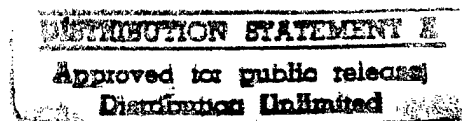


Verification and Validation of Current IWEDA Rules

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Prepared for
U.S. Army Topographic Engineering Center
Under Contract No. DACA76-93-D-0005, Delivery Order No. 0005
Final Report for Subtask 2
Contracting Officer's Representative: Ms. Joni Jarrett



The views, opinions, and/or findings contained in this report are those of the author(s) and should not be construed as official Department of the Army position, policy, or decision, unless so designated by other documentation.

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13. ABSTRACT (Maximum 200 words) This report documents STC's efforts to investigate, confirm, and validate Critical Weather Values and their impact rules resident in Integrated Weather Effects Decision Aid (IWEDA) software in development by the U. S. Army. STC reviewed 493 rules provided by the Army Research Laboratory at White Sands Missile Range from a previous STC report. Using current Army publications and Subject Matter Experts, the STC team was able to validate, adjust, or delete each rule. The results are summarized within the report and attached individually as an appendix. This report has also been presented in soft copy.			
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FOREWORD

Science and Technology Corporation (STC) is pleased to submit this final document entitled "Verification and Validation of Current IWEDA Rules" for the satisfaction of the requirements of Subtask 2 of Contract No. DACA76-93-D-0005, Delivery Order No. 0005, Statement of Work (SOW) entitled "Modernized Army Weather Support and Organization." The document was prepared by Mr. Carl H. Chesley and Mr. Vincent P. Grocki of the STC Hampton, Virginia office and is one of three documents prepared to satisfy the requirements for Subtasks 1, 2, and 3 of the contract.

1. The final document for subtask 1, "Management Organization for Army Weather Programs and Support Functions," is provided in STC Technical Report No. 3145.
2. The final document for subtask 2, "Verification and Validation of Current IWEDA Rules," is provided in STC Technical Report No. 3157.
3. The final document for subtask 3 on Templates will be provided in STC Technical Report No. 3161.

The valuable technical discussions with Ms. Joni Jarrett, U.S. Army Topographic Engineering Center, Mr. Steven Nolan, Office of the Deputy Chief of Staff, Intelligence, Futures Directorate, Analysis and Support Team, and Maj. Michael Corbett, Office In-Charge Weather Support Team U.S. Army Intelligence Center, Fort Huachuca, Arizona, are sincerely appreciated. Special thanks also goes to Mr. Lee Page, Office of the Deputy Chief of Staff, Intelligence, Policy Directorate, Battlespace Surveillance Operation Division, for his willingness to share his official library of publications and his personal memories of 13 years of Army weather support.

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LIST OF ACRONYMS

ACC	U.S. Air Force Air Combat Command
ARL-W	U.S. Army Research Laboratory, White Sands Missile Range, New Mexico
ASCII	American Standard Code for Information Interchange
BFM	Battlescale Forecast Model
CV	Critical Value
CVDB	Critical Value Data Base
DOS	Disc Operating System
EDGE	Environmental Design Guidance for Evaluation
EO	Electro-Optical
EOTDA	Electro Optical Tactical Decision Aid
ETI	Environmental Thresholds and Impacts
GPS	Global Positioning Satellite
HQ TRADOC	Headquarters, U.S. Army Training and Doctrine Command
IMETS II	Integrated Meteorological System Block II
IPB	Intelligence Preparation of the Battlefield
IWEDA	Integrated Weather Effects Decision Aid
MI	Military Intelligence
MLRS	Multiple Launch Rocket System
MOPP	Mission Oriented Protection Posture
MOS	Military Occupational Specialty
MTOE	Modified Table of Organization and Equipment
NETT	New Equipment Training Team
NGIC	National Ground Intelligence Center
OIC	Officer in Charge
ORACLE	British Aerospace Visual Performance Model
SME	Subject Matter Expert
SOW	Statement of Work
SWO	Staff Weather Officer
STC	Science and Technology Corporation
TARGAC	Target Acquisition Model

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TEC	U. S. Army Topographic Engineering Center
UAV	Unmanned Aerial Vehicle
USAIC&FH	US Army Intelligence Center and Fort Huachuca
WST	Weather Support Team

1. INTRODUCTION

The original statement of work (SOW), contained in Appendix A, provides the objective, background, tasks, deliverables, control procedures, and the government-furnished support. Appendix B contains the modification to the SOW that redefined the requirements for this AR 5-5 study. The modification identified two new requirements: the requirement for the validation of the Integrated Weather Effects Decision Aid (IWEDA) rule base and the development of a master list of templates to be hosted on Integrated Meteorological System Block II (IMETS II) for use by various customers. Appendix C contains the Science and Technology Corporation (STC) letter that requested a no cost extension of the completion date for the template requirement to 31 March 1997. The STC request was approved and incorporated into the amendment issued by the U.S. Army Topographic Engineering Center (TEC) on 19 September 1997.

1.1 TEAM COMPOSITION

The original STC Management and Technical Team was comprised of three current STC employees and one individual to be hired. Table 1-1 contains the names and position titles of the team members.

Table 1-1. Team Composition

Labor Category	Name	Support to the Contract
Program Manager	Mr. Samuel L. Eure	Part time
Project Manager/Principal Investigator	Mr. Carl H. Chesley	Full time
Investigator	Dr. Andrew R. Spillane	Part time
Investigator	Mr. Vincent P. Grocki	Part time

Shortly after the award of the original contract, Dr. Spillane resigned from STC. As a result, the hours originally programmed for him were reprogrammed to the newly hired investigator, Mr. Grocki.

1.2 OVERVIEW

This document, divided into four sections, summarizes the work completed to satisfy the requirements to validate the IWEDA rules. Section 1 is the Introduction. Section 2 contains a review of the procedures followed to validate the IWEDA rule base and a discussion of the validated rules. Section 3 provides general comments about IWEDA and specific comments on the operation and capabilities of the IWEDA software. Section 4 contains the conclusions and recommendations. Additional detail is provided by the seven appendices accompanying the text.

2. IWEDA VALIDATION ACTIVITY

A visit to the Weather Support Team (WST) at the US Army Intelligence Center, Fort Huachuca, Arizona (USAIC&FH), was conducted by Mr. Chesley and Mr. Grocki. Discussions with Maj. M. Corbett, Officer in Charge (OIC) of the WST, and MSgt W. Buttner and Mr. R. Szymber, members of the WST, confirmed that STC was tasked to validate only the rules already resident in IWEDA IMETS II.

The 493 rules currently in the version of IWEDA that resides on IMETS II come from two major sources. The majority are based on the 480 rules originally presented to the U.S. Army Research Laboratory, White Sands Missile Range, New Mexico (ARL-W), by the STC team of investigators as part of the IWEDA developmental work performed under contract to ARL-W. Various technical reports, listed in Appendix D, were prepared that included a description of the original IWEDA software and database. The remainder of the rules were developed by ARL-W when they modified or deleted some of the original 480 rules and added approximately 20 unclassified rules covering threat systems.

The rules obtained from ARL-W, as they are used in IWEDA IMETS II, were contained in five separate tables that provided various elements of each rule. In the original database, all elements of a rule were contained in a single record. However, a change in the system architecture of IWEDA necessitated a database format change. Because of this format change, STC had to recombine the data contained in the five tables into individual tables for the system, subsystem, and component rules. With the subject rules identified, the next step was to decide on an order of priority for validation. Since the rules are used in IWEDA without special regard for "operations" or "missions," it was decided to simply validate all 493 rules as quickly as possible.

Also during the initial visit to Fort Huachuca, the STC team was given the opportunity to work with the actual IWEDA IMETS Block II software. This brief familiarization has made rule validation more comfortable and has led to some comments and recommendations covered later in the report.

2.1 VALIDATION APPROACH

The primary validation approach was to identify those Army or Air Force publications that furnished specific critical values (CV) for an item that applied to all users of the item. The proximity of STC's Corporate office in Hampton, Virginia, to the Air Combat Command (ACC) Headquarters at Langley Air Force Base, as well as Headquarters, Training and Doctrine Command (HQ TRADOC) at Fort Monroe,

and the U.S. Army Aviation and Transportation School at Fort Eustis, Virginia, facilitated much of the validation process. In addition, all three locations served as sources for subject matter experts (SME) and their personal libraries in various areas. Appendix E provides a list of the locations and personnel contacted during the validation process.

During the initial visit to the WST, the search for original source documentation for friendly and threat rules began. STC investigators reviewed a report containing a Critical Value Data Base (CVDB) prepared for USAIC by a local Arizona small business.¹ This database contained very little, if any, usable data and had absolutely no value to this effort. Visits were also made to local Fort Huachuca training, test and evaluation, and tactical units, and to an on-post library to gather reference data. Although a few publications were obtained, these visits met with little success except in the unmanned aerial vehicle (UAV) area.

Working with Air Force pilots assigned to the HQ ACC Conventional Operations and Training Division, the STC team was able to identify reference documents for current Air Force systems and identify those systems included in IWEDA that were no longer in the Air Force inventory (e.g., the F4-G and F-111 fighter/bombers that have been retired). Because many of the Air Force documents only had limited specific CV information, SMEs were used to augment and add specificity to the data. Maj. R. Goodwyn, C. Fisher, and M. Decesari of the Weapons and Tactics Branch provided these data. They also agreed that most weather impacts to navigation have been completely overcome by major increases in technology. The Global Positioning Satellite (GPS) system, along with an improved Inertial Navigation System, has negated most of the effects of winds, clouds, hydrometeors, and lithometeors. Additionally, the multiplicity of weapons, delivery tactics, and target acquisition methods have further reduced, if not eliminated, most of the weather impacts on the close air support role of the U.S. Air Force.

At Fort Eustis, the Aviation Applied Technology Directorate of the Aviation Support Facility, as well as the CH-47 Support Facility, provided valuable assistance to the validation of rules applicable to Army aircraft and to the identification of noncurrent Army systems (e.g., OV-1). Using the Fort Eustis Aviation and Transportation School library, the Fort Eustis Military Occupational Specialty (MOS) library, and publications from the Fort Monroe library, the STC technical team was able to validate,

¹ COBACO, Inc., Sierra Vista, Arizona.

update, or eliminate rules dealing with wheeled vehicles, mission oriented protection posture (MOPP) operations, soldier effectiveness, and some miscellaneous radar components.

Because the local military library facilities are not all inclusive, the STC team visited Fort Bragg, North Carolina, to further the research effort. Personnel and organizations contacted are listed in Appendix E.

Dr. Richard Shirkey, ARL-W, performed the actual evaluation of the electro-optical (EO) related rules using the target acquisition model (TARGAC) code, the Air Force Electro Optical Tactical Decision Aid (EOTDA), and the British Aerospace Visual Performance Model ORACLE. His analysis of the results was responsible for the verification and validation of approximately 10% of the rules.

2.2 RULE VALIDATION

The actual validation procedure was relatively straightforward. Having arranged the available database of rules as individual reports, they were then organized in categories by system, subsystem, and component. A literature search was conducted to identify documented official Army (or Air Force) statements concerning the effects of significant environmental conditions on Army/Air Force equipment and people. The team relied on DA Pamphlet 25-30, Consolidated Index of Army Publications and Blank Forms, 1 October 1997, to confirm the currency of documents and items. (If no reference document could be found in the current DA Pam 25-30 it alerted the team members to the fact that the item might no longer be in the inventory.) The search included, but was not limited to regulations, field manuals, technical manuals, technical bulletins, soldier pamphlets, technical orders (Air Force), and joint publications. Some SME interviews were conducted, but in each case the main thrust of the conversation was to identify publications where the Army/Air Force had officially identified a CV or an environmental impact on a system. Only as a last resort were SME statements used as documentation for CVs or weather effects impact statements.

All elements of each rule were reviewed and evaluated. In some cases the various elements of the CV had to be changed (e.g., weather parameter or operator), or the impact statement wording needed to be corrected. In a number of cases the "red color" condition was considered too restrictive and was downgraded to "amber." For example, a high-density altitude ostensibly made a particular helicopter platform unusable. However, if the payload, fuel load, route, or timing could be adjusted, the situation would only become amber. In other cases, operating a vehicle in extremely cold temperatures was categorized as not feasible, a red condition. But if a winterization kit was installed, the situation could be considered an amber condition. In such situations, where logical alternative actions are available to

promote mission accomplishment, the impact of the CV was changed to amber to indicate a potential problem as opposed to a mission halting red issue. Lastly, each new source was documented including the date of publication. Where an official "change" to the original publication had been produced, the date of the change was used as the date of publication.

The final element of each rule that was reviewed was the condensed impact. When IWEDA was originally designed the condensed impact was developed to give the user a quick, but accurate, indication of what was causing either a red or amber impact. The condensed impacts were designed and delivered² to give the user a prioritized list of condensed impacts, with each condensed impact satisfying a specific CV or range of values. However, based on discussions with Mr. Dave Sauter, ARL-W, and on feedback he received from various field tests of IWEDA, the definitions of several condensed impacts were changed. The revised list of condensed impacts, listed in priority order of severity or importance, is included in Appendix F.

2.3 COORDINATION WITH THE WEATHER SUPPORT TEAM

To avoid duplication of effort between the STC team and the WST, STC made a concerted effort to coordinate its actions with and share its work with the WST. As a consequence of the efforts to validate existing IWEDA rules two other computerized weather effects databases were identified, one of which may have some future utilization for the WST.

2.3.1 Environmental Thresholds and Impacts Database

The Environmental Thresholds and Impacts (ETI) database, containing more than 4100 rules, was obtained from Dr. Paul Krause of the U.S. Army's Topographic Engineering Center (TEC). STC received the data as a series of separate American Standard Code for Information Interchange (ASCII) tables that needed to be linked together and imported into a single relational database before the data could be easily and usefully read. Also, almost no documentation was available to help understand or use these various data tables. The Microsoft Access database software was selected to host these data because of Access' widespread use in the Army. The STC team performed the necessary importing and linking of the tables and after some effort was able to decipher and arrange the data in a logical and manageable form.

² Chesley, C. H., A. R. Spillane, W. G. Maunz, and T. J. Dube, 1994: *Integrated Weather Effects Decision Aid (IWEDA), Version 1.10a Final Status Report*. STC TR 2885, Appendix F, Science and Technology Corp., Hampton, Virginia.

The ETI database was originally developed by STC under contract to TEC in support of the development of TEC's Environmental Design Guidance for Evaluation (EDGE) program to alert materiel developers to environmental impacts when developing new items. The rule base was modified by TEC, and approximately one-half of these rules do not have specific values as CVs but use more general terms instead (e.g., slippery soil when wet, tropic environment, high humidity). A limited review and evaluation of the remaining rules found that the current ETI database does not appear to be sufficiently robust to aid the immediate effort to validate current IWEDA rules. However, the data may serve as a basis for CVs and/or rules included in the large Army-wide database being developed by the WST. Therefore, the entire ETI database was forwarded to USAIC&FH WST. Once the Army-wide expanded database is complete, individual Army centers and schools will review and validate those specific rules that deal with items for which they are responsible.

2.3.2 USAIC Critical Value Database

The second database consisted of the previously mentioned CVDB maintained by the WST at USAIC&FH. The contractor purportedly delivered an automated database; however, the WST has never been able to get it to work. After reviewing some of the paper copy printouts from the CVDB it was determined that most of the CVs were missing or so vague as to be useless, and no usable impact statements were available. This database should probably be discarded.

2.3.3 Draft Copy of Validated Rules

Because of the ongoing work being done by the WST to build the expanded IWEDA rule base, STC furnished the WST and the ARL-W a copy of the validated rule base after about 60 percent of the rules had been validated. This included tables of all of the rules and data collected up to that point and a report that the WST could printout to view the data in an easy-to-read format. The intent was to ensure that STC's efforts were consistent with the SOW and satisfied the customer's requirements. STC requested and received a series of comments, mostly by e-mail, concerning changes, corrections, additions, and concurrences on the database from both organizations.

2.4 RESULTS

Of the 493 rules reviewed, 259 were at the system level, 137 at the subsystem level, and 97 at the component level. All 493 rules were evaluated and all were changed in some manner, if only to increase the information included in the "source" field of the rule or to recommend deletion. The final validation

of 10 EO sensor rules was not completed before publication of this report. Final research results from ARL-W will be used to verify these rules. These 10 rules are identified by a "V" in the "Any Change to Record?" field in the component rule database. Each of the rules is individually presented in Appendix G as a separate record. Each record includes most of the original fields contained in the tables provided by the ARL-W and are all of the fields that the STC team was tasked to review and validate by the SOW.

2.4.1 Deleted Rules

The lists of the rules recommended for deletion for Systems, Subsystems, and Components are contained in Tables 2-1, 2-2, and 2-3. A specific reason is included for each rule listed.

Table 2-1. List of System Rules Recommended for Deletion

ID No.	System Name	Rule 1	Rule 2	Reason for Delition
25	A-10	59		Delete Rule: Interview, MAJ Goodwyn A10 Pilot ACC/DOTW Weapons and Tactics Branch, 13 Aug 1997. Replaced by Rule ID# 26
27	A-10	63		Delete Rule: Not Applicable. Interview, MAJ Goodwyn A10 Pilot ACC/DOTW Weapons and Tactics Branch, 13 Aug 1997.
28	A-10	67		Delete Rule: Not Applicable. Interview, MAJ Goodwyn A10 Pilot ACC/DOTW Weapons and Tactics Branch, 13 Aug 1997.
30	A-10	101	101	Delete Rule: Not Significant. Interview, MAJ Goodwyn A10 Pilot ACC/DOTW Weapons and Tactics Branch, 13 Aug 1997.
40	AH-1F	67		Delete Rule: Not significant, replaced by rule ID# 39
41	AH-1F	75		Delete Rule, Redundant rule, See ID# 39
47	AH-1F	86		Delete Rule: This is too restrictive. Pilot has options. Delete as a red condition. It is included in yellow condition (> 5000 ft).
48	AH-1S	7		Delete Rule: No longer in inventory.
49	AH-1S	24		Delete Rule: No longer in inventory.
50	AH-1S	32		Delete Rule: No longer in inventory.
51	AH-1S	33		Delete Rule: No longer in inventory.
52	AH-1S	56		Delete Rule: No longer in inventory.
53	AH-1S	60		Delete Rule: No longer in inventory.
54	AH-1S	61		Delete Rule: No longer in inventory.
55	AH-1S	62		Delete Rule: No longer in inventory.
56	AH-1S	63		Delete Rule: No longer in inventory.
57	AH-1S	67		Delete Rule: No longer in inventory.
58	AH-1S	75		Delete Rule: No longer in inventory.
59	AH-1S	77		Delete Rule: No longer in inventory.
60	AH-1S	79		Delete Rule: No longer in inventory.
61	AH-1S	80		Delete Rule: No longer in inventory.
62	AH-1S	85		Delete Rule: No longer in inventory.
63	AH-1S	86		Delete Rule: No longer in inventory.
77	AH-64	83		Delete Rule: Not significant.
79	AH-64	86		Delete Rule: This is too restrictive. Pilot has options. Delete as a red condition. It is included in yellow condition (> 5000 ft).
84	C-12	68		Delete Rule: No longer in TM. Included in rule ID# 83
86	C-12	79		Delete Rule: Included in Rule ID# 87

ID No.	System Name	Rule 1	Rule 2	Reason for Delition
99	CH-47D	87		Delete Rule: This is too restrictive. Pilot has options. Delete as a red condition. It is included in yellow condition (> 5000 ft).
104	CHAPARREL	57		Delete Rule: FM 34-81-1, Appendix B-6, Dec 1992, refers only moderate freezing rain and a moderate degradation. Covered by ID# S103
113	EH-60A	68		Delete Rule: Replaced by newer reference. See rule ID# 113
119	EH-60A	86		Delect Rule: This is too restrictive as a red condition; pilot has options. This is included in > 5000 ft. as an amber condition.
120	EH-60A	87		Delete Rule: Too restrictive, pilot has options. Warning included in rule ID# 121
123	F-111G	32		Delete Rule: No longer in inventory
124	F-111G	56		Delete Rule: No longer in inventory
125	F-15E	52		Delete Rule: Not significant. Interview with MAJ Decesari, Pilot ACC/DOTW Weapons and Tactics Branch, Aug 1997
127	F-15E	63		Delete Rule: Not significant. Interview with MAJ Decesari, Pilot ACC/DOTW Weapons and Tactics Branch, Aug 1997
128	F-15E	71		Delete Rule: Not significant. Interview with MAJ Decesari, Pilot ACC/DOTW Weapons and Tactics Branch, Aug 1997
129	F-15E	98	98	Delete Rule: Not significant. Interview with MAJ Decesari, Pilot ACC/DOTW Weapons and Tactics Branch, Aug 1997
138	F-16	63		Delete Rule: Not significant. Interview with MAJ Fisher, Pilot ACC/DOTW Weapons and Tactics Branch, Aug 1997
139	F-16	67		Delete Rule: Not significant. Interview with MAJ Fisher, Pilot ACC/DOTW Weapons and Tactics Branch, Aug 1997
142	F-4G	32		Delete Rule: No longer in inventory
143	F-4G	56		Delete Rule: No longer in inventory
148	M109 SP HOWITZER	21		Delete Rule: TM 9-1025-211-10, Jan 1991, Operator's Manual for 155mm Howitzer (M109) says nothing about artillery tube temperature. Para 2-31 says to "oil frequently in hot climates".
153	MLQ-34	25		Delete Rule: Absolutely no reference in FM 34-81-1, Dec 1992. No other sources found.
154	MLQ-34	26		Delete Rule: Absolutely no reference in FM 34-81-1, Dec 1992. No other sources found.
155	OH-58C	24		Delete Rule: Not significant. Based on comments in TM 55-1520-228-10, Para 8-36, Jun 1996
162	OH-58C	75		Delect Rule: No longer significant
164	OH-58C	77		Delete Rule: Not necessary. See rule ID# 163
168	OH-58C	86		Delete Rule: This is too restrictive as a red condition, Pilot has options. It is included in > 5000 ft as an amber condition.
169	OH-58D	24		Delete Rule: Based on comment in TM 55-1520-248-10, Para 8-36, May 1997
172	OH-58D	68		Delete Rule: Duplicate of ID# 171
175	OH-58D	77		Delete Rule: Not necessary. Covered in Sys ID# 174
179	OH-58D	86		Delete Rule: This is too restrictive as a red condition, pilot has options. It is included in > 5000 ft as an amber condition.
180	OV-1	28		Delete Rule: No longer in inventory
181	OV-1	29		Delete Rule: No longer in inventory
182	OV-1	32		Delete Rule: No longer in inventory
183	OV-1	56		Delete Rule: No longer in inventory
184	OV-1	77		Delete Rule: No longer in inventory
185	OV-1	78		Delete Rule: No longer in inventory
186	OV-1	79		Delete Rule: No longer in inventory
187	OV-1	80		Delete Rule: No longer in inventory
192	PPS-5B	64		Delete Rule: TM11-5840-298-12, Jun 1967, Operator's Manual makes no mention of this wind impact in unusual conditions.

ID No.	System Name	Rule 1	Rule 2	Reason for Delition
193	PPS-5B	65		Delete Rule: TM11-5840-298-12, Jun 1967, Operator's Manual makes no mention of this wind impact in unusual conditions.
199	RC-12	68		Delete Rule: No mention in TM 55-1510-218-10, Feb 1994
201	RC-12	79		Delete Rule: Not significant. See Rule ID# 202
205	TPQ-36	70		Delete Rule: Covered by ID# 204
210	TPQ-37	141	141	Delete Rule: TM11-5840-355-10-1, Jul 1981, Operator's Manual makes no mention of this impact in unusual conditions
211	TPQ-37	142	142	Delete Rule: TM11-5840-355-10-1, Jul 1981, Operator's Manual makes no mention of this impact in unusual conditions
212	TRQ-32V	21		Delete Rule: No reference or record of system in DA PAM 25-30 ,Army Index of Publications and Forms, 1 Oct 1997
213	TRQ-32V	24		Delete Rule: No reference or record of system in DA PAM 25-30, Army Index of Publications and Forms, 1 Oct 1997
214	TRQ-32V	90		Delete Rule: No reference or record of system in DA PAM 25-30, Army Index of Publications and Forms, 1 Oct 1997
218	TSQ-138	26		Delete Rule: Combined in Rule ID# 217
222	UAV	35		Delete Rule: Old rule for pointer UAV
223	UAV	52		Delete Rule: Delete and replace with link to component rules for TV/Direct view sight and thermal sight since there are subsystems on UAV.
224	UAV	53		Delete Rule: Delete and replace with link to component rules for TV/Direct view sight and thermal sight since there are subsystems on UAV.
226	UAV	59		Delete Rule: Delete and replace with link to component rules for TV/Direct view sight and thermal sight since there are subsystems on UAV.
227	UAV	60		Delete Rule: Delete and replace with link to component rules for TV/Direct view sight and thermal sight since there are subsystems on UAV.
228	UAV	64		Delete Rule: Redundant. See rule ID# 231
230	UAV	67		Delete Rule: This applies to "Printer" UVA not "Hunter"
235	UAV	93	93	Delete Rule: Replace by rule ID# 234
240	UH-1	67		Delete Rule: redundant with rule ID# 239
247	UH-1	86		Delete Rule: This is too restrictive as a red condition, pilot has options. It is included in > 5000 ft as an amber condition.
253	UH-60	68		Delete Rule: Redundant. See Rule ID# 252.
259	UH-60	86		Delete Rule: This is too restrictive as a red condition, pilot has options. It is included as an amber condition in > 5000 ft.

Table 2-2. List of Subsystem Rules Recommended for Deletion

ID No.	Subsystem Name	Rule 1	Rule 2	Reason for Deletion
7	120MM GUN	44		Delete Rule: No reference in FM 34-81-1, Dec 1992. Distance included in ID# 6 as an amber.
13	30MM MACHINE GUN	74		Delete Rule: Personal interview with SME, 14 Nov 1997, CW4 Ronald C. Moring, Regiment Master Gunner, 229 Attack Helicopter Regiment, Ft. Bragg, NC.
25	FIRING SYSTEM	19		Delete Rule: No longer valid. USAFAS POC SFC Saeda, 3 Dec 1997
26	GENERATOR	1		Delete Rule: Not ncesessary since amber value is now 8000 meters
41	HEMTT TRUCK	54		Delete Rule: Too restrictive, included in Rule ID# 40 as an Amber condition.
42	HEMTT TRUCK	58		Delete Rule: Too restrictive, included in Rule ID# 43 as an Amber condition
45	HET TRUCK TRACTOR	54		Delete Rule: Too Restrictive. Included in Rule ID# 44 as an Amber condition
46	HET TRUCK TRACTOR	58		Delete Rule: Too restrictive. Included in Rule ID# 47 as an Amber condition

ID No.	Subsystem Name	Rule 1	Rule 2	Reason for Deletion
56	MAVERICK	35		Delete Rule: No reference in T.O.1-1M-34 for this condition. Pilots say it is a matter of searching out an alternative solution.
67	OH-58 ENGINE	68		Delete Rule: Incorporated in OH-58C System Rule ID# 161.
68	PERSONNEL MOVEMENT	28		Delete Rule: Too restrictive. FM 90-22 talks only of deep snow. See Rule ID# 69
71	PERSONNEL MOVEMENT	55		Delete Rule: Too restrictive. FM 90-22 does not specifically mention freezing rain. See Rule ID# 72.
74	PERSONNEL MOVEMENT	59		Delete Rule: FM 90-22, Jan 1991 and TBM 81, Sep 1976 speak only of deep snow. See Rule ID# 73
77	PPS-5B BATTERY	8		Delete Rule: No mention of this temperature sensitivity in TM 11-5840-298-12, Para 3-28, Jun 1986
88	STINGER-GRND	97	97	Delete Rule: Personal interviews with SME, 19 Nov 1997. CWR James D. Morgan, Master Gunner, 82 Aviation Brigade, Ft Bragg, NC. This is a "see and strike" weapon. Cloud bases and cover not significant.
89	STINGER-GRND	102	102	Delete Rule: Personal interviews with SME, 19 Nov 1997. CWR James D. Morgan, Master Gunner, 82 Aviation Brigade, Ft Bragg, NC. This is a "see and strike" weapon. Cloud bases and cover not significant.
95	TOW-AIR	60		Delete Rule: TM 9-1425-472-12, Para 2-88, Nov 1990; Unusual conditions makes no mention of this impact.
101	TOW-GRND	59		Delete Rule: TM 9-1425-472-12, Para 2-88, Nov 1990; Unusual conditions makes no mention of this impact.
103	TOW2-AIR	60		Delete Rule: TM 9-1425-472-12, Para 2-88, Nov 1990; Unusual conditions makes no mention of this impact.
109	TOW2-GRND	59		Delete Rule: TM 9-1425-472-12, Para 2-88, Nov 1990; Unusual conditions makes no mention of this impact.
113	TRACKED PLATFORM	41		Delete Rule: Personal interview with CSM Donald Schwab HHC1-52 Armored Battalion, North Carolina Army National Guard, Ft. Bragg, NC. 12 Nov 1997. Not significant.
117	TRQ-32V	89		Delete Rule: No reference or record of system in DAPAM 25-30, Army Index of Publications and Forms, Oct 1997.
118	TRQ-32V ANTENNA	32		Delete Rule: No reference or record of system in DAPAM 25-30, Army Index of Publications and Forms, Oct 1997.
119	TRQ-32V ANTENNA	64		Delete Rule: No reference or record of system in DAPAM 25-30, Army Index of Publications and Forms, Oct 1997.
120	TRQ-32V ANTENNA	66		Delete Rule: No reference or record of system in DAPAM 25-30, Army Index of Publications and Forms, Oct 1997.
125	UH-60 ENGINE	63		Delete Rule: Replaced by Ssystem Rule ID# 252
126	UH-60 ENGINE	68		Delete Rule: Not necessary, covered in rule SYS ID# 252
129	VRC-46	19		Delete Rule: TM 11-5820-401-10-2, Aug 1995. Operator's Manual makes no mention of hot temperatures anywhere.

Table 2-3. List of Component Rules Recommended for Deletion

ID No.	Component Name	Rule 1	Rule 2	Reason for Deletion
1	30 MM MACHINE GUN	46		Delete Rule: Redundant with Subsystem Rule #ID 12
2	AN/MPQ-53 (PATRIOT RADAR ANT)	55		Delete Rule: TM9-1430-601-10-1, Operator's Manual makes no mention of any impact from freezing rain, May 1997
3	AN/MPQ-53 (PATRIOT RADAR ANT)	57		Delete Rule: TM9-1430-601-10-1, Operator's Manual makes no mention of any impact from freezing rain, May 1997

ID No.	Component Name	Rule 1	Rule 2	Reason for Deletion
4	AN/MPQ-53 (PATRIOT RADAR ANT)	58		Delete Rule: TM9-1430-601-10-1, Operator's Manual makes no mention of any impact from snow, May 1997
5	AN/MPQ-53 (PATRIOT RADAR ANT)	59		Delete Rule: TM9-1430-601-10-1, Operator's Manual makes no mention of any impact from snow, May 1997
14	COPPERHEAD	107	107	Delete Rule: Redundant with rules ID# 12 and 13.
37	NIGHT VISION SIGHT	21		Delete Rule: Could not validate and may be too system specific for general class of all night vision sight.
40	OA-9054 ANTENNA	69		Delete Rule: Could not find any reference material.
41	OA-9054 ANTENNA	71		Delete Rule: Could not find any reference material.
68	TOW-COMMON	9		Delete Rule: Redundant with Rule ID# 67 and reference to - 10 F not found.
74	TOW2-COMMON	9		Delete Rule: Redundant with Rule ID# 73 and no reference found to - 20 F.

2.4.2 Summary Comments on Changes

A summary of the number and types of changes is contained in Table 2-4.

Table 2-4. Summary of Changes

	No. of Rules	No. of Color Changes	No. of Impact Changes	No. of CV Changes	No. Deleted
Systems	259	46	117	115	84
Subsystems	137	12	51	57	28
Components	97	3	27	30	11

2.4.3 New Critical Value Data

No new CV data were added to the existing IWEDA rule base because of potential confusion with the existing numbering system. However, several potential rules and CVs were identified and are included in Table 2-5.

Table 2-5. Potential New Critical Values and Rules

Item Name	New Critical Value			New Color	New Impact Statement	New Source
	Parameter	Operator	Value			
2.75" Rocket	Gust Spread	>=	10 kt	Amber	Wind gust spread >= 10 kt degrades target impact effectiveness.	Personal interview with SME, 14 Nov 97, CW4 R. Moring, Master Gunner, 229 Attack Helicopter Reg., Fort Bragg, NC.
Maverick	Temperature	<	-45 °F	Amber	Maverick motors should not be operated in temperatures <-45 °F	AFT01-1M-34, May 91, Para 1-102.41
Maverick	Temperature	>=	131 °F	Amber	Maverick motors should not be operated in temperatures >131 °F.	AFT01-1M-34, May 91, Para 1-102.41
Tow Gnd	Temperature	>	140 °F	Amber	Tow missile will not operate properly at temperature >140 °F.	TM9-1425-472-12, Jan 80, Para 2-76

3. IWEDA COMMENTS

Two types of comments are included in this section. First are comments on the general design, operation, and content of the entire IWEDA system. The second series of comments deals specifically with the software aspects of IWEDA.

3.1 GENERAL IWEDA COMMENTS

Some of the comments and questions raised in this paragraph have proposed solutions or answers. Other issues require detailed analysis and evaluation, which is beyond the scope of this report. However, they are identified because of their importance to the overall IWEDA effort.

3.1.1 Threat Critical Values

There are some CVs for threat systems. However, the number and types of systems and operations are limited.

The CV database and the rule sets that have been developed for threat systems need to be expanded to include a broader range of systems and operations. In addition to the normal threat systems, which are usually considered systems from the old Soviet Block countries, information on systems available from U.S. allies or through arms dealers from any source should be included since it might be used by forces opposing the United States in small regional conflicts. Contact should be reinitiated with the National Ground Intelligence Center (NGIC) and other national-level intelligence agencies to establish the need for this information and to establish a priority for the completion of this effort. Security issues must be addressed here and as the Army-wide CVDB expands.

3.1.2 Rule Editor

One of the initial comments from users of IWEDA was a request for a rule editor allowing the local user to change the preset CVs. The ARL-W has developed a working version of a rule editor to temporarily (locally) modify the default values in IWEDA. This rule editor will allow the staff weather officer (SWO) to change the CVs for systems and/or operations to meet local requirements.

The inclusion of a "local rule editor" in some versions of IWEDA will create the potential for serious misunderstandings about the impact of weather on systems and operations among various levels of command and/or units unless an official Army position on how to use the rule editor capability is clearly articulated. The need for, implications of, and doctrinal approval of an IWEDA rule editor must be

resolved through coordination among such organizations as USAIC&FH WST, DAMI-POB, and ARL-W.

3.1.3 IWEDA Concept of Operations

The current version of FM 34-81, Weather Support for Army Tactical Operations, dated August 1989, does not include any official doctrine or procedures for, or even any mention of, IWEDA. Also, no official or unofficial doctrine on IWEDA's use for Army weather support is known Army-wide. However, some documentation and training are furnished by the New Equipment Training Team (NETT) for IMETS II on the operation of IWEDA.

At least two versions of IWEDA exist that can be used by weather personnel and Army weather support customers. The Unix-based version operating on the IMETS II will only have a very limited distribution because only 12-14 IMETS II will be fielded. The Disc Operating System- (DOS) based version of IWEDA is operable on most laptop computers. Every weather team at any level can use this version. In addition, copies of this version are provided to officers attending the Military Intelligence Officers Advanced Course at Fort Huachuca. It is estimated that approximately 800 copies of IWEDA will be distributed annually to U.S. Army officers who will be S-2s at tactical units throughout the Army.

A formal document should be published that contains guidance, doctrine, and/or procedures for the operation of both versions of IWEDA. This document should be in addition to the currently available IWEDA User's Guide and any NETT training or documentation. This document should also include information concerning when and how to use the IWEDA rule editor as mentioned in Subsection 3.1.2.

3.1.4 Multiple Versions of IWEDA

As discussed in Subsection 3.1.3, multiple versions of IWEDA, both DOS- and Unix-based, exist in the field. The capabilities and CV rule bases of each system are different. The differences in capabilities of each version, for example, manual versus automated weather input and fixed rules versus the availability of an editing function, present some source of potential confusion. However, each version will also have a different CV rule base. Current plans do not include updating the CV rule base for the DOS-based version of IWEDA. As previously mentioned, more and more copies of the DOS-based version will be available and used in the field. The potential problems and conflicts that can rise between the two IWEDA versions are obvious and should not be allowed to occur.

All versions of IWEDA, DOS-based, or Unix-based, should have similar capabilities. At a minimum they all *must* have the same CV rule bases.

3.1.5 Turbulence/Icing Levels

When the Unix version of IWEDA shows either a red or amber impact for icing or turbulence it does not tell the user the altitude of the phenomena. The flight level of the aircraft is not considered. In this situation, high-level turbulence or icing could falsely negate an Army aircraft mission operating at a much lower level. Therefore, whenever a turbulence or icing rule is fired it must include the base and top of the turbulence or icing layer.

3.2 SPECIFIC IWEDA SOFTWARE COMMENTS

No changes were made to the construction, documentation, management, and maintenance of the actual IWEDA software. The following paragraphs sketch out additional capabilities and architectural considerations that must be eventually considered as IWEDA grows.

3.2.1 IWEDA "Zoom" Capability

The original intent of IWEDA was to tell the commander clearly where, when, and why weather would impact an area of interest or a specific operational area. When viewing the geographical representations of locations where weather impacts will occur, the commander can immediately see if the red or the amber impact occurs in a specific area of operation. However, when viewing the "when" or "why" representations in a matrix display, it is not immediately clear whether the red or amber warning applies to the specific operational area or to the larger area of interest.

A zoom capability for IWEDA should be developed that allows the user to identify a specific area of operation and then receive graphical displays, both geographic and matrix formats, which display only the weather occurring within the specified area in place of the entire Battlescale Forecast Model (BFM) window.

3.2.2 IWEDA "What-If" Capability

A "what-if" module should be made available on all versions of IWEDA. The what-if module will highlight the tradeoffs among systems, subsystems, and components with respect to the forecast weather and its impending effects.

The module would allow the SWO user to alter incrementally the weather database used in IWEDA and immediately see the repercussions with respect to weather effects. This capability is of obvious merit in training the SWO to understand the impact of the forecast upon the user and is also an

invaluable tool when weather conditions are in a state of flux and the SWO desires to ascertain quickly the effects of rapidly changing meteorological conditions.

The non-SWO user, while not having access to manipulating the weather data, is able to view the results of altering the mission and/or system configurations efficiently. The what-if module will, for example, allow the user to compare and contrast the effect of substituting one type of helicopter for another, or selecting different missiles or armament.

3.2.3 War/Peace Switch

Many of the rules contained within IWEDA are based on limits imposed by peacetime constraints (e.g., safety of flight regulations). These limits may be significantly higher than the actual operational limits of the system. In a war scenario many of these peacetime constraints may be waived.

A capability should be included in IWEDA that would allow the commander to toggle between the two sets of values and observe the effect of the weather on less stringent wartime criteria.

3.2.4 IWEDA System Architecture

The overall IWEDA system architecture needs to be reviewed and evaluated for several reasons. How does it fit into the Army software world? Is the IWEDA system big enough to contain the 5000 rules or must the system be redesigned? As more threat systems CV rules are developed, security becomes an increasingly significant issue that must be addressed early and comprehensively.

As the CV database is increased in size the systems engineering design for IWEDA should be reevaluated. There may be faster, more efficient ways to design and operate the internal inference engine in IWEDA, especially if the current barebones IWEDA is enhanced to become a more user-friendly system with more capabilities and the CV rule base is expanded to several thousand rules. Laptop compatibility must be a consideration for the Unix version.

As the size of the CV rule base increases, it will be necessary to design and implement procedures (capabilities) in IWEDA that will allow users to limit IWEDA easily to specific systems that are of interest to them, for example, only systems in their own Modified Table of Organization and Equipment (MTOE).

3.2.5 Climatology Training Packages for Use with IWEDA

As the use of IWEDA becomes more widespread (e.g., Military Intelligence officers incorporating IWEDA into their Intelligence Preparation of the Battlefield [IPB] products), the need for readily available, easy to use geographically and meteorologically varied weather data will increase.

A series of climatologically-based databases should be developed for use on IWEDA, in addition to using data produced by the BFM. The IWEDA system could be modified so that any user can easily input the climatology data for planning, training, or for a local exercise. This system modification will be more realistic than using "canned weather" for these activities. Dr. Paul Krause of the U.S. Army Topographic Engineering Center has developed a "Typical Day Generator" that might be adapted to assist in the quick preparation of the climatology packages for various locations at different times of the year.

4. CONCLUSIONS AND RECOMMENDATIONS

IWEDA, and its associated rule base, has become an accepted operational weather support decision aid. Its continued acceptance and utility will depend to a great extent on the quality and quantity of its knowledge base and its compatibility with host systems, ease of use, and the technical capabilities of its software. The conclusions and recommendations in this section summarize the results of the validation efforts and suggestions aimed at ensuring that IWEDA continues as a respected and accepted weather support asset.

4.1 CONCLUSIONS

The results of this effort, to validate the rules currently found in IWEDA II, highlight two major conclusions. First, rules quickly become outdated as systems change. Second, data collection is a long, resource intensive process involving both library research and personal interviews.

The Army-wide CV database being prepared by the WST must be viewed as a continuing, ongoing program. The current effort cannot be completed and then placed on the shelf, forgotten, and not maintained. Systems are upgraded and replaced resulting in a constantly changing set of CVs. Technology is improved making weather forecasting and observing more accurate and sensitive to the scale of products required on the battlefield. A system must be established that maintains this newly developed Army-wide database to ensure that IWEDA, and all other users, always have current and accurate CV data.

The magnitude of the effort required to establish an Army-wide CV database cannot be underestimated. The lack of a system to identify CV data during system development results in a loss of critical information for the warfighter and a significant workload for the CV database builder. No central library exists where all applicable Army publications (e.g., technical manuals and field manuals) can be obtained for easy careful review. All libraries do not always maintain the current version of every reference document they have on their shelves. Multiple Army centers, schools, tactical units, and other institutions must be visited to obtain and review the documents and interview the SMEs who can provide the expertise required to make the CV database a creditable program. The Army must be willing to dedicate the resources to build and maintain a creditable IWEDA CV database.

4.2 RECOMMENDATIONS

The following recommendations are listed in priority order of importance. They were described in the preceding sections. Each topic contains a brief summary and the paragraph number where more detailed information is presented.

1. **Multiple Versions of IWEDA (3.1).** Ensure that all system capabilities and CV rule bases are similar and consistent regardless of the platform on which they operate.
2. **IWEDA Concept of Operations (3.1).** Develop and distribute a concept for the integrated operational use of the Unix- and DOS-based versions of IWEDA.
3. **IWEDA System Architecture (3.2).** Ensure that as IWEDA capabilities are expanded that the design and architecture of IWEDA are compatible with the Army's C4I design and architecture.
4. **Critical Value Collection (4.1).** Dedicate resources to the collection of Army-wide CV data to result in a creditable initial product.
5. **Rule Editor (3.1).** Develop and distribute a policy on the use and operation of the IWEDA rule editor to eliminate the potential for conflicts during its use.
6. **Maintaining Critical Values (4.1).** Establish a system that routinely identifies, collects, validates, and maintains all CV data.
7. **What-If Capability (3.2).** Develop the capability to evaluate tradeoffs between different systems and marginally different weather forecasts.
8. **Threat Critical Values (3.1).** Expand the threat portion of the rule base to include not only systems from the old Soviet Block but also systems sold by U.S. allies or third world countries.
9. **Turbulence/Icing Levels (3.1).** Include in the rules bases and tops of turbulence/icing layers for comparison to flight level of Army aircraft.
10. **Climatology Training Packages for use with IWEDA (3.2).** Develop a series of climatologically-based weather data modules for use in IWEDA for training, planning, and local exercises.
11. **War/Peace Switch (3.2).** Develop the capability to toggle between potentially more stringent peacetime constraints and potentially more relaxed wartime restrictions.
12. **IWEDA Zoom Capability (3.2).** Develop the capability to limit weather impacts displayed to the weather contained in a specific area of operation.

APPENDIX A. ORIGINAL STATEMENT OF WORK

8 November 1996

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STATEMENT OF WORK
Modernized Army Weather Support and Organization

1. OBJECTIVE. Evaluate and recommend architectures in two areas:
 - a. Required management structure linking interacting major Army commands (MACOM), agency staffs, and research and development (R&D) agencies.
 - b. Best method to develop and employ technical capability to display weather information to the warfighter.
2. BACKGROUND.
 - a. Mission. The recommended management structure upon implementation will manage over \$40 million per year in Army operational support funding and in research and development (R&D) and deliver critical weather effects information to the warfighter. HQDA ODCSINT reported in the FY97 Federal Plan for Meteorological Services and Supporting Research for the use of Congress and the Executive Branch the Army would spend \$23.7M for operational support and \$19.6M in R&D.
 - (1) There is no single management structure overseeing the operational expenditure or directly linking warfighter weather requirements to weather R&D programs. All programs are well intended in their own right, but not focused on high payoff areas responsive to warfighter needs. Better management can combine parallel acquisitions and research to save resources and develop what the warfighter needs in this key, but often overlooked, part of combat intelligence. Better weather management structure could enable information from TECOM Meteorological (Met) teams testing activities to identify weather effects critical threshold values and apply them to tactical decision aids for warfighters.
 - (2) Automated weather tactical decision aids can provide valuable information to enable commanders to use smart munitions more effectively in adverse weather conditions. For example, during DESERT STORM in Battle of 73 Easting, the exchange ratio during low visibility, using bad weather tactics, was 144 Iraqi losses to 2 U.S. Army losses. This kind of result can be preplanned by knowing our own limitations, comparing them to threat limitations in adverse weather, and selecting the most effective mix of smart weapons systems and sensors. This approach can be maximized in Information Operations. A "hi-tech" approach to digital weather presentations, overlaid on the common relevant picture, visualization of weather in mission planning systems, and interchange of seamless current and forecast weather are key parts of Information Operations that need to be developed.
 - (3) To achieve these objectives, improved management of Army R&D must focus Army capabilities on developing and acquiring the assets to observe and forecast weather in field conditions on a higher level of resolution and to identify limitations on friendly and threat systems with the clear objective to exploit differences in limitations through Information Operations. Training Army soldiers on the importance of weather integration into operations is needed in core officer and NCO curricula, and in MI and combat arms OBC/OACs.

Prior Efforts. None that can be determined.

3. TASKS - Describe what is to be done.

a. Identify and adequate management organization and charter needed to manage Army weather programs and support functions.

(1) Identify key positions in HQDA. ODCSINT/DAMI-POB and ODCSOPS/DAMO-FDI, identify key positions in HQDA, ASA(RDA); TRADOC Headquarters, Centers, and Schools; Army Materiel Command and its major subordinate commands; U.S. Army Medical Research Command; U.S. Corps of Engineers; warfighting major commands needed to successfully manage the Army weather functional area.

(2) Identify deficiencies where key positions are needed but not filled.

(3) Describe process and organization to manage resources (acquisition programs, operational personnel, equipment, and supporting R&D).

(4) Describe a management process within current acquisition procedures to combine several low priority weather support requirements from several individual battlefield operating systems or functional areas within TRADOC to effectively build a consolidated support base to get funding for the capabilities the warfighter needs.

(5) Outline a plan and methodology to specify how the organization, recommended above, should be used to build the weather support capabilities Army component commanders need to support a "hi tech" Army force using digital C4I equipment to execute Information Operations.

(6) Recommend a procedure to ensure critical weather effect threshold values are collected during testing, archived, and made available to weather effects Tactical Decision Aid developers and program managers to build to support warfighting missions.

b. Army warfighters need a coherent architecture and plan to develop the capability to provide weather information to them in an easily used and understandable format. This includes tactical decision aids showing impacts on operations overlaid on situation maps and the battlefield visualization of changing forecast weather conditions in mission planning systems, simulations, and in displays of weather satellite cloud movement.

(1) Describe high payoff mission areas where better weather information and battlefield visualization could improve Army tactical planning and execution.

(2) Describe key schools or training programs needed to formally teach advantages of integrating weather in routine planning procedures and build awareness of the potential adverse effects and process to use weather to the Friendly Force advantage.

(3) Recommend key organizations and outline procedures to integrate weather into developing Information Operations and Battlefield Visualization.

(4) Recommend warfighting functions where better weather effects information should be used, i.e., targeting cells, automated intelligence preparation of the battlefield, rescue and night vision operations, aviation mission planning system, unmanned aerial vehicles, and advanced artillery deep operations, etc.

c. Review commercial and private sector technologies to determine current availability of hardware and software for Army Research and Development to leverage to help meet the weather intelligence requirements of Army warfighters.

4. DELIVERABLES.

a. Interim report and final bound document. Reference Basic 'K' Contract DD 1423 and the Scientific and Technical Reports data Item A002. The quantify is to be determined. The interim report and final bound document are due six months and one year, from start of study, respectively. Deliver to:

HQDA (DAMI-PPM, Mr. Nolan), Room 2E477
1022 Army Pentagon, Washington, D.C. 20310-1022.

5. CONTROL PROCEDURES.

a. Reviews will be held quarterly (every three [3] months), with an in-progress review (IPR) to be held six months from start of work.

b. Monthly status reports will be submitted; reference Basic 'K' Contract DD 1423 and the Scientific and Technical Reports Data Item A002.

c. Financial expenditures will be submitted monthly; reference Basic 'K' Contract DD 1423 and the Performance and Cost Report Data Item A003.

6. GOVERNMENT FURNISHED SUPPORT. To be determined.

APPENDIX B. FIRST MODIFICATION TO STATEMENT OF WORK

18 June, 1997

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Contract #DACA76-93-D-0005

Delivery Order #0005

ADDENDUM TO STATEMENT OF WORK
Modernized Army Weather Support and Organization

1. Change the following:

a. Eliminate existing objective 1.b., Task 3.b., 3.b.(1) through (4), and 3.c. in the current Statement of Work (SOW) and insert new paragraph 1.b. and 3.b. as follows:

1.b. Provide enhancements to existing weather support by focusing on immediate payoffs for tactical ground warfighters.

3.b. Conclude activities on SOW study objective 1.a. (management structure) as described in paragraph (TASKS) 3.a. (1) - (6). Refocus the remainder of the study to the new tasks stated below. This shifts the focus to immediate payoffs for warfighters.

(1) Review the existing rules for the Integrated Weather Effects Decision Aids (IWEDA), Block II. Confirm the validity of the existing rules and weather effects critical values and recommend changes to rules or critical values, as appropriate.

(a) Meet with or hold telephone/video conferences with USAIC&FH DCD Weather Section to assist the current state of work in progress. Obtain further guidance from the Weather Section to identify systems and areas of primary importance where contractor should assist.

(b) Based on guidance from USAIC&FH DCD Weather Section, assist in updating existing IWEDA rules and critical values. Systems and operation used most often to support Major Army Command (MACOM) warfighters will take precedence. The objective is to review IWEDA rules and critical values to ensure MACOM corps/division/ACR/Aviation Brigade warfighters have accurate, reliable, and usable information presented to them when they view the IWEDA displays and map overlays. This includes validating the rules shown when components and subsystems are interrogated to determine why an area is colored red or yellow for a system or operations.

(c) Visit user communities as required, to access existing Army or Air Force Weather effects databases to ensure current 1997 Army equipment and operational concepts are the basis for existing rules in IWEDA, IMETS Block II.

(d) Use the USAIC&FH DCD facilities and equipment, including IMETS block II workstations resident at USAIC&FH, to review, modify, or update IWEDA databases and master data files/software.

(e) Update USAIC&FH DCD Weather Section routinely throughout the process to facilitate expeditious application of contractor work in the larger project to update and enlarge future issues of IWEDA software.

(f) In the final bound document for this study:

1 List existing IMETS Block II, Integrated Weather Effects Decision Aids (IWEDA) rules for each operation or weapon system. In the list, compare the existing critical values for each rule with the new critical values that have been determined. Document and date the new critical values with source information such as technical manuals, interviews with users, interviews with OPRs (e.g., National Ground Intelligence Center action officers, III Corps units, Test and Evaluation Command (TECOM) Meteorological Teams, etc.). For each subsystem within the major weapon system or operation, list the subsystem, existing critical value, new critical value, and documentation of source of change information. Coordinate documentation procedures with the USAIC&FH DCD Weather section to facilitate direct use of results in the weather effects Critical Values Database.

2 List all software changes made for the USAIC&FH DCD Weather Section in IMETS IWEDA software. List will summarize changes made in software.

(2) Upon completion of IWEDA work above continue to work with USAIC&FH DCD Weather section to build/develop a master list of standard templates/formats/graphic displays (referenced as templates hereafter) for weather information by Battlefield Functional areas (BFA) or Battlefield Operating Systems (BOS) to be hosted in the Block II IMETS software. Software may be on either IMETS workstation, as appropriate.

(a) First priority are the Aviation BOS templates. Leverage existing USAIC&FH DCD Weather Section Work to develop a final set of aviation templates.

(b) Next priority for development of templates is Terrain Analysis in Intelligence Preparation of the Battlefield (IPB). USAIC&FH is automating IPB weather analysis to encompass a series of standard graphic products and data fields of weather information. Develop the set of templates needed for planning (based on climatology), and for execution (based on current and forecast weather conditions). Develop a standard set of graphics that meet requirements of Terrain Analysis, tailored for direct, immediate use by current and future terrain systems (i.e., DTSS, CTIS). Templates will be hosted on IMETS Block II and later systems. Templates will become the default set of IPB weather tools to prepare weather analysis products, tailored and ready for direct application into CTIS for further processing in IPB Terrain Analysis.

(c) Evaluate and list electro-optical TDA needed by current or emerging weapons systems.

(d) In the final bound document for this study:

1 Develop/provide a master list of new or modified templates/graphic displays created in the effort.

2 List individual charts, templates, and displays developed.

3 Develop/provide a list of, recommending for future development, all TDA not yet developed but recognized as needed based on experience in working with users in this effort. For example, this list may include electro-optical tactical decision aids (EOTDA) for an existing system (e.g., Apache Target Acquisition and Designation System/Pilot Night Vision System [TADS/PNVS]) or for new emerging systems (e.g., Commanche stealth technology).

4 Develop/provide a checklist of procedures to develop and validate the user of an IWEDA tactical decision aid.

(e) Provide USAIC&FH DCD and PD IMETS hard copies of each new template and provide software copies of the templates on disk or other media required by USAIC&FH DCD Weather Section, with information copy to DAMI-POB.

APPENDIX C. STC LETTER REQUESTING EXTENSION

**SCIENCE and TECHNOLOGY CORP.**

101 Research Drive, Hampton, Virginia 23666-1340 USA

Telephone: (757) 865-1894 Fax: (757) 865-1294

Home Page: <http://www.stcnet.com>**REPLY TO ATTN OF: STC CONTRACTS DEPT
CONTRACTS@STCNET.COM**

6293-005

28 August 1997

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US Army Topographic Engineering Center
Contracts Office, CETEC-CT, Ms. May M. Lew
7701 Telegraph Road
Alexandria, Virginia 22315-3864

Reference: Contract No. DACA76-93-D-0005, Delivery Order No. 0005

Subject: Request for Completion Date Extension

Dear Ms. Lew:

Science and Technology Corporation (STC) requests that the completion date of the referenced delivery order be extended through 31 March 1998, at no additional cost to the Government.

This extension is requested to allow additional time to complete the delivery order requirements as a result of two additional subtasks to the Statement of Work (SOW) authorized by Modification No. 000502: Paragraph 3.b.(1), which requires validation of IWEDA rules (IWEDA subtask); and Paragraph 3.b.(2), which requires the development of a list of templates/graphic displays (template subtask).

Based on a new completion date of 31 March 1998, STC proposes the following revised delivery schedule:

- Technical effort on the original SOW tasks and on the IWEDA subtask will be completed with all deliverables submitted by 12 December 1997 (the original due date).
- Technical effort on the template subtask will be completed with all deliverables submitted by 31 March 1998.

6293-004

Ms. May Lew, TEC

28 August 1997

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The revised delivery schedule and completion date extension, as proposed, has been coordinated with the following Government technical representatives: Ms. Joni Jarrett, COTR; Mr. Steve Nolan, Technical Monitor, DAMI-IFM; and Mr. Lee Page, Technical Monitor, DAMI-POB. Coordination and concurrence was obtained on this date per telecon between Mr. Steve Nolan and Mr. Carl Chesley of STC.

Your consideration of our request is appreciated. If you have any questions of a technical nature, please contact Mr. Chesley at our Hampton Technical Office, (757) 865-0467; please direct all other questions to Ms. Carla A. Coombs, Sr. Contract Administrator, at our Hampton Corporate Office (757) 865-1894.

Sincerely,



Edward G. Bimler

Vice President - Contracts

CAC/

cc: Mr. Steve Nolan, DAMI-IFM
Mr. Lee Page, DAMI-POB
Ms. Joni Jarrett, USATEC COTR

APPENDIX D. LIST OF IWEDA DEVELOPMENT REFERENCES

IWEDA Development References:

- Chesley, C. H., W. G. Maunz, A. R. Spillane, and S. L. Eure, 1991: *Evaluation of the U.S. Army Atmospheric Sciences Laboratory Weather Decision Aids*. STC Technical Report 2471, Science and Technology Corporation, Hampton, Virginia.
- Chesley, C. H., W. G. Maunz, A. R. Spillane, and S. L. Eure, 1992: *Software Engineering Plan for the U.S. Army Atmospheric Laboratory's Integrated Weather Decision Aid (IWEDA) Software Program*. STC Technical Report 2582(1), Science and Technology Corporation, Hampton, Virginia.
- Chesley, C. H., W. G. Maunz, A. R. Spillane, S. L. Eure, and P. J. Shaw, 1992: *Engineering Plan of the Integrated Weather Effects Decision Aids (IWEDA) Software Program*. STC Technical Report 2582, Science and Technology Corporation, Hampton, Virginia.
- Chesley, C. H., A. R. Spillane, W. G. Maunz, and T. J. Dube, 1994: *Integrated Weather Effects Decision Aid (IWEDA), Version 1.10a Final Status Report*. STC Technical Report 2885, Science and Technology Corporation, Hampton, Virginia.
- Maunz, W. G., C. H. Chesley, and A. R. Spillane, 1993: *Development of Integrated Weather Effects Decision Aid (IWEDA) Software*. STC Technical Report 6235, Science and Technology Corporation, Hampton, Virginia.

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APPENDIX E. ORGANIZATIONS AND PERSONNEL VISITED

Organizations and Personnel Visited

Organization/Unit	Location	Personnel (As appropriate)
Fort Huachuca MOS Library	Fort Huachuca, AZ	
Tactical, training units	Fort Huachuca, AZ	
UAV test unit	Fort Huachuca, AZ	
Weapons and Tactics Branch	HQ ACC, VA	Majors R. Goodwyn, C. Fisher, M. Decesari, and W. Montgomery
Main Post Library	HQ TRADOC, VA	
Aviation Applied Technology Directorate of the Aviation Support Facility	Fort Eustis, VA	Mr. J. Benham
CH-47 Support Facility	Fort Eustis, VA	Mr. M. Sloan
Aviation and Transportation School Library	Fort Eustis, VA	
7th Transportation Group	Fort Eustis, VA	Mr. K. Winget
6th Transportation Battalion	Fort Eustis, VA	SSgt D. Fuller, Sgt S. Gibbs, Sgt J. Moore
MOS library	Fort Eustis, VA	
18 Weather Squadron	Fort Bragg, NC	Lt Col D. Smarsh, SMSgt M. Gideons, Capt L. Rourke
Main Post ALC	Fort Bragg, NC	Mr. M. Cates
229 th Attack Helicopter Regiment	Fort Bragg, NC	CW4 R. Moring
HHC 1-52 Armored Battalion	Fort Bragg, NC	CSM D. Schwab
Old Division Area ALC	Fort Bragg, NC	Mr. R. Browning, Mr. J. Cherry
82 nd ALC	Fort Bragg, NC	Mr. D. Minshear, Mr. J. Anderson
82 nd Aviation Brigade	Fort Bragg, NC	CW4 J. Morgan
XVIII Corps Artillery ALC	Fort Bragg, NC	Mr. J. Manning, Mr. V. Di Lorenzo
Material Maintenance Division	Fort Bragg, NC	
Weather Support Team, USAIC&FH	ARL-W	Mr. D. Adamson
IMETS Project Office	ARL-W	Mr. J. Swanson
Weather Exploitation Branch	ARL-W	Dr. R. Shirkey
HQ AWS/XPPP	ARL-W	MSGT C. Imhof
DCD, USAAVNC	ARL-W	Capt D. Bray
AMPS Program Office	ARL-W	Mr. J. Donnelly

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APPENDIX F. LIST OF CONDENSED IMPACTS BY PRIORITY

CONDENSED IMPACT WORDS vs. CRITICAL VALUES BY PRIORITY

Parameter	Least Impact Condensed Impact/Value	Moderate Impact Condensed Impact/Value	Worst Impact Condensed Impact/Value
Thunderstorm	Thunderstorm > None		
Hail	Hail > None		
Freezing Rain	Freezing Rain > None	Freezing Rain > Light	Heavy Freezing Rain > Moderate
Snow	Snow $\geq 1000 \leq 9000$ Meters	Snow $> 400 < 1000$ Meters	Heavy Snow ≤ 400 Meters
Rain	Rain > None	Rain > Light	Heavy Rain > Moderate
Visibility	Reduced Visibility $> 4800 \leq 9000$ Meters	Low Visibility $\geq 1000 \leq 4800$ Meters	Very Low Visibility < 1000 Meters
Clouds	Clouds ≥ 3000 Feet	Low Clouds $\geq 1000 < 3000$ Feet	Very Low Clouds < 1000 Feet
Icing	Icing Aloft > None	Icing Aloft > Light	Severe Icing Aloft > Moderate
Turbulence	Turbulence Aloft > None	Turbulence Aloft > Light	Severe Turbulence Aloft > Moderate
Fog	Light Mist $> 4800 \leq 9000$ Meters	Mist $\geq 1000 \leq 4800$ Meters	Fog < 1000 Meters
Drizzle	Drizzle $\geq 1000 \leq 9000$ Meters	Drizzle $> 400 < 1000$ Meters	Heavy Drizzle ≤ 400 Meters
Blowing Snow	Blowing Snow $\geq 1000 \leq 9000$ Meters	Snowstorm $\geq 500 < 1000$ Meters	Severe Snowstorm < 500 Meters
Blowing Sand	Blowing Sand $\geq 1000 \leq 9000$ Meters	Sandstorm $\geq 500 < 1000$ Meters	Severe Sandstorm < 500 Meters
Snow Depth	Shallow Snow $\geq 1 < 4$ Inches	Moderate Snow Cover $\geq 4 \leq 12$ Inches	Deep Snow > 12 Inches
Surface Wind	Surface Wind $\geq 15 < 35$ Knots	Strong Surface Wind $\geq 35 < 50$ Knots	Very Strong Surface Wind ≥ 50 Knots
Gust	Gust $\geq 15 < 35$ Knots	Strong Gust $\geq 35 < 50$ Knots	Very Strong Gust ≥ 50 Knots
Temperature, Cold	Cold $< 32^\circ > 10^\circ$ F	Very Cold $\leq 10^\circ > -20^\circ$ F	Extreme Cold $\leq -20^\circ$ F
Temperature, Hot	Hot $\geq 85^\circ < 100^\circ$ F	Very Hot $\geq 100^\circ \leq 125^\circ$ F	Extreme Heat $> 125^\circ$ F
Wind Chill	Wind Chill $\geq 32 > 10$ F, > 0 knots	Low Wind Chill $\geq 10 > -25$ F, > 0 Knots	Extreme Wind Chill $\leq -25^\circ$ F, > 0 Knots
Dewpoint Temperature	Dewpoint Temperature $> 65^\circ < 85^\circ$ F	High Dewpoint Temperature $\geq 85^\circ < 95^\circ$ F	Extreme Dewpoint Temperature $\geq 95^\circ$ F
Relative Humidity	Relative Humidity $< 65\%$	Mod Relative Humidity > 65 to 95%	High Relative Humidity $> 95\%$
Density Altitude	Density Altitude $> 2000 < 5000$ Feet	High Density Altitude $\geq 5000 < 10000$ Feet	Very High Density Altitude ≥ 10000 Feet
Pressure Altitude	Pressure Altitude > 2000 to < 5000 Feet	High Pressure Altitude ≥ 5000 to < 10000 Feet	Very High Pressure Altitude ≥ 10000 Feet
Stability	Stable Atmosphere E, F, G	Neutral Atmosphere D	Unstable Atmosphere A, B, C
U/A Wind	Winds Aloft > 0		
Elevation	Elevation $> 2000 < 5000$ Feet	High Elevation $\geq 5000 < 10,000$ Feet	Very High Elevation $\geq 10,000$ Feet
Slope	Slope $> 6^\circ < 17^\circ$	Moderate Slope $\geq 17^\circ \leq 35^\circ$	Steep Slope $> 35^\circ$

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APPENDIX G. ALL RULES ALL FIELDS

This appendix contains three sections:

1. IWEDA System Rules
2. IWEDA Subsystem Rules
3. IWEDA Component Rules

IWEDA System Rules

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IWEDA System Rules

ID #	1	System Name	IAGS-171		Rule 1 #	49	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?			N			
Parameter 1 #	26	Old Param. 1 ID	visibility		New Param. 1 ID	Visibility		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	800		New Value 1	800 meters		Changed Value 1?		N			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Reduced Visibility		New Condensed Impact	Very Low Visibility		Changed Condensed Impact?		Y			
Old Full Impact	Visibility less than 800 meters makes it difficult to acquire/identify targets.										
New Full Impact	Visibility < 800 meters makes it difficult to acquire/identify targets.										
										Changed Full Impact?	N
Old Source	(Army FM 34-81-1, Battlefield Weather Effects, 1992);										
New Source/Reason for Delete	FM 34-81-1, pg. N-4, Dec 1992										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	2	System Name	IAT-31		Rule 1 #	49	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	2		Changed Color?			Y			
Parameter 1 #	26	Old Param. 1 ID	visibility		New Param. 1 ID	Visibility		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	800		New Value 1	800 meters		Changed Value 1?		N			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Reduced Visibility		New Condensed Impact	Very Low Visibility		Changed Condensed Impact?		Y			
Old Full Impact	Visibility less than 800 meters makes it difficult to acquire/identify targets.										
New Full Impact	Visibility < 800 meters makes it difficult to acquire/identify targets.										
										Changed Full Impact?	N
Old Source	(Army FM 34-81-1, Battlefield Weather Effects, 1992);										
New Source/Reason for Delete	FM 34-81-1, Pg. N-4, Dec 1992										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

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IWEDA System Rules

ID #	3	System Name	IAT-3I	Rule 1 #	50	Rule 2 #		Delete Rule?	N
Old Color	1	New Color	1			Changed Color?	N		
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility	Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?			
Old Value 1	600	New Value 1	3000 meters	Changed Value1?	Y				
Old Value 2		New Value 2		Changed Value 2?					
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2	
Old Condensed Impact	Reduced Visibility		New Condensed Impact	Low Visibility		Changed Condensed Impact?	Y		
Old Full Impact	Visibility less than 600 meters makes it difficult to acquire/identify targets.								
New Full Impact	Visibility < 3000 meters makes it difficult to acquire/identify targets.								
						Changed Full Impact?	Y		
Old Source	(Army FM 34-81-1, Battlefield Weather Effects, 1992);								
New Source/ Reason for Delete	FM 34-81-1, pg. N-5, Dec 1992								
Comments									
Changed Source?	Y	Are There Any (2) Options?		N	Any Change to Record?		Y		

ID #	4	System Name	IERYXI	Rule 1 #	50	Rule 2 #		Delete Rule?	N
Old Color	1	New Color	1			Changed Color?	N		
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility	Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?			
Old Value 1	600	New Value 1	600 meters	Changed Value1?	N				
Old Value 2		New Value 2		Changed Value 2?					
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2	
Old Condensed Impact	Reduced Visibility		New Condensed Impact	Very Low Visibility		Changed Condensed Impact?	Y		
Old Full Impact	Visibility less than 600 meters makes it difficult to acquire/identify targets.								
New Full Impact	Visibility < 600 meters makes it difficult to acquire/identify targets.								
						Changed Full Impact?	N		
Old Source	(Army FM 34-81-1, Battlefield Weather Effects, 1992);								
New Source/ Reason for Delete	FM 34-81-1, pg. N-4, Dec 1992								
Comments									
Changed Source?	Y	Are There Any (2) Options?		N	Any Change to Record?		Y		

IWEDA System Rules

ID #	5	System Name	!LOW BLOW!		Rule 1 #	52	Rule 2 #		Delete Rule?	N							
Old Color	1	New Color	1		Changed Color?						N						
Parameter 1 #	14	Old Param. 1 ID	rain		New Param. 1 ID	Rain		Changed Param. 1?			N						
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?									
Old Value 1	1		New Value 1	light		Changed Value1?		Y									
Old Value 2			New Value 2			Changed Value 2?											
Old Operator 1	>		New Opt. 1	>=		Changed Opt. 1?	Y		Old Opt. 2			New Opt. 2			Changed Opt. 2?		
Old Condensed Impact	Precipitation				New Condensed Impact	Rain				Changed Condensed Impact?				Y			
Old Full Impact	Rain of intensity of light or greater degrades the effectiveness of the radar.																
New Full Impact	Rain of intensity of >= light degrades the effectiveness of the radar.																
															Changed Full Impact?	Y	
Old Source	(Army FM 34-81-1, Battlefield Weather Effects, 1992);																
New Source/Reason for Delete	FM 34-81-1, pg. N-8, Dec 1992																
Comments																	
Changed Source?	Y		Are There Any (2) Options?				N		Any Change to Record?				Y				

ID #	6	System Name	!MATHOGO!		Rule 1 #	42	Rule 2 #		Delete Rule?	N							
Old Color	1	New Color	1		Changed Color?						N						
Parameter 1 #	26	Old Param. 1 ID	visibility		New Param. 1 ID	Visibility		Changed Param. 1?			N						
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?									
Old Value 1	2000		New Value 1	2000 meters		Changed Value1?		N									
Old Value 2			New Value 2			Changed Value 2?											
Old Operator 1	<=		New Opt. 1	<		Changed Opt. 1?	Y		Old Opt. 2			New Opt. 2			Changed Opt. 2?		
Old Condensed Impact	Reduced Visibility				New Condensed Impact	Low Visibility				Changed Condensed Impact?				Y			
Old Full Impact	Visibility less than 2000 meters makes it difficult to acquire/identify targets.																
New Full Impact	Visibility < 2000 meters makes it difficult to acquire/identify targets.																
															Changed Full Impact?	Y	
Old Source	(Army FM 34-81-1, Battlefield Weather Effects, 1992);																
New Source/Reason for Delete	FM 34-81-1, pg. N-5, Dec 1992																
Comments																	
Changed Source?	Y		Are There Any (2) Options?				N		Any Change to Record?				Y				

IWEDA System Rules

ID #	7	System Name	IMILAN 2!		Rule 1 #	42	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?			N			
Parameter 1 #	26	Old Param. 1 ID	visibility		New Param. 1 ID	Visibility		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	2000		New Value 1	2000 meters		Changed Value1?		N			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	<=	New Opt. 1	<	Changed Opt. 1?	Y	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Reduced Visibility		New Condensed Impact	Low Visibility		Changed Condensed Impact?		Y			
Old Full Impact	Visibility less than 2000 meters makes it difficult to acquire/identify targets.										
New Full Impact	Visibility < 2000 meters makes it difficult to acquire/identify targets.										
										Changed Full Impact?	Y
Old Source	(Army FM 34-81-1, Battlefield Weather Effects, 1992);										
New Source/ Reason for Delete	FM 34-81-1, pg. N-5, Dec 1992										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	8	System Name	IRBS-56I		Rule 1 #	42	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?			N			
Parameter 1 #	26	Old Param. 1 ID	visibility		New Param. 1 ID	Visibility		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	2000		New Value 1	2000 meters		Changed Value1?		N			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	<=	New Opt. 1	<	Changed Opt. 1?	Y	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Reduced Visibility		New Condensed Impact	Low Visibility		Changed Condensed Impact?		Y			
Old Full Impact	Visibility less than 2000 meters makes it difficult to acquire/identify targets.										
New Full Impact	Visibility < 2000 meters makes it difficult to acquire/identify targets.										
										Changed Full Impact?	Y
Old Source	(Army FM 34-81-1, Battlefield Weather Effects, 1992);										
New Source/ Reason for Delete	FM 34-81-1, pg. N-5, Dec 1992										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA System Rules

ID #	9	System Name	IRED ARROW 8!		Rule 1 #	41	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?			N			
Parameter 1 #	26	Old Param. 1 ID	visibility		New Param. 1 ID	Visibility		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	3000		New Value 1	3000 meters		Changed Value 1?		N			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	<=	New Opt. 1	<	Changed Opt. 1?	Y	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Reduced Visibility		New Condensed Impact	Low Visibility		Changed Condensed Impact?		Y			
Old Full Impact	Visibility less than 3000 meters makes it difficult to acquire/identify targets.										
New Full Impact	Visibility < 3000 meters makes it difficult to acquire/identify targets.										
										Changed Full Impact?	Y
Old Source	(Army FM 34-81-1, Battlefield Weather Effects, 1992);										
New Source/Reason for Delete	FM 34-81-1, pg. N-5, Dec 1992										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	10	System Name	IRPG-16!		Rule 1 #	49	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?			N			
Parameter 1 #	26	Old Param. 1 ID	visibility		New Param. 1 ID	Visibility		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	800		New Value 1	800 meters		Changed Value 1?		N			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Reduced Visibility		New Condensed Impact	Very Low Visibility		Changed Condensed Impact?		Y			
Old Full Impact	Visibility less than 800 meters makes it difficult to acquire/identify targets.										
New Full Impact	Visibility < 800 meters makes it difficult to acquire/identify targets.										
										Changed Full Impact?	Y
Old Source	(Army FM 34-81-1, Battlefield Weather Effects, 1992);										
New Source/Reason for Delete	FM 34-81-1, pg. N-4, Dec 1992										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA System Rules

ID #	11	System Name	IRPG-18!		Rule 1 #	39	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?						N
Parameter 1 #	26	Old Param. 1 ID	visibility		New Param. 1 ID	Visibility		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	200		New Value 1	200 meters		Changed Value1?	N				
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	<=	New Opt. 1	<	Changed Opt. 1?	Y	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Reduced Visibility		New Condensed Impact	Very Low Visibility		Changed Condensed Impact?	Y				
Old Full Impact	Visibility less than 200 meters makes it difficult to acquire/identify targets.										
New Full Impact	Visibility < 200 meters makes it difficult to acquire/identify targets.										
										Changed Full Impact?	Y
Old Source	(Army FM 34-81-1, Battlefield Weather Effects, 1992);										
New Source/ Reason for Delete	FM 34-81-1, Pg. N-4, Dec 1992										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	12	System Name	IRPG-7!		Rule 1 #	40	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?						N
Parameter 1 #	26	Old Param. 1 ID	visibility		New Param. 1 ID	Visibility		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	500		New Value 1	500 meters		Changed Value1?	N				
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Reduced Visibility		New Condensed Impact	Very Low Visibility		Changed Condensed Impact?	Y				
Old Full Impact	Visibility less than 500 meters makes it difficult to acquire/identify targets.										
New Full Impact	Visibility < 500 meters makes it difficult to acquire/identify targets.										
										Changed Full Impact?	Y
Old Source	(Army FM 34-81-1, Battlefield Weather Effects, 1992);										
New Source/ Reason for Delete	FM 34-81-1, pg. N-4, Dec 1992										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA System Rules

ID #	13	System Name	ISA-14!		Rule 1 #	40	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2		Changed Color?			N			
Parameter 1 #	26	Old Param. 1 ID	visibility		New Param. 1 ID	Visibility		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	500		New Value 1	500 meters		Changed Value1?		N			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Reduced Visibility		New Condensed Impact	Very Low Visibility		Changed Condensed Impact?		Y			
Old Full Impact	Visibility less than 500 meters makes it difficult to acquire/identify targets.										
New Full Impact	Visibility < 500 meters makes it difficult to acquire/identify targets.										
Changed Full Impact?											Y
Old Source	(Army FM 34-81-1, Battlefield Weather Effects, 1992);										
New Source/Reason for Delete	FM 34-81-1, pg. N-4, Dec 1992										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	14	System Name	ISA-14!		Rule 1 #	108	Rule 2 #	108	Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?			N			
Parameter 1 #	4	Old Param. 1 ID	cloudcover		New Param. 1 ID	Cloud Cover		Changed Param. 1?	N		
Parameter 2 #	3	Old Param. 2 ID	cloudbase		New Param. 2 ID	Cloud Base		Changed Param. 2?	N		
Old Value 1	4		New Value 1	Broken		Changed Value1?		Y			
Old Value 2	1000		New Value 2	1000 Ft.		Changed Value 2?		N			
Old Operator 1	>	New Opt. 1	>=	Changed Opt. 1?	Y	Old Opt. 2	<=	New Opt. 2	<=	Changed Opt. 2?	N
Old Condensed Impact	Clouds		New Condensed Impact	Very Low Clouds		Changed Condensed Impact?		Y			
Old Full Impact	Cloud cover > 4/8 with cloud bases <= 1000 ft degrades the ability to acquire targets.										
New Full Impact	Ceilings < 1000 ft degrades the ability to acquire targets.										
Changed Full Impact?											Y
Old Source	(Army FM 34-81-1, Battlefield Weather Effects, 1992);										
New Source/Reason for Delete	FM 34-81-1, pg. N-3, Dec 1992										
Comments											
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?				Y

IWEDA System Rules

ID #	15	System Name	ISA-16I		Rule 1 #	40	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2		Changed Color?						N
Parameter 1 #	26	Old Param. 1 ID	visibility		New Param. 1 ID	Visibility		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	500		New Value 1	500 meters		Changed Value1?	N				
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Reduced Visibility		New Condensed Impact	Very Low Visibility		Changed Condensed Impact?	Y				
Old Full Impact	Visibility less than 500 meters makes it difficult to acquire/identify targets.										
New Full Impact	Visibility < 500 meters makes it very difficult to acquire/identify targets.										
										Changed Full Impact?	Y
Old Source	(Army FM 34-81-1, Battlefield Weather Effects, 1992);										
New Source/Reason for Delete	FM 34-81-1, pg. N-4, Dec 1992										
Comments											
Changed Source?	Y	Are There Any (2) Options?		N	Any Change to Record?		Y				

ID #	16	System Name	ISA-16I		Rule 1 #	91	Rule 2 #	91	Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?						N
Parameter 1 #	4	Old Param. 1 ID	cloudcover		New Param. 1 ID	Cloud Cover		Changed Param. 1?	N		
Parameter 2 #	3	Old Param. 2 ID	cloudbase		New Param. 2 ID	Cloud Base		Changed Param. 2?	N		
Old Value 1	4		New Value 1	broken		Changed Value1?	Y				
Old Value 2	2500		New Value 2	2500 Ft.		Changed Value 2?	N				
Old Operator 1	>	New Opt. 1	>=	Changed Opt. 1?	Y	Old Opt. 2	<=	New Opt. 2	<=	Changed Opt. 2?	N
Old Condensed Impact	Clouds		New Condensed Impact	Low Clouds		Changed Condensed Impact?	Y				
Old Full Impact	Cloud cover > 4/8 with cloud bases <= 2500 ft degrades the ability to acquire targets.										
New Full Impact	Ceilings < 2500 ft degrades the ability to acquire targets.										
										Changed Full Impact?	Y
Old Source	(Army FM 34-81-1, Battlefield Weather Effects, 1992);										
New Source/Reason for Delete	FM 34-81-1, pg. N-3, Dec 1992										
Comments											
Changed Source?	Y	Are There Any (2) Options?		Y	Any Change to Record?		Y				

IWEDA System Rules

ID #	17	System Name	ISA-7 GRAIL		Rule 1 #	44	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?						N
Parameter 1 #	26	Old Param. 1 ID	visibility		New Param. 1 ID	Visibility		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	2500		New Value 1	2500 ft.		Changed Value 1?	N				
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Reduced Visibility		New Condensed Impact	Low Visibility		Changed Condensed Impact?	Y				
Old Full Impact	Visibility less than 2500 meters makes it difficult to acquire/identify targets.										
New Full Impact	Visibility < 2500 meters makes it difficult to acquire/identify targets.										
										Changed Full Impact?	Y
Old Source	(Army FM 34-81-1, Battlefield Weather Effects, 1992);										
New Source/Reason for Delete	FM 34-81-1, pg. N-4, Dec 1992										
Comments											
Changed Source?	Y	Are There Any (2) Options?		N	Any Change to Record?		Y				

ID #	18	System Name	ISTRAIGHT FLUSH		Rule 1 #	52	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?						N
Parameter 1 #	14	Old Param. 1 ID	rain		New Param. 1 ID	Rain		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	1		New Value 1	light		Changed Value 1?	Y				
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1	>=	Changed Opt. 1?	Y	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Precipitation		New Condensed Impact	Rain		Changed Condensed Impact?	Y				
Old Full Impact	Rain of intensity of light or greater degrades the effectiveness of the radar.										
New Full Impact	Rain of intensity >= light degrades the effectiveness of the radar.										
										Changed Full Impact?	Y
Old Source	(Army FM 34-81-1, Battlefield Weather Effects, 1992);										
New Source/Reason for Delete	FM 34-81-1, pg. N-8, Dec 1992										
Comments											
Changed Source?	Y	Are There Any (2) Options?		N	Any Change to Record?		Y				

IWEDA System Rules

ID #	19	System Name	!THIN SKIN!		Rule 1 #	52	Rule 2 #		Delete Rule?	N					
Old Color	1	New Color	1		Changed Color?					N					
Parameter 1 #	14	Old Param. 1 ID	rain		New Param. 1 ID	Rain		Changed Param. 1?	N						
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?							
Old Value 1	1		New Value 1	light		Changed Value1?	Y								
Old Value 2			New Value 2			Changed Value 2?									
Old Operator 1	>		New Opt. 1	>=		Changed Opt. 1?	Y		Old Opt. 2		New Opt. 2		Changed Opt. 2?		
Old Condensed Impact	Precipitation		New Condensed Impact	Rain		Changed Condensed Impact?	Y								
Old Full Impact	Rain of intensity of light or greater degrades the effectiveness of the radar.														
New Full Impact	Rain of intensity >= light degrades the effectiveness of the radar.														
											Changed Full Impact?	Y			
Old Source	(Army FM 34-81-1, Battlefield Weather Effects, 1992);														
New Source/Reason for Delete	FM 34-81-1, pg. N-8, Dec 1992														
Comments															
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y						

ID #	20	System Name	A-10		Rule 1 #	47	Rule 2 #		Delete Rule?	N					
Old Color	1	New Color	1		Changed Color?					N					
Parameter 1 #	26	Old Param. 1 ID	visibility		New Param. 1 ID	Visibility		Changed Param. 1?	N						
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?							
Old Value 1	8000		New Value 1	8000 meters		Changed Value1?	N								
Old Value 2			New Value 2			Changed Value 2?									
Old Operator 1	<		New Opt. 1	<		Changed Opt. 1?	N		Old Opt. 2		New Opt. 2		Changed Opt. 2?		
Old Condensed Impact	Reduced Visibility		New Condensed Impact	Reduced Visibility		Changed Condensed Impact?	N								
Old Full Impact	Visibility < 5 miles (8000 m) degrades the aircraft navigational and terrain avoidance capability which reduces the time available to acquire and identify targets.														
New Full Impact	Visibility < 5 miles (8000 m) may degrade navigation and terrain avoidance capability and reduce the time available to acquire and identify targets.														
											Changed Full Impact?	Y			
Old Source	(1st Cavalry Division, 1992);														
New Source/Reason for Delete	Interview with MAJ Goodwyn, A10 Pilot at ACC/DOTW Weapon and Tactics Branch, 13 Aug 1997														
Comments															
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y						

IWEDA System Rules

ID #	21	System Name	A-10		Rule 1 #	48	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	1		Changed Color?			Y			
Parameter 1 #	26	Old Param. 1 ID	visibility		New Param. 1 ID	Visibility		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	4800		New Value 1	4800		Changed Value 1?		N			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Reduced Visibility		New Condensed Impact	Reduced Visibility		Changed Condensed Impact?		N			
Old Full Impact	Visibility < 3 miles (4800 m) significantly degrades the aircraft navigational and terrain avoidance capability which reduces the time available to acquire and identify targets.										
New Full Impact	Visibility < 3 miles (4800 m) degrades terrain avoidance capability and reduces time available to acquire and identify targets.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	Interview, MAJ Goodwyn A10 Pilot ACC/DOTW Weapons and Tactics Branch, 13 Aug 1997										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	22	System Name	A-10		Rule 1 #	52	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?			N			
Parameter 1 #	14	Old Param. 1 ID	rain		New Param. 1 ID	Rain		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	1		New Value 1	Light		Changed Value 1?		Y			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Precipitation		New Condensed Impact	Rain		Changed Condensed Impact?		Y			
Old Full Impact	Rain > light intensity degrades the pilots visual and infrared detection ranges.										
New Full Impact	Rain > light intensity degrades the pilots visual and infrared detection ranges.										
										Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	Interview, MAJ Goodwyn A10 Pilot ACC/DOTW Weapons and Tactics Branch, 13 Aug 1997										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA System Rules

ID #	23	System Name	A-10		Rule 1 #	54	Rule 2 #		Delete Rule?	N					
Old Color	2	New Color	1		Changed Color?			Y							
Parameter 1 #	14	Old Param. 1 ID	rain		New Param. 1 ID	Rain		Changed Param. 1?	N						
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?							
Old Value 1	2		New Value 1	Moderate		Changed Value1?		Y							
Old Value 2			New Value 2			Changed Value 2?									
Old Operator 1	>		New Opt. 1	>		Changed Opt. 1?	N		Old Opt. 2		New Opt. 2		Changed Opt. 2?		
Old Condensed Impact	Precipitation		New Condensed Impact	Rain		Changed Condensed Impact?		Y							
Old Full Impact	Rain > moderate intensity significantly degrades the pilots visual and infrared detection ranges.														
New Full Impact	Rain > moderate intensity significantly degrades the pilots visual and infrared detection ranges.														
											Changed Full Impact?	N			
Old Source	(1st Cavalry Division, 1992);														
New Source/ Reason for Delete	Interview, MAJ Goodwyn A10 Pilot ACC/DOTW Weapons and Tactics Branch, 13 Aug 1997														
Comments															
Changed Source?	Y		Are There Any (2) Options?			N		Any Change to Record?				Y			

ID #	24	System Name	A-10		Rule 1 #	56	Rule 2 #		Delete Rule?	N					
Old Color	2	New Color	1		Changed Color?			Y							
Parameter 1 #	10	Old Param. 1 ID	freezingrain		New Param. 1 ID	Freezing Rain		Changed Param. 1?	N						
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?							
Old Value 1	0		New Value 1	Moderate		Changed Value1?		Y							
Old Value 2			New Value 2			Changed Value 2?									
Old Operator 1	>		New Opt. 1	>		Changed Opt. 1?	N		Old Opt. 2		New Opt. 2		Changed Opt. 2?		
Old Condensed Impact	Freezing Rain		New Condensed Impact	Heavy Freezing Rain		Changed Condensed Impact?		Y							
Old Full Impact	Any occurrence of freezing rain delays mission launch because exposed aircraft must be deiced.														
New Full Impact	Freezing rain > moderate delays mission launch because exposed aircraft must be deiced.														
											Changed Full Impact?	Y			
Old Source	(1st Cavalry Division, 1992);														
New Source/ Reason for Delete	Interview, MAJ Goodwyn A10 Pilot ACC/DOTW Weapons and Tactics Branch, 13 Aug 1997														
Comments															
Changed Source?	Y		Are There Any (2) Options?			N		Any Change to Record?				Y			

IWEDA System Rules

ID #	25	System Name	A-10		Rule 1 #	59	Rule 2 #		Delete Rule?	Y
Old Color	2	New Color			Changed Color?					
Parameter 1 #	17	Old Param. 1 ID	snow		New Param. 1 ID	Snow		Changed Param. 1?		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?		
Old Value 1	1		New Value 1			Changed Value1?				
Old Value 2			New Value 2			Changed Value 2?				
Old Operator 1	>	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2		Changed Opt. 2?
Old Condensed Impact	Snow		New Condensed Impact			Changed Condensed Impact?				
Old Full Impact	Snow > light intensity significantly degrades the pilots visual and infrared detection ranges.									
New Full Impact										
										Changed Full Impact?
Old Source	(1st Cavalry Division, 1992);									
New Source/Reason for Delete	Delete Rule: Interview, MAJ Goodwyn A10 Pilot ACC/DOTW Weapons and Tactics Branch, 13 Aug 1997. Replaced by Rule ID# 26									
Comments										
Changed Source?	Y	Are There Any (2) Options?	N	Any Change to Record?	Y					

ID #	26	System Name	A-10		Rule 1 #	60	Rule 2 #		Delete Rule?	N
Old Color	1	New Color	1		Changed Color?	N				
Parameter 1 #	17	Old Param. 1 ID	snow		New Param. 1 ID	Snow		Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?		
Old Value 1	0		New Value 1	Moderate		Changed Value1?	Y			
Old Value 2			New Value 2			Changed Value 2?				
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?
Old Condensed Impact	Snow		New Condensed Impact	Heavy Snow		Changed Condensed Impact?	Y			
Old Full Impact	Any occurrence of snowfall degrades the pilots visual and infrared detection ranges.									
New Full Impact	Snowfall > moderate degrades the pilots visual and infrared detection ranges.									
										Changed Full Impact?
Old Source	(1st Cavalry Division, 1992);									
New Source/Reason for Delete	Interview, MAJ Goodwyn A10 Pilot ACC/DOTW Weapons and Tactics Branch, 13 Aug 1997.									
Comments										
Changed Source?	Y	Are There Any (2) Options?	N	Any Change to Record?	Y					

IWEDA System Rules

ID #	27	System Name	A-10	Rule 1 #	63	Rule 2 #		Delete Rule?	Y
Old Color	2	New Color				Changed Color?			
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed	New Param. 1 ID		Changed Param. 1?			
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?			
Old Value 1	30	New Value 1		Changed Value1?					
Old Value 2		New Value 2		Changed Value 2?					
Old Operator 1	>=	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2	
Old Condensed Impact	Surface Wind		New Condensed Impact			Changed Condensed Impact?			
Old Full Impact	Surface wind > 30 kts significantly increases the impact errors for freefall munitions.								
New Full Impact									
						Changed Full Impact?			
Old Source	(1st Cavalry Division, 1992);								
New Source/Reason for Delete	Delete Rule: Not Applicable. Interview, MAJ Goodwyn A10 Pilot ACC/DOTW Weapons and Tactics Branch, 13 Aug 1997.								
Comments									
Changed Source?	Y	Are There Any (2) Options?		N	Any Change to Record?		Y		

ID #	28	System Name	A-10	Rule 1 #	67	Rule 2 #		Delete Rule?	Y
Old Color	1	New Color				Changed Color?			
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed	New Param. 1 ID		Changed Param. 1?			
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?			
Old Value 1	20	New Value 1		Changed Value1?					
Old Value 2		New Value 2		Changed Value 2?					
Old Operator 1	>=	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2	
Old Condensed Impact	Surface Wind		New Condensed Impact			Changed Condensed Impact?			
Old Full Impact	Surface wind > 20 kts cause freefall munitions impact points to be manually computed and released with associated impact errors.								
New Full Impact									
						Changed Full Impact?			
Old Source	(1st Cavalry Division, 1992);								
New Source/Reason for Delete	Delete Rule: Not Applicable. Interview, MAJ Goodwyn A10 Pilot ACC/DOTW Weapons and Tactics Branch, 13 Aug 1997.								
Comments									
Changed Source?	Y	Are There Any (2) Options?		N	Any Change to Record?		Y		

IWEDA System Rules

ID #	29	System Name	A-10		Rule 1 #	100	Rule 2 #	100	Delete Rule?	N							
Old Color	1	New Color	1		Changed Color?						N						
Parameter 1 #	4	Old Param. 1 ID	cloudcover		New Param. 1 ID	Cloud Cover		Changed Param. 1?			N						
Parameter 2 #	3	Old Param. 2 ID	cloudbase		New Param. 2 ID	Cloud Base		Changed Param. 2?			N						
Old Value 1	3		New Value 1	3/8 Coverage		Changed Value1?		Y									
Old Value 2	3000		New Value 2	3000 Ft.		Changed Value 2?		N									
Old Operator 1	>		New Opt. 1	>		Changed Opt. 1?	N		Old Opt. 2	<		New Opt. 2	<		Changed Opt. 2?	N	
Old Condensed Impact	Clouds		New Condensed Impact	Low Clouds		Changed Condensed Impact?		Y									
Old Full Impact	Cloud cover > 3/8 and cloud bases < 3000 ft degrade attack options and maneuverability. Attacks become predictable by restricting aircraft to cloud free corridors.																
New Full Impact	Cloud cover > 3/8 and cloud bases < 3000 ft degrade attack options and maneuvering may become predictable.																
											Changed Full Impact?	Y					
Old Source	(1st Cavalry Division, 1992);																
New Source/ Reason for Delete	Interview, MAJ Goodwyn A10 Pilot ACC/DOTW Weapons and Tactics Branch, 13 Aug 1997.																
Comments																	
Changed Source?	Y		Are There Any (2) Options?		Y		Any Change to Record?		Y								

ID #	30	System Name	A-10		Rule 1 #	101	Rule 2 #	101	Delete Rule?	Y							
Old Color	2	New Color			Changed Color?												
Parameter 1 #	4	Old Param. 1 ID	cloudcover		New Param. 1 ID			Changed Param. 1?									
Parameter 2 #	3	Old Param. 2 ID	cloudbase		New Param. 2 ID			Changed Param. 2?									
Old Value 1	5		New Value 1			Changed Value1?											
Old Value 2	1000		New Value 2			Changed Value 2?											
Old Operator 1	>		New Opt. 1			Changed Opt. 1?			Old Opt. 2	<		New Opt. 2			Changed Opt. 2?		
Old Condensed Impact	Clouds		New Condensed Impact			Changed Condensed Impact?											
Old Full Impact	Cloud cover > 5/8 and cloud bases < 1000 ft significantly degrade visual attacks and maneuverability. Attacks become predictable by restricting aircraft to cloud free corridors.																
New Full Impact																	
											Changed Full Impact?						
Old Source	(1st Cavalry Division, 1992);																
New Source/ Reason for Delete	Delete Rule: Not Significant. Interview, MAJ Goodwyn A10 Pilot ACC/DOTW Weapons and Tactics Branch, 13 Aug 1997.																
Comments																	
Changed Source?	Y		Are There Any (2) Options?		Y		Any Change to Record?		Y								

IWEDA System Rules

ID #	31	System Name	AH-1F		Rule 1 #	7	Rule 2 #		Delete Rule?	N					
Old Color	1	New Color	1		Changed Color?			N							
Parameter 1 #	22	Old Param. 1 ID	temperature		New Param. 1 ID	Temperature		Changed Param. 1?	N						
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?							
Old Value 1	-25		New Value 1	- 25 F		Changed Value1?		N							
Old Value 2			New Value 2			Changed Value 2?									
Old Operator 1	<=		New Opt. 1	<=		Changed Opt. 1?	N		Old Opt. 2		New Opt. 2		Changed Opt. 2?		
Old Condensed Impact	Cold		New Condensed Impact	Extreme Cold		Changed Condensed Impact?		Y							
Old Full Impact	Surface temperatures <= -25 F may cause the grease on the main or tail rotor shafts to congeal.														
New Full Impact	Surface temperatures <= -25 F may cause the crew to remove elastomeric spring prior to operation and may delay missions.														
											Changed Full Impact?	Y			
Old Source	(1st Cavalry Division, 1992);														
New Source/ Reason for Delete	TM 55-1520-236-10, Para 8-46.1, Aug 1994														
Comments															
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y						

ID #	32	System Name	AH-1F		Rule 1 #	24	Rule 2 #		Delete Rule?	N					
Old Color	1	New Color	1		Changed Color?			N							
Parameter 1 #	22	Old Param. 1 ID	temperature		New Param. 1 ID	Temperature		Changed Param. 1?	N						
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?							
Old Value 1	100		New Value 1	100 F		Changed Value1?		N							
Old Value 2			New Value 2			Changed Value 2?									
Old Operator 1	>=		New Opt. 1	>=		Changed Opt. 1?	N		Old Opt. 2		New Opt. 2		Changed Opt. 2?		
Old Condensed Impact	Hot		New Condensed Impact	Very Hot		Changed Condensed Impact?		Y							
Old Full Impact	Temperatures >= 100 F degrade aircraft performance.														
New Full Impact	Temperatures >= 100 F degrade aircraft performance.														
											Changed Full Impact?	N			
Old Source	(1st Cavalry Division, 1992);														
New Source/ Reason for Delete	TM 55-1520-236-10, Chapter 7, Sep 1996														
Comments															
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y						

IWEDA System Rules

ID #	33	System Name	AH-1F		Rule 1 #	32	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	1		Changed Color?			Y			
Parameter 1 #	23	Old Param. 1 ID	thunderstorm		New Param. 1 ID	Thunderstorm		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	1		New Value 1	yes		Changed Value 1?		Y			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	=	New Opt. 1	=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Thunderstorm		New Condensed Impact	Thunderstorm		Changed Condensed Impact?		N			
Old Full Impact	Any occurrence of thunderstorms curtail aircraft and refueling operations due to safely considerations.										
New Full Impact	Any occurrence of thunderstorms curtail aircraft and refueling operations due to safety considerations. Flights in thunderstorms should be avoided, causing delays.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	TM 55-1520-236-10, Para 8-50, Aug 1994 AR95-1, Para 5-2d(3), May 1990										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	34	System Name	AH-1F		Rule 1 #	33	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?			N			
Parameter 1 #	11	Old Param. 1 ID	hail		New Param. 1 ID	Hail		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	1		New Value 1	yes		Changed Value 1?		Y			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	=	New Opt. 1	=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Hail		New Condensed Impact	Hail		Changed Condensed Impact?		N			
Old Full Impact	Any occurrence of hail produces hazardous weather conditions and reduces operational capabilities.										
New Full Impact	Any occurrence of hail produces hazardous weather conditions and reduces operational capabilities.										
										Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	FM 1-230, Para 12-7, Sep 1982										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA System Rules

ID #	35	System Name	AH-1F		Rule 1 #	56	Rule 2 #		Delete Rule?	N		
Old Color	2	New Color	1		Changed Color?			Y				
Parameter 1 #	10	Old Param. 1 ID	freezingrain	New Param. 1 ID	Freezing Rain		Changed Param. 1?	N				
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID			Changed Param. 2?					
Old Value 1	0		New Value 1	None		Changed Value1?	Y					
Old Value 2			New Value 2			Changed Value 2?						
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Freezing Rain		New Condensed Impact	Freezing Rain		Changed Condensed Impact?	N					
Old Full Impact	Any occurrence of freezing rain delays mission launch because exposed aircraft must be deiced.											
New Full Impact	Any occurrence of freezing rain delays mission launch because exposed aircraft must be deiced.											
Changed Full Impact?											N	
Old Source	(1st Cavalry Division, 1992);											
New Source/Reason for Delete	TM 55-1520-236-10, Para 8-47a, Aug 1994											
Comments	Note: Delays-not cancels 1 versus 2											
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y			

ID #	36	System Name	AH-1F		Rule 1 #	60	Rule 2 #		Delete Rule?	N		
Old Color	1	New Color	1		Changed Color?			N				
Parameter 1 #	17	Old Param. 1 ID	snow	New Param. 1 ID	Snow		Changed Param. 1?	N				
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID			Changed Param. 2?					
Old Value 1	0		New Value 1	None		Changed Value1?	Y					
Old Value 2			New Value 2			Changed Value 2?						
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Snow		New Condensed Impact	Snow		Changed Condensed Impact?	N					
Old Full Impact	Any occurrence of snowfall produces hazardous weather conditions and reduces operational capabilities.											
New Full Impact	Any occurrence of snowfall produces hazardous weather conditions, reduces visibility and makes hovering and landing difficult.											
Changed Full Impact?											Y	
Old Source	(1st Cavalry Division, 1992);											
New Source/Reason for Delete	TM 55-1520-236-10, Para 8-47, Aug 1994											
Comments												
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y			

IWEDA System Rules

ID #	37	System Name	AH-1F		Rule 1 #	61	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?			N			
Parameter 1 #	2	Old Param. 1 ID	blowingsnow		New Param. 1 ID	Blowing Snow		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	1		New Value 1	Yes		Changed Value 1?		Y			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	=	New Opt. 1	=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Blowing Snow		New Condensed Impact	Blowing Snow		Changed Condensed Impact?		N			
Old Full Impact	Any occurrence of blowing snow reduces visibility and will make hovering and landing difficult.										
New Full Impact	Any occurrence of blowing snow reduces visibility and will make hovering and landing difficult.										
										Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	TM 55-1520-236-10, Para 8-77, Aug 1994										
Comments											
Changed Source?	Y	Are There Any (2) Options?			N	Any Change to Record?			Y		

ID #	38	System Name	AH-1F		Rule 1 #	62	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?			N			
Parameter 1 #	1	Old Param. 1 ID	blowingsand		New Param. 1 ID	Blowing Sand		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	1		New Value 1	Yes		Changed Value 1?		Y			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	=	New Opt. 1	=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Blowing Sand		New Condensed Impact	Blowing Sand		Changed Condensed Impact?		N			
Old Full Impact	Any occurrence of blowing sand reduces visibility and will make hovering and landing difficult.										
New Full Impact	Any occurrence of blowing sand reduces visibility and will make hovering and landing difficult.										
										Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	TM 55-1520-236-10, Para 8-79, Aug 1994 FM 1-202, Para 2-3b, 2-6, Feb 1983										
Comments											
Changed Source?	Y	Are There Any (2) Options?			N	Any Change to Record?			Y		

IWEDA System Rules

ID #	39	System Name	AH-1F		Rule 1 #	63	Rule 2 #		Delete Rule?	N					
Old Color	2	New Color	2		Changed Color?						N				
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed		New Param. 1 ID	Surface Wind Speed		Changed Param. 1?	N						
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?							
Old Value 1	30		New Value 1	30 kts.		Changed Value1?	N								
Old Value 2			New Value 2			Changed Value 2?									
Old Operator 1	>=		New Opt. 1	>		Changed Opt. 1?	Y		Old Opt. 2		New Opt. 2		Changed Opt. 2?		
Old Condensed Impact	Surface Wind		New Condensed Impact	Surface Wind		Changed Condensed Impact?	N								
Old Full Impact	Surface wind speed > 30 kts during engine start/shutdown may cause the rotor blades to contact the fuselage.														
New Full Impact	Helicopter should not be started in surface winds > 30 kts.														
												Changed Full Impact?	Y		
Old Source	(1st Cavalry Division, 1992);														
New Source/ Reason for Delete	TM 55-1520-236-10, Para 5-66, Sep 1996														
Comments															
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y						

ID #	40	System Name	AH-1F		Rule 1 #	67	Rule 2 #		Delete Rule?	Y					
Old Color	1	New Color			Changed Color?										
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed		New Param. 1 ID			Changed Param. 1?							
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?							
Old Value 1	20		New Value 1			Changed Value1?									
Old Value 2			New Value 2			Changed Value 2?									
Old Operator 1	>=		New Opt. 1			Changed Opt. 1?			Old Opt. 2		New Opt. 2		Changed Opt. 2?		
Old Condensed Impact	Surface Wind		New Condensed Impact			Changed Condensed Impact?									
Old Full Impact	Surface wind speed > 20 kts impacts the ability to start and shut down aircraft.														
New Full Impact															
												Changed Full Impact?			
Old Source	(1st Cavalry Division, 1992);														
New Source/ Reason for Delete	Delete Rule: Not significant, replaced by rule ID# 39														
Comments															
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y						

IWEDA System Rules

ID #	41	System Name	AH-1F		Rule 1 #	75	Rule 2 #		Delete Rule?	☒			
Old Color	2	New Color			Changed Color?						☐		
Parameter 1 #	20	Old Param. 1 ID	surfacewindgust		New Param. 1 ID			Changed Param. 1?	☐				
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?	☐				
Old Value 1	30		New Value 1			Changed Value1?	☐						
Old Value 2			New Value 2			Changed Value 2?	☐						
Old Operator 1	>=	New Opt. 1			Changed Opt. 1?	☐		Old Opt. 2		New Opt. 2		Changed Opt. 2?	☐
Old Condensed Impact	Gust		New Condensed Impact			Changed Condensed Impact?	☐						
Old Full Impact	Surface wind gust >= 30 kts exceeds the system limits to start engines.												
New Full Impact													
											Changed Full Impact?	☐	
Old Source	(1st Cavalry Division, 1992);												
New Source/Reason for Delete	Delete Rule, Redundant rule, See ID# 39												
Comments													
Changed Source?	☒	Are There Any (2) Options?	☒		Any Change to Record?	☒							

ID #	42	System Name	AH-1F		Rule 1 #	76	Rule 2 #		Delete Rule?	☒			
Old Color	1	New Color	1		Changed Color?						☒		
Parameter 1 #	12	Old Param. 1 ID	icingintensity		New Param. 1 ID	Icing Intensity		Changed Param. 1?	☒				
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?	☐				
Old Value 1	0		New Value 1	None		Changed Value1?	☒						
Old Value 2			New Value 2			Changed Value 2?	☐						
Old Operator 1	>	New Opt. 1	>		Changed Opt. 1?	☒		Old Opt. 2		New Opt. 2		Changed Opt. 2?	☐
Old Condensed Impact	Icing Aloft		New Condensed Impact	Icing Aloft		Changed Condensed Impact?	☒						
Old Full Impact	Upper level icing intensity > none may degrade performance.												
New Full Impact	Upper-level icing intensity > none may degrade performance if the aircraft is flying between (~ icing base) and (~ icing tops) feet AGL.												
											Changed Full Impact?	☒	
Old Source	(1st Cavalry Division, 1992);												
New Source/Reason for Delete	TM 55-1520-236-10, Para 8-51 and 8-81 see second paragraph of caution, Aug 1994												
Comments													
Changed Source?	☒	Are There Any (2) Options?	☒		Any Change to Record?	☒							

IWEDA System Rules

ID #	43	System Name	AH-1F		Rule 1 #	77	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2		Changed Color?			N			
Parameter 1 #	12	Old Param. 1 ID	icingintensity		New Param. 1 ID	Icing Intensity		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	1		New Value 1	Light		Changed Value1?		Y			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>		New Opt. 1	>		Changed Opt. 1?	N		Old Opt. 2		
			New Opt. 2			Changed Opt. 2?					
Old Condensed Impact	Icing Aloft		New Condensed Impact	Icing Aloft		Changed Condensed Impact?		N			
Old Full Impact	IAW AR95-1, aircraft cannot fly into areas of icing intensity > light.										
New Full Impact	Intentional flight into known or forecast icing < Severe is prohibited unless aircraft is equipped with adequate deicing or anti-icing equipment if flight level is between (~ icing base) and (~ icing tops).										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	AR 95-1, Para 5-2d(1), May 1990										
Comments											
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

ID #	44	System Name	AH-1F		Rule 1 #	79	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?			N			
Parameter 1 #	24	Old Param. 1 ID	turbulenceintensity		New Param. 1 ID	Turbulence Intensity		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	1		New Value 1	Light		Changed Value1?		Y			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>		New Opt. 1	>		Changed Opt. 1?	N		Old Opt. 2		
			New Opt. 2			Changed Opt. 2?					
Old Condensed Impact	Turbulence Aloft		New Condensed Impact	Turbulence Aloft		Changed Condensed Impact?		N			
Old Full Impact	Upper-level turbulence > light intensity degrades flying safety.										
New Full Impact	Upper-level turbulence > light intensity degrades flying safety if the aircraft is flying between (~ turbulence base) and (~ turbulence tops) feet AGL.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	TM 55-1520-236-10, Para 8-50, Aug 1994										
Comments											
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

IWEDA System Rules

ID #	45	System Name	AH-1F		Rule 1 #	80	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2		Changed Color?			N			
Parameter 1 #	24	Old Param. 1 ID	turbulenceintensity		New Param. 1 ID	Turbulence Intensity		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	2		New Value 1	Moderate		Changed Value1?	Y				
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Turbulence Aloft		New Condensed Impact	Severe Turbulence Aloft		Changed Condensed Impact?	Y				
Old Full Impact	Upper-level turbulence > moderate intensity exceeds the operating limits.										
New Full Impact	Aircraft will not be intentionally flown into forecast severe turbulence if flight level is between (~ turbulence base) and (~ turbulence tops).										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	AR 95-1, Para 5-2d(2), May 1990										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	46	System Name	AH-1F		Rule 1 #	85	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?			N			
Parameter 1 #	13	Old Param. 1 ID	pressurealtitude		New Param. 1 ID	Pressure Altitude		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	5000		New Value 1	5000 ft.		Changed Value1?	N				
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Pressure Altitude		New Condensed Impact	High Pressure Altitude		Changed Condensed Impact?	Y				
Old Full Impact	Operating performance of rotary wing aircraft is decreased when operating at pressure altitudes > 5000 ft.										
New Full Impact	Operating performance of rotary wing aircraft is decreased when operating at pressure altitudes > 5000 ft.										
										Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	TM 55-1520-236-10, Chapter 7, Sep 1996 FM 1-230, Para 5-8, Sep 1982										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA System Rules

ID #	47	System Name	AH-1F		Rule 1 #	86	Rule 2 #		Delete Rule?	☒				
Old Color	2	New Color			Changed Color?						☐			
Parameter 1 #	13	Old Param. 1 ID	pressurealtitude		New Param. 1 ID			Changed Param. 1?	☐					
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?	☐					
Old Value 1	10000		New Value 1			Changed Value1?		☐						
Old Value 2			New Value 2			Changed Value 2?		☐						
Old Operator 1	>	New Opt. 1			Changed Opt. 1?	☐		Old Opt. 2		New Opt. 2		Changed Opt. 2?	☐	
Old Condensed Impact	Pressure Altitude		New Condensed Impact			Changed Condensed Impact?		☐						
Old Full Impact	Operating performance of rotary wing aircraft is significantly decreased when operating at pressure altitudes > 10,000 ft. Actions may be required to reduce payload or fuel to retain lift capability.													
New Full Impact														
											Changed Full Impact?	☐		
Old Source	(1st Cavalry Division, 1992);													
New Source/ Reason for Delete	Delete Rule: This is too restrictive. Pilot has options. Delete as a red condition. It is included in yellow condition (> 5000 ft).													
Comments														
Changed Source?	☒		Are There Any (2) Options?		☒		Any Change to Record?		☒					

ID #	48	System Name	AH-1S		Rule 1 #	7	Rule 2 #		Delete Rule?	☒				
Old Color	1	New Color			Changed Color?						☐			
Parameter 1 #	22	Old Param. 1 ID	temperature		New Param. 1 ID			Changed Param. 1?	☐					
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?	☐					
Old Value 1	-25		New Value 1			Changed Value1?		☐						
Old Value 2			New Value 2			Changed Value 2?		☐						
Old Operator 1	<=	New Opt. 1			Changed Opt. 1?	☐		Old Opt. 2		New Opt. 2		Changed Opt. 2?	☐	
Old Condensed Impact	Cold		New Condensed Impact			Changed Condensed Impact?		☐						
Old Full Impact	Surface temperatures <= -25 F may cause the grease on the main or tail rotor shafts to congeal.													
New Full Impact														
											Changed Full Impact?	☐		
Old Source	(1st Cavalry Division, 1992);													
New Source/ Reason for Delete	Delete Rule: No longer in inventory.													
Comments														
Changed Source?	☒		Are There Any (2) Options?		☒		Any Change to Record?		☒					

IWEDA System Rules

ID #	49	System Name	AH-1S	Rule 1 #	24	Rule 2 #		Delete Rule?	Y	
Old Color	1	New Color				Changed Color?				
Parameter 1 #	22	Old Param. 1 ID	temperature	New Param. 1 ID			Changed Param. 1?			
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID			Changed Param. 2?			
Old Value 1	100		New Value 1			Changed Value1?				
Old Value 2			New Value 2			Changed Value 2?				
Old Operator 1	<input <="" td="" type="text" value=">="/> <td>New Opt. 1</td> <td> </td> <td>Changed Opt. 1?</td> <td> </td> <td>Old Opt. 2</td> <td> </td> <td>New Opt. 2</td> <td> </td>	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2		
Old Condensed Impact	Hot		New Condensed Impact			Changed Condensed Impact?				
Old Full Impact	Temperatures >= 100 F degrade aircraft performance.									
New Full Impact										
									Changed Full Impact?	
Old Source	(1st Cavalry Division, 1992);									
New Source/ Reason for Delete	Delete Rule: No longer in inventory.									
Comments										
Changed Source?	Y	Are There Any (2) Options?		N	Any Change to Record?		Y			

ID #	50	System Name	AH-1S	Rule 1 #	32	Rule 2 #		Delete Rule?	Y	
Old Color	2	New Color				Changed Color?				
Parameter 1 #	23	Old Param. 1 ID	thunderstorm	New Param. 1 ID			Changed Param. 1?			
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID			Changed Param. 2?			
Old Value 1	1		New Value 1			Changed Value1?				
Old Value 2			New Value 2			Changed Value 2?				
Old Operator 1	<input <="" td="" type="text" value="="/> <td>New Opt. 1</td> <td> </td> <td>Changed Opt. 1?</td> <td> </td> <td>Old Opt. 2</td> <td> </td> <td>New Opt. 2</td> <td> </td>	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2		
Old Condensed Impact	Thunderstorm		New Condensed Impact			Changed Condensed Impact?				
Old Full Impact	Any occurrence of thunderstorms curtail aircraft and refueling operations due to safety considerations.									
New Full Impact										
									Changed Full Impact?	
Old Source	(1st Cavalry Division, 1992);									
New Source/ Reason for Delete	Delete Rule: No longer in inventory.									
Comments										
Changed Source?	Y	Are There Any (2) Options?		N	Any Change to Record?		Y			

IWEDA System Rules

ID #	51	System Name	AH-1S		Rule 1 #	33	Rule 2 #		Delete Rule?	☒			
Old Color	1	New Color			Changed Color?						☐		
Parameter 1 #	11	Old Param. 1 ID	hail		New Param. 1 ID			Changed Param. 1?			☐		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			☐		
Old Value 1	1		New Value 1					Changed Value1?			☐		
Old Value 2			New Value 2					Changed Value 2?			☐		
Old Operator 1	=	New Opt. 1			Changed Opt. 1?	☐		Old Opt. 2		New Opt. 2		Changed Opt. 2?	☐
Old Condensed Impact	Hail		New Condensed Impact					Changed Condensed Impact?			☐		
Old Full Impact	Any occurrence of hail produces hazardous weather conditions and reduces operational capabilities.												
New Full Impact													
											Changed Full Impact?	☐	
Old Source	(1st Cavalry Division, 1992);												
New Source/ Reason for Delete	Delete Rule: No longer in inventory.												
Comments													
Changed Source?	☒	Are There Any (2) Options?				☒	Any Change to Record?				☒		

ID #	52	System Name	AH-1S		Rule 1 #	56	Rule 2 #		Delete Rule?	☒			
Old Color	2	New Color			Changed Color?						☐		
Parameter 1 #	10	Old Param. 1 ID	freezingrain		New Param. 1 ID			Changed Param. 1?			☐		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			☐		
Old Value 1	0		New Value 1					Changed Value1?			☐		
Old Value 2			New Value 2					Changed Value 2?			☐		
Old Operator 1	>	New Opt. 1			Changed Opt. 1?	☐		Old Opt. 2		New Opt. 2		Changed Opt. 2?	☐
Old Condensed Impact	Freezing Rain		New Condensed Impact					Changed Condensed Impact?			☐		
Old Full Impact	Any occurrence of freezing rain delays mission launch because exposed aircraft must be deiced.												
New Full Impact													
											Changed Full Impact?	☐	
Old Source	(1st Cavalry Division, 1992);												
New Source/ Reason for Delete	Delete Rule: No longer in inventory.												
Comments													
Changed Source?	☒	Are There Any (2) Options?				☒	Any Change to Record?				☒		

IWEDA System Rules

ID #	53	System Name	AH-1S		Rule 1 #	60	Rule 2 #		Delete Rule?	☒			
Old Color	1	New Color			Changed Color?						☐		
Parameter 1 #	17	Old Param. 1 ID	snow		New Param. 1 ID			Changed Param. 1?			☐		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			☐		
Old Value 1	0		New Value 1					Changed Value 1?			☐		
Old Value 2			New Value 2					Changed Value 2?			☐		
Old Operator 1	>	New Opt. 1			Changed Opt. 1?	☐		Old Opt. 2		New Opt. 2		Changed Opt. 2?	☐
Old Condensed Impact	Snow		New Condensed Impact					Changed Condensed Impact?			☐		
Old Full Impact	Any occurrence of snow produces hazardous weather conditions and reduces operational capabilities.												
New Full Impact													
											Changed Full Impact?	☐	
Old Source	(1st Cavalry Division, 1992);												
New Source/ Reason for Delete	Delete Rule: No longer in inventory.												
Comments													
Changed Source?	☒	Are There Any (2) Options?				☒	Any Change to Record?				☒		

ID #	54	System Name	AH-1S		Rule 1 #	61	Rule 2 #		Delete Rule?	☒			
Old Color	1	New Color			Changed Color?						☐		
Parameter 1 #	2	Old Param. 1 ID	blowingsnow		New Param. 1 ID			Changed Param. 1?			☐		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			☐		
Old Value 1	1		New Value 1					Changed Value 1?			☐		
Old Value 2			New Value 2					Changed Value 2?			☐		
Old Operator 1	=	New Opt. 1			Changed Opt. 1?	☐		Old Opt. 2		New Opt. 2		Changed Opt. 2?	☐
Old Condensed Impact	Blowing Snow		New Condensed Impact					Changed Condensed Impact?			☐		
Old Full Impact	Any occurrence of blowing snow reduces visibility and will make hovering and landing difficult.												
New Full Impact													
											Changed Full Impact?	☐	
Old Source	(1st Cavalry Division, 1992);												
New Source/ Reason for Delete	Delete Rule: No longer in inventory.												
Comments													
Changed Source?	☒	Are There Any (2) Options?				☒	Any Change to Record?				☒		

IWEDA System Rules

ID #	55	System Name	AH-1S		Rule 1 #	62	Rule 2 #		Delete Rule?	Y	
Old Color	1	New Color			Changed Color?						
Parameter 1 #	1	Old Param. 1 ID	blowingsand		New Param. 1 ID			Changed Param. 1?			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	1		New Value 1			Changed Value1?					
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	=	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Blowing Sand		New Condensed Impact			Changed Condensed Impact?					
Old Full Impact	Any occurrence of blowing sand reduces visibility and will make hovering and landing difficult.										
New Full Impact											
										Changed Full Impact?	
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	Delete Rule: No longer in inventory.										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	56	System Name	AH-1S		Rule 1 #	63	Rule 2 #		Delete Rule?	Y	
Old Color	2	New Color			Changed Color?						
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed		New Param. 1 ID			Changed Param. 1?			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	30		New Value 1			Changed Value1?					
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>=	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Surface Wind		New Condensed Impact			Changed Condensed Impact?					
Old Full Impact	Surface wind speed > 30 kts during engine start/shut down may cause the rotor blades to contact the fuselage.										
New Full Impact											
										Changed Full Impact?	
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	Delete Rule: No longer in inventory.										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA System Rules

ID #	57	System Name	AH-1S		Rule 1 #	67	Rule 2 #		Delete Rule?	Y	
Old Color	1	New Color			Changed Color?			☐			
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed		New Param. 1 ID			Changed Param. 1?	☐		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?	☐		
Old Value 1	20		New Value 1			Changed Value1?		☐			
Old Value 2			New Value 2			Changed Value 2?		☐			
Old Operator 1	>=	New Opt. 1			Changed Opt. 1?	☐		Old Opt. 2			
		New Opt. 2			Changed Opt. 2?	☐					
Old Condensed Impact	Surface Wind		New Condensed Impact			Changed Condensed Impact?		☐			
Old Full Impact	Surface wind speed > 20 kts exceeds the ability to start and shut down aircraft safely.										
New Full Impact											
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	Delete Rule: No longer in inventory.										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	58	System Name	AH-1S		Rule 1 #	75	Rule 2 #		Delete Rule?	Y	
Old Color	2	New Color			Changed Color?			☐			
Parameter 1 #	20	Old Param. 1 ID	surfacewindgust		New Param. 1 ID			Changed Param. 1?	☐		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?	☐		
Old Value 1	30		New Value 1			Changed Value1?		☐			
Old Value 2			New Value 2			Changed Value 2?		☐			
Old Operator 1	>=	New Opt. 1			Changed Opt. 1?	☐		Old Opt. 2			
		New Opt. 2			Changed Opt. 2?	☐					
Old Condensed Impact	Gust		New Condensed Impact			Changed Condensed Impact?		☐			
Old Full Impact	Surface wind gust >= 30 kts exceeds the system limits to start engines.										
New Full Impact											
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	Delete Rule: No longer in inventory.										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA System Rules

ID #	59	System Name	AH-1S	Rule 1 #	77	Rule 2 #		Delete Rule?	Y		
Old Color	2	New Color		Changed Color?							
Parameter 1 #	12	Old Param. 1 ID	icingintensity	New Param. 1 ID		Changed Param. 1?					
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?					
Old Value 1	1	New Value 1		Changed Value1?							
Old Value 2		New Value 2		Changed Value 2?							
Old Operator 1	>	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Icing Aloft			New Condensed Impact				Changed Condensed Impact?			
Old Full Impact	IAW AR95-1, aircraft cannot fly into areas of icing intensity > light.										
New Full Impact											
	Changed Full Impact?										
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	Delete Rule: No longer in inventory.										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	60	System Name	AH-1S	Rule 1 #	79	Rule 2 #		Delete Rule?	Y		
Old Color	1	New Color		Changed Color?							
Parameter 1 #	24	Old Param. 1 ID	turbulenceintensity	New Param. 1 ID		Changed Param. 1?					
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?					
Old Value 1	1	New Value 1		Changed Value1?							
Old Value 2		New Value 2		Changed Value 2?							
Old Operator 1	>	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Turbulence Aloft			New Condensed Impact				Changed Condensed Impact?			
Old Full Impact	Moderate upper-level turbulence degrades flying safety.										
New Full Impact											
	Changed Full Impact?										
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	Delete Rule: No longer in inventory.										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA System Rules

ID #	61	System Name	AH-1S		Rule 1 #	80	Rule 2 #		Delete Rule?	☒		
Old Color	2	New Color			Changed Color?						☐	
Parameter 1 #	24	Old Param. 1 ID	turbulenceintensity		New Param. 1 ID			Changed Param. 1?	☐			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?	☐			
Old Value 1	2		New Value 1			Changed Value 1?		☐				
Old Value 2			New Value 2			Changed Value 2?		☐				
Old Operator 1	>	New Opt. 1		Changed Opt. 1?	☐	Old Opt. 2		New Opt. 2		Changed Opt. 2?	☐	
Old Condensed Impact	Turbulence Aloft		New Condensed Impact			Changed Condensed Impact?		☐				
Old Full Impact	Upper-level turbulence > moderate intensity exceeds the operating limits.											
New Full Impact												
											Changed Full Impact?	☐
Old Source	(1st Cavalry Division, 1992);											
New Source/Reason for Delete	Delete Rule: No longer in inventory.											
Comments												
Changed Source?	☒	Are There Any (2) Options?	☒	Any Change to Record?				☒				

ID #	62	System Name	AH-1S		Rule 1 #	85	Rule 2 #		Delete Rule?	☒		
Old Color	1	New Color			Changed Color?						☐	
Parameter 1 #	13	Old Param. 1 ID	pressurealtitude		New Param. 1 ID			Changed Param. 1?	☐			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?	☐			
Old Value 1	5000		New Value 1			Changed Value 1?		☐				
Old Value 2			New Value 2			Changed Value 2?		☐				
Old Operator 1	>	New Opt. 1		Changed Opt. 1?	☐	Old Opt. 2		New Opt. 2		Changed Opt. 2?	☐	
Old Condensed Impact	Pressure Altitude		New Condensed Impact			Changed Condensed Impact?		☐				
Old Full Impact	Operating performance of rotary wing aircraft is decreased when operating at pressure altitudes > 5000 ft.											
New Full Impact												
											Changed Full Impact?	☐
Old Source	(1st Cavalry Division, 1992);											
New Source/Reason for Delete	Delete Rule: No longer in inventory.											
Comments												
Changed Source?	☒	Are There Any (2) Options?	☒	Any Change to Record?				☒				

IWEDA System Rules

ID #	63	System Name	AH-1S		Rule 1 #	86	Rule 2 #		Delete Rule?	Y	
Old Color	2	New Color			Changed Color?						
Parameter 1 #	13	Old Param. 1 ID	pressurealtitude		New Param. 1 ID			Changed Param. 1?			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	10000		New Value 1			Changed Value1?					
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Pressure Altitude		New Condensed Impact			Changed Condensed Impact?					
Old Full Impact	Operating performance of rotary wing aircraft is significantly decreased when operating at pressure altitudes > 10,000 ft. Actions may be required to reduce payload or fuel to retain lift capability.										
New Full Impact											
										Changed Full Impact?	
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	Delete Rule: No longer in inventory.										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	64	System Name	AH-64		Rule 1 #	7	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?	N					
Parameter 1 #	22	Old Param. 1 ID	temperature		New Param. 1 ID	Temperature		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	-25		New Value 1	- 25 F		Changed Value1?	N				
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	<=	New Opt. 1	<=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Cold		New Condensed Impact	Extreme Cold		Changed Condensed Impact?	Y				
Old Full Impact	Surface temperatures <= -25 F may cause the grease on the main or tail rotor shafts to congeal.										
New Full Impact	Surface temperatures <= -25 F require special handling of elastomeric material in the main and/or tail rotor shafts.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	TM 55-1520-238-10, Para 8-84d "caution", 8-84e "elastomeric material", Nov 1992										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA System Rules

ID #	65	System Name	AH-64		Rule 1 #	24	Rule 2 #		Delete Rule?	N					
Old Color	1	New Color	1		Changed Color?						N				
Parameter 1 #	22	Old Param. 1 ID	temperature		New Param. 1 ID	Temperature		Changed Param. 1?	N						
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?							
Old Value 1	100		New Value 1	100 F		Changed Value1?	N								
Old Value 2			New Value 2			Changed Value 2?									
Old Operator 1	>=		New Opt. 1	>=		Changed Opt. 1?	N		Old Opt. 2		New Opt. 2		Changed Opt. 2?		
Old Condensed Impact	Hot		New Condensed Impact	Very Hot		Changed Condensed Impact?	Y								
Old Full Impact	Temperatures >= 100 F degrade aircraft performance.														
New Full Impact	Temperatures >= 100 F degrade aircraft performance.														
												Changed Full Impact?	N		
Old Source	(1st Cavalry Division, 1992);														
New Source/ Reason for Delete	TM 55-1520-238-10, Para 8-95 Change 1, Nov 1992														
Comments															
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y						

ID #	66	System Name	AH-64		Rule 1 #	32	Rule 2 #		Delete Rule?	N					
Old Color	2	New Color	1		Changed Color?						Y				
Parameter 1 #	23	Old Param. 1 ID	thunderstorm		New Param. 1 ID	Thunderstorm		Changed Param. 1?	N						
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?							
Old Value 1	1		New Value 1	yes		Changed Value1?	Y								
Old Value 2			New Value 2			Changed Value 2?									
Old Operator 1	=		New Opt. 1	=		Changed Opt. 1?	N		Old Opt. 2		New Opt. 2		Changed Opt. 2?		
Old Condensed Impact	Thunderstorm		New Condensed Impact	Thunderstorm		Changed Condensed Impact?	N								
Old Full Impact	Any occurrence of thunderstorms curtail aircraft and refueling operations due to safely considerations.														
New Full Impact	Flights in thunderstorms should be avoided, causing delays.														
												Changed Full Impact?	Y		
Old Source	(1st Cavalry Division, 1992);														
New Source/ Reason for Delete	AR 95-1, Para 5-2d(3), May 1990														
Comments															
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y						

IWEDA System Rules

ID #	67	System Name	AH-64		Rule 1 #	33	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?			N			
Parameter 1 #	11	Old Param. 1 ID	hail		New Param. 1 ID	Hail		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	1		New Value 1	Yes		Changed Value1?		Y			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	=	New Opt. 1	=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Hail		New Condensed Impact	Hail		Changed Condensed Impact?		N			
Old Full Impact	Any occurrence of hail produces hazardous weather conditions and reduces operational capabilities.										
New Full Impact	Any occurrence of hail produces hazardous weather conditions and reduces operational capabilities.										
										Changed Full Impact?	
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	FM 1-230, Para 12-7, Sep 1982										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	68	System Name	AH-64		Rule 1 #	56	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	1		Changed Color?			Y			
Parameter 1 #	10	Old Param. 1 ID	freezingrain		New Param. 1 ID	Freezing Rain		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	0		New Value 1	None		Changed Value1?		Y			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Freezing Rain		New Condensed Impact	Freezing Rain		Changed Condensed Impact?		N			
Old Full Impact	Any occurrence of freezing rain delays mission launch because exposed aircraft must be deiced.										
New Full Impact	Any occurrence of freezing rain delays mission launch because exposed aircraft must be deiced.										
										Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	TM 55-1520-238-10, Para 8-83, 8-84, Nov 92										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA System Rules

ID #	69	System Name	AH-64		Rule 1 #	60	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?			N			
Parameter 1 #	17	Old Param. 1 ID	snow		New Param. 1 ID	Snow		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	0		New Value 1	None		Changed Value1?		Y			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Snow		New Condensed Impact	Light Snow		Changed Condensed Impact?		Y			
Old Full Impact	Any occurrence of snowfall produces hazardous weather conditions and reduces operational capabilities.										
New Full Impact	Any occurrence of snowfall produces hazardous weather conditions and reduces operational capabilities.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	TM 55-1520-238-10, Para 8-83, 8-84, Nov 92										
Comments											
Changed Source?	Y	Are There Any (2) Options?			N	Any Change to Record?			Y		

ID #	70	System Name	AH-64		Rule 1 #	62	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?			N			
Parameter 1 #	1	Old Param. 1 ID	blowingsand		New Param. 1 ID	Blowing Sand		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	1		New Value 1	Yes		Changed Value1?		Y			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	=	New Opt. 1	=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Blowing Sand		New Condensed Impact	Blowing Sand		Changed Condensed Impact?		N			
Old Full Impact	Any occurrence of blowing sand reduces visibility and will make hovering and landing difficult.										
New Full Impact	Any occurrence of blowing sand reduces visibility and will make hovering and landing difficult.										
										Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	FM 1-202, Para 2-3b, 2-6, Feb 1983										
Comments											
Changed Source?	Y	Are There Any (2) Options?			N	Any Change to Record?			Y		

IWEDA System Rules

ID #	71	System Name	AH-64	Rule 1 #	63	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1				Changed Color?	N		
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed	New Param. 1 ID	Surface Winds			Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?		
Old Value 1	30	New Value 1	45 kts.			Changed Value1?	Y			
Old Value 2		New Value 2				Changed Value 2?				
Old Operator 1	>=	New Opt. 1	>	Changed Opt. 1?	Y	Old Opt. 2		New Opt. 2		
Old Condensed Impact	Surface Wind		New Condensed Impact	Strong Surface Wind				Changed Condensed Impact?	Y	
Old Full Impact	Surface wind speed > 30 kts impacts the ability to operate safely at NOE altitudes.									
New Full Impact	Surface winds > 45 kts. may impact ground operations, rotors should not be started/stopped.									
									Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);									
New Source/ Reason for Delete	TM 1-1520-238-10, Para 8.43, Sep 1996									
Comments										
Changed Source?	Y	Are There Any (2) Options?			N	Any Change to Record?			Y	

ID #	72	System Name	AH-64	Rule 1 #	68	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2				Changed Color?	N		
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed	New Param. 1 ID	Surface Wind Speed			Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?		
Old Value 1	45	New Value 1	45 kts.			Changed Value1?	N			
Old Value 2		New Value 2				Changed Value 2?				
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		
Old Condensed Impact	Surface Wind		New Condensed Impact	Strong Surface Wind				Changed Condensed Impact?	Y	
Old Full Impact	Surface wind speed >= 45 kts exceeds the system operatin limits to start engines.									
New Full Impact	Surface wind speed >= 45 kts exceeds the system operating limits to start engines.									
									Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);									
New Source/ Reason for Delete	TM 55-1520-238-10, Para 8-58, Nov 1992									
Comments										
Changed Source?	Y	Are There Any (2) Options?			N	Any Change to Record?			Y	

IWEDA System Rules

ID #	73	System Name	AH-64		Rule 1 #	77	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?			N			
Parameter 1 #	12	Old Param. 1 ID	icingintensity		New Param. 1 ID	Icing Intensity		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	1		New Value 1	Light		Changed Value1?		Y			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Icing Aloft		New Condensed Impact	Icing Aloft		Changed Condensed Impact?		N			
Old Full Impact	Upper-level icing intensity > light may degrade performance.										
New Full Impact	Upper-level icing intensity > light may degrade performance if the aircraft is flying between (~ icing base) & (~ icing tops) feet AGL. Must have ice detector sensing head.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	TM 55-1520-238-10, Para 8-60, 5-23, Nov 1992										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	74	System Name	AH-64		Rule 1 #	78	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2		Changed Color?			N			
Parameter 1 #	12	Old Param. 1 ID	icingintensity		New Param. 1 ID	Icing Intensity		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	2		New Value 1	Moderate		Changed Value1?		Y			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Icing Aloft		New Condensed Impact	Severe Icing Aloft		Changed Condensed Impact?		Y			
Old Full Impact	IAW AR95-1, aircraft cannot fly into areas of icing intensity > moderate.										
New Full Impact	Aircraft cannot fly into areas of known or forecast upper level icing > moderate intensity at flight levels between (~ icing base) and (~ icing tops) feet AGL										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	TM 55-1520-238-10, Para 5-23, Nov 1992										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA System Rules

ID #	75	System Name	AH-64		Rule 1 #	79	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?			N			
Parameter 1 #	24	Old Param. 1 ID	turbulenceintensity		New Param. 1 ID	Turbulence Intensity		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	1		New Value 1	Light		Changed Value1?	Y				
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>		New Opt. 1	>		Changed Opt. 1?	N		Old Opt. 2		
			New Opt. 2			Changed Opt. 2?					
Old Condensed Impact	Turbulence Aloft		New Condensed Impact	Moderate Turbulence Aloft		Changed Condensed Impact?	Y				
Old Full Impact	Upper-level turbulence > light intensity degrades flying safety.										
New Full Impact	Upper-level turbulence > Light intensity degrades flying safety if the aircraft is flying between (~ turbulence base) & (~ turbulence tops) feet AGL. Speed must be reduce below 150 kts.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	TM 55-1520-238-10, Para 8-59, Nov 1992										
Comments											
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

ID #	76	System Name	AH-64		Rule 1 #	80	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2		Changed Color?			N			
Parameter 1 #	24	Old Param. 1 ID	turbulenceintensity		New Param. 1 ID	Turbulence Intensity		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	2		New Value 1	Moderate		Changed Value1?	Y				
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>		New Opt. 1	>		Changed Opt. 1?	N		Old Opt. 2		
			New Opt. 2			Changed Opt. 2?					
Old Condensed Impact	Turbulence Aloft		New Condensed Impact	Severe Turbulence Aloft		Changed Condensed Impact?	Y				
Old Full Impact	Upper-level turbulence > moderate intensity exceeds the operating limits.										
New Full Impact	Aircraft will not be intentionally flown into forecast severe turbulence if flight level is between (~ turbulence base) & (~ turbulence tops). Intentional flight into extreme turbulence is prohibited.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	AR 95-1, Para 5-2d(2), May 1990 TM 55-1520-238-10, Para 5-18.1, Nov 1992										
Comments											
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

IWEDA System Rules

ID #	77	System Name	AH-64		Rule 1 #	83	Rule 2 #		Delete Rule?	Y	
Old Color	1	New Color			Changed Color?						
Parameter 1 #	25	Old Param. 1 ID	upperairwindspeed		New Param. 1 ID			Changed Param. 1?			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	17		New Value 1			Changed Value1?					
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>=	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Winds Aloft		New Condensed Impact			Changed Condensed Impact?					
Old Full Impact	Upper-level wind speed >= 17 kts at flight level makes target acquisition difficult because of the increased time needed to acquire targets.										
New Full Impact											
										Changed Full Impact?	
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	Delete Rule: Not significant.										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	78	System Name	AH-64		Rule 1 #	85	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?	N					
Parameter 1 #	13	Old Param. 1 ID	pressurealtitude		New Param. 1 ID	Pressure Altitude		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	5000		New Value 1	5000 ft.		Changed Value1?	N				
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Pressure Altitude		New Condensed Impact	High Pressure Altitude		Changed Condensed Impact?	Y				
Old Full Impact	Operating performance of rotary wing aircraft is decreased when operating at pressure altitudes > 5000 ft.										
New Full Impact	Operating performance of rotary wing aircraft may be decreased when operating at pressure altitudes > 5000 ft.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	TM 1-1520-238-10, Chapter 7, Sep 1996 FM 1-230, Para 5-8, Sep 1982										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA System Rules

ID #	79	System Name	AH-64		Rule 1 #	86	Rule 2 #		Delete Rule?	Y	
Old Color	2	New Color			Changed Color?						
Parameter 1 #	13	Old Param. 1 ID	pressurealtitude		New Param. 1 ID			Changed Param. 1?			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	10000		New Value 1			Changed Value1?					
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Pressure Altitude		New Condensed Impact			Changed Condensed Impact?					
Old Full Impact	Operating performance of rotary wing aircraft is significantly decreased when operating at pressure altitudes > 10,000 ft. Actions may be required to reduce payload or fuel to retain lift capability.										
New Full Impact											
Changed Full Impact?											
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	Delete Rule: This is too restrictive. Pilot has options. Delete as a red condition. It is included in yellow condition (> 5000 ft).										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	80	System Name	AH-64		Rule 1 #	106	Rule 2 #	106	Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?						N
Parameter 1 #	4	Old Param. 1 ID	cloudcover		New Param. 1 ID	Cloud Cover		Changed Param. 1?	N		
Parameter 2 #	3	Old Param. 2 ID	cloudbase		New Param. 2 ID	Cloud Base		Changed Param. 2?	N		
Old Value 1	0		New Value 1	none		Changed Value1?		Y			
Old Value 2	300		New Value 2	300 Ft.		Changed Value 2?		N			
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2	<=	New Opt. 2	<=	Changed Opt. 2?	N
Old Condensed Impact	Clouds		New Condensed Impact	Very Low Clouds		Changed Condensed Impact?		Y			
Old Full Impact	Cloud bases <= 300 ft reduce mobility and effectiveness.										
New Full Impact	Cloud bases <= 300 ft reduce mobility and effectiveness.										
Changed Full Impact?											N
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	Interview with Mr. John Benham, Instructor Pilot, Chief Aviation Applied Technology Directorate, Felker Army Airfield, Ft. Eustis, VA, Aug 1997										
Comments											
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?				Y

IWEDA System Rules

ID #	81	System Name	C-12		Rule 1 #	56	Rule 2 #		Delete Rule?	N					
Old Color	2	New Color	1		Changed Color?						Y				
Parameter 1 #	10	Old Param. 1 ID	freezingrain		New Param. 1 ID	Freezing Rain		Changed Param. 1?	N						
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?							
Old Value 1	0		New Value 1	None		Changed Value1?	Y								
Old Value 2			New Value 2			Changed Value 2?									
Old Operator 1	>		New Opt. 1	>		Changed Opt. 1?	N		Old Opt. 2		New Opt. 2		Changed Opt. 2?		
Old Condensed Impact	Freezing Rain		New Condensed Impact	Freezing Rain		Changed Condensed Impact?	N								
Old Full Impact	Freezing rain may delay mission launch and recovery due to icy runway conditions and deicing of aircraft.														
New Full Impact	Freezing rain > none may lead to delay or cancelation of missions.														
											Changed Full Impact?	Y			
Old Source	(1st Cavalry Division, 1992);														
New Source/Reason for Delete	TM 55-1510-218-10, Para 8-64, Feb 1994														
Comments	TM does not mention intensity.														
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y						

ID #	82	System Name	C-12		Rule 1 #	58	Rule 2 #		Delete Rule?	N					
Old Color	1	New Color	1		Changed Color?						N				
Parameter 1 #	17	Old Param. 1 ID	snow		New Param. 1 ID	Snow		Changed Param. 1?	N						
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?							
Old Value 1	3		New Value 1	Heavy		Changed Value1?	Y								
Old Value 2			New Value 2			Changed Value 2?									
Old Operator 1	=		New Opt. 1	=		Changed Opt. 1?	N		Old Opt. 2		New Opt. 2		Changed Opt. 2?		
Old Condensed Impact	Snow		New Condensed Impact	Heavy Snow		Changed Condensed Impact?	Y								
Old Full Impact	Heavy snow delays mission launch and recovery due to low ceilings and visibilities.														
New Full Impact	Heavy snow delays mission launch and recovery due to low ceilings and visibilities.														
											Changed Full Impact?	N			
Old Source	(1st Cavalry Division, 1992);														
New Source/Reason for Delete	AR 95-1, Para 5-2d(5), May 1990														
Comments															
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y						

IWEDA System Rules

ID #	83	System Name	C-12	Rule 1 #	66	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1	Changed Color?			N			
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed	New Param. 1 ID	Surface Wind Speed		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID			Changed Param. 2?			
Old Value 1	25		New Value 1	25 kts.		Changed Value1?	N			
Old Value 2			New Value 2			Changed Value 2?				
Old Operator 1	>=	New Opt. 1	>	Changed Opt. 1?	Y	Old Opt. 2		New Opt. 2		
Old Condensed Impact	Surface Wind		New Condensed Impact	Surface Wind		Changed Condensed Impact?	N			
Old Full Impact	Surface winds > 25 kts degrade aircraft ability to take off and land safely.									
New Full Impact	Surface winds > 25 kts may degrade aircraft ability to take off and land safely.									
									Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);									
New Source/ Reason for Delete	TM 55-1510-218-10, Para 8-33, Dec 1994 Interview with Mr. John Benham, Instructor Pilot, Chief Aviation Applied Technology Directorate, Felker Army Airfield, Ft. Eustis, VA, Aug 1997									
Comments										
Changed Source?	Y	Are There Any (2) Options?			N	Any Change to Record?			Y	

ID #	84	System Name	C-12	Rule 1 #	68	Rule 2 #		Delete Rule?	Y	
Old Color	2	New Color		Changed Color?						
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed	New Param. 1 ID			Changed Param. 1?			
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID			Changed Param. 2?			
Old Value 1	45		New Value 1	45 kts.		Changed Value1?				
Old Value 2			New Value 2			Changed Value 2?				
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?		Old Opt. 2		New Opt. 2		
Old Condensed Impact	Surface Wind		New Condensed Impact			Changed Condensed Impact?				
Old Full Impact	Surface winds > 45 kts exceed aircraft ability to take off and land safely.									
New Full Impact										
									Changed Full Impact?	
Old Source	(1st Cavalry Division, 1992);									
New Source/ Reason for Delete	Delete Rule: No longer in TM. Included in rule ID# 83									
Comments										
Changed Source?	Y	Are There Any (2) Options?			N	Any Change to Record?			Y	

IWEDA System Rules

ID #	85	System Name	C-12		Rule 1 #	78	Rule 2 #		Delete Rule?	N				
Old Color	2	New Color	1		Changed Color?						Y			
Parameter 1 #	12	Old Param. 1 ID	icingintensity		New Param. 1 ID	Icing Intensity		Changed Param. 1?			N			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?						
Old Value 1	2		New Value 1	Moderate				Changed Value1?		Y				
Old Value 2			New Value 2					Changed Value 2?						
Old Operator 1	>		New Opt. 1	>		Changed Opt. 1?	N		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Icing Aloft		New Condensed Impact	Severe Icing Aloft				Changed Condensed Impact?		Y				
Old Full Impact	Icing aloft > moderate creates conditions which exceed aircraft ability to fly safely, even with anit-icing and deicing systems engaged.													
New Full Impact	Icing > moderate intensity forecast between (~ icing base) & (~ icing tops) feet AGL creates conditions which exceed aircraft ability to fly safely, even with anit-icing and deicing systems engaged.													
											Changed Full Impact?	Y		
Old Source	(1st Cavalry Division, 1992);													
New Source/ Reason for Delete	TM 55-1510-218-10, Para 8-64, Feb 1994													
Comments														
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y					

ID #	86	System Name	C-12		Rule 1 #	79	Rule 2 #		Delete Rule?	Y				
Old Color	1	New Color			Changed Color?									
Parameter 1 #	24	Old Param. 1 ID	turbulenceintensity		New Param. 1 ID			Changed Param. 1?						
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?						
Old Value 1	1		New Value 1					Changed Value1?						
Old Value 2			New Value 2					Changed Value 2?						
Old Operator 1	>		New Opt. 1	>		Changed Opt. 1?			Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Turbulence Aloft		New Condensed Impact					Changed Condensed Impact?						
Old Full Impact	Turbulence > light aloft makes the platform unstable and degrades sensor performance.													
New Full Impact														
											Changed Full Impact?			
Old Source	(1st Cavalry Division, 1992);													
New Source/ Reason for Delete	Delete Rule: Included in Rule ID# 87													
Comments														
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y					

IWEDA System Rules

ID #	87	System Name	C-12		Rule 1 #	80	Rule 2 #		Delete Rule?	N
Old Color	2	New Color	1		Changed Color?			Y		
Parameter 1 #	24	Old Param. 1 ID	turbulenceintensity		New Param. 1 ID	Turbulence Intensity		Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?		
Old Value 1	2		New Value 1	Moderate		Changed Value1?		Y		
Old Value 2			New Value 2			Changed Value 2?				
Old Operator 1	>		New Opt. 1	>		Changed Opt. 1?	N		Old Opt. 2	
Old Condensed Impact	Turbulence Aloft		New Condensed Impact	Severe Turbulence Aloft		Changed Condensed Impact?		Y		
Old Full Impact	Turbulence > moderate aloft makes the platform very unstable, severely degrades sensor performance, and creates unsafe conditions for flight.									
New Full Impact	Areas of > moderate turbulence forecast between (~ turbulence base) & (~ turbulence tops) feet AGL should be avoided since it makes control of the aircraft difficult & delays mission completion due to decreased air speed.									
Changed Full Impact?										Y
Old Source	(1st Cavalry Division, 1992);									
New Source/ Reason for Delete	TM 55-1510-218-10, Para 8-63, Feb 1994									
Comments										
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y	

ID #	88	System Name	CH-47D		Rule 1 #	7	Rule 2 #		Delete Rule?	N
Old Color	1	New Color	1		Changed Color?			N		
Parameter 1 #	22	Old Param. 1 ID	temperature		New Param. 1 ID	Temperature		Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?		
Old Value 1	-25		New Value 1	- 25 F		Changed Value1?		N		
Old Value 2			New Value 2			Changed Value 2?				
Old Operator 1	<=		New Opt. 1	<=		Changed Opt. 1?	N		Old Opt. 2	
Old Condensed Impact	Cold		New Condensed Impact	Extreme Cold		Changed Condensed Impact?		Y		
Old Full Impact	Surface temperatures <= -25 F may cause grease on the rotor shafts to congeal.									
New Full Impact	Surface temperatures <= - 25 F require special lubricants.									
Changed Full Impact?										Y
Old Source	(1st Cavalry Division, 1992);									
New Source/ Reason for Delete	TM 55-1520-240-10, Table 2-3 - Note C, Feb 1997									
Comments										
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y	

IWEDA System Rules

ID #	89	System Name	CH-47D		Rule 1 #	32	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	1		Changed Color?					Y	
Parameter 1 #	23	Old Param. 1 ID	thunderstorm		New Param. 1 ID	Thunderstorm		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	1		New Value 1	yes		Changed Value1?		Y			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	=	New Opt. 1	=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Thunderstorm		New Condensed Impact	Thunderstorm		Changed Condensed Impact?		N			
Old Full Impact	Any occurrence of thunderstorms curtail aircraft and refueling operations due to safety considerations.										
New Full Impact	Any occurrence of thunderstorms curtails refueling operations and requires flight away from proximity resulting in delays.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	TM 55-1520-240-10, Para 8-84, Feb 1997										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	90	System Name	CH-47D		Rule 1 #	33	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?					N	
Parameter 1 #	11	Old Param. 1 ID	hail		New Param. 1 ID	Hail		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	1		New Value 1	yes		Changed Value1?		Y			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	=	New Opt. 1	=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Hail		New Condensed Impact	Hail		Changed Condensed Impact?		N			
Old Full Impact	Any occurrence of hail produces hazardous weather conditions and reduces operational capabilities.										
New Full Impact	Any occurrence of hail produces hazardous weather conditions and reduces operational capabilities.										
										Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	FM 1-230, Para 12-7, Sep 1982										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA System Rules

ID #	91	System Name	CH-47D		Rule 1 #	56	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	1		Changed Color?						Y
Parameter 1 #	10	Old Param. 1 ID	freezingrain		New Param. 1 ID	Freezing Rain		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	0		New Value 1	None		Changed Value1?	Y				
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Freezing Rain		New Condensed Impact	Light Freezing Rain		Changed Condensed Impact?	Y				
Old Full Impact	Any occurrence of freezing rain delays mission launch because exposed aircraft must be deiced.										
New Full Impact	Any occurrence of freezing rain delays mission launch because exposed aircraft must be deiced.										
Changed Full Impact?											N
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	TM 55-1520-240-10, Para 5-36, Feb 1997										
Comments	TM only refers to generic freezing rain and does not discuss exceeding aircraft deicing capability.										
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	92	System Name	CH-47D		Rule 1 #	60	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?						N
Parameter 1 #	17	Old Param. 1 ID	snow		New Param. 1 ID	Snow		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	0		New Value 1	None		Changed Value1?	Y				
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Snow		New Condensed Impact	Snow		Changed Condensed Impact?	N				
Old Full Impact	Any occurrence of snowfall produces hazardous weather conditions and reduces operational capabilities.										
New Full Impact	Any occurrence of snowfall produces hazardous weather conditions and reduces operational capabilities.										
Changed Full Impact?											N
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	TM 55-1520-240-10, Para 5-36 & 8-65, Feb 1997										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA System Rules

ID #	93	System Name	CH-47D		Rule 1 #	62	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?			N			
Parameter 1 #	1	Old Param. 1 ID	blowingsand		New Param. 1 ID	Blowing Sand		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	1		New Value 1	Yes		Changed Value1?		Y			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	=	New Opt. 1	=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Blowing Sand		New Condensed Impact	Blowing Sand		Changed Condensed Impact?		N			
Old Full Impact	Any occurrence of blowing sand, dust, or volcanic ash reduces visibility & will make hovering &/or landing difficult. Use of triple hook cargo system may be degraded, scheduled maintenance increased.										
New Full Impact	Any occurrence of blowing sand, dust, or volcanic ash reduces visibility & will make hovering &/or landing difficult. Use of triple hook cargo system may be degraded, scheduled maintenance increased.										
										Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	FM 1-202, Para 2-6, 2-13 thru 2-16, Feb 1983										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	94	System Name	CH-47D		Rule 1 #	68	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2		Changed Color?			N			
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed		New Param. 1 ID	Surface Wind Speed		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	45		New Value 1	45 kts.		Changed Value1?		N			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Surface Wind		New Condensed Impact	Strong Surface Wind		Changed Condensed Impact?		Y			
Old Full Impact	Surface wind speeds > 45 kts exceed the system operating limits to take-off.										
New Full Impact	Surface wind speeds > 45 kts exceed the system operating limits for take-off/hover.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	TM 55-1520-240-10, Para 5-22c, Feb 1997										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA System Rules

ID #	95	System Name	CH-47D	Rule 1 #	76	Rule 2 #		Delete Rule?	N
Old Color	1	New Color	1	Changed Color?				N	
Parameter 1 #	12	Old Param. 1 ID	icingintensity	New Param. 1 ID	Icing Intensity	Changed Param. 1?		N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?			
Old Value 1	0	New Value 1	None	Changed Value1?		Y			
Old Value 2		New Value 2		Changed Value 2?					
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2	
Old Condensed Impact	Icing Aloft	New Condensed Impact	Icing Aloft	Changed Condensed Impact?		N			
Old Full Impact	Upper-level icing intensity > none may degrade performance.								
New Full Impact	Upper-level icing intensity > none may degrade performance if aircraft is flying between (~ icing base) and (~ icing tops) feet AGL.								
				Changed Full Impact?				Y	
Old Source	(1st Cavalry Division, 1992);								
New Source/ Reason for Delete	TM 55-1520-240-10, Para 5-36 & 8-86, Feb 1997								
Comments									
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?		Y

ID #	96	System Name	CH-47D	Rule 1 #	77	Rule 2 #		Delete Rule?	N
Old Color	2	New Color	2	Changed Color?				N	
Parameter 1 #	12	Old Param. 1 ID	icingintensity	New Param. 1 ID	Icing Intensity	Changed Param. 1?		N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?			
Old Value 1	1	New Value 1	Light	Changed Value1?		Y			
Old Value 2		New Value 2		Changed Value 2?					
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2	
Old Condensed Impact	Icing Aloft	New Condensed Impact	Icing Aloft	Changed Condensed Impact?		N			
Old Full Impact	IAW AR 95-1, aircraft cannot fly into areas of icing intensity > light.								
New Full Impact	Aircraft cannot fly into areas of icing intensity > light, known or forecast if flight level is between (~ icing base) and (~ icing tops) feet AGL.								
				Changed Full Impact?				Y	
Old Source	(1st Cavalry Division, 1992);								
New Source/ Reason for Delete	AR 95-1, Para 5-2d(1), May 1990								
Comments									
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?		Y

IWEDA System Rules

ID #	97	System Name	CH-47D	Rule 1 #	79	Rule 2 #		Delete Rule?	N
Old Color	1	New Color	1	Changed Color?			N		
Parameter 1 #	24	Old Param. 1 ID	turbulenceintensity	New Param. 1 ID	Turbulence Intensity	Changed Param. 1?		N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?			
Old Value 1	1	New Value 1	Light	Changed Value 1?		Y			
Old Value 2		New Value 2		Changed Value 2?					
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2	
Old Condensed Impact	Turbulence Aloft		New Condensed Impact	Turbulence Aloft		Changed Condensed Impact?		N	
Old Full Impact	Upper-level turbulence > light intensity degrades flying safety.								
New Full Impact	Upper-level turbulence > light intensity degrades flying safety if aircraft is flying between (~ turbulence base) and (~ Turbulence tops) feet AGL.								
						Changed Full Impact?		Y	
Old Source	(1st Cavalry Division, 1992);								
New Source/ Reason for Delete	TM 55-1520-240-10, Para 8-82, Feb 1997								
Comments									
Changed Source?	Y	Are There Any (2) Options?			N	Any Change to Record?			Y

ID #	98	System Name	CH-47D	Rule 1 #	80	Rule 2 #		Delete Rule?	N
Old Color	2	New Color	2	Changed Color?			N		
Parameter 1 #	24	Old Param. 1 ID	turbulenceintensity	New Param. 1 ID	Turbulence Intensity	Changed Param. 1?		N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?			
Old Value 1	2	New Value 1	Moderate	Changed Value 1?		Y			
Old Value 2		New Value 2		Changed Value 2?					
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2	
Old Condensed Impact	Turbulence Aloft		New Condensed Impact	Severe Turbulence Aloft		Changed Condensed Impact?		Y	
Old Full Impact	Upper-level turbulence > moderate intensity exceeds safe operating limits.								
New Full Impact	Upper-level turbulence > moderate intensity exceeds safe operating limits. Aircraft prohibited from flying between (~ turbulence base) and (~ Turbulence tops) feet AGL.								
						Changed Full Impact?		Y	
Old Source	(1st Cavalry Division, 1992);								
New Source/ Reason for Delete	TM 55-1520-240-10, Para 8-82, Feb 1997 AR 95-1, Para 5-2d(2), May 1990								
Comments									
Changed Source?	Y	Are There Any (2) Options?			N	Any Change to Record?			Y

IWEDA System Rules

ID #	99	System Name	CH-47D		Rule 1 #	87	Rule 2 #		Delete Rule?	Y	
Old Color	2	New Color			Changed Color?						
Parameter 1 #	5	Old Param. 1 ID	densityaltitude		New Param. 1 ID			Changed Param. 1?			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	10000		New Value 1			Changed Value1?					
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Density Altitude		New Condensed Impact			Changed Condensed Impact?					
Old Full Impact	Density altitude > 10,000 feet exceeds the maximum payload lift capability.										
New Full Impact											
										Changed Full Impact?	
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	Delete Rule: This is too restrictive. Pilot has options. Delete as a red condition. It is included in yellow condition (> 5000 ft).										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	100	System Name	CH-47D		Rule 1 #	88	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?	N					
Parameter 1 #	5	Old Param. 1 ID	densityaltitude		New Param. 1 ID	Density Altitude		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	5000		New Value 1	5000 ft.		Changed Value1?	N				
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Density Altitude		New Condensed Impact	High Density Altitude		Changed Condensed Impact?	Y				
Old Full Impact	Density altitude > 5000 feet decreases lift capability. Aircraft payload may be reduced.										
New Full Impact	Density altitude > 5000 feet decreases lift capability. Aircraft payload may be reduced.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	TM 55-1520-240-10, Para 8-73, Feb 1997 FM 1-230, Para 5-8, Sep 1982										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA System Rules

ID #	101	System Name	CH-47D		Rule 1 #	106	Rule 2 #	106	Delete Rule?	N							
Old Color	1	New Color	1		Changed Color?						N						
Parameter 1 #	4	Old Param. 1 ID	cloudcover		New Param. 1 ID	Cloud Cover		Changed Param. 1?	N								
Parameter 2 #	3	Old Param. 2 ID	cloudbase		New Param. 2 ID	Cloud Base		Changed Param. 2?	N								
Old Value 1	0		New Value 1	None		Changed Value1?		Y									
Old Value 2	300		New Value 2	300 Ft.		Changed Value 2?		N									
Old Operator 1	>		New Opt. 1	>		Changed Opt. 1?	N		Old Opt. 2	<=		New Opt. 2	<=		Changed Opt. 2?	N	
Old Condensed Impact	Clouds		New Condensed Impact	Very Low Clouds		Changed Condensed Impact?		Y									
Old Full Impact	Cloud base <= 300 feet reduce mobility and effectiveness.																
New Full Impact	Cloud base <= 300 feet reduce mobility and effectiveness.																
Changed Full Impact?																N	
Old Source	(1st Cavalry Division, 1992);																
New Source/Reason for Delete	Interview with Mr. Michael Sloan, CH47 Flight Instructor, Aviation Support Facility, Felker Army Airfield, Ft. Eustis, VA, Aug 1997																
Comments																	
Changed Source?	Y		Are There Any (2) Options?		Y		Any Change to Record?		Y								

ID #	102	System Name	CH-47D		Rule 1 #	112	Rule 2 #	112	Delete Rule?	N							
Old Color	1	New Color	1		Changed Color?						N						
Parameter 1 #	26	Old Param. 1 ID	visibility		New Param. 1 ID	Visibility		Changed Param. 1?	N								
Parameter 2 #	1	Old Param. 2 ID	blowingsand		New Param. 2 ID	Blowing Sand		Changed Param. 2?	N								
Old Value 1	5000		New Value 1	5000 meters		Changed Value1?		N									
Old Value 2	1		New Value 2	Yes		Changed Value 2?		Y									
Old Operator 1	<		New Opt. 1	<		Changed Opt. 1?	N		Old Opt. 2	=		New Opt. 2	=		Changed Opt. 2?	N	
Old Condensed Impact	Blowing Sand and Reduced Visibility		New Condensed Impact	Blowing Sand		Changed Condensed Impact?		Y									
Old Full Impact	Any occurrence of blowing sand and visibility < 3.1 miles (5000 m) reduces the operational distance.																
New Full Impact	Any occurrence of blowing sand and visibility < 3.1 miles (5000 m) reduces the operational distance.																
Changed Full Impact?																N	
Old Source	(1st Cavalry Division, 1992);																
New Source/Reason for Delete	FM 1-202, Para 2-6, 2-13 thru 2-16, Feb 1983																
Comments																	
Changed Source?	Y		Are There Any (2) Options?		Y		Any Change to Record?		Y								

IWEDA System Rules

ID #	103	System Name	CHAPARREL		Rule 1 #	55	Rule 2 #		Delete Rule?	N
Old Color	1	New Color	1		Changed Color?			N		
Parameter 1 #	10	Old Param. 1 ID	freezingrain		New Param. 1 ID	Freezing Rain		Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?		
Old Value 1	1		New Value 1	Light		Changed Value1?		Y		
Old Value 2			New Value 2			Changed Value 2?				
Old Operator 1	>		New Opt. 1	>		Changed Opt. 1?	N		Old Opt. 2	
			New Opt. 2			Changed Opt. 2?				
Old Condensed Impact	Freezing Rain		New Condensed Impact	Freezing Rain		Changed Condensed Impact?		N		
Old Full Impact	Freezing rain > light may freeze the missile to the launcher rails and reduces the overall system effectiveness.									
New Full Impact	Freezing rain > light may freeze the missile to the launcher rails and reduces the overall system effectiveness.									
Changed Full Impact?										N
Old Source	(1st Cavalry Division, 1992);									
New Source/Reason for Delete	FM 34-81-1, Appendix B-6, Dec 1992									
Comments										
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y	

ID #	104	System Name	CHAPARREL		Rule 1 #	57	Rule 2 #		Delete Rule?	Y
Old Color	2	New Color			Changed Color?					
Parameter 1 #	10	Old Param. 1 ID	freezingrain		New Param. 1 ID			Changed Param. 1?		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?		
Old Value 1	2		New Value 1			Changed Value1?				
Old Value 2			New Value 2			Changed Value 2?				
Old Operator 1	>		New Opt. 1			Changed Opt. 1?			Old Opt. 2	
			New Opt. 2			Changed Opt. 2?				
Old Condensed Impact	Freezing Rain		New Condensed Impact			Changed Condensed Impact?				
Old Full Impact	Freezing rain > moderate freezes the missile to the launcher rails and greatly reduces the overall system effectiveness.									
New Full Impact										
Changed Full Impact?										
Old Source	(1st Cavalry Division, 1992);									
New Source/Reason for Delete	Delete Rule: FM 34-81-1, Appendix B-6, Dec 1992, refers only moderate freezing rain and a moderate degradation. Covered by ID# S103									
Comments										
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y	

IWEDA System Rules

ID #	105	System Name	DRAGON		Rule 1 #	23	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2		Changed Color?			N			
Parameter 1 #	22	Old Param. 1 ID	temperature		New Param. 1 ID	Temperature		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	145		New Value 1	145 F		Changed Value1?		N			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>=	New Opt. 1	>=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Hot		New Condensed Impact	Extreme Heat		Changed Condensed Impact?		Y			
Old Full Impact	Temperatures >= 145 F exceed the maximum operating temperature of the system.										
New Full Impact	Temperatures >= 145 F exceed the maximum operating temperature of the system.										
										Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	FM 23-34, Para 4-91, Apr 1990 TM 9-1425-484-10, Mar 1993										
Comments	Also, <= -25 F minimum Temperature, visibility < 1000 m reduces effective range										
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	106	System Name	DRAGON		Rule 1 #	64	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?			N			
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed		New Param. 1 ID	Surface Wind Speed		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	15		New Value 1	15 kts.		Changed Value1?		N			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1	>=	Changed Opt. 1?	Y	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Surface Wind		New Condensed Impact	Surface Wind		Changed Condensed Impact?		N			
Old Full Impact	Surface wind speed >= 15 kts makes target tracking more difficult.										
New Full Impact	Surface wind speed >= 15 kts makes target tracking more difficult.										
										Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	FM 23-34, 4-9, Apr 1990										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA System Rules

ID #	107	System Name	EH-60A		Rule 1 #	15	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	1		Changed Color?			Y			
Parameter 1 #	22	Old Param. 1 ID	temperature		New Param. 1 ID	Minimum Temperature		Changed Param. 1?	Y		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	-29		New Value 1	- 29 F		Changed Value1?		N			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	<=	New Opt. 1	<	Changed Opt. 1?	Y	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Cold		New Condensed Impact	Extreme Cold		Changed Condensed Impact?		Y			
Old Full Impact	Temperatures < -29 F exceed aircraft operating limits with normal service.										
New Full Impact	Temperatures < -29 F exceed aircraft operating limits with normal service.										
										Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	TM 55-1520-237-10, Para 8-45, Aug 1993										
Comments	Amber because the operating expectation would be that special servicing is available for cold weather operations.										
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	108	System Name	EH-60A		Rule 1 #	24	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?			N			
Parameter 1 #	22	Old Param. 1 ID	temperature		New Param. 1 ID	Temperature		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	100		New Value 1	100 F		Changed Value1?		N			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>=	New Opt. 1	>=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Hot		New Condensed Impact	Very Hot		Changed Condensed Impact?		Y			
Old Full Impact	Temperatures >= 100 F degrade aircraft performance.										
New Full Impact	Temperatures >= 100 F degrade aircraft performance.										
										Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	TM 1-1520-237-10, Para 5.30, 5.31, Jun 1996										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA System Rules

ID #	109	System Name	EH-60A		Rule 1 #	32	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?			N			
Parameter 1 #	23	Old Param. 1 ID	thunderstorm		New Param. 1 ID	Thunderstorm		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	1		New Value 1	yes		Changed Value1?	Y				
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	=	New Opt. 1	=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Thunderstorm		New Condensed Impact	Thunderstorm		Changed Condensed Impact?	N				
Old Full Impact	Any occurrence of thunderstorms curtail aircraft and refueling operations due to safely considerations.										
New Full Impact	Intentional flight into thunderstorms is prohibited. Therefore, a delay in completion of a mission may result.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	TM 55-1520-237-10, Para 5-45, Aug 1993										
Comments											
Changed Source?	Y	Are There Any (2) Options?		N	Any Change to Record?		Y				

ID #	110	System Name	EH-60A		Rule 1 #	33	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?			N			
Parameter 1 #	11	Old Param. 1 ID	hail		New Param. 1 ID	Hail		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	1		New Value 1	Yes		Changed Value1?	Y				
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	=	New Opt. 1	=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Hail		New Condensed Impact	Hail		Changed Condensed Impact?	N				
Old Full Impact	Any occurrence of hail produces hazardous weather conditions and reduces operational capabilities.										
New Full Impact	Any occurrence of hail produces hazardous weather conditions and reduces operational capabilities.										
										Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	FM 1-230, Para 12-7, Sep 1982										
Comments											
Changed Source?	Y	Are There Any (2) Options?		N	Any Change to Record?		Y				

IWEDA System Rules

ID #	111	System Name	EH-60A		Rule 1 #	56	Rule 2 #		Delete Rule?	N					
Old Color	2	New Color	1		Changed Color?						Y				
Parameter 1 #	10	Old Param. 1 ID	freezingrain		New Param. 1 ID	Freezing Rain		Changed Param. 1?	N						
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?							
Old Value 1	0		New Value 1	None		Changed Value1?	Y								
Old Value 2			New Value 2			Changed Value 2?									
Old Operator 1	>		New Opt. 1	>		Changed Opt. 1?	N		Old Opt. 2		New Opt. 2		Changed Opt. 2?		
Old Condensed Impact	Freezing Rain		New Condensed Impact	Light Freezing Rain		Changed Condensed Impact?	Y								
Old Full Impact	Any occurrence of freezing rain creates icing conditions potentially unsafe for aircraft operations. Missions may be cancelled or delayed.														
New Full Impact	Any occurrence of freezing rain creates icing conditions potentially unsafe for aircraft operations. Missions may be cancelled or delayed.														
												Changed Full Impact?	N		
Old Source	(1st Cavalry Division, 1992);														
New Source/Reason for Delete	TM 1-1520-237-10, Para 5.28, 8.42, Jun 1996														
Comments															
Changed Source?	Y		Are There Any (2) Options?				N		Any Change to Record?				Y		

ID #	112	System Name	EH-60A		Rule 1 #	63	Rule 2 #		Delete Rule?	N					
Old Color	1	New Color	2		Changed Color?						Y				
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed		New Param. 1 ID	Surface Wind Speed		Changed Param. 1?	N						
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?							
Old Value 1	30		New Value 1	45 kts.		Changed Value1?	Y								
Old Value 2			New Value 2			Changed Value 2?									
Old Operator 1	>=		New Opt. 1	>		Changed Opt. 1?	Y		Old Opt. 2		New Opt. 2		Changed Opt. 2?		
Old Condensed Impact	Surface Wind		New Condensed Impact	Strong Surface Wind		Changed Condensed Impact?	Y								
Old Full Impact	Surface wind speed > 30 kts degrades the ability to safely launch and recover aircraft.														
New Full Impact	When surface wind speed > 45 kts., rotors should not be started or stopped.														
												Changed Full Impact?	Y		
Old Source	(1st Cavalry Division, 1992);														
New Source/Reason for Delete	TM 1-1520-237-10, Para 5.6.1, Jun 1996														
Comments															
Changed Source?	Y		Are There Any (2) Options?				N		Any Change to Record?				Y		

IWEDA System Rules

ID #	113	System Name	EH-60A		Rule 1 #	68	Rule 2 #		Delete Rule?	☒	
Old Color	2	New Color			Changed Color?						☐
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed		New Param. 1 ID			Changed Param. 1?	☐		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?	☐		
Old Value 1	45		New Value 1			Changed Value1?		☐			
Old Value 2			New Value 2			Changed Value 2?		☐			
Old Operator 1	>	New Opt. 1		Changed Opt. 1?	☐	Old Opt. 2		New Opt. 2		Changed Opt. 2?	☐
Old Condensed Impact	Surface Wind		New Condensed Impact			Changed Condensed Impact?		☐			
Old Full Impact	Surface wind speed > 45 kts exceeds the safe operating limits to launch and recover aircraft.										
New Full Impact											
Changed Full Impact?											☐
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	Delete Rule: Replaced by newer reference. See rule ID# 113										
Comments											
Changed Source?	☒	Are There Any (2) Options?		☐	Any Change to Record?		☒				

ID #	114	System Name	EH-60A		Rule 1 #	77	Rule 2 #		Delete Rule?	☐	
Old Color	1	New Color	1		Changed Color?						☐
Parameter 1 #	12	Old Param. 1 ID	icingintensity		New Param. 1 ID	Icing Intensity		Changed Param. 1?	☐		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?	☐		
Old Value 1	1		New Value 1	Trace		Changed Value1?		☒			
Old Value 2			New Value 2			Changed Value 2?		☐			
Old Operator 1	>	New Opt. 1	>=	Changed Opt. 1?	☒	Old Opt. 2		New Opt. 2		Changed Opt. 2?	☐
Old Condensed Impact	Icing Aloft		New Condensed Impact	Icing Aloft		Changed Condensed Impact?		☐			
Old Full Impact	Upper-level icing intensity > light may degrade performance.										
New Full Impact	Flight into icing intensity >= Trace is prohibited unless aircraft is equipped with deice and anti-ice capabilities. If flight level is between (~ Icing base) and (~ Icing tops) feet AGL.										
Changed Full Impact?											☒
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	TM 55-1520-237-10, Para 5-28, Oct 1996										
Comments											
Changed Source?	☒	Are There Any (2) Options?		☐	Any Change to Record?		☒				

IWEDA System Rules

ID #	115	System Name	EH-60A		Rule 1 #	78	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2		Changed Color?					N	
Parameter 1 #	12	Old Param. 1 ID	icingintensity		New Param. 1 ID	Icing Intensity		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	2		New Value 1	Moderate		Changed Value1?	Y				
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Icing Aloft		New Condensed Impact	Severe Icing Aloft		Changed Condensed Impact?	Y				
Old Full Impact	IAW AR 95-1, aircraft cannot fly into areas of icing intensity > moderate.										
New Full Impact	Flight into icing intensity > Moderate is prohibited. If flight level is between (~Icing Base) and (~Icing Top) feet AGL.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	TM 55-1520-237-10, Para 5-28, Oct 1996										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	116	System Name	EH-60A		Rule 1 #	79	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	2		Changed Color?					Y	
Parameter 1 #	24	Old Param. 1 ID	turbulenceintensity		New Param. 1 ID	Turbulence Intensity		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	1		New Value 1	Moderate		Changed Value1?	Y				
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Turbulence Aloft		New Condensed Impact	Severe Turbulence Aloft		Changed Condensed Impact?	Y				
Old Full Impact	Upper-level turbulence > light intensity degrades flying safety.										
New Full Impact	Intentional flight into > moderate turbulence is prohibited. If flight level is between (~ turbulence base) and (~ turbulence top) feet AGL.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	TM 55-1520-237-10, Para 5-33a, Oct 1996										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA System Rules

ID #	117	System Name	EH-60A		Rule 1 #	80	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	1		Changed Color?					Y	
Parameter 1 #	24	Old Param. 1 ID	turbulenceintensity		New Param. 1 ID	Turbulence Intensity		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	2		New Value 1	none		Changed Value1?		Y			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Turbulence Aloft		New Condensed Impact	Turbulence Aloft		Changed Condensed Impact?		N			
Old Full Impact	Upper-level turbulence > moderate intensity exceeds operating limits.										
New Full Impact	Upper level turbulence, > none, will reduce airspeed and delay mission completion. If flight level is between (~turbulence base) and (~turbulence top) feet AGL.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	TM 55-1520-237-10, Para 43-2, Oct 1996										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	118	System Name	EH-60A		Rule 1 #	85	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?					N	
Parameter 1 #	13	Old Param. 1 ID	pressurealtitude		New Param. 1 ID	Pressure Altitude		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	5000		New Value 1	5000 ft.		Changed Value1?		N			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Pressure Altitude		New Condensed Impact	High Pressure Altitude		Changed Condensed Impact?		Y			
Old Full Impact	Operating performance of rotary wing aircraft is decreased when operating at pressure altitudes > 5000 ft.										
New Full Impact	Operating performance of rotary wing aircraft is decreased when operating at pressure altitudes > 5000 ft.										
										Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	TM 1-1520-237-10, Chapter 7, Jun 1996 FM 1-230, Para 5-8, Sep 1982										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA System Rules

ID #	119	System Name	EH-60A		Rule 1 #	86	Rule 2 #		Delete Rule?	☒	
Old Color	2	New Color			Changed Color?						☐
Parameter 1 #	13	Old Param. 1 ID	pressurealtitude		New Param. 1 ID			Changed Param. 1?	☐		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?	☐		
Old Value 1	10000		New Value 1			Changed Value1?		☐			
Old Value 2			New Value 2			Changed Value 2?		☐			
Old Operator 1	>	New Opt. 1		Changed Opt. 1?	☐	Old Opt. 2		New Opt. 2		Changed Opt. 2?	☐
Old Condensed Impact	Pressure Altitude		New Condensed Impact			Changed Condensed Impact?		☐			
Old Full Impact	Operating performance of rotary wing aircraft is significantly decreased when operating at pressure altitudes > 10,000 ft. Actions may be required to reduce payload or fuel to retain lift capability.										
New Full Impact											
Changed Full Impact?											☐
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	Delete Rule: This is too restrictive as a red condition; pilot has options. This is included in > 5000 ft. as an amber condition.										
Comments											
Changed Source?	☒	Are There Any (2) Options?	☒	Any Change to Record?		☒					

ID #	120	System Name	EH-60A		Rule 1 #	87	Rule 2 #		Delete Rule?	☒	
Old Color	2	New Color			Changed Color?						☐
Parameter 1 #	5	Old Param. 1 ID	densityaltitude		New Param. 1 ID			Changed Param. 1?	☐		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?	☐		
Old Value 1	10000		New Value 1			Changed Value1?		☐			
Old Value 2			New Value 2			Changed Value 2?		☐			
Old Operator 1	>	New Opt. 1		Changed Opt. 1?	☐	Old Opt. 2		New Opt. 2		Changed Opt. 2?	☐
Old Condensed Impact	Density Altitude		New Condensed Impact			Changed Condensed Impact?		☐			
Old Full Impact	Density altitudes > 10,000 ft exceeds maximum payload capability.										
New Full Impact											
Changed Full Impact?											☐
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	Delete Rule: Too restrictive, pilot has options. Warning included in rule ID# 121										
Comments											
Changed Source?	☒	Are There Any (2) Options?	☒	Any Change to Record?		☒					

IWEDA System Rules

ID #	121	System Name	EH-60A		Rule 1 #	88	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?			N			
Parameter 1 #	5	Old Param. 1 ID	densityaltitude		New Param. 1 ID	Density Altitude		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	5000		New Value 1	5000 ft.		Changed Value1?		N			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Density Altitude		New Condensed Impact	High Density Altitude		Changed Condensed Impact?		Y			
Old Full Impact	Density altitudes > 5000 ft approach optimal lift capability of helicopters resulting in reduced payload.										
New Full Impact	Density Altitude > 5000 ft decreases lift capability, payload may be reduced.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	FM 1-230, Para 5-8, Sep 1982										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	122	System Name	EH-60A		Rule 1 #	106	Rule 2 #	106	Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?			N			
Parameter 1 #	4	Old Param. 1 ID	cloudcover		New Param. 1 ID	Cloud Cover		Changed Param. 1?	N		
Parameter 2 #	3	Old Param. 2 ID	cloudbase		New Param. 2 ID	Cloud Base		Changed Param. 2?	N		
Old Value 1	0		New Value 1	3/8		Changed Value1?		Y			
Old Value 2	300		New Value 2	300 Ft.		Changed Value 2?		N			
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2	<=	New Opt. 2	<=	Changed Opt. 2?	N
Old Condensed Impact	Clouds		New Condensed Impact	Very Low Clouds		Changed Condensed Impact?		Y			
Old Full Impact	Cloud bases <= 300 feet degrade mobility and effectiveness.										
New Full Impact	Cloud ceilings <= 300 feet degrade mobility and effectiveness.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	Interview with Mr. John Benham, Flight Instructor, Chief Aviation Applied Technology Division, Felker Army Airfield, Ft. Eustis, VA, Aug 1997										
Comments											
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?				Y

IWEDA System Rules

ID #	123	System Name	F-111G	Rule 1 #	32	Rule 2 #		Delete Rule?	Y
Old Color	1	New Color		Changed Color?					
Parameter 1 #	23	Old Param. 1 ID	thunderstorm	New Param. 1 ID					
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID					
Old Value 1	1	New Value 1				Changed Value1?			
Old Value 2		New Value 2				Changed Value 2?			
Old Operator 1	=	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2	
Old Condensed Impact	Thunderstorm		New Condensed Impact				Changed Condensed Impact?		
Old Full Impact	Thunderstorms may cause mission delays and limit areas where aircraft can operate effectively.								
New Full Impact									
									Changed Full Impact?
Old Source	(1st Cavalry Division, 1992);								
New Source/ Reason for Delete	Delete Rule: No longer in inventory								
Comments									
Changed Source?	Y	Are There Any (2) Options?			N	Any Change to Record?			Y

ID #	124	System Name	F-111G	Rule 1 #	56	Rule 2 #		Delete Rule?	Y
Old Color	2	New Color				Changed Color?			
Parameter 1 #	10	Old Param. 1 ID	freezingrain	New Param. 1 ID					
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID					
Old Value 1	0	New Value 1				Changed Value1?			
Old Value 2		New Value 2				Changed Value 2?			
Old Operator 1	>	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2	
Old Condensed Impact	Freezing Rain		New Condensed Impact				Changed Condensed Impact?		
Old Full Impact	Freezing rain may delay mission launch and recovery due to icy runway conditions and deicing of aircraft.								
New Full Impact									
									Changed Full Impact?
Old Source	(1st Cavalry Division, 1992);								
New Source/ Reason for Delete	Delete Rule: No longer in inventory								
Comments									
Changed Source?	Y	Are There Any (2) Options?			N	Any Change to Record?			Y

IWEDA System Rules

ID #	125	System Name	F-15E		Rule 1 #	52	Rule 2 #		Delete Rule?	Y			
Old Color	1	New Color			Changed Color?						☐		
Parameter 1 #	14	Old Param. 1 ID	rain		New Param. 1 ID			Changed Param. 1?			☐		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			☐		
Old Value 1	1		New Value 1					Changed Value1?			☐		
Old Value 2			New Value 2					Changed Value 2?			☐		
Old Operator 1	>	New Opt. 1			Changed Opt. 1?	☐		Old Opt. 2		New Opt. 2		Changed Opt. 2?	☐
Old Condensed Impact	Precipitation		New Condensed Impact					Changed Condensed Impact?			☐		
Old Full Impact	Rain > light causes the pilot to use less accurate targeting systems.												
New Full Impact													
												Changed Full Impact?	☐
Old Source	(1st Cavalry Division, 1992);												
New Source/Reason for Delete	Delete Rule: Not significant. Interview with MAJ Decesari, Pilot ACC/DOTW Weapons and Tactics Branch, Aug 1997												
Comments													
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y		

ID #	126	System Name	F-15E		Rule 1 #	56	Rule 2 #		Delete Rule?	N			
Old Color	2	New Color	1		Changed Color?						Y		
Parameter 1 #	10	Old Param. 1 ID	freezingrain		New Param. 1 ID	Freezing Rain		Changed Param. 1?			N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			☐		
Old Value 1	0		New Value 1	None				Changed Value1?			Y		
Old Value 2			New Value 2					Changed Value 2?			☐		
Old Operator 1	>	New Opt. 1	>		Changed Opt. 1?	N		Old Opt. 2		New Opt. 2		Changed Opt. 2?	☐
Old Condensed Impact	Freezing Rain		New Condensed Impact	Freezing Rain				Changed Condensed Impact?			N		
Old Full Impact	Any occurrence of freezing rain delays mission launch because exposed aircraft must be deiced.												
New Full Impact	Any occurrence of freezing rain delays mission launch because exposed aircraft must be deiced.												
												Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);												
New Source/Reason for Delete	Interview with MAJ Decesari, Pilot ACC/DOTW Weapons and Tactics Branch, Aug 1997												
Comments													
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y		

IWEDA System Rules

ID #	127	System Name	F-15E		Rule 1 #	63	Rule 2 #		Delete Rule?	Y		
Old Color	1	New Color			Changed Color?						☐	
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed		New Param. 1 ID			Changed Param. 1?			☐	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			☐	
Old Value 1	30		New Value 1					Changed Value1?			☐	
Old Value 2			New Value 2					Changed Value 2?			☐	
Old Operator 1	>=	New Opt. 1			Changed Opt. 1?	☐		Old Opt. 2			Changed Opt. 2?	☐
Old Condensed Impact	Surface Wind		New Condensed Impact					Changed Condensed Impact?			☐	
Old Full Impact	Surface wind > 30 kts increases the impact errors for freefall munitions impact points.											
New Full Impact												
											Changed Full Impact?	☐
Old Source	(1st Cavalry Division, 1992);											
New Source/Reason for Delete	Delete Rule: Not significant. Interview with MAJ Decesari, Pilot ACC/DOTW Weapons and Tactics Branch, Aug 1997											
Comments												
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y	

ID #	128	System Name	F-15E		Rule 1 #	71	Rule 2 #		Delete Rule?	Y		
Old Color	2	New Color			Changed Color?						☐	
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed		New Param. 1 ID			Changed Param. 1?			☐	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			☐	
Old Value 1	50		New Value 1					Changed Value1?			☐	
Old Value 2			New Value 2					Changed Value 2?			☐	
Old Operator 1	>=	New Opt. 1			Changed Opt. 1?	☐		Old Opt. 2			Changed Opt. 2?	☐
Old Condensed Impact	Surface Wind		New Condensed Impact					Changed Condensed Impact?			☐	
Old Full Impact	Surface wind speed > 50 kts exceeds the cross-wind capability of the aircraft weapons targeting and release systems.											
New Full Impact												
											Changed Full Impact?	☐
Old Source	(1st Cavalry Division, 1992);											
New Source/Reason for Delete	Delete Rule: Not significant. Interview with MAJ Decesari, Pilot ACC/DOTW Weapons and Tactics Branch, Aug 1997											
Comments												
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y	

IWEDA System Rules

ID #	129	System Name	F-15E	Rule 1 #	98	Rule 2 #	98	Delete Rule?	Y			
Old Color	1	New Color		Changed Color?								
Parameter 1 #	4	Old Param. 1 ID	cloudcover	New Param. 1 ID		Changed Param. 1?						
Parameter 2 #	3	Old Param. 2 ID	cloudbase	New Param. 2 ID		Changed Param. 2?						
Old Value 1	3	New Value 1		Changed Value1?								
Old Value 2	10000	New Value 2		Changed Value 2?								
Old Operator 1	>	New Opt. 1		Changed Opt. 1?		Old Opt. 2	<	New Opt. 2		Changed Opt. 2?		
Old Condensed Impact	Clouds			New Condensed Impact				Changed Condensed Impact?				
Old Full Impact	Cloud cover > 3/8 and cloud bases < 10,000 ft reduce the pilots ability to recognize targets when clouds are between aircraft and target.											
New Full Impact												
											Changed Full Impact?	
Old Source	(1st Cavalry Division, 1992);											
New Source/ Reason for Delete	Delete Rule: Not significant. Interview with MAJ Decesari, Pilot ACC/DOTW Weapons and Tactics Branch, Aug 1997											
Comments												
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?				Y	

ID #	130	System Name	F-15E	Rule 1 #	99	Rule 2 #	99	Delete Rule?	N			
Old Color	2	New Color	1	Changed Color?						Y		
Parameter 1 #	4	Old Param. 1 ID	cloudcover	New Param. 1 ID	Cloud Cover	Changed Param. 1?				N		
Parameter 2 #	3	Old Param. 2 ID	cloudbase	New Param. 2 ID	Cloud Base	Changed Param. 2?				N		
Old Value 1	5	New Value 1	5/8 Coverage	Changed Value1?						Y		
Old Value 2	3000	New Value 2	3000 Ft.	Changed Value 2?						N		
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2	<	New Opt. 2	<	Changed Opt. 2?	N	
Old Condensed Impact	Clouds			New Condensed Impact	Clouds			Changed Condensed Impact?			N	
Old Full Impact	Cloud cover > 5/8 and cloud bases < 3000 ft significantly reduce the pilots ability to recognize targets when clouds are between aircraft and target.											
New Full Impact	Cloud cover > 5/8 and cloud bases < 3000 ft. reduce the pilots ability to recognize targets when clouds are between aircraft and target.											
											Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);											
New Source/ Reason for Delete	Interview with MAJ Decesari, Pilot ACC/DOTW Weapons and Tactics Branch, Aug 1997											
Comments												
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?				Y	

IWEDA System Rules

ID #	131	System Name	F-16		Rule 1 #	47	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?			N			
Parameter 1 #	26	Old Param. 1 ID	visibility		New Param. 1 ID	Visibility		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	8000		New Value 1	8000 meters		Changed Value1?		N			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Reduced Visibility		New Condensed Impact	Reduced Visibility		Changed Condensed Impact?		N			
Old Full Impact	Visibility < 5 miles (8000 m) degrades the aircraft navigational and terrain avoidance capability which reduces the time available to acquire and identify targets.										
New Full Impact	Visibility < 5 miles (8000 m) degrades the time available to acquire and identify targets.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	Interview with MAJ Fisher, Pilot ACC/DOTW Weapons and Tactics Branch, Aug 1997										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	132	System Name	F-16		Rule 1 #	48	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2		Changed Color?			N			
Parameter 1 #	26	Old Param. 1 ID	visibility		New Param. 1 ID	Visibility		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	4800		New Value 1	4800 meters		Changed Value1?		N			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Reduced Visibility		New Condensed Impact	Low Visibility		Changed Condensed Impact?		Y			
Old Full Impact	Visibility < 3 miles (4800 m) significantly degrades the aircraft navigational and terrain avoidance capability which reduces the time available to acquire and identify targets.										
New Full Impact	Visibility < 3 miles (4800 m) significantly degrades the time available to acquire and identify targets.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	Interview with MAJ Fisher, Pilot ACC/DOTW Weapons and Tactics Branch, Aug 1997										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA System Rules

ID #	133	System Name	F-16		Rule 1 #	52	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?						N
Parameter 1 #	14	Old Param. 1 ID	rain		New Param. 1 ID	Rain		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	1		New Value 1	Light		Changed Value 1?	Y				
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Precipitation		New Condensed Impact	Rain		Changed Condensed Impact?	Y				
Old Full Impact	Rain > light intensity degrades the pilots visual and infrared detection ranges.										
New Full Impact	Rain > light intensity may degrade the pilot visual and infrared detection ranges.										
Changed Full Impact?											Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	Interview with MAJ Fisher, Pilot ACC/DOTW Weapons and Tactics Branch, Aug 1997										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	134	System Name	F-16		Rule 1 #	54	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2		Changed Color?						N
Parameter 1 #	14	Old Param. 1 ID	rain		New Param. 1 ID	Rain		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	2		New Value 1	Moderate		Changed Value 1?	Y				
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Precipitation		New Condensed Impact	Heavy Rain		Changed Condensed Impact?	Y				
Old Full Impact	Rain > moderate intensity significantly degrades the pilots visual and infrared detection ranges.										
New Full Impact	Rain > moderate intensity significantly reduces/degrades pilot visual range.										
Changed Full Impact?											Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	T.O. 1F-16C-1, Page 7-2, May 96										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA System Rules

ID #	135	System Name	F-16		Rule 1 #	56	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	1		Changed Color?			Y			
Parameter 1 #	10	Old Param. 1 ID	freezingrain		New Param. 1 ID	Freezing Rain		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	0		New Value 1	None		Changed Value1?		Y			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Freezing Rain		New Condensed Impact	Freezing Rain		Changed Condensed Impact?		N			
Old Full Impact	Any occurrence of freezing rain delays mission launch because exposed aircraft must be deiced.										
New Full Impact	Engine operation during freezing rain may result in engine damage due to icing or mission delays due to deicing.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	T.O. 1F-16C-1, Page 7-5, May 1996										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	136	System Name	F-16		Rule 1 #	59	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2		Changed Color?			N			
Parameter 1 #	17	Old Param. 1 ID	snow		New Param. 1 ID	Snow		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	1		New Value 1	Light		Changed Value1?		Y			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Snow		New Condensed Impact	Snow		Changed Condensed Impact?		N			
Old Full Impact	Snow > light intensity significantly degrades the pilots visual and infrared detection ranges.										
New Full Impact	Snow > light intensity significantly degrades the pilots visual and infrared detection ranges.										
										Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	Interview with MAJ Fisher, Pilot ACC/DOTW Weapons and Tactics Branch, Aug 1997										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA System Rules

ID #	137	System Name	F-16		Rule 1 #	60	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?			N			
Parameter 1 #	17	Old Param. 1 ID	snow		New Param. 1 ID	Snow		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	0		New Value 1	None		Changed Value1?		Y			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Snow		New Condensed Impact	Snow		Changed Condensed Impact?		N			
Old Full Impact	Any occurrence of snowfall degrades the pilots visual and infrared detection ranges.										
New Full Impact	Snowfall may degrade the pilots visual and infrared detection ranges.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	Interview with MAJ Fisher, Pilot ACC/DOTW Weapons and Tactics Branch, Aug 1997										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	138	System Name	F-16		Rule 1 #	63	Rule 2 #		Delete Rule?	Y	
Old Color	2	New Color			Changed Color?						
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed		New Param. 1 ID			Changed Param. 1?			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	30		New Value 1			Changed Value1?					
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>=	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Surface Wind		New Condensed Impact			Changed Condensed Impact?					
Old Full Impact	Surface wind > 30 kts significantly increases the impact errors for freefall munitions.										
New Full Impact											
										Changed Full Impact?	
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	Delete Rule: Not significant. Interview with MAJ Fisher, Pilot ACC/DOTW Weapons and Tactics Branch, Aug 1997										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA System Rules

ID #	139	System Name	F-16		Rule 1 #	67	Rule 2 #		Delete Rule?	☒						
Old Color	1	New Color			Changed Color?						☐					
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed		New Param. 1 ID			Changed Param. 1?			☐					
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			☐					
Old Value 1	20		New Value 1			Changed Value1?					☐					
Old Value 2			New Value 2			Changed Value 2?					☐					
Old Operator 1	>=		New Opt. 1			Changed Opt. 1?	☐		Old Opt. 2			New Opt. 2			Changed Opt. 2?	☐
Old Condensed Impact	Surface Wind		New Condensed Impact			Changed Condensed Impact?						☐				
Old Full Impact	Surface wind > 20 kts cause freefall munitions impact points to be manually computed and released with associated impact errors.															
New Full Impact														Changed Full Impact?		☐
Old Source	(1st Cavalry Division, 1992);															
New Source/ Reason for Delete	Delete Rule: Not significant. Interview with MAJ Fisher, Pilot ACC/DOTW Weapons and Tactics Branch, Aug 1997															
Comments																
Changed Source?	☒		Are There Any (2) Options?				☒		Any Change to Record?				☒			

ID #	140	System Name	F-16		Rule 1 #	100	Rule 2 #	100	Delete Rule?	☒						
Old Color	1	New Color	1		Changed Color?						☒					
Parameter 1 #	4	Old Param. 1 ID	cloudcover		New Param. 1 ID	Cloud Cover		Changed Param. 1?			☒					
Parameter 2 #	3	Old Param. 2 ID	cloudbase		New Param. 2 ID	Cloud Base		Changed Param. 2?			☒					
Old Value 1	3		New Value 1	3/8 Coverage		Changed Value1?					☒					
Old Value 2	3000		New Value 2	3000 Ft.		Changed Value 2?					☒					
Old Operator 1	>		New Opt. 1	>		Changed Opt. 1?	☒		Old Opt. 2	<		New Opt. 2	<		Changed Opt. 2?	☒
Old Condensed Impact	Clouds		New Condensed Impact	Low Clouds		Changed Condensed Impact?						☒				
Old Full Impact	Cloud cover > 3/8 and cloud bases < 3000 ft degrade attack options and maneuverability. Attacks become predictable by restricting aircraft to cloud free corridors.															
New Full Impact	Cloud cover > 3/8 and cloud bases < 3000 ft may degrade attack options and maneuverability.													Changed Full Impact?		☒
Old Source	(1st Cavalry Division, 1992);															
New Source/ Reason for Delete	Interview with MAJ Fisher, Pilot ACC/DOTW Weapons and Tactics Branch, Aug 1997															
Comments																
Changed Source?	☒		Are There Any (2) Options?				☒		Any Change to Record?				☒			

IWEDA System Rules

ID #	141	System Name	F-16		Rule 1 #	101	Rule 2 #	101	Delete Rule?	N							
Old Color	2	New Color	1		Changed Color?			Y									
Parameter 1 #	4	Old Param. 1 ID	cloudcover		New Param. 1 ID	Cloud Cover		Changed Param. 1?	N								
Parameter 2 #	3	Old Param. 2 ID	cloudbase		New Param. 2 ID	Cloud Base		Changed Param. 2?	N								
Old Value 1	5		New Value 1	5/8 Coverage		Changed Value1?		Y									
Old Value 2	1000		New Value 2	1000 Ft.		Changed Value 2?		N									
Old Operator 1	>		New Opt. 1	>		Changed Opt. 1?	N		Old Opt. 2	<		New Opt. 2	<		Changed Opt. 2?	N	
Old Condensed Impact	Clouds		New Condensed Impact	Very Low Clouds		Changed Condensed Impact?		Y									
Old Full Impact	Cloud cover > 5/8 and cloud bases < 1000 ft significantly degrade visual attacks and maneuverability. Attacks become predictable by restricting aircraft to cloud free corridors.																
New Full Impact	Cloud cover > 5/8 and cloud bases < 1000 ft. degrade visual attacks and maneuverability.																
															Changed Full Impact?	Y	
Old Source	(1st Cavalry Division, 1992);																
New Source/Reason for Delete	Interview with MAJ Fisher, Pilot ACC/DOTW Weapons and Tactics Branch, Aug 1997																
Comments																	
Changed Source?	Y		Are There Any (2) Options?		Y		Any Change to Record?		Y								

ID #	142	System Name	F-4G		Rule 1 #	32	Rule 2 #		Delete Rule?	Y							
Old Color	1	New Color			Changed Color?												
Parameter 1 #	23	Old Param. 1 ID	thunderstorm		New Param. 1 ID			Changed Param. 1?									
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?									
Old Value 1	1		New Value 1	yes		Changed Value1?											
Old Value 2			New Value 2			Changed Value 2?											
Old Operator 1	=		New Opt. 1	=		Changed Opt. 1?			Old Opt. 2			New Opt. 2			Changed Opt. 2?		
Old Condensed Impact	Thunderstorm		New Condensed Impact			Changed Condensed Impact?											
Old Full Impact	Thunderstorms may cause mission delays and limit areas where aircraft can operate effectively.																
New Full Impact																	
															Changed Full Impact?		
Old Source	(1st Cavalry Division, 1992);																
New Source/Reason for Delete	Delete Rule: No longer in inventory																
Comments																	
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y								

IWEDA System Rules

ID #	143	System Name	F-4G		Rule 1 #	56	Rule 2 #		Delete Rule?	Y				
Old Color	2	New Color			Changed Color?			☐						
Parameter 1 #	10	Old Param. 1 ID	freezingrain		New Param. 1 ID			Changed Param. 1?	☐					
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?	☐					
Old Value 1	0		New Value 1			Changed Value1?		☐						
Old Value 2			New Value 2			Changed Value 2?		☐						
Old Operator 1	>	New Opt. 1			Changed Opt. 1?	☐		Old Opt. 2		New Opt. 2		Changed Opt. 2?	☐	
Old Condensed Impact	Freezing Rain		New Condensed Impact			Changed Condensed Impact?		☐						
Old Full Impact	Freezing rain may delay mission launch and recovery due to icy runway conditions and deicing of aircraft.													
New Full Impact														
											Changed Full Impact?	☐		
Old Source	(1st Cavalry Division, 1992);													
New Source/ Reason for Delete	Delete Rule: No longer in inventory													
Comments														
Changed Source?	Y		Are There Any (2) Options?			N		Any Change to Record?			Y			

ID #	144	System Name	M1		Rule 1 #	53	Rule 2 #		Delete Rule?	N				
Old Color	1	New Color	1		Changed Color?			N						
Parameter 1 #	14	Old Param. 1 ID	rain		New Param. 1 ID	Rain		Changed Param. 1?	N					
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?	☐					
Old Value 1	0		New Value 1	Moderate		Changed Value1?		Y						
Old Value 2			New Value 2			Changed Value 2?		☐						
Old Operator 1	>	New Opt. 1	>		Changed Opt. 1?	N		Old Opt. 2		New Opt. 2		Changed Opt. 2?	☐	
Old Condensed Impact	Precipitation		New Condensed Impact	Rain		Changed Condensed Impact?		Y						
Old Full Impact	Any occurrence of rain makes it difficult to identify false ranging returns.													
New Full Impact	Any occurrence of > modereate rain makes it difficult ot identify false ranging returns.													
											Changed Full Impact?	Y		
Old Source	(1st Cavalry Division, 1992);													
New Source/ Reason for Delete	Personal Interview with SME, 12 November 1997. CSM Donald Schwab HHC1-52 Armored Battalion North Carolina ANG, Ft. Bragg, NC													
Comments														
Changed Source?	Y		Are There Any (2) Options?			N		Any Change to Record?			Y			

IWEDA System Rules

ID #	145	System Name	M1		Rule 1 #	143	Rule 2 #	143	Delete Rule?	N		
Old Color	2	New Color	2		Changed Color?						N	
Parameter 1 #	26	Old Param. 1 ID	visibility		New Param. 1 ID	Visibility		Changed Param. 1?	N			
Parameter 2 #	14	Old Param. 2 ID	rain		New Param. 2 ID	Rain		Changed Param. 2?	N			
Old Value 1	500		New Value 1	500 meters		Changed Value1?		N				
Old Value 2	0		New Value 2	None		Changed Value 2?		Y				
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	>	New Opt. 2	>	Changed Opt. 2?	N	
Old Condensed Impact	Precipitation and Reduced Visibility		New Condensed Impact	Rain		Changed Condensed Impact?		Y				
Old Full Impact	Any occurrence of rain and visibilities < 0.3 mile (500 m) make it very difficult for crews to distinguish between friendly and enemy vehicles.											
New Full Impact	Any occurrence of rain and visibilities < 0.3 mile (500 m) make it very difficult for crews to visually distinguish between friendly and enemy vehicles.											
											Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);											
New Source/ Reason for Delete	Personal Interview with SME, 12 November 1997. CSM Donald Schwab HHC1-52 Armored Battalion North Carolina ANG, Ft. Bragg, NC											
Comments												
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?				Y	

ID #	146	System Name	M1		Rule 1 #	144	Rule 2 #	144	Delete Rule?	N		
Old Color	2	New Color	1		Changed Color?						Y	
Parameter 1 #	26	Old Param. 1 ID	visibility		New Param. 1 ID	Visibility		Changed Param. 1?	N			
Parameter 2 #	4	Old Param. 2 ID	cloudcover		New Param. 2 ID	Cloud Cover		Changed Param. 2?	N			
Old Value 1	1500		New Value 1	1500 meters		Changed Value1?		N				
Old Value 2	0		New Value 2	None		Changed Value 2?		Y				
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	=	New Opt. 2	=	Changed Opt. 2?	N	
Old Condensed Impact	Clear Skies and Reduced Visibility		New Condensed Impact	Low Visibility		Changed Condensed Impact?		Y				
Old Full Impact	Clear skies and visibility < 0.9 mile (1500 m) make it very difficult for crews to distinguish between friendly and enemy vehicles.											
New Full Impact	Clear skies and visibility < 0.9 mile (1500 m) make it very difficult for crews to visually distinguish between friendly and enemy vehicles.											
											Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);											
New Source/ Reason for Delete	Personal Interview with SME, 12 November 1997. CSM Donald Schwab HHC1-52 Armored Battalion North Carolina ANG, Ft. Bragg, NC											
Comments												
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?				Y	

IWEDA System Rules

ID #	147	System Name	M109 SP HOWITZER		Rule 1 #	10	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?			N			
Parameter 1 #	22	Old Param. 1 ID	temperature		New Param. 1 ID	Temperature		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	60		New Value 1	- 20 F		Changed Value1?	Y				
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	<=		New Opt. 1	<=		Changed Opt. 1?	N		Old Opt. 2		
			New Opt. 2			Changed Opt. 2?					
Old Condensed Impact	Temperature		New Condensed Impact	Extreme Cold		Changed Condensed Impact?	Y				
Old Full Impact	Temperatures <= 60 F affect the artillery tube and therefore its accuracy.										
New Full Impact	Temperatures <= -20 F affect the artillery tube and therefore its accuracy.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	TM 9-2350-311-10, Para 2-20, Feb 1996										
Comments											
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

ID #	148	System Name	M109 SP HOWITZER		Rule 1 #	21	Rule 2 #		Delete Rule?	Y	
Old Color	2	New Color			Changed Color?						
Parameter 1 #	22	Old Param. 1 ID	temperature		New Param. 1 ID			Changed Param. 1?			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	125		New Value 1			Changed Value1?					
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>=		New Opt. 1			Changed Opt. 1?			Old Opt. 2		
			New Opt. 2			Changed Opt. 2?					
Old Condensed Impact	Hot		New Condensed Impact			Changed Condensed Impact?					
Old Full Impact	Temperatures >= 125 F greatly affect the artillery tube with quick build-up of heat. This makes propellant potentially flammable.										
New Full Impact											
										Changed Full Impact?	
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	Delete Rule: TM 9-1025-211-10, Jan 1991, Operator's Manual for 155mm Howitzer (M109) says nothing about artillery tube temperature. Para 2-31 says to "oil frequently in hot climates".										
Comments											
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

IWEDA System Rules

ID #	149	System Name	M2/M3	Rule 1 #	143	Rule 2 #	143	Delete Rule?	N		
Old Color	2	New Color	2	Changed Color?			N				
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility	Changed Param. 1?	N				
Parameter 2 #	14	Old Param. 2 ID	rain	New Param. 2 ID	Rain	Changed Param. 2?	N				
Old Value 1	500	New Value 1	500 meters	Changed Value 1?	N						
Old Value 2	0	New Value 2	0	Changed Value 2?	N						
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	>	New Opt. 2	>	Changed Opt. 2?	N
Old Condensed Impact	Precipitation and Reduced Visibility			New Condensed Impact	Rain			Changed Condensed Impact?	Y		
Old Full Impact	Any occurrence of rain and visibilities < 0.3 mile (500 m) make it very difficult for crews to distinguish between friendly and enemy vehicles.										
New Full Impact	Any occurrence of rain and visibilities < 0.3 mile (500 m) make it very difficult for crews to visually distinguish between friendly and enemy vehicles.										
Changed Full Impact?											N
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	Personal Interview with SME, 12 November 1997. CSM Donald Schwab HHC1-52 Armored Battalion North Carolina ANG, Ft. Bragg, NC										
Comments											
Changed Source?	Y	Are There Any (2) Options?			Y	Any Change to Record?			Y		

ID #	150	System Name	M2/M3	Rule 1 #	144	Rule 2 #	144	Delete Rule?	N		
Old Color	2	New Color	1	Changed Color?			Y				
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility	Changed Param. 1?	N				
Parameter 2 #	4	Old Param. 2 ID	cloudcover	New Param. 2 ID	Cloud Cover	Changed Param. 2?	N				
Old Value 1	1500	New Value 1	1500 meters	Changed Value 1?	N						
Old Value 2	0	New Value 2	0	Changed Value 2?	N						
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	=	New Opt. 2	=	Changed Opt. 2?	N
Old Condensed Impact	Clear Skies and Reduced Visibility			New Condensed Impact	Low Visibility			Changed Condensed Impact?	Y		
Old Full Impact	Clear skies and visibility < 0.9 mile (1500 m) make it very difficult for crews to distinguish between friendly and enemy vehicles.										
New Full Impact	Clear skies and visibility < 0.9 mile (1500 m) make it very difficult for crews to visually distinguish between friendly and enemy vehicles.										
Changed Full Impact?											Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	Personal Interview with SME, 12 November 1997. CSM Donald Schwab HHC1-52 Armored Battalion North Carolina ANG, Ft. Bragg, NC										
Comments											
Changed Source?	Y	Are There Any (2) Options?			Y	Any Change to Record?			Y		

IWEDA System Rules

ID #	151	System Name	MLQ-34		Rule 1 #	7	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2		Changed Color?						N
Parameter 1 #	22	Old Param. 1 ID	temperature		New Param. 1 ID	Temperature		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	-25		New Value 1	-25 F		Changed Value1?	N				
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	<=	New Opt. 1	<=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Cold		New Condensed Impact	Extreme Cold		Changed Condensed Impact?	Y				
Old Full Impact	Temperatures <= -25 F exceed the operational limits. The antenna cables tend to freeze and snap during set-up or tear-down at these temperatures.										
New Full Impact	Temperatures <= -25 F exceed the operational limits. The antenna cables tend to freeze and snap during set-up or tear-down at these temperatures.										
										Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	FM 34-81-1, Appendix I-6, Dec 1992										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	152	System Name	MLQ-34		Rule 1 #	17	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2		Changed Color?						N
Parameter 1 #	22	Old Param. 1 ID	temperature		New Param. 1 ID	Temperature		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	120		New Value 1	120 F		Changed Value1?	N				
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>=	New Opt. 1	>=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Hot		New Condensed Impact	Very Hot		Changed Condensed Impact?	Y				
Old Full Impact	Temperatures >= 120 F exceed the operational limits.										
New Full Impact	Temperatures >= 120 F exceed the operational limits.										
										Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	FM 34-81-1, Appendix I-7, Dec 1992										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA System Rules

ID #	153	System Name	MLQ-34		Rule 1 #	25	Rule 2 #		Delete Rule?	☒				
Old Color	1	New Color			Changed Color?						☐			
Parameter 1 #	6	Old Param. 1 ID	dewpoint		New Param. 1 ID			Changed Param. 1?	☐					
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?	☐					
Old Value 1	65		New Value 1			Changed Value1?	☐							
Old Value 2			New Value 2			Changed Value 2?	☐							
Old Operator 1	>=	New Opt. 1			Changed Opt. 1?	☐		Old Opt. 2		New Opt. 2		Changed Opt. 2?	☐	
Old Condensed Impact	Dewpoint Temperature		New Condensed Impact			Changed Condensed Impact?	☐							
Old Full Impact	Dewpoint temperatures >= 65 F degrade performance.													
New Full Impact														
												Changed Full Impact?	☐	
Old Source	(1st Cavalry Division, 1992);													
New Source/Reason for Delete	Delete Rule: Absolutely no reference in FM 34-81-1, Dec 1992. No other sources found.													
Comments														
Changed Source?	☒	Are There Any (2) Options?	☒		Any Change to Record?				☒					

ID #	154	System Name	MLQ-34		Rule 1 #	26	Rule 2 #		Delete Rule?	☒				
Old Color	2	New Color			Changed Color?						☐			
Parameter 1 #	6	Old Param. 1 ID	dewpoint		New Param. 1 ID			Changed Param. 1?	☐					
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?	☐					
Old Value 1	85		New Value 1			Changed Value1?	☐							
Old Value 2			New Value 2			Changed Value 2?	☐							
Old Operator 1	>=	New Opt. 1			Changed Opt. 1?	☐		Old Opt. 2		New Opt. 2		Changed Opt. 2?	☐	
Old Condensed Impact	Dewpoint Temperature		New Condensed Impact			Changed Condensed Impact?	☐							
Old Full Impact	Dewpoint temperatures >= 85 F greatly degrade performance and exceed operating limits.													
New Full Impact														
												Changed Full Impact?	☐	
Old Source	(1st Cavalry Division, 1992);													
New Source/Reason for Delete	Delete Rule: Absolutely no reference in FM 34-81-1, Dec 1992. No other sources found.													
Comments														
Changed Source?	☒	Are There Any (2) Options?	☒		Any Change to Record?				☒					

IWEDA System Rules

ID #	155	System Name	OH-58C		Rule 1 #	24	Rule 2 #		Delete Rule?	☒				
Old Color	1	New Color			Changed Color?						☐			
Parameter 1 #	22	Old Param. 1 ID	temperature		New Param. 1 ID			Changed Param. 1?	☐					
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?	☐					
Old Value 1	100		New Value 1			Changed Value1?		☐						
Old Value 2			New Value 2			Changed Value 2?		☐						
Old Operator 1	>=	New Opt. 1			Changed Opt. 1?	☐		Old Opt. 2		New Opt. 2		Changed Opt. 2?	☐	
Old Condensed Impact	Hot		New Condensed Impact			Changed Condensed Impact?		☐						
Old Full Impact	Temperatures >= 100 F degrade aircraft performance.													
New Full Impact														
												Changed Full Impact?	☐	
Old Source	(1st Cavalry Division, 1992);													
New Source/Reason for Delete	Delete Rule: Not significant. Based on comments in TM 55-1520-228-10, Para 8-36, Jun 1996													
Comments														
Changed Source?	☒	Are There Any (2) Options?				☒	Any Change to Record?				☒			

ID #	156	System Name	OH-58C		Rule 1 #	32	Rule 2 #		Delete Rule?	☒				
Old Color	2	New Color	1		Changed Color?						☒			
Parameter 1 #	23	Old Param. 1 ID	thunderstorm		New Param. 1 ID	Thunderstorm		Changed Param. 1?	☒					
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?	☐					
Old Value 1	1		New Value 1	None		Changed Value1?		☒						
Old Value 2			New Value 2			Changed Value 2?		☐						
Old Operator 1	=	New Opt. 1	>		Changed Opt. 1?	☒		Old Opt. 2		New Opt. 2		Changed Opt. 2?	☐	
Old Condensed Impact	Thunderstorm		New Condensed Impact	Thunderstorm		Changed Condensed Impact?		☒						
Old Full Impact	Any occurrence of thunderstorms curtail aircraft and refueling operations due to safety considerations.													
New Full Impact	Intentional flight into thunderstorm is prohibited. Care must be exercised while performing flight planning. Flights may be delayed.													
												Changed Full Impact?	☒	
Old Source	(1st Cavalry Division, 1992);													
New Source/Reason for Delete	TM 55-1520-228-10, Para 8-38, 39, Jun 1996													
Comments														
Changed Source?	☒	Are There Any (2) Options?				☒	Any Change to Record?				☒			

IWEDA System Rules

ID #	157	System Name	OH-58C	Rule 1 #	56	Rule 2 #		Delete Rule?	N
Old Color	2	New Color	1			Changed Color?	Y		
Parameter 1 #	10	Old Param. 1 ID	freezingrain	New Param. 1 ID	Freezing Rain	Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?			
Old Value 1	0	New Value 1	None	Changed Value1?	Y				
Old Value 2		New Value 2		Changed Value 2?					
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2	
Old Condensed Impact	Freezing Rain		New Condensed Impact	Freezing Rain		Changed Condensed Impact?	N		
Old Full Impact	Any occurrence of freezing rain delays mission launch because exposed aircraft must be deiced.								
New Full Impact	Any occurrence of freezing rain delays mission launch because exposed aircraft must be deiced.								
						Changed Full Impact?	N		
Old Source	(1st Cavalry Division, 1992);								
New Source/Reason for Delete	TM 55-1520-228-10, Para 8-34, Jun 1996								
Comments									
Changed Source?	Y	Are There Any (2) Options?			N	Any Change to Record?		Y	

ID #	158	System Name	OH-58C	Rule 1 #	60	Rule 2 #		Delete Rule?	N
Old Color	1	New Color	1			Changed Color?	N		
Parameter 1 #	17	Old Param. 1 ID	snow	New Param. 1 ID	Snow	Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?			
Old Value 1	0	New Value 1	None	Changed Value1?	Y				
Old Value 2		New Value 2		Changed Value 2?					
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2	
Old Condensed Impact	Snow		New Condensed Impact	Snow		Changed Condensed Impact?	N		
Old Full Impact	Any occurrence of snowfall requires the installation of reverse flow fairings which could delay mission launch. These fairings also degrade the power margin by 4%.								
New Full Impact	Any occurrence of snowfall requires the installation of reverse flow fairings which could delay mission launch. These fairings also degrade the power margin by 4%. Visibility must be >= 1/2 mile.								
						Changed Full Impact?	Y		
Old Source	(1st Cavalry Division, 1992);								
New Source/Reason for Delete	TM 55-1520-228-10, Para 5-30, Jun 1996								
Comments									
Changed Source?	Y	Are There Any (2) Options?			N	Any Change to Record?		Y	

IWEDA System Rules

ID #	159	System Name	OH-58C		Rule 1 #	61	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?			N			
Parameter 1 #	2	Old Param. 1 ID	blowingsnow		New Param. 1 ID	Blowing Snow		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	1		New Value 1	None		Changed Value1?		Y			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	=	New Opt. 1	>	Changed Opt. 1?	Y	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Blowing Snow		New Condensed Impact	Blowing Snow		Changed Condensed Impact?		N			
Old Full Impact	Any occurrence of blowing snow requires the installation of reverse flow fairings which could delay mission launch. These fairings also degrade the power margin by 4%.										
New Full Impact	Any occurrence of blowing snow requires the installation of reverse flow fairings which could delay mission launch. These fairings also degrade the power margin by 4%. Visibility must be >= 1/2 mile.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	TM 55-1520-228-10, Para 5-30, Jun 1996										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	160	System Name	OH-58C		Rule 1 #	63	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	1		Changed Color?			Y			
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed		New Param. 1 ID	Surface Wind Speed		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	30		New Value 1	35 kts.		Changed Value1?		Y			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>=	New Opt. 1	>	Changed Opt. 1?	Y	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Surface Wind		New Condensed Impact	Strong Surface Wind		Changed Condensed Impact?		Y			
Old Full Impact	Surface wind speed > 30 kts exceeds the system operating limits to perform terrain flights.										
New Full Impact	Surface wind speed >35 kts may impact on aircraft hover.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	TM 55-1520-228-10, Para 5-8b, Jun 1996										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA System Rules

ID #	161	System Name	OH-58C		Rule 1 #	67	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	2		Changed Color?			Y			
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed		New Param. 1 ID	Surface Wind Speed		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	20		New Value 1	45 kts.		Changed Value1?		Y			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>=	New Opt. 1	>	Changed Opt. 1?	Y	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Surface Wind		New Condensed Impact	Strong Surface Wind		Changed Condensed Impact?		Y			
Old Full Impact	Surface wind speed > 20 kts impacts the ability to safely perform terrain flights.										
New Full Impact	Surface wind speed > 45 kts helicopter should not be started.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	TM 55-1520-228-10, Para 5-8a, Jun 1996										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	162	System Name	OH-58C		Rule 1 #	75	Rule 2 #		Delete Rule?	Y	
Old Color	2	New Color			Changed Color?						
Parameter 1 #	20	Old Param. 1 ID	surfacewindgust		New Param. 1 ID			Changed Param. 1?			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	30		New Value 1			Changed Value1?					
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>=	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Gust		New Condensed Impact			Changed Condensed Impact?					
Old Full Impact	Surface wind gust >= 30 kts exceeds the system limits to start engines.										
New Full Impact											
										Changed Full Impact?	
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	Delect Rule: No longer significant										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA System Rules

ID #	163	System Name	OH-58C		Rule 1 #	76	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	2		Changed Color?			Y			
Parameter 1 #	12	Old Param. 1 ID	icingintensity		New Param. 1 ID	Icing		Changed Param. 1?	Y		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	0		New Value 1	None		Changed Value1?	Y				
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Icing Aloft		New Condensed Impact	Icing Aloft		Changed Condensed Impact?	N				
Old Full Impact	Upper-level icing intensity > none may degrade performance.										
New Full Impact	Intentional flight in any known icing condition is prohibited, if the aircraft is flying between (~ Icing Base) and (~icing top) feet AGL.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	TM 55-1520-235-10, Para 8-66, Mar 87										
Comments											
Changed Source?	Y	Are There Any (2) Options?		N	Any Change to Record?		Y				

ID #	164	System Name	OH-58C		Rule 1 #	77	Rule 2 #		Delete Rule?	Y	
Old Color	2	New Color			Changed Color?						
Parameter 1 #	12	Old Param. 1 ID	icingintensity		New Param. 1 ID			Changed Param. 1?			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	1		New Value 1			Changed Value1?					
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Icing Aloft		New Condensed Impact			Changed Condensed Impact?					
Old Full Impact	IAW AR95-1, aircraft cannot fly into areas of icing intensity > light.										
New Full Impact											
										Changed Full Impact?	
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	Delete Rule: Not necessary. See rule ID# 163										
Comments											
Changed Source?	Y	Are There Any (2) Options?		N	Any Change to Record?		Y				

IWEDA System Rules

ID #	165	System Name	OH-58C		Rule 1 #	79	Rule 2 #		Delete Rule?	N			
Old Color	1	New Color	1		Changed Color?			N					
Parameter 1 #	24	Old Param. 1 ID	turbulenceintensity		New Param. 1 ID	Turbulence Intensity		Changed Param. 1?	N				
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?					
Old Value 1	1		New Value 1	Moderate		Changed Value1?		Y					
Old Value 2			New Value 2			Changed Value 2?							
Old Operator 1	>	New Opt. 1	<=		Changed Opt. 1?	Y		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Turbulence Aloft		New Condensed Impact	Turbulence Aloft		Changed Condensed Impact?		N					
Old Full Impact	Upper-level turbulence > light intensity degrades flying safety.												
New Full Impact	Upper-level turbulence <= moderate intensity degrades flying safety, if flying between (~turbulence base) & (~turbulence tops) when based on helicopters or light airplanes < 12,500 lbs gross weight												
												Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);												
New Source/ Reason for Delete	TM 55-1520-228-10, Para 8-37, Jun 1996												
Comments													
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y		

ID #	166	System Name	OH-58C		Rule 1 #	80	Rule 2 #		Delete Rule?	N			
Old Color	2	New Color	2		Changed Color?			N					
Parameter 1 #	24	Old Param. 1 ID	turbulenceintensity		New Param. 1 ID	Turbulence Intensity		Changed Param. 1?	N				
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?					
Old Value 1	2		New Value 1	Moderate		Changed Value1?		Y					
Old Value 2			New Value 2			Changed Value 2?							
Old Operator 1	>	New Opt. 1	>		Changed Opt. 1?	N		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Turbulence Aloft		New Condensed Impact	Severe Turbulence Aloft		Changed Condensed Impact?		Y					
Old Full Impact	Upper-level turbulence > moderate intensity exceeds the operating limits.												
New Full Impact	Upper-level turbulence > moderate intensity exceeds the operating limits if flying between (~turbulence base) & (~turbulence tops) feet AGL when based on helicopters or light airplanes < 12,500 lbs gross weight												
												Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);												
New Source/ Reason for Delete	TM 55-1520-228-10, Para 8-37, Jun 1996												
Comments													
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y		

IWEDA System Rules

ID #	167	System Name	OH-58C		Rule 1 #	85	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?						N
Parameter 1 #	13	Old Param. 1 ID	pressurealtitude		New Param. 1 ID	Pressure Altitude		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	5000		New Value 1	5000 ft.		Changed Value1?		N			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Pressure Altitude		New Condensed Impact	High Pressure Altitude		Changed Condensed Impact?		Y			
Old Full Impact	Operating performance of rotary wing aircraft is decreased when operating at pressure altitudes > 5000 ft.										
New Full Impact	Operating performance of rotary wing aircraft is decreased when operating at pressure altitudes > 5000 ft.										
										Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	TM 55-1520-228-10, Chapter 7, Jun 1996 FM 1-230, Para 5-8, Sep 1982										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	168	System Name	OH-58C		Rule 1 #	86	Rule 2 #		Delete Rule?	Y	
Old Color	2	New Color			Changed Color?						
Parameter 1 #	13	Old Param. 1 ID	pressurealtitude		New Param. 1 ID			Changed Param. 1?			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	10000		New Value 1			Changed Value1?					
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Pressure Altitude		New Condensed Impact			Changed Condensed Impact?					
Old Full Impact	Operating performance of rotary wing aircraft is significantly decreased when operating at pressure altitudes > 10,000 ft. Actions may be required to reduce payload or fuel to retain lift capability.										
New Full Impact											
										Changed Full Impact?	
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	Delete Rule: This is too restrictive as a red condition, Pilot has options. It is included in > 5000 ft as an amber condition.										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA System Rules

ID #	169	System Name	OH-58D		Rule 1 #	24	Rule 2 #		Delete Rule?	Y							
Old Color	1	New Color			Changed Color?												
Parameter 1 #	22	Old Param. 1 ID	temperature		New Param. 1 ID			Changed Param. 1?									
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?									
Old Value 1	100		New Value 1			Changed Value 1?											
Old Value 2			New Value 2			Changed Value 2?											
Old Operator 1	>=	New Opt. 1			Changed Opt. 1?			Old Opt. 2			New Opt. 2			Changed Opt. 2?			
Old Condensed Impact	Hot		New Condensed Impact			Changed Condensed Impact?											
Old Full Impact	Temperatures >= 100 F degrade aircraft performance.																
New Full Impact																	
															Changed Full Impact?		
Old Source	(1st Cavalry Division, 1992);																
New Source/Reason for Delete	Delete Rule: Based on comment in TM 55-1520-248-10, Para 8-36, May 1997																
Comments																	
Changed Source?	Y		Are There Any (2) Options?				N		Any Change to Record?				Y				

ID #	170	System Name	OH-58D		Rule 1 #	56	Rule 2 #		Delete Rule?	N							
Old Color	2	New Color	1		Changed Color?						Y						
Parameter 1 #	10	Old Param. 1 ID	freezingrain		New Param. 1 ID	Freezing Rain		Changed Param. 1?	N								
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?									
Old Value 1	0		New Value 1	None		Changed Value 1?					Y						
Old Value 2			New Value 2			Changed Value 2?											
Old Operator 1	>	New Opt. 1	>		Changed Opt. 1?	N		Old Opt. 2			New Opt. 2			Changed Opt. 2?			
Old Condensed Impact	Freezing Rain		New Condensed Impact	Freezing Rain		Changed Condensed Impact?					N						
Old Full Impact	Any occurrence of freezing rain delays mission launch because exposed aircraft must be deiced.																
New Full Impact	Any occurrence of freezing rain delays mission launch because exposed aircraft must be deiced.																
															Changed Full Impact?	N	
Old Source	(1st Cavalry Division, 1992);																
New Source/Reason for Delete	TM 55-1520-248-10, Para 8-34, Jun 1997																
Comments																	
Changed Source?	Y		Are There Any (2) Options?				N		Any Change to Record?				Y				

IWEDA System Rules

ID #	171	System Name	OH-58D		Rule 1 #	67	Rule 2 #		Delete Rule?	N					
Old Color	1	New Color	2		Changed Color?			Y							
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed		New Param. 1 ID	Surface Wind Speed		Changed Param. 1?	N						
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?							
Old Value 1	20		New Value 1	45 kts.		Changed Value1?	Y								
Old Value 2			New Value 2			Changed Value 2?									
Old Operator 1	>=		New Opt. 1	>		Changed Opt. 1?	Y		Old Opt. 2		New Opt. 2		Changed Opt. 2?		
Old Condensed Impact	Surface Wind		New Condensed Impact	Strong Surface Wind		Changed Condensed Impact?	Y								
Old Full Impact	Surface wind speed > 20 kts impacts the ability to take-off safely.														
New Full Impact	When speed > 45 kts. helicopter should not be started.														
											Changed Full Impact?	Y			
Old Source	(1st Cavalry Division, 1992);														
New Source/ Reason for Delete	TM 55-1520-248-10, Para 5-7b, Jun 1997														
Comments															
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y						

ID #	172	System Name	OH-58D		Rule 1 #	68	Rule 2 #		Delete Rule?	Y					
Old Color	2	New Color			Changed Color?										
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed		New Param. 1 ID			Changed Param. 1?							
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?							
Old Value 1	45		New Value 1			Changed Value1?									
Old Value 2			New Value 2			Changed Value 2?									
Old Operator 1	>		New Opt. 1			Changed Opt. 1?			Old Opt. 2		New Opt. 2		Changed Opt. 2?		
Old Condensed Impact	Surface Wind		New Condensed Impact			Changed Condensed Impact?									
Old Full Impact	Surface wind speed > 45 kts exceeds the system operatin limits to take-off.														
New Full Impact															
											Changed Full Impact?				
Old Source	(1st Cavalry Division, 1992);														
New Source/ Reason for Delete	Delete Rule: Duplicate of ID# 171														
Comments															
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y						

IWEDA System Rules

ID #	173	System Name	OH-58D		Rule 1 #	75	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2		Changed Color?			N			
Parameter 1 #	20	Old Param. 1 ID	surfacewindgust		New Param. 1 ID	Surface Wind Gust		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	30		New Value 1	15 kts.		Changed Value1?		Y			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>=		New Opt. 1	>=		Changed Opt. 1?	N		Old Opt. 2		
			New Opt. 2			Changed Opt. 2?					
Old Condensed Impact	Gust		New Condensed Impact	Wind Gust		Changed Condensed Impact?		Y			
Old Full Impact	Surface wind gust >= 30 kts exceeds the system limits to start engines.										
New Full Impact	Surface wind gust >= 15 kts exceeds the system limits to start engines.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	TM 55-1520-248-10, Para 5-7b, Jun 1997										
Comments											
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

ID #	174	System Name	OH-58D		Rule 1 #	76	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	2		Changed Color?			Y			
Parameter 1 #	12	Old Param. 1 ID	icingintensity		New Param. 1 ID	Icing Intensity		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	0		New Value 1	None		Changed Value1?		Y			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>		New Opt. 1	>		Changed Opt. 1?	N		Old Opt. 2		
			New Opt. 2			Changed Opt. 2?					
Old Condensed Impact	Icing Aloft		New Condensed Impact	Icing Aloft		Changed Condensed Impact?		N			
Old Full Impact	Upper-level icing intensity > none may degrade performance.										
New Full Impact	Intentional flight into any known icing conditions is prohibited if flying between (~Icing base) & (~Icing tops) feet AGL.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	TM 55-1520-248-10, Para 8-39, Jun 1997										
Comments											
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

IWEDA System Rules

ID #	175	System Name	OH-58D		Rule 1 #	77	Rule 2 #		Delete Rule?	Y	
Old Color	2	New Color			Changed Color?						
Parameter 1 #	12	Old Param. 1 ID	icingintensity		New Param. 1 ID			Changed Param. 1?			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	1		New Value 1			Changed Value1?					
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Icing Aloft		New Condensed Impact			Changed Condensed Impact?					
Old Full Impact	IAW AR95-1, aircraft cannot fly into areas of icing intensity > light.										
New Full Impact											
										Changed Full Impact?	
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	Delete Rule: Not necessary. Covered in Sys ID# 174										
Comments											
Changed Source?	Y	Are There Any (2) Options?	N	Any Change to Record?	Y						

ID #	176	System Name	OH-58D		Rule 1 #	79	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?	N					
Parameter 1 #	24	Old Param. 1 ID	turbulenceintensity		New Param. 1 ID	Turbulence Intensity		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	1		New Value 1	Moderate		Changed Value1?	Y				
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1	<=	Changed Opt. 1?	Y	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Turbulence Aloft		New Condensed Impact	Turbulence Aloft		Changed Condensed Impact?	N				
Old Full Impact	Upper-level turbulence > light intensity degrades flying safety.										
New Full Impact	Upper-level turbulence <= moderate intensity degrades flying safety if flying between (~turbulence base) & (~turbulence tops) in feet AGL, if report is for helicopters or light aircraft <= 12500 lbs.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	TM 55-1520-248-10, Para 5-14, Jun 1997										
Comments											
Changed Source?	Y	Are There Any (2) Options?	N	Any Change to Record?	Y						

IWEDA System Rules

ID #	177	System Name	OH-58D		Rule 1 #	80	Rule 2 #		Delete Rule?	N					
Old Color	2	New Color	2		Changed Color?						N				
Parameter 1 #	24	Old Param. 1 ID	turbulenceintensity		New Param. 1 ID	Turbulence Intensity		Changed Param. 1?	N						
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?							
Old Value 1	2		New Value 1	Moderate		Changed Value1?	Y								
Old Value 2			New Value 2			Changed Value 2?									
Old Operator 1	>		New Opt. 1	>		Changed Opt. 1?	N		Old Opt. 2		New Opt. 2		Changed Opt. 2?		
Old Condensed Impact	Turbulence Aloft		New Condensed Impact	Severe Turbulence Aloft		Changed Condensed Impact?	Y								
Old Full Impact	Upper-level turbulence > moderate intensity exceeds the operating limits.														
New Full Impact	Upper-level turbulence > moderate intensity exceeds the operating limits if flying between (~turbulence base) & (~turbulence tops) in ft AGL, if report is for helicopters or light aircraft <= 12500 lbs.														
													Changed Full Impact?	Y	
Old Source	(1st Cavalry Division, 1992);														
New Source/ Reason for Delete	TM 55-1520-248-10, Para 5-14, Jun 1997														
Comments															
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y						

ID #	178	System Name	OH-58D		Rule 1 #	85	Rule 2 #		Delete Rule?	N					
Old Color	1	New Color	1		Changed Color?						N				
Parameter 1 #	13	Old Param. 1 ID	pressurealtitude		New Param. 1 ID	Pressure Altitude		Changed Param. 1?	N						
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?							
Old Value 1	5000		New Value 1	5000 ft.		Changed Value1?	N								
Old Value 2			New Value 2			Changed Value 2?									
Old Operator 1	>		New Opt. 1	>		Changed Opt. 1?	N		Old Opt. 2		New Opt. 2		Changed Opt. 2?		
Old Condensed Impact	Pressure Altitude		New Condensed Impact	High Pressure Altitude		Changed Condensed Impact?	Y								
Old Full Impact	Operating performance of rotary wing aircraft is decreased when operating at pressure altitudes > 5000 ft.														
New Full Impact	Operating performance of rotary wing aircraft is decreased when operating at pressure altitudes > 5000 ft.														
													Changed Full Impact?	N	
Old Source	(1st Cavalry Division, 1992);														
New Source/ Reason for Delete	TM 55-1520-248-10, Chapter 7, May 1997 FM 1-230, Para 5-8, Sep 1982														
Comments															
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y						

IWEDA System Rules

ID #	179	System Name	OH-58D		Rule 1 #	86	Rule 2 #		Delete Rule?	Y	
Old Color	2	New Color			Changed Color?						
Parameter 1 #	13	Old Param. 1 ID	pressurealtitude		New Param. 1 ID			Changed Param. 1?			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	10000		New Value 1			Changed Value1?					
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Pressure Altitude		New Condensed Impact			Changed Condensed Impact?					
Old Full Impact	Operating performance of rotary wing aircraft is significantly decreased when operating at pressure altitudes > 10,000 ft. Actions may be required to reduce payload or fuel to retain lift capability.										
New Full Impact											
										Changed Full Impact?	
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	Delete Rule: This is too restrictive as a red condition, pilot has options. It is included in > 5000 ft as an amber condition.										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	180	System Name	OV-1		Rule 1 #	28	Rule 2 #		Delete Rule?	Y	
Old Color	1	New Color			Changed Color?						
Parameter 1 #	18	Old Param. 1 ID	snowdepth		New Param. 1 ID			Changed Param. 1?			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	3		New Value 1			Changed Value1?					
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>=	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Snow Cover		New Condensed Impact			Changed Condensed Impact?					
Old Full Impact	Snow depth >= 3 inches on the runway degrades aircraft braking.										
New Full Impact											
										Changed Full Impact?	
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	Delete Rule: No longer in inventory										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA System Rules

ID #	181	System Name	OV-1	Rule 1 #	29	Rule 2 #		Delete Rule?	☒		
Old Color	2	New Color		Changed Color?						☐	
Parameter 1 #	18	Old Param. 1 ID	snowdepth	New Param. 1 ID		Changed Param. 1?				☐	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?				☐	
Old Value 1	6	New Value 1		Changed Value1?				☐			
Old Value 2		New Value 2		Changed Value 2?				☐			
Old Operator 1	>=	New Opt. 1		Changed Opt. 1?	☐	Old Opt. 2		New Opt. 2		Changed Opt. 2?	☐
Old Condensed Impact	Snow Cover			New Condensed Impact		Changed Condensed Impact?				☐	
Old Full Impact	Snow depth >= 6 inches on the runway significantly degrades aircraft braking.										
New Full Impact											
										Changed Full Impact?	☐
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	Delete Rule: No longer in inventory										
Comments											
Changed Source?	☒	Are There Any (2) Options?				☒	Any Change to Record?				☒

ID #	182	System Name	OV-1	Rule 1 #	32	Rule 2 #		Delete Rule?	☒		
Old Color	2	New Color		Changed Color?						☐	
Parameter 1 #	23	Old Param. 1 ID	thunderstorm	New Param. 1 ID		Changed Param. 1?				☐	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?				☐	
Old Value 1	1	New Value 1	yes	Changed Value1?				☐			
Old Value 2		New Value 2		Changed Value 2?				☐			
Old Operator 1	=	New Opt. 1	=	Changed Opt. 1?	☐	Old Opt. 2		New Opt. 2		Changed Opt. 2?	☐
Old Condensed Impact	Thunderstorm			New Condensed Impact		Changed Condensed Impact?				☐	
Old Full Impact	Any occurrence of thunderstorms curtail aircraft and refueling operations due to safely considerations.										
New Full Impact											
										Changed Full Impact?	☐
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	Delete Rule: No longer in inventory										
Comments											
Changed Source?	☒	Are There Any (2) Options?				☒	Any Change to Record?				☒

IWEDA System Rules

ID #	183	System Name	OV-1		Rule 1 #	56	Rule 2 #		Delete Rule?	☒	
Old Color	2	New Color			Changed Color?			☐			
Parameter 1 #	10	Old Param. 1 ID	freezingrain		New Param. 1 ID			Changed Param. 1?	☐		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?	☐		
Old Value 1	0		New Value 1			Changed Value1?		☐			
Old Value 2			New Value 2			Changed Value 2?		☐			
Old Operator 1	>	New Opt. 1		Changed Opt. 1?	☐	Old Opt. 2		New Opt. 2		Changed Opt. 2?	☐
Old Condensed Impact	Freezing Rain		New Condensed Impact			Changed Condensed Impact?		☐			
Old Full Impact	Any occurrence of freezing rain delays mission launch because exposed aircraft must be deiced.										
New Full Impact											
										Changed Full Impact?	☐
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	Delete Rule: No longer in inventory										
Comments											
Changed Source?	☒	Are There Any (2) Options?	☒		Any Change to Record?		☒				

ID #	184	System Name	OV-1		Rule 1 #	77	Rule 2 #		Delete Rule?	☒	
Old Color	1	New Color			Changed Color?			☐			
Parameter 1 #	12	Old Param. 1 ID	icingintensity		New Param. 1 ID			Changed Param. 1?	☐		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?	☐		
Old Value 1	1		New Value 1	Trace		Changed Value1?		☐			
Old Value 2			New Value 2			Changed Value 2?		☐			
Old Operator 1	>	New Opt. 1	>=	Changed Opt. 1?	☐	Old Opt. 2		New Opt. 2		Changed Opt. 2?	☐
Old Condensed Impact	Icing Aloft		New Condensed Impact			Changed Condensed Impact?		☐			
Old Full Impact	Upper-level icing intensity > light may degrade performance.										
New Full Impact											
										Changed Full Impact?	☐
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	Delete Rule: No longer in inventory										
Comments											
Changed Source?	☒	Are There Any (2) Options?	☒		Any Change to Record?		☒				

IWEDA System Rules

ID #	185	System Name	OV-1		Rule 1 #	78	Rule 2 #		Delete Rule?	Y					
Old Color	2	New Color			Changed Color?										
Parameter 1 #	12	Old Param. 1 ID	icingintensity		New Param. 1 ID			Changed Param. 1?							
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?							
Old Value 1	2		New Value 1			Changed Value1?									
Old Value 2			New Value 2			Changed Value 2?									
Old Operator 1	>	New Opt. 1			Changed Opt. 1?			Old Opt. 2			New Opt. 2			Changed Opt. 2?	
Old Condensed Impact	Icing Aloft		New Condensed Impact			Changed Condensed Impact?									
Old Full Impact	IAW AR95-1, aircraft cannot fly into areas of icing intensity > moderate.														
New Full Impact															
													Changed Full Impact?		
Old Source	(1st Cavalry Division, 1992);														
New Source/Reason for Delete	Delete Rule: No longer in inventory														
Comments															
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y				

ID #	186	System Name	OV-1		Rule 1 #	79	Rule 2 #		Delete Rule?	Y					
Old Color	1	New Color			Changed Color?										
Parameter 1 #	24	Old Param. 1 ID	turbulenceintensity		New Param. 1 ID			Changed Param. 1?							
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?							
Old Value 1	1		New Value 1			Changed Value1?									
Old Value 2			New Value 2			Changed Value 2?									
Old Operator 1	>	New Opt. 1			Changed Opt. 1?			Old Opt. 2			New Opt. 2			Changed Opt. 2?	
Old Condensed Impact	Turbulence Aloft		New Condensed Impact			Changed Condensed Impact?									
Old Full Impact	Upper-level turbulence > light intensity degrades flying safety.														
New Full Impact															
													Changed Full Impact?		
Old Source	(1st Cavalry Division, 1992);														
New Source/Reason for Delete	Delete Rule: No longer in inventory														
Comments															
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y				

IWEDA System Rules

ID #	187	System Name	OV-1	Rule 1 #	80	Rule 2 #		Delete Rule?	☒	
Old Color	2	New Color		Changed Color?					☐	
Parameter 1 #	24	Old Param. 1 ID	turbulenceintensity	New Param. 1 ID		Changed Param. 1?			☐	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?			☐	
Old Value 1	2	New Value 1		Changed Value1?					☐	
Old Value 2		New Value 2		Changed Value 2?					☐	
Old Operator 1	>	New Opt. 1		Changed Opt. 1?	☐	Old Opt. 2		New Opt. 2		
Old Condensed Impact	Turbulence Aloft			New Condensed Impact		Changed Condensed Impact?			☐	
Old Full Impact	IAW AR95-1, aircraft will not be flown into known or forecast areas of severe turbulence.									
New Full Impact										
									Changed Full Impact?	☐
Old Source	(1st Cavalry Division, 1992);									
New Source/Reason for Delete	Delete Rule: No longer in inventory									
Comments										
Changed Source?	☒	Are There Any (2) Options?			☒	Any Change to Record?			☒	

ID #	188	System Name	PPS-5B	Rule 1 #	7	Rule 2 #		Delete Rule?	☒	
Old Color	1	New Color	1	Changed Color?					☒	
Parameter 1 #	22	Old Param. 1 ID	temperature	New Param. 1 ID	Temperature	Changed Param. 1?			☒	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?			☐	
Old Value 1	-25	New Value 1	- 25 F	Changed Value1?					☒	
Old Value 2		New Value 2		Changed Value 2?					☐	
Old Operator 1	<=	New Opt. 1	<=	Changed Opt. 1?	☒	Old Opt. 2		New Opt. 2		
Old Condensed Impact	Cold			New Condensed Impact	Extreme Cold	Changed Condensed Impact?			☒	
Old Full Impact	Temperatures <= -25 F make operating the PPS-5B difficult without a shelter.									
New Full Impact	Temperatures <= -25 F make operating the PPS-5B difficult without a shelter.									
									Changed Full Impact?	☒
Old Source	(1st Cavalry Division, 1992);									
New Source/Reason for Delete	TM 11-5840-298-12, Para 3-28, Jun 1986									
Comments										
Changed Source?	☒	Are There Any (2) Options?			☒	Any Change to Record?			☒	

IWEDA System Rules

ID #	189	System Name	PPS-5B		Rule 1 #	12	Rule 2 #		Delete Rule?	N		
Old Color	2	New Color	2		Changed Color?			N				
Parameter 1 #	22	Old Param. 1 ID	temperature		New Param. 1 ID	Temperature		Changed Param. 1?	N			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?				
Old Value 1	-40		New Value 1	- 40 F		Changed Value1?		N				
Old Value 2			New Value 2			Changed Value 2?						
Old Operator 1	<=	New Opt. 1	<=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?		
Old Condensed Impact	Cold		New Condensed Impact	Extreme Cold		Changed Condensed Impact?		Y				
Old Full Impact	Temperatures <= -40 F exceed the operational limits.											
New Full Impact	Extreme Cold Temperatures <= -40F can snap cable lines, decrease battery life, cause ducting											
											Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);											
New Source/Reason for Delete	FM 90-22, Chapter 1, Section "Adverse Weather:, Para "Radar Systems", Jan 1991											
Comments												
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y	

ID #	190	System Name	PPS-5B		Rule 1 #	53	Rule 2 #		Delete Rule?	N		
Old Color	1	New Color	1		Changed Color?			N				
Parameter 1 #	14	Old Param. 1 ID	rain		New Param. 1 ID	Rain		Changed Param. 1?	N			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?				
Old Value 1	0		New Value 1	None		Changed Value1?		Y				
Old Value 2			New Value 2			Changed Value 2?						
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?		
Old Condensed Impact	Precipitation		New Condensed Impact	Rain		Changed Condensed Impact?		Y				
Old Full Impact	Any occurrence of rainfall causes background noise which makes target identification difficult. However, heay rainfall makes the detection of small targets (people) difficult.											
New Full Impact	Any occurrence of rainfall causes background noise which makes target identification difficult. However, heavy rainfall makes the detection of small targets (people) difficult.											
											Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);											
New Source/Reason for Delete	TM 11-5840-298-12, Para 3-27, Jun 1986											
Comments												
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y	

IWEDA System Rules

ID #	191	System Name	PPS-5B		Rule 1 #	58	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?			N			
Parameter 1 #	17	Old Param. 1 ID	snow		New Param. 1 ID	Snow		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	3		New Value 1	Heavy		Changed Value1?		Y			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	=	New Opt. 1	=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Snow		New Condensed Impact	Heavy Snow		Changed Condensed Impact?		Y			
Old Full Impact	Heavy snowfall makes the detections of small targets (people) difficult.										
New Full Impact	Heavy snowfall makes the detection of small targets (people) difficult.										
										Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	FM 90-22, Chapter 1, Section "Adverse Weather", Para "Radar Systems", and Appendix D, Para "GSR Systems", Jan 1991										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	192	System Name	PPS-5B		Rule 1 #	64	Rule 2 #		Delete Rule?	Y	
Old Color	1	New Color			Changed Color?						
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed		New Param. 1 ID			Changed Param. 1?			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	15		New Value 1			Changed Value1?					
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Surface Wind		New Condensed Impact			Changed Condensed Impact?					
Old Full Impact	Surface wind speed > 15 kts and heavy vegetation makes target detection difficult due to heavy background noise.										
New Full Impact											
										Changed Full Impact?	
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	Delete Rule: TM11-5840-298-12, Jun 1967, Operator's Manual makes no mention of this wind impact in unusual conditions.										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA System Rules

ID #	193	System Name	PPS-5B		Rule 1 #	65	Rule 2 #		Delete Rule?	☒						
Old Color	2	New Color			Changed Color?						☐					
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed		New Param. 1 ID			Changed Param. 1?			☐					
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			☐					
Old Value 1	40		New Value 1			Changed Value1?					☐					
Old Value 2			New Value 2			Changed Value 2?					☐					
Old Operator 1	>=		New Opt. 1			Changed Opt. 1?	☐		Old Opt. 2			New Opt. 2			Changed Opt. 2?	☐
Old Condensed Impact	Surface Wind		New Condensed Impact			Changed Condensed Impact?						☐				
Old Full Impact	Surface wind speed >= 40 kts and heavy vegetation makes target detection very difficult due to excessive background noise.															
New Full Impact																
													Changed Full Impact?	☐		
Old Source	(1st Cavalry Division, 1992);															
New Source/ Reason for Delete	Delete Rule: TM11-5840-298-12, Jun 1967, Operator's Manual makes no mention of this wind impact in unusual conditions.															
Comments																
Changed Source?	☒		Are There Any (2) Options?		☒		Any Change to Record?		☒							

ID #	194	System Name	RC-12		Rule 1 #	32	Rule 2 #		Delete Rule?	☒						
Old Color	1	New Color	1		Changed Color?						☒					
Parameter 1 #	23	Old Param. 1 ID	thunderstorm		New Param. 1 ID	Thunderstorm		Changed Param. 1?			☒					
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			☐					
Old Value 1	1		New Value 1	yes		Changed Value1?					☒					
Old Value 2			New Value 2			Changed Value 2?					☐					
Old Operator 1	=		New Opt. 1	=		Changed Opt. 1?	☒		Old Opt. 2			New Opt. 2			Changed Opt. 2?	☐
Old Condensed Impact	Thunderstorm		New Condensed Impact	Thunderstorm		Changed Condensed Impact?						☒				
Old Full Impact	Any occurrence of thunderstorms may cause delay of mission launch and limit areas of operation.															
New Full Impact	Any occurrence of thunderstorms may cause delay of mission launch and limit areas of operation.															
													Changed Full Impact?	☒		
Old Source	(1st Cavalry Division, 1992);															
New Source/ Reason for Delete	TM 55-1510-218-10, Para 8-63, Feb 1994															
Comments																
Changed Source?	☒		Are There Any (2) Options?		☒		Any Change to Record?		☒							

IWEDA System Rules

ID #	195	System Name	RC-12	Rule 1 #	33	Rule 2 #		Delete Rule?	N
Old Color	1	New Color	1	Changed Color?				N	
Parameter 1 #	11	Old Param. 1 ID	hail	New Param. 1 ID	Hail	Changed Param. 1?		N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?			
Old Value 1	1	New Value 1	yes	Changed Value1?		Y			
Old Value 2		New Value 2		Changed Value 2?					
Old Operator 1	=	New Opt. 1	=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2	
Old Condensed Impact	Hail		New Condensed Impact	Hail		Changed Condensed Impact?		N	
Old Full Impact	Any occurrence of hail may cause delay of mission launch and limit areas of operation. Hail will damage aircraft and sensors and may force mission delays or deviations.								
New Full Impact	Any occurrence of hail may cause delay of mission launch and limit areas of operation. Hail will damage aircraft and sensors and may force mission delays or deviations.								
								Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);								
New Source/ Reason for Delete	FM 1-230, Para 12-7, Sep 1982								
Comments									
Changed Source?	Y	Are There Any (2) Options?			N	Any Change to Record?			Y

ID #	196	System Name	RC-12	Rule 1 #	56	Rule 2 #		Delete Rule?	N
Old Color	2	New Color	2	Changed Color?				N	
Parameter 1 #	10	Old Param. 1 ID	freezingrain	New Param. 1 ID	Freezing Rain	Changed Param. 1?		N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?			
Old Value 1	0	New Value 1	Moderate	Changed Value1?		Y			
Old Value 2		New Value 2		Changed Value 2?					
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2	
Old Condensed Impact	Freezing Rain		New Condensed Impact	Heavy Freezing Rain		Changed Condensed Impact?		Y	
Old Full Impact	Freezing rain may delay mission launch and recovery due to icy runway conditions and deicing of aircraft.								
New Full Impact	Freezing rain > moderate creates conditions unsafe for aircraft operations. Mission may be canceled or delayed due to icing.								
								Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);								
New Source/ Reason for Delete	TM 55-1510-218-10, Para 8-64, Feb 1994								
Comments	TM did not mention intensity. Our best estimate.								
Changed Source?	Y	Are There Any (2) Options?			N	Any Change to Record?			Y

IWEDA System Rules

ID #	197	System Name	RC-12		Rule 1 #	58	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?			N			
Parameter 1 #	17	Old Param. 1 ID	snow		New Param. 1 ID	Snow		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	3		New Value 1	Heavy		Changed Value 1?		Y			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	=	New Opt. 1	=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Snow		New Condensed Impact	Heavy Snow		Changed Condensed Impact?		Y			
Old Full Impact	Heavy snow delays mission launch and recovery due to low ceilings and visibilities.										
New Full Impact	Heavy snow delays mission launch and recovery due to low ceilings and visibilities.										
										Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	AR 95-1, Para 5-2(d)5, May 1990										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	198	System Name	RC-12		Rule 1 #	66	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?			N			
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed		New Param. 1 ID	Surface Wind Speed		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	25		New Value 1	25 kts.		Changed Value 1?		N			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>=	New Opt. 1	>	Changed Opt. 1?	Y	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Surface Wind		New Condensed Impact	Surface Wind		Changed Condensed Impact?		N			
Old Full Impact	Surface winds > 25 kts degrade aircraft ability to take off and land safely.										
New Full Impact	Surface winds > 25 kts may degrade aircraft ability to take off and land safely.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	TM 55-1510-218-10, Para 8-33, Dec 1994 Interview with Mr. John Benham, Instructor Pilot C12, Chief Aviation Applied Technology Division, Felker Army Airfield, Ft. Eustis, VA, Aug 1997										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA System Rules

ID #	199	System Name	RC-12		Rule 1 #	68	Rule 2 #		Delete Rule?	☒		
Old Color	2	New Color			Changed Color?						☐	
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed		New Param. 1 ID			Changed Param. 1?	☐			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?	☐			
Old Value 1	45		New Value 1			Changed Value1?		☐				
Old Value 2			New Value 2			Changed Value 2?		☐				
Old Operator 1	>	New Opt. 1		Changed Opt. 1?	☐	Old Opt. 2		New Opt. 2		Changed Opt. 2?	☐	
Old Condensed Impact	Surface Wind		New Condensed Impact			Changed Condensed Impact?		☐				
Old Full Impact	Surface winds > 45 kts exceed aircraft ability to take off and land safely.											
New Full Impact												
Changed Full Impact?												☐
Old Source	(1st Cavalry Division, 1992);											
New Source/Reason for Delete	Delete Rule: No mention in TM 55-1510-218-10, Feb 1994											
Comments												
Changed Source?	☒	Are There Any (2) Options?				☐	Any Change to Record?				☒	

ID #	200	System Name	RC-12		Rule 1 #	78	Rule 2 #		Delete Rule?	☐		
Old Color	2	New Color	1		Changed Color?						☒	
Parameter 1 #	12	Old Param. 1 ID	icingintensity		New Param. 1 ID	Icing Intensity		Changed Param. 1?	☐			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?	☐			
Old Value 1	2		New Value 1	Moderate		Changed Value1?		☒				
Old Value 2			New Value 2			Changed Value 2?		☐				
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	☐	Old Opt. 2		New Opt. 2		Changed Opt. 2?	☐	
Old Condensed Impact	Icing Aloft		New Condensed Impact	Severe Icing Aloft		Changed Condensed Impact?		☒				
Old Full Impact	Icing aloft > moderate creates conditions which exceed aircraft ability to fly safely, even with anti-icing and deicing systems engaged.											
New Full Impact	Icing aloft > moderate creates conditions which exceed aircraft ability to fly safely, even with anti-icing and deicing systems engaged, if flight level is between (~icing base) and (~icing top) feet AGL.											
Changed Full Impact?												☒
Old Source	(1st Cavalry Division, 1992);											
New Source/Reason for Delete	TM 55-1510-218-10, Para 8-64, Feb 1994											
Comments												
Changed Source?	☒	Are There Any (2) Options?				☐	Any Change to Record?				☒	

IWEDA System Rules

ID #	201	System Name	RC-12		Rule 1 #	79	Rule 2 #		Delete Rule?	Y	
Old Color	1	New Color			Changed Color?						
Parameter 1 #	24	Old Param. 1 ID	turbulenceintensity	New Param. 1 ID			Changed Param. 1?				
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	1		New Value 1			Changed Value1?					
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Turbulence Aloft		New Condensed Impact			Changed Condensed Impact?					
Old Full Impact	Turbulence > light aloft makes the platform unstable and degrades sensor performance.										
New Full Impact											
										Changed Full Impact?	
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	Delete Rule: Not significant. See Rule ID# 202										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	202	System Name	RC-12		Rule 1 #	80	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	1		Changed Color?	Y					
Parameter 1 #	24	Old Param. 1 ID	turbulenceintensity	New Param. 1 ID	Turbulence Intensity		Changed Param. 1?	N			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	2		New Value 1	Moderate		Changed Value1?	Y				
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Turbulence Aloft		New Condensed Impact	Severe Turbulence Aloft		Changed Condensed Impact?	Y				
Old Full Impact	Turbulence > moderate aloft makes the platform very unstable, severely degrades sensor performance, and creates unsafe conditions for flight.										
New Full Impact	Areas of > moderate turbulence forecast between (~turbulence base) & (~turbulence top) feet AGL should be avoided. Flying in these areas will make control of aircraft difficult & delay mission completion due to decreased airspeed.										
										Changed Full Impact?	
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	TM 55-1510-218-10, Para 8-63, Feb 1994 Interview with Mr. John Benham, Instructor Pilot C12, Chief Aviation Applied Technology division, Felker Army Airfield, Ft. Eustis, VA, Aug 1997										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA System Rules

ID #	203	System Name	TLQ-17A		Rule 1 #	3	Rule 2 #		Delete Rule?	N					
Old Color	2	New Color	2		Changed Color?						N				
Parameter 1 #	8	Old Param. 1 ID	elevation		New Param. 1 ID	Freezing Rain		Changed Param. 1?	Y						
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?							
Old Value 1	10000		New Value 1	Light		Changed Value1?	Y								
Old Value 2			New Value 2			Changed Value 2?									
Old Operator 1	>=		New Opt. 1	>=		Changed Opt. 1?	N		Old Opt. 2		New Opt. 2		Changed Opt. 2?		
Old Condensed Impact	Elevation		New Condensed Impact	Moderate Freezing Rain		Changed Condensed Impact?	Y								
Old Full Impact	Operating at elevations >= 10,000 feet exceeds the system specifications.														
New Full Impact	The LPA antenna and mast will not operate properly with more than 1/4 inch ice buildup.														
											Changed Full Impact?	Y			
Old Source	(1st Cavalry Division, 1992);														
New Source/ Reason for Delete	TM 32-5865-301-10, Para 2-37, Apr 1992														
Comments															
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y						

ID #	204	System Name	TPQ-36		Rule 1 #	69	Rule 2 #		Delete Rule?	N					
Old Color	1	New Color	1		Changed Color?						N				
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed		New Param. 1 ID	Surface Wind Speed		Changed Param. 1?	N						
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?							
Old Value 1	35		New Value 1	35 Kts.		Changed Value1?	N								
Old Value 2			New Value 2			Changed Value 2?									
Old Operator 1	>=		New Opt. 1	>=		Changed Opt. 1?	N		Old Opt. 2		New Opt. 2		Changed Opt. 2?		
Old Condensed Impact	Surface Wind		New Condensed Impact	Surface Wind		Changed Condensed Impact?	N								
Old Full Impact	Surface wind speed >= 35 kts reduces the effectiveness of the antenna due to reduced stability.														
New Full Impact	Surface wind speed >= 35 kts reduces the effectiveness of the antenna due to reduced stability.														
											Changed Full Impact?	N			
Old Source	(1st Cavalry Division, 1992);														
New Source/ Reason for Delete	FM 34-81-1, Appendix D-5, Dec 1992														
Comments															
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y						

IWEDA System Rules

ID #	205	System Name	TPQ-36		Rule 1 #	70	Rule 2 #		Delete Rule?	☒		
Old Color	2	New Color			Changed Color?						☐	
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed		New Param. 1 ID			Changed Param. 1?			☐	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			☐	
Old Value 1	80		New Value 1			Changed Value1?					☐	
Old Value 2			New Value 2			Changed Value 2?					☐	
Old Operator 1	>=		New Opt. 1			Changed Opt. 1?	☐		Old Opt. 2			
			New Opt. 2					Changed Opt. 2?		☐		
Old Condensed Impact	Surface Wind		New Condensed Impact			Changed Condensed Impact?					☐	
Old Full Impact	Surface wind speed >= 80 kts exceeds the operational limits and causes the antenna to be stowed.											
New Full Impact												
	Changed Full Impact?											☐
Old Source	(1st Cavalry Division, 1992);											
New Source/ Reason for Delete	Delete Rule: Covered by ID# 204											
Comments												
Changed Source?	☒		Are There Any (2) Options?		☒		Any Change to Record?		☒			

ID #	206	System Name	TPQ-36		Rule 1 #	141	Rule 2 #	141	Delete Rule?	☒		
Old Color	1	New Color	1		Changed Color?						☒	
Parameter 1 #	26	Old Param. 1 ID	visibility		New Param. 1 ID	Visibility		Changed Param. 1?			☒	
Parameter 2 #	1	Old Param. 2 ID	blowingsand		New Param. 2 ID	Blowing Sand		Changed Param. 2?			☒	
Old Value 1	800		New Value 1	800 meters		Changed Value1?					☒	
Old Value 2	1		New Value 2	Yes		Changed Value 2?					☒	
Old Operator 1	<		New Opt. 1	<		Changed Opt. 1?	☒		Old Opt. 2	=		
			New Opt. 2	=				Changed Opt. 2?		☒		
Old Condensed Impact	Sandstorm		New Condensed Impact	Sandstorm		Changed Condensed Impact?					☒	
Old Full Impact	Any occurrence of blowing sand and visibility < 0.5 mile (800 m) degrades the systems ability to locate targets.											
New Full Impact	Any occurrence of blowing sand and visibility < 0.5 mile (800 m) degrades the systems ability to locate targets.											
	Changed Full Impact?											☒
Old Source	(1st Cavalry Division, 1992);											
New Source/ Reason for Delete	FM 34-81-1, Appendix E-7, Dec 1992											
Comments												
Changed Source?	☒		Are There Any (2) Options?		☒		Any Change to Record?		☒			

IWEDA System Rules

ID #	207	System Name	TPQ-36		Rule 1 #	142	Rule 2 #	142	Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?					N	
Parameter 1 #	26	Old Param. 1 ID	visibility		New Param. 1 ID	Visibility		Changed Param. 1?	N		
Parameter 2 #	2	Old Param. 2 ID	blowingsnow		New Param. 2 ID	Blowing Snow		Changed Param. 2?	N		
Old Value 1	800		New Value 1	800 meters		Changed Value1?		N			
Old Value 2	1		New Value 2	Yes		Changed Value 2?		Y			
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	=	New Opt. 2	=	Changed Opt. 2?	N
Old Condensed Impact	Snowstorm		New Condensed Impact	Snowstorm		Changed Condensed Impact?		N			
Old Full Impact	Any occurrence of blowing snow and visibility < 0.5 mile (800 m) degrades the systems ability to locate targets.										
New Full Impact	Any occurrence of blowing snow and visibility < 0.5 mile (800 m) degrades the systems ability to locate targets.										
Changed Full Impact?											N
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	FM 34-81-1, Appendix E-7, Dec 1992										
Comments											
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?				Y

ID #	208	System Name	TPQ-37		Rule 1 #	69	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	2		Changed Color?					Y	
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed		New Param. 1 ID	Surface Wind Speed		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	35		New Value 1	35 kts		Changed Value1?		N			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>=	New Opt. 1	>=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Surface Wind		New Condensed Impact	Surface Wind		Changed Condensed Impact?		N			
Old Full Impact	Surface wind speed >= 35 kts reduces the effectiveness of the antenna due to reduced stability.										
New Full Impact	Surface wind speed >= 35 kts. causes antenna to be stowed.										
Changed Full Impact?											Y
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	TM11-5840-355-10-1, Page 2-317, Jul 1981										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA System Rules

ID #	209	System Name	TPQ-37		Rule 1 #	71	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2		Changed Color?			N			
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed		New Param. 1 ID	Surface Wind Gust		Changed Param. 1?	Y		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	50		New Value 1	65 kts.		Changed Value 1?		Y			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>=		New Opt. 1	>=		Changed Opt. 1?	N		Old Opt. 2		
			New Opt. 2			Changed Opt. 2?					
Old Condensed Impact	Surface Wind		New Condensed Impact	Surface Wind Gust		Changed Condensed Impact?		Y			
Old Full Impact	Surface wind speed >= 50 kts exceeds operational limits and causes the antenna to be stowed.										
New Full Impact	Surface wind gusts >= 65 kts. causes antenna to be stowed.										
	Changed Full Impact?										Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	TM11-5840-355-10-1, Page 2-317, Jul 1981										
Comments											
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

ID #	210	System Name	TPQ-37		Rule 1 #	141	Rule 2 #	141	Delete Rule?	Y	
Old Color	1	New Color			Changed Color?						
Parameter 1 #	26	Old Param. 1 ID	visibility		New Param. 1 ID			Changed Param. 1?			
Parameter 2 #	1	Old Param. 2 ID	blowingsand		New Param. 2 ID			Changed Param. 2?			
Old Value 1	800		New Value 1			Changed Value 1?					
Old Value 2	1		New Value 2			Changed Value 2?					
Old Operator 1	<		New Opt. 1			Changed Opt. 1?			Old Opt. 2	=	
			New Opt. 2			Changed Opt. 2?					
Old Condensed Impact	Sandstorm		New Condensed Impact			Changed Condensed Impact?					
Old Full Impact	Any occurrence of blowing sand and visibility < 0.5 mile (800 m) degrades the systems ability to locate targets.										
New Full Impact											
	Changed Full Impact?										
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	Delete Rule: TM11-5840-355-10-1, Jul 1981, Operator's Manual makes no mention of this impact in unusual conditions										
Comments											
Changed Source?	Y		Are There Any (2) Options?		Y		Any Change to Record?		Y		

IWEDA System Rules

ID #	211	System Name	TPQ-37		Rule 1 #	142	Rule 2 #	142	Delete Rule?	Y		
Old Color	1	New Color			Changed Color?	☐						
Parameter 1 #	26	Old Param. 1 ID	visibility		New Param. 1 ID			Changed Param. 1?	☐			
Parameter 2 #	2	Old Param. 2 ID	blowingsnow		New Param. 2 ID			Changed Param. 2?	☐			
Old Value 1	800		New Value 1			Changed Value1?	☐					
Old Value 2	1		New Value 2			Changed Value 2?	☐					
Old Operator 1	<	New Opt. 1			Changed Opt. 1?	☐	Old Opt. 2	=	New Opt. 2		Changed Opt. 2?	☐
Old Condensed Impact	Snowstorm		New Condensed Impact			Changed Condensed Impact?	☐					
Old Full Impact	Any occurrence of blowing snow and visibility < 0.5 mile (800 m) degrades the systems ability to locate targets.											
New Full Impact												
											Changed Full Impact?	☐
Old Source	(1st Cavalry Division, 1992);											
New Source/ Reason for Delete	Delete Rule: TM11-5840-355-10-1, Jul 1981, Operator's Manual makes no mention of this impact in unusual conditions											
Comments												
Changed Source?	Y	Are There Any (2) Options?	Y	Any Change to Record?	Y							

ID #	212	System Name	TRQ-32V		Rule 1 #	21	Rule 2 #		Delete Rule?	Y		
Old Color	2	New Color			Changed Color?	☐						
Parameter 1 #	22	Old Param. 1 ID	temperature		New Param. 1 ID			Changed Param. 1?	☐			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?	☐			
Old Value 1	125		New Value 1			Changed Value1?	☐					
Old Value 2			New Value 2			Changed Value 2?	☐					
Old Operator 1	>=	New Opt. 1			Changed Opt. 1?	☐	Old Opt. 2		New Opt. 2		Changed Opt. 2?	☐
Old Condensed Impact	Hot		New Condensed Impact			Changed Condensed Impact?	☐					
Old Full Impact	Temperatures >= 125 F exceed system specifications.											
New Full Impact												
											Changed Full Impact?	☐
Old Source	(1st Cavalry Division, 1992);											
New Source/ Reason for Delete	Delete Rule: No reference or record of system in DA PAM 25-30 ,Army Index of Publications and Forms, 1 Oct 1997											
Comments												
Changed Source?	Y	Are There Any (2) Options?	N	Any Change to Record?	Y							

IWEDA System Rules

ID #	213	System Name	TRQ-32V		Rule 1 #	24	Rule 2 #		Delete Rule?	Y	
Old Color	1	New Color			Changed Color?						
Parameter 1 #	22	Old Param. 1 ID	temperature	New Param. 1 ID			Changed Param. 1?				
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	100		New Value 1			Changed Value1?					
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>=	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Hot		New Condensed Impact			Changed Condensed Impact?					
Old Full Impact	Temperatures >= 100 F preclude sustained operations for more than 3 hours continuously because of power take-off on generator.										
New Full Impact											
										Changed Full Impact?	
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	Delete Rule: No reference or record of system in DA PAM 25-30, Army Index of Publications and Forms, 1 Oct 1997										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	214	System Name	TRQ-32V		Rule 1 #	90	Rule 2 #		Delete Rule?	Y	
Old Color	2	New Color			Changed Color?						
Parameter 1 #	15	Old Param. 1 ID	relativehumidity	New Param. 1 ID			Changed Param. 1?				
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	95		New Value 1			Changed Value1?					
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Relative Humidity		New Condensed Impact			Changed Condensed Impact?					
Old Full Impact	Humidity > 96% greatly decrease system effectiveness.										
New Full Impact											
										Changed Full Impact?	
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	Delete Rule: No reference or record of system in DA PAM 25-30, Army Index of Publications and Forms, 1 Oct 1997										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA System Rules

ID #	215	System Name	TSQ-138		Rule 1 #	7	Rule 2 #		Delete Rule?	N					
Old Color	2	New Color	1		Changed Color?						Y				
Parameter 1 #	22	Old Param. 1 ID	temperature		New Param. 1 ID	Temperature		Changed Param. 1?	N						
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?							
Old Value 1	-25		New Value 1	- 50 F		Changed Value1?	Y								
Old Value 2			New Value 2			Changed Value 2?									
Old Operator 1	<=		New Opt. 1	<=		Changed Opt. 1?	N		Old Opt. 2		New Opt. 2		Changed Opt. 2?		
Old Condensed Impact	Cold		New Condensed Impact	Extreme Cold		Changed Condensed Impact?	Y								
Old Full Impact	Temperatures <= -25 F exceed the operational limits.														
New Full Impact	Temperatures <= -50F exceed design limits														
											Changed Full Impact?	Y			
Old Source	(1st Cavalry Division, 1992);														
New Source/Reason for Delete	Trailblazer Operator Guide, MVP Corporation, Mar 1993, refers to TM5-4120-370-14, Para 2-17, Mar 1983														
Comments															
Changed Source?	Y		Are There Any (2) Options?	N		Any Change to Record?	Y								

ID #	216	System Name	TSQ-138		Rule 1 #	17	Rule 2 #		Delete Rule?	N					
Old Color	2	New Color	1		Changed Color?						Y				
Parameter 1 #	22	Old Param. 1 ID	temperature		New Param. 1 ID	Temperature		Changed Param. 1?	N						
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?							
Old Value 1	120		New Value 1	125 F		Changed Value1?	Y								
Old Value 2			New Value 2			Changed Value 2?									
Old Operator 1	>=		New Opt. 1	>=		Changed Opt. 1?	N		Old Opt. 2		New Opt. 2		Changed Opt. 2?		
Old Condensed Impact	Hot		New Condensed Impact	Extreme Heat		Changed Condensed Impact?	Y								
Old Full Impact	Temperatures >= 120 F exceed the operational limits.														
New Full Impact	Temperatures >= 125F exceed design limits														
											Changed Full Impact?	Y			
Old Source	(1st Cavalry Division, 1992);														
New Source/Reason for Delete	Trailblazer Operator Guide, MVP Corporation Mar 1993 refers to TM 5-4120-370-14, Para 2-16, Mar 1983														
Comments															
Changed Source?	Y		Are There Any (2) Options?	N		Any Change to Record?	Y								

IWEDA System Rules

ID #	217	System Name	TSQ-138	Rule 1 #	25	Rule 2 #		Delete Rule?	N			
Old Color	1	New Color	1	Changed Color?			N					
Parameter 1 #	6	Old Param. 1 ID	dewpoint	New Param. 1 ID	Dew Point		Changed Param. 1?	N				
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID			Changed Param. 2?					
Old Value 1	65		New Value 1	85 F		Changed Value1?	Y					
Old Value 2			New Value 2			Changed Value 2?						
Old Operator 1	<input <="" td="" type="text" value=">="/> <td>New Opt. 1</td> <td> > </td> <td>Changed Opt. 1?</td> <td colspan="2"> Y </td> <td>Old Opt. 2</td> <td> </td> <td>New Opt. 2</td> <td> </td> <td>Changed Opt. 2?</td> <td> </td>	New Opt. 1	>	Changed Opt. 1?	Y		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Dewpoint Temperature		New Condensed Impact	Dewpoint Temperature		Changed Condensed Impact?	N					
Old Full Impact	Dewpoint temperatures >= 65 F degrade performance.											
New Full Impact	Dewpoint temperatures > 85 F may degrade performance due to increased maintenance											
											Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);											
New Source/ Reason for Delete	Trailblazer Operator Guide, MVP Corporation, Mar 1993, refers to TM 5-4120-370-14, Para 2-19, Mar 1983											
Comments												
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y			

ID #	218	System Name	TSQ-138	Rule 1 #	26	Rule 2 #		Delete Rule?	Y			
Old Color	2	New Color		Changed Color?								
Parameter 1 #	6	Old Param. 1 ID	dewpoint	New Param. 1 ID			Changed Param. 1?					
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID			Changed Param. 2?					
Old Value 1	85		New Value 1			Changed Value1?						
Old Value 2			New Value 2			Changed Value 2?						
Old Operator 1	<input <="" td="" type="text" value=">="/> <td>New Opt. 1</td> <td> </td> <td>Changed Opt. 1?</td> <td colspan="2"> </td> <td>Old Opt. 2</td> <td> </td> <td>New Opt. 2</td> <td> </td> <td>Changed Opt. 2?</td> <td> </td>	New Opt. 1		Changed Opt. 1?			Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Dewpoint Temperature		New Condensed Impact			Changed Condensed Impact?						
Old Full Impact	Dewpoint temperatures >= 85 F greatly degrade performance and exceed operating limits.											
New Full Impact												
											Changed Full Impact?	
Old Source	(1st Cavalry Division, 1992);											
New Source/ Reason for Delete	Delete Rule: Combined in Rule ID# 217											
Comments												
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y			

IWEDA System Rules

ID #	219	System Name	UAV		Rule 1 #	16	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2		Changed Color?						N
Parameter 1 #	22	Old Param. 1 ID	temperature		New Param. 1 ID	Temperature		Changed Param. 1?			N
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	5		New Value 1	- 25 F				Changed Value1?		Y	
Old Value 2			New Value 2					Changed Value 2?			
Old Operator 1	<=	New Opt. 1	<=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Cold		New Condensed Impact	Extreme Cold				Changed Condensed Impact?		Y	
Old Full Impact	Temperatures < 5 F exceed the operational limits of the system.										
New Full Impact	Temperatures <= - 25 F exceed the normal operating enviroment.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	TM 9-5895-692-10, Page 1-27, Mar 97										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	220	System Name	UAV		Rule 1 #	24	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2		Changed Color?						N
Parameter 1 #	22	Old Param. 1 ID	temperature		New Param. 1 ID	Temperature		Changed Param. 1?			N
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	100		New Value 1	120 F				Changed Value1?		Y	
Old Value 2			New Value 2					Changed Value 2?			
Old Operator 1	>=	New Opt. 1	>=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Hot		New Condensed Impact	Very Hot				Changed Condensed Impact?		Y	
Old Full Impact	Temperatures > 100 F exceed the operational limits of the system.										
New Full Impact	Temperatures > 120 F exceed the normal operation environment										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	TM 9-5895-692-10, Page 1-27, Mar 1997										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA System Rules

ID #	221	System Name	UAV		Rule 1 #	34	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2		Changed Color?			N			
Parameter 1 #	26	Old Param. 1 ID	visibility		New Param. 1 ID	Visibility		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	1600		New Value 1	1600 meters		Changed Value 1?		N			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	<=	New Opt. 1	<=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Reduced Visibility		New Condensed Impact	Low Visibility		Changed Condensed Impact?		Y			
Old Full Impact	Visibility <= 1.0 mile (1600 m) makes the identification and/or recognition of targets very difficult.										
New Full Impact	Visibility <= 1.0 mile (1600 m) is below all visual flight rules for the operation of the Hunter UAV.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	Unmanned Aerial Vehicle Short Range (UAV-SR) Standard Operating Procedures (SOP), page C-57, date unknown. Also may be in TM 9-5895-692-CL, Mar 1997										
Comments											
Changed Source?	Y	Are There Any (2) Options?			N	Any Change to Record?			Y		

ID #	222	System Name	UAV		Rule 1 #	35	Rule 2 #		Delete Rule?	Y	
Old Color	1	New Color			Changed Color?						
Parameter 1 #	26	Old Param. 1 ID	visibility		New Param. 1 ID			Changed Param. 1?			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	3200		New Value 1			Changed Value 1?					
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	<=	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Reduced Visibility		New Condensed Impact			Changed Condensed Impact?					
Old Full Impact	Visibility <= 2.0 miles (3200 m) makes the identification and/or recognition of targets difficult.										
New Full Impact											
										Changed Full Impact?	
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	Delete Rule: Old rule for pointer UAV										
Comments											
Changed Source?	Y	Are There Any (2) Options?			N	Any Change to Record?			Y		

IWEDA System Rules

ID #	223	System Name	UAV		Rule 1 #	52	Rule 2 #		Delete Rule?	☒				
Old Color	2	New Color			Changed Color?						☐			
Parameter 1 #	14	Old Param. 1 ID	rain		New Param. 1 ID			Changed Param. 1?	☐					
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?	☐					
Old Value 1	1		New Value 1			Changed Value1?	☐							
Old Value 2			New Value 2			Changed Value 2?	☐							
Old Operator 1	>	New Opt. 1			Changed Opt. 1?	☐		Old Opt. 2		New Opt. 2		Changed Opt. 2?	☐	
Old Condensed Impact	Precipitation		New Condensed Impact			Changed Condensed Impact?	☐							
Old Full Impact	Rain > light intensity makes target identification and/or recognition very difficult and exceeds system specifications.													
New Full Impact														
											Changed Full Impact?	☐		
Old Source	(1st Cavalry Division, 1992);													
New Source/ Reason for Delete	Delete Rule: Delete and replace with link to component rules for TV/Direct view sight and thermal sight since there are subsystems on UAV.													
Comments														
Changed Source?	☒	Are There Any (2) Options?				☒	Any Change to Record?				☒			

ID #	224	System Name	UAV		Rule 1 #	53	Rule 2 #		Delete Rule?	☒				
Old Color	1	New Color			Changed Color?						☐			
Parameter 1 #	14	Old Param. 1 ID	rain		New Param. 1 ID			Changed Param. 1?	☐					
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?	☐					
Old Value 1	0		New Value 1			Changed Value1?	☐							
Old Value 2			New Value 2			Changed Value 2?	☐							
Old Operator 1	>	New Opt. 1			Changed Opt. 1?	☐		Old Opt. 2		New Opt. 2		Changed Opt. 2?	☐	
Old Condensed Impact	Precipitation		New Condensed Impact			Changed Condensed Impact?	☐							
Old Full Impact	Any occurrence of rain makes target identification and/or recognition difficult.													
New Full Impact														
											Changed Full Impact?	☐		
Old Source	(1st Cavalry Division, 1992);													
New Source/ Reason for Delete	Delete Rule: Delete and replace with link to component rules for TV/Direct view sight and thermal sight since there are subsystems on UAV.													
Comments														
Changed Source?	☒	Are There Any (2) Options?				☒	Any Change to Record?				☒			

IWEDA System Rules

ID #	225	System Name	UAV		Rule 1 #	56	Rule 2 #		Delete Rule?	N					
Old Color	2	New Color	2		Changed Color?						N				
Parameter 1 #	10	Old Param. 1 ID	freezingrain		New Param. 1 ID	Icing		Changed Param. 1?	Y						
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?							
Old Value 1	0		New Value 1	None		Changed Value1?	Y								
Old Value 2			New Value 2			Changed Value 2?									
Old Operator 1	>		New Opt. 1	>		Changed Opt. 1?	N		Old Opt. 2		New Opt. 2		Changed Opt. 2?		
Old Condensed Impact	Freezing Rain		New Condensed Impact	Icing Aloft		Changed Condensed Impact?	Y								
Old Full Impact	Any occurrence of freezing rain coats the camera lens and makes target acquisition very difficult.														
New Full Impact	Flight into areas of known or forecast icing > none is prohibited if flying between (~Icing base) & (~Icing tops).														
											Changed Full Impact?	Y			
Old Source	(1st Cavalry Division, 1992);														
New Source/ Reason for Delete	TM 9-5896-692-10, Page 1-28, Mar 1997														
Comments															
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y						

ID #	226	System Name	UAV		Rule 1 #	59	Rule 2 #		Delete Rule?	Y					
Old Color	2	New Color			Changed Color?										
Parameter 1 #	17	Old Param. 1 ID	snow		New Param. 1 ID			Changed Param. 1?							
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?							
Old Value 1	1		New Value 1			Changed Value1?									
Old Value 2			New Value 2			Changed Value 2?									
Old Operator 1	>		New Opt. 1			Changed Opt. 1?			Old Opt. 2		New Opt. 2		Changed Opt. 2?		
Old Condensed Impact	Snow		New Condensed Impact			Changed Condensed Impact?									
Old Full Impact	Snow > light intensity makes target identification and/or recognition very difficult and exceeds system specifications.														
New Full Impact															
											Changed Full Impact?				
Old Source	(1st Cavalry Division, 1992);														
New Source/ Reason for Delete	Delete Rule: Delete and replace with link to component rules for TV/Direct view sight and thermal sight since there are subsystems on UAV.														
Comments															
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y						

IWEDA System Rules

ID #	227	System Name	UAV		Rule 1 #	60	Rule 2 #		Delete Rule?	Y				
Old Color	1	New Color			Changed Color?						☐			
Parameter 1 #	17	Old Param. 1 ID	snow		New Param. 1 ID			Changed Param. 1?	☐					
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?	☐					
Old Value 1	0		New Value 1			Changed Value1?		☐						
Old Value 2			New Value 2			Changed Value 2?		☐						
Old Operator 1	>	New Opt. 1			Changed Opt. 1?	☐		Old Opt. 2		New Opt. 2		Changed Opt. 2?	☐	
Old Condensed Impact	Snow		New Condensed Impact			Changed Condensed Impact?		☐						
Old Full Impact	Any occurrence of snowfall makes target identification and/or recognition difficult.													
New Full Impact														
											Changed Full Impact?	☐		
Old Source	(1st Cavalry Division, 1992);													
New Source/ Reason for Delete	Delete Rule: Delete and replace with link to component rules for TV/Direct view sight and thermal sight since there are subsystems on UAV.													
Comments														
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y					

ID #	228	System Name	UAV		Rule 1 #	64	Rule 2 #		Delete Rule?	Y				
Old Color	1	New Color			Changed Color?						☐			
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed		New Param. 1 ID			Changed Param. 1?	☐					
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?	☐					
Old Value 1	15		New Value 1			Changed Value1?		☐						
Old Value 2			New Value 2			Changed Value 2?		☐						
Old Operator 1	>	New Opt. 1			Changed Opt. 1?	☐		Old Opt. 2		New Opt. 2		Changed Opt. 2?	☐	
Old Condensed Impact	Surface Wind		New Condensed Impact			Changed Condensed Impact?		☐						
Old Full Impact	Surface wind speed > 15 kts makes takeoff and landing of the UAV very difficult if wind direction is across the runway.													
New Full Impact														
											Changed Full Impact?	☐		
Old Source	(Joint METOC Training Handbook, 1996);													
New Source/ Reason for Delete	Delete Rule: Redundant. See rule ID# 231													
Comments														
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y					

IWEDA System Rules

ID #	229	System Name	UAV		Rule 1 #	66	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2		Changed Color?			N			
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed		New Param. 1 ID	Surface Wind Speed		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	25		New Value 1	25 kts.		Changed Value1?		N			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>=		New Opt. 1	>=		Changed Opt. 1?	N		Old Opt. 2		
			New Opt. 2			Changed Opt. 2?					
Old Condensed Impact	Surface Wind		New Condensed Impact	Surface Wind		Changed Condensed Impact?		N			
Old Full Impact	Surface wind speed >= 25 kts makes controlling the UAV very difficult, reduces the ground speed of the system, and exceeds system specifications.										
New Full Impact	Maximum head wind component must not be >= 25 kts.										
	Changed Full Impact?										Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	TM 9-5895-692-10, Page 2-110, Mar 1997										
Comments											
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

ID #	230	System Name	UAV		Rule 1 #	67	Rule 2 #		Delete Rule?	Y	
Old Color	1	New Color			Changed Color?						
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed		New Param. 1 ID			Changed Param. 1?			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	20		New Value 1			Changed Value1?					
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>=		New Opt. 1			Changed Opt. 1?			Old Opt. 2		
			New Opt. 2			Changed Opt. 2?					
Old Condensed Impact	Surface Wind		New Condensed Impact			Changed Condensed Impact?					
Old Full Impact	Surface wind speed >= 20 kts makes controlling the UAV difficult and reduces the ground speed of the system.										
New Full Impact											
	Changed Full Impact?										
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	Delete Rule: This applies to "Printer" UVA not "Hunter"										
Comments											
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

IWEDA System Rules

ID #	231	System Name	UAV		Rule 1 #	72	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?			N			
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed		New Param. 1 ID	Surface Wind Speed		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	10		New Value 1	15 kts.		Changed Value1?		Y			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>=		New Opt. 1	>=		Changed Opt. 1?	N		Old Opt. 2		
			New Opt. 2			Changed Opt. 2?					
Old Condensed Impact	Surface Wind		New Condensed Impact	Surface Wind		Changed Condensed Impact?		N			
Old Full Impact	Surface wind speed >= 10 kts makes takeoff and landing of the UAV difficult if wind direction is across the runway.										
New Full Impact	Crosswind component >= 15 kts exceeds the normal operating environment										
										Changed Full Impact?	Y
Old Source	(Joint METOC Training Handbook, 1996);										
New Source/Reason for Delete	TM 9-5895-692-10, Page 1-27, Mar 1997										
Comments											
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

ID #	232	System Name	UAV		Rule 1 #	79	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2		Changed Color?			N			
Parameter 1 #	24	Old Param. 1 ID	turbulenceintensity		New Param. 1 ID	Turbulencei Intensity		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	1		New Value 1	Severe		Changed Value1?		Y			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>		New Opt. 1	>=		Changed Opt. 1?	Y		Old Opt. 2		
			New Opt. 2			Changed Opt. 2?					
Old Condensed Impact	Turbulence Aloft		New Condensed Impact	Severe Turbulence Aloft		Changed Condensed Impact?		Y			
Old Full Impact	Turbulence > light exceeds the operational limits of the system and makes controlling the UAV very difficult.										
New Full Impact	Flight into turbulence >= severe is prohibited if flying between (~turbulence base) & (~turbulence tops) feet AGL.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	TM 9-5895-692-10, Page 1-28, Mar 1997										
Comments											
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

IWEDA System Rules

ID #	233	System Name	UAV		Rule 1 #	81	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?			N			
Parameter 1 #	24	Old Param. 1 ID	turbulenceintensity		New Param. 1 ID	Turbulence Intensity		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	0		New Value 1	None		Changed Value 1?		Y			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Turbulence Aloft		New Condensed Impact	Turbulence Aloft		Changed Condensed Impact?		N			
Old Full Impact	Any occurrence of turbulence makes controlling the UAV difficult.										
New Full Impact	Any occurrence of turbulence makes controlling the UAV difficult if flying between (~turbulence base) & (~turbulence tops) feet AGL.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	Tm 9-5895-692-10, Page 1-28, Mar 1997										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	234	System Name	UAV		Rule 1 #	92	Rule 2 #	92	Delete Rule?	N	
Old Color	1	New Color	2		Changed Color?			Y			
Parameter 1 #	4	Old Param. 1 ID	cloudcover		New Param. 1 ID	Cloud Cover		Changed Param. 1?	N		
Parameter 2 #	3	Old Param. 2 ID	cloudbase		New Param. 2 ID	Cloud Base		Changed Param. 2?	N		
Old Value 1	4		New Value 1	4/8 Coverage		Changed Value 1?		Y			
Old Value 2	500		New Value 2	500 Ft.		Changed Value 2?		N			
Old Operator 1	>	New Opt. 1	>=	Changed Opt. 1?	Y	Old Opt. 2	<=	New Opt. 2	<=	Changed Opt. 2?	N
Old Condensed Impact	Clouds		New Condensed Impact	Very Low Clouds		Changed Condensed Impact?		Y			
Old Full Impact	Cloud ceilings and bases <= 500 ft reduce the ground area covered by the camera system.										
New Full Impact	Cloud ceilings <= 500 feet exceed the visual flight rules for the Hunter UAV.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	Unmanned Aerial Vehicle Short Range (UAV-SR) Standard Operating Procedures (SOP), page C-57, date unknown. Also may be in TM 9-5895-692-CL, Mar 1997										
Comments											
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?				Y

IWEDA System Rules

ID #	235	System Name	UAV	Rule 1 #	93	Rule 2 #	93	Delete Rule?	Y			
Old Color	2	New Color		Changed Color?						☐		
Parameter 1 #	4	Old Param. 1 ID	cloudcover	New Param. 1 ID		Changed Param. 1?				☐		
Parameter 2 #	3	Old Param. 2 ID	cloudbase	New Param. 2 ID		Changed Param. 2?				☐		
Old Value 1	4	New Value 1		Changed Value1?						☐		
Old Value 2	200	New Value 2		Changed Value 2?						☐		
Old Operator 1	>	New Opt. 1		Changed Opt. 1?	☐	Old Opt. 2	<=	New Opt. 2		Changed Opt. 2?	☐	
Old Condensed Impact	Clouds			New Condensed Impact				Changed Condensed Impact?			☐	
Old Full Impact	Cloud ceilings and bases <= 200 ft reduce the ground area covered by the camera system and makes locating and flying the UAV very difficult.											
New Full Impact												
											Changed Full Impact?	☐
Old Source	(1st Cavalry Division, 1992);											
New Source/ Reason for Delete	Delete Rule: Replace by rule ID# 234											
Comments												
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?				Y	

ID #	236	System Name	UH-1	Rule 1 #	24	Rule 2 #		Delete Rule?	N			
Old Color	1	New Color	1	Changed Color?						N		
Parameter 1 #	22	Old Param. 1 ID	temperature	New Param. 1 ID	Temperature	Changed Param. 1?				N		
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?				☐		
Old Value 1	100	New Value 1	100 F	Changed Value1?						N		
Old Value 2		New Value 2		Changed Value 2?						☐		
Old Operator 1	>=	New Opt. 1	>=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	☐	
Old Condensed Impact	Hot			New Condensed Impact	Very Hot			Changed Condensed Impact?			Y	
Old Full Impact	Temperatures >= 100 F degrade aircraft performance.											
New Full Impact	Temperatures >= 100 F degrade aircraft performance.											
											Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);											
New Source/ Reason for Delete	TM 55-1520-210-10, Chapter 7, Feb 1997											
Comments												
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y	

IWEDA System Rules

ID #	237	System Name	UH-1		Rule 1 #	32	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	1		Changed Color?			Y			
Parameter 1 #	23	Old Param. 1 ID	thunderstorm		New Param. 1 ID	Thunderstorm		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	1		New Value 1	yes		Changed Value 1?		Y			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	=	New Opt. 1	=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Thunderstorm		New Condensed Impact	Thunderstorm		Changed Condensed Impact?		N			
Old Full Impact	Any occurrence of thunderstorms curtail aircraft and refueling operations due to safely considerations.										
New Full Impact	Intentional flight into thunderstorms is prohibited. Thunderstorms must be avoided causing mission delays.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	TM 55-1520-210-10, Para 5-10c, Nov 1993 AR 95-1, Para 5-2d(3), May 1990										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	238	System Name	UH-1		Rule 1 #	56	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	1		Changed Color?			Y			
Parameter 1 #	10	Old Param. 1 ID	freezingrain		New Param. 1 ID	Freezing Rain		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	0		New Value 1	None		Changed Value 1?		Y			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Freezing Rain		New Condensed Impact	Freezing Rain		Changed Condensed Impact?		N			
Old Full Impact	Any occurrence of freezing rain delays mission launch because exposed aircraft must be deiced.										
New Full Impact	Any occurrence of freezing rain delays mission launch because exposed aircraft must be deiced.										
										Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	TM 55-1520-210-10, Para 8-56a, Nov 1993										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA System Rules

ID #	239	System Name	UH-1		Rule 1 #	63	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2		Changed Color?			N			
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed		New Param. 1 ID	Surface Wind Speed		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	30		New Value 1	30 kts.		Changed Value1?		N			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>=	New Opt. 1	>	Changed Opt. 1?	Y	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Surface Wind		New Condensed Impact	Surface Wind		Changed Condensed Impact?		N			
Old Full Impact	Surface wind speed > 30 kts exceeds the system operating limits to take-off.										
New Full Impact	Surface wind speed > 30 kts exceeds the system operating limits for start up, cross wind hover, and tail wind hover.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	TM 55-1520-210-10, Para 5-13c&d, Nov 1993										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	240	System Name	UH-1		Rule 1 #	67	Rule 2 #		Delete Rule?	Y	
Old Color	1	New Color			Changed Color?						
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed		New Param. 1 ID			Changed Param. 1?			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	20		New Value 1			Changed Value1?					
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>=	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Surface Wind		New Condensed Impact			Changed Condensed Impact?					
Old Full Impact	Surface wind speed > 20 kts impacts the ability to take-off safely.										
New Full Impact											
										Changed Full Impact?	
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	Delete Rule: redundant with rule ID# 239										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA System Rules

ID #	241	System Name	UH-1		Rule 1 #	75	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2		Changed Color?			N			
Parameter 1 #	20	Old Param. 1 ID	surfacewindgust		New Param. 1 ID	Surface Wind Gust		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	30		New Value 1	30 kts.		Changed Value1?		N			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>=	New Opt. 1	>=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Gust		New Condensed Impact	Gust		Changed Condensed Impact?		N			
Old Full Impact	Surface wind gust >= 30 kts exceeds the system limits to start engines.										
New Full Impact	Surface wind gust >= 30 kts exceeds the system limits to start engines.										
										Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	TM 55-1520-210-10, Para 5-13d, Nov 1993										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	242	System Name	UH-1		Rule 1 #	76	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?			N			
Parameter 1 #	12	Old Param. 1 ID	icingintensity		New Param. 1 ID	Icing Intensity		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	0		New Value 1	None		Changed Value1?		Y			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Icing Aloft		New Condensed Impact	Icing Aloft		Changed Condensed Impact?		N			
Old Full Impact	Upper-level icing intensity > none may degrade performance.										
New Full Impact	Continuous flight icing intensity > none may degrade performance if the aircraft is flying between (~icing base) and (~icing top) feet AGL										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	TM 55-1520-210-10, Para 8-64b, Nov 1993										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA System Rules

ID #	243	System Name	UH-1		Rule 1 #	77	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2		Changed Color?					N	
Parameter 1 #	12	Old Param. 1 ID	icingintensity		New Param. 1 ID	Icing Intensity		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	1		New Value 1	Light		Changed Value1?		Y			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>		New Opt. 1	>		Changed Opt. 1?	N		Old Opt. 2		
			New Opt. 2			Changed Opt. 2?					
Old Condensed Impact	Icing Aloft		New Condensed Impact	Icing Aloft		Changed Condensed Impact?		N			
Old Full Impact	Upper-level icing intensity > light may degrade performance.										
New Full Impact	Intentional flight into known > light icing is prohibited if flight level is between (~icing base) and (~icing tops)										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	TM 55-1520-210-10, Para 5-13b, Nov 1993										
Comments											
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

ID #	244	System Name	UH-1		Rule 1 #	79	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?					N	
Parameter 1 #	24	Old Param. 1 ID	turbulenceintensity		New Param. 1 ID	Turbulence Intensity		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	1		New Value 1	Light		Changed Value1?		Y			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>		New Opt. 1	>		Changed Opt. 1?	N		Old Opt. 2		
			New Opt. 2			Changed Opt. 2?					
Old Condensed Impact	Turbulence Aloft		New Condensed Impact	Turbulence Aloft		Changed Condensed Impact?		N			
Old Full Impact	Upper-level turbulence > light intensity degrades flying safety.										
New Full Impact	Intentional flight into turbulence>light is not recommended if flight level is between (~turbulence base) & (~turbulence tops) feet AGL										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	TM 55-1520-210-10, Para 5-10b, Nov 1993										
Comments											
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

IWEDA System Rules

ID #	245	System Name	UH-1		Rule 1 #	80	Rule 2 #		Delete Rule?	N		
Old Color	2	New Color	2		Changed Color?						N	
Parameter 1 #	24	Old Param. 1 ID	turbulenceintensity		New Param. 1 ID	Turbulence Intensity		Changed Param. 1?	N			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?				
Old Value 1	2		New Value 1	Moderate		Changed Value1?	Y					
Old Value 2			New Value 2			Changed Value 2?						
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?		
Old Condensed Impact	Turbulence Aloft		New Condensed Impact	Severe Turbulence Aloft		Changed Condensed Impact?	Y					
Old Full Impact	Upper-level turbulence > moderate intensity exceeds the operating limits.											
New Full Impact	Intentional flight into upper-level turbulence > moderate intensity is prohibited. If flight level is between (~turbulence base) & (~turbulence tops) feet AGL											
											Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);											
New Source/ Reason for Delete	TM 55-1520-210-10, Para 5-10a, Nov 1993											
Comments												
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y	

ID #	246	System Name	UH-1		Rule 1 #	85	Rule 2 #		Delete Rule?	N		
Old Color	1	New Color	1		Changed Color?						N	
Parameter 1 #	13	Old Param. 1 ID	pressurealtitude		New Param. 1 ID	Pressure Altitude		Changed Param. 1?	N			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?				
Old Value 1	5000		New Value 1	5000 ft.		Changed Value1?	N					
Old Value 2			New Value 2			Changed Value 2?						
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?		
Old Condensed Impact	Pressure Altitude		New Condensed Impact	High Pressure Altitude		Changed Condensed Impact?	Y					
Old Full Impact	Operating performance of rotary wing aircraft is decreased when operating at pressure altitudes > 5000 ft.											
New Full Impact	Operating performance of rotary wing aircraft is decreased when operating at pressure altitudes > 5000 ft.											
											Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);											
New Source/ Reason for Delete	TM 55-1520-210-10, Chapter 7, Feb 1997 FM 1-230, Para 5-8, Sep 1982											
Comments												
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y	

IWEDA System Rules

ID #	247	System Name	UH-1		Rule 1 #	86	Rule 2 #		Delete Rule?	Y	
Old Color	2	New Color			Changed Color?						
Parameter 1 #	13	Old Param. 1 ID	pressurealtitude		New Param. 1 ID			Changed Param. 1?			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	10000		New Value 1			Changed Value1?					
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Pressure Altitude		New Condensed Impact			Changed Condensed Impact?					
Old Full Impact	Operating performance of rotary wing aircraft is significantly decreased when operating at pressure altitudes > 10,000 ft. Actions may be required to reduce payload or fuel to retain lift capability.										
New Full Impact											
										Changed Full Impact?	
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	Delete Rule: This is too restrictive as a red condition, pilot has options. It is included in > 5000 ft as an amber condition.										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	248	System Name	UH-60		Rule 1 #	15	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	1		Changed Color?	Y					
Parameter 1 #	22	Old Param. 1 ID	temperature		New Param. 1 ID	Temperature		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	-29		New Value 1	- 29 F		Changed Value1?	N				
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	<=	New Opt. 1	<	Changed Opt. 1?	Y	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Cold		New Condensed Impact	Extreme Cold		Changed Condensed Impact?	Y				
Old Full Impact	Temperatuers < -29 F exceed the operating limits with normal service.										
New Full Impact	Temperatuers < -29 F exceed the operating limits with normal service.										
										Changed Full Impact?	
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	TM 55-1520-237-10, Para 8-45, Aug 93										
Comments	Expectation is that cold weather operations servicing is available										
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA System Rules

ID #	249	System Name	UH-60		Rule 1 #	24	Rule 2 #		Delete Rule?	N
Old Color	1	New Color	1		Changed Color?			N		
Parameter 1 #	22	Old Param. 1 ID	temperature		New Param. 1 ID	Temperature		Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?		
Old Value 1	100		New Value 1	100 F		Changed Value1?		N		
Old Value 2			New Value 2			Changed Value 2?				
Old Operator 1	>=		New Opt. 1	>=		Changed Opt. 1?	N		Old Opt. 2	
Old Condensed Impact	Hot		New Condensed Impact	Very Hot		Changed Condensed Impact?		Y		
Old Full Impact	Temperatures >= 100 F degrade aircraft performance.									
New Full Impact	Temperatures >= 100 F degrade aircraft performance.									
Changed Full Impact?										N
Old Source	(1st Cavalry Division, 1992);									
New Source/Reason for Delete	TM 1-1520-237-10, Para 5.30, 5.31, Jun 1996									
Comments										
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y	

ID #	250	System Name	UH-60		Rule 1 #	32	Rule 2 #		Delete Rule?	N
Old Color	2	New Color	1		Changed Color?			Y		
Parameter 1 #	23	Old Param. 1 ID	thunderstorm		New Param. 1 ID	Thunderstorm		Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?		
Old Value 1	1		New Value 1	yes		Changed Value1?		Y		
Old Value 2			New Value 2			Changed Value 2?				
Old Operator 1	=		New Opt. 1	=		Changed Opt. 1?	N		Old Opt. 2	
Old Condensed Impact	Thunderstorm		New Condensed Impact	Thunderstorm		Changed Condensed Impact?		N		
Old Full Impact	Any occurrence of thunderstorms curtail aircraft and refueling operations due to safety considerations.									
New Full Impact	Intentional flight into thunderstorms is prohibited. Therefore, a delay in mission completion may result.									
Changed Full Impact?										Y
Old Source	(1st Cavalry Division, 1992);									
New Source/Reason for Delete	TM 55-1520-237-10, para 5-45, Aug 93									
Comments										
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y	

IWEDA System Rules

ID #	251	System Name	UH-60		Rule 1 #	56	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	1		Changed Color?			Y			
Parameter 1 #	10	Old Param. 1 ID	freezingrain		New Param. 1 ID	Freezing Rain		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	0		New Value 1	None		Changed Value1?		Y			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>		New Opt. 1	>		Changed Opt. 1?	N		Old Opt. 2		
			New Opt. 2			Changed Opt. 2?					
Old Condensed Impact	Freezing Rain		New Condensed Impact	Freezing Rain		Changed Condensed Impact?		N			
Old Full Impact	Any occurrence of freezing rain delays mission launch because exposed aircraft must be deiced.										
New Full Impact	Any occurrence of freezing rain delays mission launch because exposed aircraft must be deiced.										
										Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	TM 1-1520-237-10, Para 5.28, 8.42, Jun 1996										
Comments											
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

ID #	252	System Name	UH-60		Rule 1 #	63	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	2		Changed Color?			Y			
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed		New Param. 1 ID	Surface Wind Speed		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	30		New Value 1	45 kts.		Changed Value1?		Y			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>=		New Opt. 1	>		Changed Opt. 1?	Y		Old Opt. 2		
			New Opt. 2			Changed Opt. 2?					
Old Condensed Impact	Surface Wind		New Condensed Impact	Stong Surface Wind		Changed Condensed Impact?		Y			
Old Full Impact	Surface wind speed > 30 kts impacts the ability to take-off safely.										
New Full Impact	Rotor should not be started or stopped when surface wind > 45 kts.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	TM 1-1520-237-10, Para 5.6.1, 5.8, and 5.25, Jun 1996										
Comments											
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

IWEDA System Rules

ID #	253	System Name	UH-60		Rule 1 #	68	Rule 2 #		Delete Rule?	Y	
Old Color	2	New Color			Changed Color?						
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed		New Param. 1 ID			Changed Param. 1?			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	45		New Value 1			Changed Value1?					
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Surface Wind		New Condensed Impact			Changed Condensed Impact?					
Old Full Impact	Surface wind speed >= 45 kts exceeds the system operating limits to take -off.										
New Full Impact											
										Changed Full Impact?	
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	Delete Rule: Redundant. See Rule ID# 252.										
Comments											
Changed Source?	Y	Are There Any (2) Options?	N	Any Change to Record?	Y						

ID #	254	System Name	UH-60		Rule 1 #	77	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?	N					
Parameter 1 #	12	Old Param. 1 ID	icingintensity		New Param. 1 ID	Icing Intensity		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	1		New Value 1	Trace		Changed Value1?	Y				
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1	>=	Changed Opt. 1?	Y	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Icing Aloft		New Condensed Impact	Icing Aloft		Changed Condensed Impact?	N				
Old Full Impact	Upper-level icing intensity > light may degrade performance.										
New Full Impact	Flight into icing intensity >= Trace is prohibited unless aircraft is equipped with deice and anti-ice systems, if flight level is between (~Icing Base) and (~Icing Top) feet AGL.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	TM 55-1520-237-10, para 5-40, Aug 1993										
Comments											
Changed Source?	Y	Are There Any (2) Options?	N	Any Change to Record?	Y						

IWEDA System Rules

ID #	255	System Name	UH-60		Rule 1 #	78	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2		Changed Color?			N			
Parameter 1 #	12	Old Param. 1 ID	icingintensity		New Param. 1 ID	Icing Intensity		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	2		New Value 1	Moderate		Changed Value1?		Y			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>		New Opt. 1	>		Changed Opt. 1?	N		Old Opt. 2		
						New Opt. 2			Changed Opt. 2?		
Old Condensed Impact	Icing Aloft		New Condensed Impact	Severe Icing Aloft		Changed Condensed Impact?		Y			
Old Full Impact	IAW AR95-1, aircraft cannot fly into areas of icing intensity > moderate.										
New Full Impact	Flight into icing intensity > Moderate is prohibited, if flight level is between (~Icing Base) and (~Icing Top) feet AGL.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	TM 55-1520-237-10, para 5-40, Aug 1993										
Comments											
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

ID #	256	System Name	UH-60		Rule 1 #	79	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	2		Changed Color?			Y			
Parameter 1 #	24	Old Param. 1 ID	turbulenceintensity		New Param. 1 ID	Turbulence Intensity		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	1		New Value 1	Moderate		Changed Value1?		Y			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>		New Opt. 1	>		Changed Opt. 1?	N		Old Opt. 2		
						New Opt. 2			Changed Opt. 2?		
Old Condensed Impact	Turbulence Aloft		New Condensed Impact	Severe Turbulence Aloft		Changed Condensed Impact?		Y			
Old Full Impact	Upper-level turbulence > light intensity degrades flying safety.										
New Full Impact	Flight into turbulence intensity > Moderate is prohibited, if flight level is between (~Turbulence Base) and (~Turbulence Top) feet AGL.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	TM 55-1520-237-10, para 5-40, Aug 1993										
Comments											
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

IWEDA System Rules

ID #	257	System Name	UH-60		Rule 1 #	80	Rule 2 #		Delete Rule?	N			
Old Color	2	New Color	1		Changed Color?			Y					
Parameter 1 #	24	Old Param. 1 ID	turbulenceintensity		New Param. 1 ID	Turbulence Intensity		Changed Param. 1?	N				
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?					
Old Value 1	2		New Value 1	Moderate		Changed Value1?		Y					
Old Value 2			New Value 2			Changed Value 2?							
Old Operator 1	>	New Opt. 1	<=		Changed Opt. 1?	Y		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Turbulence Aloft		New Condensed Impact	Turbulence Aloft		Changed Condensed Impact?		N					
Old Full Impact	Upper-level turbulence > moderate intensity exceeds the operating limits.												
New Full Impact	Flight into turbulence intensity <= Moderate will reduce airspeed & delay mission completion, if flight level is between (~ Turbulence Base) and (~ Turbulence Top) feet AGL.												
Changed Full Impact?												Y	
Old Source	(1st Cavalry Division, 1992);												
New Source/ Reason for Delete	TM 55-1520-237-10, para 8-58, Aug 1993												
Comments													
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y				

ID #	258	System Name	UH-60		Rule 1 #	85	Rule 2 #		Delete Rule?	N			
Old Color	1	New Color	1		Changed Color?			N					
Parameter 1 #	13	Old Param. 1 ID	pressurealtitude		New Param. 1 ID	Pressure Altitude		Changed Param. 1?	N				
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?					
Old Value 1	5000		New Value 1	5000 ft.		Changed Value1?		N					
Old Value 2			New Value 2			Changed Value 2?							
Old Operator 1	>	New Opt. 1	>		Changed Opt. 1?	N		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Pressure Altitude		New Condensed Impact	High Pressure Altitude		Changed Condensed Impact?		Y					
Old Full Impact	Operating performance of rotary wing aircraft is decreased when operating at pressure altitudes > 5000 ft.												
New Full Impact	Operating performance of rotary wing aircraft is decreased when operating at pressure altitudes > 5000 ft.												
Changed Full Impact?												N	
Old Source	(1st Cavalry Division, 1992);												
New Source/ Reason for Delete	TM 1-1520-237-10, Chapter 7, Jun 1996 FM 1-230, Para 5-8, Sep 1982												
Comments													
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y				

IWEDA System Rules

ID #	259	System Name	UH-60	Rule 1 #	86	Rule 2 #		Delete Rule?	Y
Old Color	2	New Color		Changed Color?					
Parameter 1 #	13	Old Param. 1 ID	pressurealtitude	New Param. 1 ID					
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID					
Old Value 1	10000		New Value 1			Changed Value1?			
Old Value 2			New Value 2			Changed Value 2?			
Old Operator 1	>	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2	
Old Condensed Impact	Pressure Altitude		New Condensed Impact			Changed Condensed Impact?			
Old Full Impact	Operating performance of rotary wing aircraft is significantly decreased when operating at pressure altitudes > 10,000 ft. Actions may be required to reduce payload or fuel to retain lift capability.								
New Full Impact									
									Changed Full Impact?
Old Source	(1st Cavalry Division, 1992);								
New Source/ Reason for Delete	Delete Rule: This is too restrictive as a red condition, pilot has options. It is included as an amber condition in > 5000 ft.								
Comments									
Changed Source?	Y	Are There Any (2) Options?			N	Any Change to Record?			Y

IWEDA Subsystem Rules

IWEDA Subsystem Rules

ID #	1	Subsystem Name	<input data-cs="2" data-kind="parent" type="text" value="!SOLDIER EFFECTIVENESS!"/>	Rule 1 #	7	Rule 2 #		Delete Rule?	N				
Old Color	2	New Color	2		Changed Color?	N							
Parameter 1 #	22	Old Param. 1 ID	temperature	New Param. 1 ID	Temperature	Changed Param. 1?	N						
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?							
Old Value 1	-25	New Value 1	- 25 F	Changed Value 1?	N								
Old Value 2		New Value 2		Changed Value 2?									
Old Operator 1	<input data-cs="2" data-kind="parent" type="text" value="<="/>	New Opt. 1	<input data-cs="2" data-kind="parent" type="text" value="<="/>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?			
Old Condensed Impact	Cold	New Condensed Impact	Extreme Cold	Changed Condensed Impact?	Y								
Old Full Impact	Temperatures of -25 F or below make it very difficult for an exposed soldier to perform.												
New Full Impact	For temperatures of - 25 F or below survival efforts required.												
												Changed Full Impact	Y
Old Source	(Battlefield Environment Division, 1995);												
New Source	FM 90-22, Chapter 1, Figure B-2, Jan 1991 FM 31-71, Figure 2-1, Jun 1971"/>												
Comments													
Change to Source?	Y	Are There Any (2) Options?	N	Any Change to Record?	Y								

ID #	2	Subsystem Name	<input data-cs="2" data-kind="parent" type="text" value="!SOLDIER EFFECTIVENESS!"/>	Rule 1 #	14	Rule 2 #		Delete Rule?	N				
Old Color	1	New Color	1		Changed Color?	N							
Parameter 1 #	22	Old Param. 1 ID	temperature	New Param. 1 ID	Temperature	Changed Param. 1?	N						
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?							
Old Value 1	10	New Value 1	10 F	Changed Value 1?	N								
Old Value 2		New Value 2		Changed Value 2?									
Old Operator 1	<input data-cs="2" data-kind="parent" type="text" value="<="/>	New Opt. 1	<input data-cs="2" data-kind="parent" type="text" value="<="/>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?			
Old Condensed Impact	Cold	New Condensed Impact	Very Cold	Changed Condensed Impact?	Y								
Old Full Impact	Temperatures of 10 F or below make it difficult for an unprotected soldier to perform.												
New Full Impact	Temperatures of <= 10 F diminish performance and effectiveness.												
												Changed Full Impact	Y
Old Source	(Battlefield Environment Division, 1995);												
New Source	FM 90-22, Chapter 1, Figure B-2, Jan 1991												
Comments													
Change to Source?	Y	Are There Any (2) Options?	N	Any Change to Record?	Y								

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IWEDA Subsystem Rules

ID #	3	Subsystem Name	!SOLDIER EFFECTIVENESS!	Rule 1 #	19	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1					Changed Color?	N	
Parameter 1 #	22	Old Param. 1 ID	temperature	New Param. 1 ID	Temperature			Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?		
Old Value 1	85	New Value 1	85 F			Changed Value 1?	N			
Old Value 2		New Value 2				Changed Value 2?				
Old Operator 1	>=	New Opt. 1	>=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		
Old Condensed Impact	Hot		New Condensed Impact	Hot				Changed Condensed Impact?	N	
Old Full Impact	Temperatures of 85 F or above degrade crew effectiveness and performance due to possible heat stress.									
New Full Impact	Temperatures of 85 F or above degrade crew effectiveness and performance due to possible heat stress.									
								Changed Full Impact	N	
Old Source	(Battlefield Environment Division, 1995);									
New Source	<input 1991"="" heat,"="" jan="" type="text" value="TBMED 507, Section III, Jul 1980
FM 90-22, Chapter 1, Para "/>									
Comments										
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?			Y

ID #	4	Subsystem Name	!SOLDIER EFFECTIVENESS!	Rule 1 #	20	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2					Changed Color?	N	
Parameter 1 #	22	Old Param. 1 ID	temperature	New Param. 1 ID	Temperature			Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?		
Old Value 1	95	New Value 1	95 F			Changed Value 1?	N			
Old Value 2		New Value 2				Changed Value 2?				
Old Operator 1	>=	New Opt. 1	>=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		
Old Condensed Impact	Hot		New Condensed Impact	Hot				Changed Condensed Impact?	N	
Old Full Impact	Temperatures of 95 F or above degrade crew effectiveness and performance due to probable heat stress.									
New Full Impact	Wet bulb temperatures >- 95 F severely degrade effectiveness and performance due to heat stress.									
								Changed Full Impact	Y	
Old Source	(Battlefield Environment Division, 1995);									
New Source	<input 1991"="" heat,"="" jan="" type="text" value="TBMED 507, Section II, Para 3, Jul 1980
FM 90-22, Chapter 1, Para "/>									
Comments										
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?			Y

IWEDA Subsystem Rules

ID #	5	Subsystem Name	ISOLDIER EFFECTIVENESSI		Rule 1 #	84	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2							Changed Color?	N
Parameter 1 #	27	Old Param. 1 ID	windchill		New Param. 1 ID	Wind Chill		Changed Param. 1?		N	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	-25		New Value 1	- 25 F				Changed Value 1?		N	
Old Value 2			New Value 2					Changed Value 2?			
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Wind Chill		New Condensed Impact	Low Wind Chill				Changed Condensed Impact?		Y	
Old Full Impact	Effective temperatures < -25 F make it very difficult for a soldier to perform without shelter and presents danger of freezing exposed flesh.										
New Full Impact	Effective temperatures < -25 F make it very difficult for a soldier to perform without shelter and presents danger of freezing exposed flesh.										
									Changed Full Impact	N	
Old Source	(Battlefield Environment Division, 1995);										
New Source	FM 90-22, Chapter 1, Figure B2, Jan 1991										
Comments											
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	6	Subsystem Name	120MM GUN		Rule 1 #	41	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1							Changed Color?	N
Parameter 1 #	26	Old Param. 1 ID	visibility		New Param. 1 ID	Visibility		Changed Param. 1?		N	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	3000		New Value 1	3000 meters				Changed Value 1?		N	
Old Value 2			New Value 2					Changed Value 2?			
Old Operator 1	<=	New Opt. 1	<=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Reduced Visibility		New Condensed Impact	Reduced Visibility				Changed Condensed Impact?		N	
Old Full Impact	Visibility < 1.8 miles (3000 m) reduces the maximum effective range.										
New Full Impact	Visibility < 1.8 miles (3000 m) reduces the maximum effective range.										
									Changed Full Impact	N	
Old Source	(1st Cavalry Division, 1992);										
New Source	FM 34-81-1, Appendix C-4, Dec 1992 GAO Report Jan 1992. OPERATION DESERT STORM: Early Performance Assessment of Bradley and Abrams. GAO/NSIAD-92-94. Page 33.M1										
Comments											
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA Subsystem Rules

ID #	7	Subsystem Name	120MM GUN	Rule 1 #	44	Rule 2 #		Delete Rule?	Y		
Old Color	2	New Color							Changed Color?		
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID					Changed Param. 1?		
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID					Changed Param. 2?		
Old Value 1	2500	New Value 1							Changed Value 1?		
Old Value 2		New Value 2							Changed Value 2?		
Old Operator 1	<	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Reduced Visibility			New Condensed Impact				Changed Condensed Impact?			
Old Full Impact	Visibility < 1.5 miles (2500 m) reduces the maximum effective range.										
New Full Impact											
										Changed Full Impact	
Old Source	(1st Cavalry Division, 1992);										
New Source	Delete Rule: No reference in FM 34-81-1, Dec 1992. Distance included in ID# 6 as an amber.										
Comments											
Change to Source?	Y	Are There Any (2) Options?					N	Any Change to Record?			Y

ID #	8	Subsystem Name	120MM GUN	Rule 1 #	68	Rule 2 #		Delete Rule?	N		
Old Color	2	New Color	1						Changed Color?	Y	
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed	New Param. 1 ID	Surface Wind Speed				Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID					Changed Param. 2?		
Old Value 1	45	New Value 1	45						Changed Value 1?	N	
Old Value 2		New Value 2							Changed Value 2?		
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Surface Wind			New Condensed Impact	Strong Surface Wind			Changed Condensed Impact?			Y
Old Full Impact	Surface wind speed >= 45 kts exceeds the limit for input into the ballistic computer.										
New Full Impact	Surface wind speed >= 45 kts exceeds the limit for input into the ballistic computer.										
										Changed Full Impact	N
Old Source	(1st Cavalry Division, 1992);										
New Source	FM 34-81-1, Appendix C-1, Dec 1992										
Comments											
Change to Source?	Y	Are There Any (2) Options?					N	Any Change to Record?			Y

IWEDA Subsystem Rules

ID #	9	Subsystem Name	2.75 INCH ROCKET		Rule 1 #	55	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	2							Changed Color?	Y
Parameter 1 #	10	Old Param. 1 ID	freezingrain		New Param. 1 ID	Freezing Rain		Changed Param. 1?		N	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	1		New Value 1	None				Changed Value 1?		Y	
Old Value 2			New Value 2					Changed Value 2?			
Old Operator 1	>		New Opt. 1	>		Changed Opt. 1?	N		Old Opt. 2		
			New Opt. 2					Changed Opt. 2?			
Old Condensed Impact	Freezing Rain		New Condensed Impact	Freezing Rain				Changed Condensed Impact?		N	
Old Full Impact	Freezing rain > light intensity may cause the rocket to hang-fire.										
New Full Impact	Firing the 2.75 inch rocket is prohibited with freezing rain > none because the rocket may be held captive in the launcher tube.										
										Changed Full Impact	Y
Old Source	(1st Cavalry Division, 1992);										
New Source	TM 55-1520-236-10, Para 8-51, 8-81, Aug 1994										
Comments											
Change to Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

ID #	10	Subsystem Name	2.75 INCH ROCKET		Rule 1 #	82	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1							Changed Color?	N
Parameter 1 #	25	Old Param. 1 ID	upperairwindspeed		New Param. 1 ID	Upperair Wind Speed		Changed Param. 1?		N	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	25		New Value 1	25 kts.				Changed Value 1?		N	
Old Value 2			New Value 2					Changed Value 2?			
Old Operator 1	>		New Opt. 1	>		Changed Opt. 1?	N		Old Opt. 2		
			New Opt. 2					Changed Opt. 2?			
Old Condensed Impact	Winds Aloft		New Condensed Impact	Winds Aloft				Changed Condensed Impact?		N	
Old Full Impact	Upper-level wind speed > 25 kts degrades target impact effectiveness.										
New Full Impact	Upper-level wind speed > 25 kts. degrades target impact effectiveness.										
										Changed Full Impact	N
Old Source	(1st Cavalry Division, 1992);										
New Source	Personal interview with SME, 14 Nov 1997, CW4 Ronald C. Moring, Regiment Master Gunner, 229 Attack Helicopter Regiment, Ft. Bragg, NC.										
Comments											
Change to Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

IWEDA Subsystem Rules

ID #	11	Subsystem Name	25MM GUN	Rule 1 #	44	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	1					Changed Color?	Y	
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility			Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?		
Old Value 1	2500	New Value 1	2000 meters					Changed Value 1?	Y	
Old Value 2		New Value 2						Changed Value 2?		
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		
Old Condensed Impact	Reduced Visibility		New Condensed Impact	Low Visibility				Changed Condensed Impact?	Y	
Old Full Impact	Visibility < 1.5 miles (2500 m) reduces the maximum effective range.									
New Full Impact	Visibility < 1.2 miles (2000 m) reduces the maximum effective range.									
								Changed Full Impact	Y	
Old Source	(1st Cavalry Division, 1992);									
New Source	FM 23-1, Para 1-8, Mar 1996									
Comments										
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?			Y

ID #	12	Subsystem Name	30MM CANNON	Rule 1 #	46	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1					Changed Color?	N	
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility			Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?		
Old Value 1	4000	New Value 1	2000 meters					Changed Value 1?	Y	
Old Value 2		New Value 2						Changed Value 2?		
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		
Old Condensed Impact	Reduced Visibility		New Condensed Impact	Low Visibility				Changed Condensed Impact?	Y	
Old Full Impact	Visibility < 2.5 miles (4000 m) reduces the operating capability.									
New Full Impact	Visibility < 1.25 miles (2000 m) reduces the acquisition capability.									
								Changed Full Impact	Y	
Old Source	(1st Cavalry Division, 1992);									
New Source	Personal interview with SME, 14 Nov 1997, CW4 Ronald C. Moring, Regiment Master Gunner, 229 Attack Helicopter Regiment, Ft. Bragg, NC.									
Comments										
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?			Y

IWEDA Subsystem Rules

ID #	13	Subsystem Name	30MM MACHINE GUN		Rule 1 #	74	Rule 2 #		Delete Rule?	☒ Y	
Old Color	1	New Color								Changed Color?	☐
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed		New Param. 1 ID			Changed Param. 1?		☐	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?		☐	
Old Value 1	17		New Value 1				Changed Value 1?		☐		
Old Value 2			New Value 2				Changed Value 2?		☐		
Old Operator 1	>=		New Opt. 1			Changed Opt. 1?	☐		Old Opt. 2		
			New Opt. 2			Changed Opt. 2?	☐				
Old Condensed Impact	Surface Wind		New Condensed Impact				Changed Condensed Impact?		☐		
Old Full Impact	Surface wind speed >= 17 kts makes accurate firing of the weapon difficult.										
New Full Impact											
	Changed Full Impact ☐										
Old Source	(1st Cavalry Division, 1992);										
New Source	Delete Rule: Personal interview with SME, 14 Nov 1997, CW4 Ronald C. Moring, Regiment Master Gunner, 229 Attack Helicopter Regiment, Ft. Bragg, NC.										
Comments											
Change to Source?	☒ Y		Are There Any (2) Options?		☐ N		Any Change to Record?		☒ Y		

ID #	14	Subsystem Name	7.62MM COAX MACHINE GUN		Rule 1 #	43	Rule 2 #		Delete Rule?	☐ N	
Old Color	1	New Color	1							Changed Color?	☐ N
Parameter 1 #	26	Old Param. 1 ID	visibility		New Param. 1 ID	Visibility		Changed Param. 1?		☐ N	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?		☐	
Old Value 1	300		New Value 1		800 meters		Changed Value 1?		☒ Y		
Old Value 2			New Value 2				Changed Value 2?		☐		
Old Operator 1	<		New Opt. 1	<		Changed Opt. 1?	☐ N		Old Opt. 2		
			New Opt. 2			Changed Opt. 2?	☐				
Old Condensed Impact	Reduced Visibility		New Condensed Impact		Very Low Visibility		Changed Condensed Impact?		☒ Y		
Old Full Impact	Visibility < 0.2 mile (300 m) reduces the maximum effective range.										
New Full Impact	Visibility < 0.5 mile (800 m) reduces the maximum effective range.										
	Changed Full Impact ☒ Y										
Old Source	(1st Cavalry Division, 1992);										
New Source	FM 23-1, Para 1-4, Mar 1996										
Comments											
Change to Source?	☒ Y		Are There Any (2) Options?		☐ N		Any Change to Record?		☒ Y		

IWEDA Subsystem Rules

ID #	15	Subsystem Name	AERIAL FORWARD OBSERVER		Rule 1 #	38	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1							Changed Color?	N
Parameter 1 #	26	Old Param. 1 ID	visibility		New Param. 1 ID	Visibility		Changed Param. 1?		N	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	3500		New Value 1	3500 meters				Changed Value 1?		N	
Old Value 2			New Value 2					Changed Value 2?			
Old Operator 1	<=		New Opt. 1	<=		Changed Opt. 1?	N		Old Opt. 2		
			New Opt. 2					Changed Opt. 2?			
Old Condensed Impact	Reduced Visibility		New Condensed Impact	Reduced Visibility				Changed Condensed Impact?		N	
Old Full Impact	Visibility <= 2.1 miles (3500 m) makes it difficult to safely and effectively observe friendly fire.										
New Full Impact	Visibility <= 2.1 miles (3500 m) makes it difficult to safely and effectively observe friendly fire.										
										Changed Full Impact	N
Old Source	(1st Cavalry Division, 1992);										
New Source	FM 34-81-1, Page D-4, Dec 1992 FM 90-22, Chapter 1, Section "Adverse Weather," Para "Visibility," Jan 1991										
Comments											
Change to Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

ID #	16	Subsystem Name	AERIAL FORWARD OBSERVER		Rule 1 #	94	Rule 2 #	94	Delete Rule?	N	
Old Color	1	New Color	1							Changed Color?	N
Parameter 1 #	4	Old Param. 1 ID	cloudcover		New Param. 1 ID	Cloud Cover		Changed Param. 1?		N	
Parameter 2 #	3	Old Param. 2 ID	cloudbase		New Param. 2 ID	Cloud Base		Changed Param. 2?		N	
Old Value 1	0		New Value 1	None				Changed Value 1?		Y	
Old Value 2	800		New Value 2	800 ft.				Changed Value 2?		N	
Old Operator 1	>		New Opt. 1	>		Changed Opt. 1?	N		Old Opt. 2	<=	
			New Opt. 2	<=				Changed Opt. 2?		N	
Old Condensed Impact	Clouds		New Condensed Impact	Very Log Clouds				Changed Condensed Impact?		Y	
Old Full Impact	Cloud bases <= 800 feet make it difficult to acquire and identify targets.										
New Full Impact	Cloud bases <= 800 feet make it difficult to acquire and identify targets.										
										Changed Full Impact	N
Old Source	(1st Cavalry Division, 1992);										
New Source	FM 90-22, Chapter 1, Section "Adverse Weather," Para "Clouds," Jan 1991										
Comments											
Change to Source?	Y		Are There Any (2) Options?		Y		Any Change to Record?		Y		

IWEDA Subsystem Rules

ID #	17	Subsystem Name	AERIAL FORWARD OBSERVER		Rule 1 #	95	Rule 2 #	95	Delete Rule?	N				
Old Color	2	New Color	2							Changed Color?	N			
Parameter 1 #	4	Old Param. 1 ID	cloudcover		New Param. 1 ID	Cloud Cover		Changed Param. 1?		N				
Parameter 2 #	3	Old Param. 2 ID	cloudbase		New Param. 2 ID	Cloud Base		Changed Param. 2?		N				
Old Value 1	0		New Value 1	None				Changed Value 1?		Y				
Old Value 2	500		New Value 2	500 ft.				Changed Value 2?		N				
Old Operator 1	>		New Opt. 1	>		Changed Opt. 1?	N		Old Opt. 2	<=	New Opt. 2	<=	Changed Opt. 2?	N
Old Condensed Impact	Clouds		New Condensed Impact	Very Low Clouds				Changed Condensed Impact?		Y				
Old Full Impact	Cloud bases <= 500 feet make it very difficult to acquire and identify targets.													
New Full Impact	Cloud bases <= 500 feet make it very difficult to acquire and identify targets.													
										Changed Full Impact	N			
Old Source	(1st Cavalry Division, 1992);													
New Source	FM 90-22, Chapter 1, Section "Adverse Weather," Para "Clouds," Jan 1991													
Comments														
Change to Source?	Y		Are There Any (2) Options?		Y		Any Change to Record?		Y					

ID #	18	Subsystem Name	AN/MPQ-53 RADAR SET		Rule 1 #	5	Rule 2 #		Delete Rule?	N				
Old Color	2	New Color	2							Changed Color?	N			
Parameter 1 #	16	Old Param. 1 ID	slope		New Param. 1 ID	Slope		Changed Param. 1?		N				
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?						
Old Value 1	10		New Value 1	10 Degrees				Changed Value 1?		N				
Old Value 2			New Value 2					Changed Value 2?						
Old Operator 1	>=		New Opt. 1	>=		Changed Opt. 1?	N		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Slope		New Condensed Impact	Slope				Changed Condensed Impact?		N				
Old Full Impact	When carried on the M-860 semi-trailer (HEMTT trailer) the radar can only be emplaced when slopes are <= 10 degrees.													
New Full Impact	When carried on the M-860 semi-trailer (HEMTT trailer) the radar can only be emplaced when slopes are <= 10 degrees.													
										Changed Full Impact	N			
Old Source	(1st Cavalry Division, 1992);													
New Source	FM 44-85, Page B-24, Feb 1997													
Comments	Note: This is also a correction of the subsystem name from AN/MPG-53 Radar Set to AN/MPQ-53 Radar Set													
Change to Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y					

IWEDA Subsystem Rules

ID #	19	Subsystem Name	DAY PERISCOPE	Rule 1 #	37	Rule 2 #		Delete Rule?	N
Old Color	1	New Color	1					Changed Color?	N
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility			Changed Param. 1?	N
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?	
Old Value 1	1000	New Value 1	1500 meters					Changed Value 1?	Y
Old Value 2		New Value 2						Changed Value 2?	
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2	
Old Condensed Impact	Reduced Visibility		New Condensed Impact	Low Visibility				Changed Condensed Impact?	Y
Old Full Impact	Any occurrence of visibility < 0.6 mile (1000 m) decreases the weapon sighting capability.								
New Full Impact	Any occurrence of visibility < 0.9 mile (1500 m) decreases the weapon sighting capability.								
								Changed Full Impact	Y
Old Source	(1st Cavalry Division, 1992);								
New Source	Personal interview with SME 12 nov 1997, CSM D. Schwab, HHC 1-52 AR Btn, NCANG, Ft. Bragg, NC								
Comments	Original rule dealt with M1. Therefore used source from M1 system rule ID 146.								
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?		Y

ID #	20	Subsystem Name	DAY PERISCOPE	Rule 1 #	134	Rule 2 #	134	Delete Rule?	N
Old Color	1	New Color						Changed Color?	
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility			Changed Param. 1?	N
Parameter 2 #	1	Old Param. 2 ID	blowingsand	New Param. 2 ID	Blowing Sand			Changed Param. 2?	N
Old Value 1	1000	New Value 1	1500 meters					Changed Value 1?	Y
Old Value 2	1	New Value 2	Yes					Changed Value 2?	Y
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	=	New Opt. 2	=
Old Condensed Impact	Sandstorm		New Condensed Impact	Sandstorm				Changed Condensed Impact?	N
Old Full Impact	Any occurrence of blowing sand and visibility < 0.6 mile (1000 m) decreases the weapon sighting capability.								
New Full Impact	Any occurrence of blowing sand and visibility < 0.9 mile (1500 m) decreases the weapon sighting capability.								
								Changed Full Impact	Y
Old Source	(1st Cavalry Division, 1992);								
New Source	Personal interview with SME 12 Nov 1997, CSM D. Schwab, HHC 1-52 AR Btn, NCANG, Ft. Bragg, NC								
Comments	Original rule dealt with M1. Therefore used source from M1 system rule ID 146.								
Change to Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?		Y

IWEDA Subsystem Rules

ID #	21	Subsystem Name	DAY PERISCOPE		Rule 1 #	135	Rule 2 #	135	Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?					N	
Parameter 1 #	26	Old Param. 1 ID	visibility		New Param. 1 ID	Visibility		Changed Param. 1?		N	
Parameter 2 #	9	Old Param. 2 ID	fog		New Param. 2 ID	Fog		Changed Param. 2?		N	
Old Value 1	1000		New Value 1	1500 meters		Changed Value 1?		Y			
Old Value 2	1		New Value 2	Yes		Changed Value 2?		Y			
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	=	New Opt. 2	=	Changed Opt. 2?	N
Old Condensed Impact	Fog and Reduced Visibility		New Condensed Impact	Low Visibility		Changed Condensed Impact?		N			
Old Full Impact	Any occurrence of fog and visibility < 0.6 mile (1000 m) decreases the weapon sighting capability.										
New Full Impact	Any occurrence of fog and visibility < 0.9 mile (1500 m) decreases the weapon sighting capability.										
										Changed Full Impact	Y
Old Source	(1st Cavalry Division, 1992);										
New Source	Personal interview with SME 12 Nov 1997, CSM D. Schwab, HHC 1-52 AR Btn, NCANG, Ft. Bragg, NC										
Comments	Original rule dealt with M1. Therefore used source from M1 system rule ID 146.										
Change to Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?				Y

ID #	22	Subsystem Name	DAY PERISCOPE		Rule 1 #	136	Rule 2 #	136	Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?					N	
Parameter 1 #	26	Old Param. 1 ID	visibility		New Param. 1 ID	Visibility		Changed Param. 1?		N	
Parameter 2 #	7	Old Param. 2 ID	drizzle		New Param. 2 ID	Drizzle		Changed Param. 2?		N	
Old Value 1	1000		New Value 1	1500 meters		Changed Value 1?		Y			
Old Value 2	0		New Value 2	None		Changed Value 2?		Y			
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	>	New Opt. 2	>	Changed Opt. 2?	N
Old Condensed Impact	Drizzle and Reduced Visibility		New Condensed Impact	Low Visibility		Changed Condensed Impact?		N			
Old Full Impact	Any occurrence of drizzle and visibility < 0.6 mile (1000 m) decreases the weapon sighting capability.										
New Full Impact	Any occurrence of drizzle and visibility < 0.9 mile (1500 m) decreases the weapon sighting capability.										
										Changed Full Impact	Y
Old Source	(1st Cavalry Division, 1992);										
New Source	Personal interview with SME 12 Nov 1997, CSM D. Schwab, HHC 1-52 AR Btn, NCANG, Ft. Bragg, NC										
Comments	Original rule dealt with M1. Therefore used source from M1 system rule ID 146.										
Change to Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?				Y

IWEDA Subsystem Rules

ID #	23	Subsystem Name	DAY PERISCOPE		Rule 1 #	137	Rule 2 #	137	Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?					N	
Parameter 1 #	26	Old Param. 1 ID	visibility		New Param. 1 ID	Visibility		Changed Param. 1?	N		
Parameter 2 #	14	Old Param. 2 ID	rain		New Param. 2 ID	Rain		Changed Param. 2?	N		
Old Value 1	1000		New Value 1	1500 meters		Changed Value 1?		Y			
Old Value 2	0		New Value 2	None		Changed Value 2?		Y			
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	>	New Opt. 2	>	Changed Opt. 2?	N
Old Condensed Impact	Precipitation and Reduced Visibility		New Condensed Impact	Rain		Changed Condensed Impact?		Y			
Old Full Impact	Any occurrence of rain and visibility < 0.6 mile (1000 m) decreases the weapon sighting capability.										
New Full Impact	Any occurrence of rain and visibility < 0.9 mile (1500 m) decreases the weapon sighting capability.										
										Changed Full Impact	Y
Old Source	(1st Cavalry Division, 1992);										
New Source	Personal interview with SME 12 Nov 1997, CSM D. Schwab, HHC 1-52 AR Btn, NCANG, Ft. Bragg, NC										
Comments	Original rule dealt with M1. Therefore used source from M1 system rule ID 146.										
Change to Source?	Y		Are There Any (2) Options?		Y		Any Change to Record?		Y		

ID #	24	Subsystem Name	DAY PERISCOPE		Rule 1 #	138	Rule 2 #	138	Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?					N	
Parameter 1 #	26	Old Param. 1 ID	visibility		New Param. 1 ID	Visibility		Changed Param. 1?	N		
Parameter 2 #	17	Old Param. 2 ID	snow		New Param. 2 ID	Snow		Changed Param. 2?	N		
Old Value 1	1000		New Value 1	1500 meters		Changed Value 1?		Y			
Old Value 2	0		New Value 2	None		Changed Value 2?		Y			
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	>	New Opt. 2	>	Changed Opt. 2?	N
Old Condensed Impact	Snow and Reduced Visibility		New Condensed Impact	Snow		Changed Condensed Impact?		Y			
Old Full Impact	Any occurrence of snow and visibility < 0.6 mile (1000 m) decreases the weapon sighting capability.										
New Full Impact	Any occurrence of snow and visibility < 0.9 mile (1500 m) decreases the weapon sighting capability.										
										Changed Full Impact	Y
Old Source	(1st Cavalry Division, 1992);										
New Source	Personal interview with SME 12 Nov 1997, CSM D. Schwab, HHC 1-52 AR Btn, NCANG, Ft. Bragg, NC										
Comments	Original rule dealt with M1. Therefore used source from M1 system rule ID 146.										
Change to Source?	Y		Are There Any (2) Options?		Y		Any Change to Record?		Y		

IWEDA Subsystem Rules

ID #	25	Subsystem Name	FIRING SYSTEM	Rule 1 #	19	Rule 2 #		Delete Rule?	Y		
Old Color	1	New Color							Changed Color?		
Parameter 1 #	22	Old Param. 1 ID	temperature	New Param. 1 ID					Changed Param. 1?		
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID					Changed Param. 2?		
Old Value 1	85	New Value 1							Changed Value 1?		
Old Value 2		New Value 2							Changed Value 2?		
Old Operator 1	>=	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Hot	New Condensed Impact							Changed Condensed Impact?		
Old Full Impact	Temperatures >= 85 F can cause the firing system to fail if the air-conditioning fails.										
New Full Impact											
										Changed Full Impact	
Old Source	(1st Cavalry Division, 1992);										
New Source	Delete Rule: No longer valid. USAFAS POC SFC Saeda, 3 Dec 1997										
Comments											
Change to Source?	Y	Are There Any (2) Options?					N	Any Change to Record?			Y

ID #	26	Subsystem Name	GENERATOR	Rule 1 #	1	Rule 2 #		Delete Rule?	Y		
Old Color	1	New Color							Changed Color?		
Parameter 1 #	8	Old Param. 1 ID	elevation	New Param. 1 ID					Changed Param. 1?		
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID					Changed Param. 2?		
Old Value 1	6000	New Value 1							Changed Value 1?		
Old Value 2		New Value 2							Changed Value 2?		
Old Operator 1	>=	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Elevation	New Condensed Impact							Changed Condensed Impact?		
Old Full Impact	Operating at elevations >= 6000 ft reduces maximum power output by 5%.										
New Full Impact											
										Changed Full Impact	
Old Source	(1st Cavalry Division, 1992);										
New Source	Delete Rule: Not necessary since amber value is now 8000 meters										
Comments											
Change to Source?		Are There Any (2) Options?					N	Any Change to Record?			Y

IWEDA Subsystem Rules

ID #	27	Subsystem Name	GENERATOR		Rule 1 #	2	Rule 2 #		Delete Rule?	N			
Old Color	2	New Color	1		Changed Color?					Y			
Parameter 1 #	8	Old Param. 1 ID	elevation		New Param. 1 ID	Elevation		Changed Param. 1?	N				
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?					
Old Value 1	8000		New Value 1	8000 ft.		Changed Value 1?		N					
Old Value 2			New Value 2			Changed Value 2?							
Old Operator 1	>=		New Opt. 1	>=		Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Elevation		New Condensed Impact	High Elevation		Changed Condensed Impact?		Y					
Old Full Impact	Operating at elevations >= 8000 ft reduces maximum power output by 10%.												
New Full Impact	Operating at elevations >= 8000 feet MSL reduces the kilowatt rating by about 10%												
											Changed Full Impact	Y	
Old Source	(1st Cavalry Division, 1992);												
New Source	TM 5-6115-465-12, Para 2-20, Jan 1984												
Comments													
Change to Source?	Y	Are There Any (2) Options?					N	Any Change to Record?			Y		

ID #	28	Subsystem Name	GENERATOR		Rule 1 #	7	Rule 2 #		Delete Rule?	N			
Old Color	2	New Color	1		Changed Color?					Y			
Parameter 1 #	22	Old Param. 1 ID	temperature		New Param. 1 ID	Temperature		Changed Param. 1?	N				
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?					
Old Value 1	-25		New Value 1	- 25 F		Changed Value 1?		N					
Old Value 2			New Value 2			Changed Value 2?							
Old Operator 1	<=		New Opt. 1	<=		Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Cold		New Condensed Impact	Extreme Cold		Changed Condensed Impact?		Y					
Old Full Impact	Temperatures <= -25 F exceed the operating limits unless arctic kits are installed.												
New Full Impact	Temperatures <= -25 F exceed the operating limits unless arctic kits are installed.												
											Changed Full Impact	N	
Old Source	(1st Cavalry Division, 1992);												
New Source	TM 5-6115-465-12, Para 2-15, Jan 1984												
Comments	This assumes that arctic kits are available and just need to be installed.												
Change to Source?	Y	Are There Any (2) Options?					N	Any Change to Record?			Y		

IWEDA Subsystem Rules

ID #	29	Subsystem Name	GENERATOR	Rule 1 #	17	Rule 2 #		Delete Rule?	N		
Old Color	2	New Color	2						Changed Color?	N	
Parameter 1 #	22	Old Param. 1 ID	temperature	New Param. 1 ID	Temperature				Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID					Changed Param. 2?		
Old Value 1	120	New Value 1	125 F						Changed Value 1?	Y	
Old Value 2		New Value 2							Changed Value 2?		
Old Operator 1	<input "="" type="text" value=">="/>	New Opt. 1	<input "="" type="text" value=">="/>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Hot		New Condensed Impact	Extreme Heat					Changed Condensed Impact?	Y	
Old Full Impact	Temperatures >= 120 F exceed the operating limits.										
New Full Impact	Temperatures >= 125 F exceed the operating limits.										
										Changed Full Impact	Y
Old Source	(1st Cavalry Division, 1992);										
New Source	TM 5-6115-465-12, Para 2-16, Jan 1984										
Comments											
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	30	Subsystem Name	GROUND FORWARD OBSERVER	Rule 1 #	39	Rule 2 #		Delete Rule?	N		
Old Color	2	New Color	2						Changed Color?	N	
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility				Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID					Changed Param. 2?		
Old Value 1	200	New Value 1	200 meters						Changed Value 1?	N	
Old Value 2		New Value 2							Changed Value 2?		
Old Operator 1	<input "="" type="text" value="<="/>	New Opt. 1	<input "="" type="text" value="<="/>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Reduced Visibility		New Condensed Impact	Very Low Visibility					Changed Condensed Impact?	Y	
Old Full Impact	Visibility <= 0.1 mile (200 m) makes it very difficult to safely acquire and identify targets.										
New Full Impact	Visibility <= 0.1 mile (200 m) makes it very difficult to safely acquire and identify targets.										
										Changed Full Impact	N
Old Source	(1st Cavalry Division, 1992);										
New Source	<input 1991<br="" \"visibility,\"="" adverse="" jan="" para="" type="text" value="FM 90-22, Chapter 1, Section \" weather,\"=""/> FM 34-81-1, Pg. D-4, Dec 1992"/>										
Comments											
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA Subsystem Rules

ID #	31	Subsystem Name	GROUND FORWARD OBSERVER	Rule 1 #	40	Rule 2 #		Delete Rule?	N
Old Color	1	New Color	1					Changed Color?	N
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility			Changed Param. 1?	N
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?	
Old Value 1	500	New Value 1	500 meters					Changed Value 1?	N
Old Value 2		New Value 2						Changed Value 2?	
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2	
Old Condensed Impact	Reduced Visibility		New Condensed Impact	Very Low Visibility				Changed Condensed Impact?	Y
Old Full Impact	Visibility <= 0.3 mile (500 m) makes it difficult to safely acquire and identify targets.								
New Full Impact	Visibility <= 0.3 mile (500 m) makes it difficult to safely acquire and identify targets.								
								Changed Full Impact	N
Old Source	(1st Cavalry Division, 1992);								
New Source	FM 90-22, Chapter 1, "Adverse Weather," Para "Visibility," Jan 1991 FM 34-81-1, Pg. D-4, Dec 1992								
Comments									
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?		Y

ID #	32	Subsystem Name	HELLFIRE A-AIR	Rule 1 #	55	Rule 2 #		Delete Rule?	N
Old Color	1	New Color	1					Changed Color?	N
Parameter 1 #	10	Old Param. 1 ID	freezingrain	New Param. 1 ID	Freezing Rain			Changed Param. 1?	N
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?	
Old Value 1	1	New Value 1	None					Changed Value 1?	Y
Old Value 2		New Value 2						Changed Value 2?	
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2	
Old Condensed Impact	Freezing Rain		New Condensed Impact	Freezing Rain				Changed Condensed Impact?	N
Old Full Impact	Freezing rain > light intensity may freeze the missile to the rail.								
New Full Impact	Freezing rain > none may cause arming problems								
								Changed Full Impact	Y
Old Source	(1st Cavalry Division, 1992);								
New Source	TM 55-1520-238-10, Para 8-16, May 1994								
Comments	Also see TM 1-1520-238-10, Sep 1996								
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?		Y

IWEDA Subsystem Rules

ID #	33	Subsystem Name	HELLFIRE A-AIR	Rule 1 #	77	Rule 2 #		Delete Rule?	N		
Old Color	1	New Color	1						Changed Color?	N	
Parameter 1 #	12	Old Param. 1 ID	icingintensity	New Param. 1 ID	IcingIntensity			Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?			
Old Value 1	1	New Value 1	None						Changed Value 1?	Y	
Old Value 2		New Value 2							Changed Value 2?		
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Icing Aloft		New Condensed Impact	Icing Aloft					Changed Condensed Impact?	N	
Old Full Impact	Upper-level icing > light intensity may freeze the missile to the rail.										
New Full Impact	Upper-level icing > none may cause arming problems if the aircraft is flying between (~icing base) & (~icing tops) feet AGL										
									Changed Full Impact	Y	
Old Source	(1st Cavalry Division, 1992);										
New Source	TM 55-1520-238-10, Para 8-16, May 1994										
Comments	Also see TM 1-1520-238-10, Sep 1996										
Change to Source?	Y	Are There Any (2) Options?					N	Any Change to Record?			Y

ID #	34	Subsystem Name	HELLFIRE A-AIR	Rule 1 #	104	Rule 2 #	104	Delete Rule?	N		
Old Color	2	New Color	2						Changed Color?	N	
Parameter 1 #	4	Old Param. 1 ID	cloudcover	New Param. 1 ID	Cloud Cover			Changed Param. 1?	N		
Parameter 2 #	3	Old Param. 2 ID	cloudbase	New Param. 2 ID	Cloud Base			Changed Param. 2?	N		
Old Value 1	0	New Value 1	None						Changed Value 1?	Y	
Old Value 2	1000	New Value 2	1000 ft.						Changed Value 2?	N	
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2	<	New Opt. 2	<	Changed Opt. 2?	N
Old Condensed Impact	Clouds		New Condensed Impact	Very Low Clouds					Changed Condensed Impact?	Y	
Old Full Impact	Cloud bases < 1000 ft make it very difficult for the missile to maintain acquisition with laser spot on the target.										
New Full Impact	Cloud bases < 1000 ft make it very difficult for the missile to maintain acquisition with laser spot on the target.										
									Changed Full Impact	N	
Old Source	(1st Cavalry Division, 1992);										
New Source	Personal interview with SME, 14 Nov 1997. CW4 Ronald C. Moring, Regiment Master Gunner, 229 Attack Helicopter Regiment, Ft. Bragg, NC and Aviation School Student Hanout 15-6443-6.										
Comments											
Change to Source?	Y	Are There Any (2) Options?					Y	Any Change to Record?			Y

IWEDA Subsystem Rules

ID #	35	Subsystem Name	HELLFIRE A-AIR	Rule 1 #	105	Rule 2 #	105	Delete Rule?	N
Old Color	1	New Color	1					Changed Color?	N
Parameter 1 #	4	Old Param. 1 ID	cloudcover	New Param. 1 ID	Cloud Cover			Changed Param. 1?	N
Parameter 2 #	3	Old Param. 2 ID	cloudbase	New Param. 2 ID	Cloud Base			Changed Param. 2?	N
Old Value 1	0	New Value 1	None			Changed Value 1?	Y		
Old Value 2	2000	New Value 2	2000 ft.			Changed Value 2?	N		
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2	<	New Opt. 2	<
Old Condensed Impact	Clouds	New Condensed Impact	Low Clouds			Changed Condensed Impact?	Y		
Old Full Impact	Cloud bases < 2000 ft make it difficult for the missile to maintain acquisition with laser spot on the target.								
New Full Impact	Cloud bases < 2000 ft make it difficult for the missile to maintain acquisition with laser spot on the target.								
								Changed Full Impact	N
Old Source	(1st Cavalry Division, 1992);								
New Source	Personal interview with SME, 14 Nov 1997. CW4 Ronald C. Moring, Regiment Master Gunner, 229 Attack Helicopter Regiment, Ft. Bragg, NC and Aviation School Student Hanout 15-6443-6.								
Comments									
Change to Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?		Y

ID #	36	Subsystem Name	HELLFIRE C-AIR	Rule 1 #	55	Rule 2 #		Delete Rule?	N
Old Color	1	New Color	1					Changed Color?	N
Parameter 1 #	10	Old Param. 1 ID	freezingrain	New Param. 1 ID	Freezing Rain			Changed Param. 1?	N
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?	
Old Value 1	1	New Value 1	None			Changed Value 1?	Y		
Old Value 2		New Value 2				Changed Value 2?			
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2	
Old Condensed Impact	Freezing Rain	New Condensed Impact	Freezing Rain			Changed Condensed Impact?	N		
Old Full Impact	Freezing rain > light intensity may freeze the missile to the rail.								
New Full Impact	Freezing rain > none may cause arming problems								
								Changed Full Impact	Y
Old Source	(1st Cavalry Division, 1992);								
New Source	TM 55-1520-238-10, Para 8-16, May 1994								
Comments	Also see TM 1-1520-238-10, Sep 1996								
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?		Y

IWEDA Subsystem Rules

ID #	37	Subsystem Name	HELLFIRE C-AIR	Rule 1 #	77	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1						Changed Color?	N
Parameter 1 #	12	Old Param. 1 ID	icingintensity	New Param. 1 ID	icing Intensity			Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?		
Old Value 1	1	New Value 1	None					Changed Value 1?	Y	
Old Value 2		New Value 2						Changed Value 2?		
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		
								Changed Opt. 2?		
Old Condensed Impact	Icing Aloft		New Condensed Impact	Icing Aloft				Changed Condensed Impact?	N	
Old Full Impact	Upper-level icing > light intensity may freeze the missile to the rail.									
New Full Impact	Upper level icing > none may cause arming problems if the aircraft is flying between (~icing base) and (~ icing tops) feet AGL									
								Changed Full Impact	Y	
Old Source	(1st Cavalry Division, 1992);									
New Source	TM 55-1520-238-10, Para 8-16, May 1994									
Comments	Also see TM 1-1520-238-10, Sep 1996									
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?			Y

ID #	38	Subsystem Name	HELLFIRE C-AIR	Rule 1 #	95	Rule 2 #	95	Delete Rule?	N	
Old Color	2	New Color	2						Changed Color?	N
Parameter 1 #	4	Old Param. 1 ID	cloudcover	New Param. 1 ID	Cloud Cover			Changed Param. 1?	N	
Parameter 2 #	3	Old Param. 2 ID	cloudbase	New Param. 2 ID	Cloud Base			Changed Param. 2?	N	
Old Value 1	0	New Value 1	None					Changed Value 1?	Y	
Old Value 2	500	New Value 2	400 ft.					Changed Value 2?	Y	
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2	<=	New Opt. 2	<=	
								Changed Opt. 2?	N	
Old Condensed Impact	Clouds		New Condensed Impact	Very Low Clouds				Changed Condensed Impact?	Y	
Old Full Impact	Cloud bases < 500 ft make it very difficult for the missile to maintain acquisition with laser spot on the target.									
New Full Impact	Cloud Bases < 400 ft. make it very difficult for the missile to maintain the lased spot on the target.									
								Changed Full Impact	Y	
Old Source	(1st Cavalry Division, 1992);									
New Source	Personal interview with SME, 14 Nov 1997. CW4 Ronald C. Moring, Regiment Master Gunner, 229 Attack Helicopter Regiment, Ft. Bragg, NC and Aviation School Student Hanout 15-6443-6.									
Comments										
Change to Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?			Y

IWEDA Subsystem Rules

ID #	39	Subsystem Name	HELLFIRE C-AIR	Rule 1 #	96	Rule 2 #	96	Delete Rule?	N		
Old Color	1	New Color	1						Changed Color?	N	
Parameter 1 #	3	Old Param. 1 ID	cloudbase	New Param. 1 ID	Cloud Base	Changed Param. 1?				N	
Parameter 2 #	4	Old Param. 2 ID	cloudcover	New Param. 2 ID	Cloud Cover	Changed Param. 2?				N	
Old Value 1	1500	New Value 1	1500 ft.	Changed Value 1?					N		
Old Value 2	0	New Value 2	None	Changed Value 2?					Y		
Old Operator 1	<=	New Opt. 1	<=	Changed Opt. 1?	N	Old Opt. 2	>	New Opt. 2	>	Changed Opt. 2?	N
Old Condensed Impact	Clouds	New Condensed Impact	Low Clouds	Changed Condensed Impact?					Y		
Old Full Impact	Cloud bases < 1500 ft make it difficult for the missile to maintain acquisition with laser spot on the target.										
New Full Impact	Cloud bases < 1500 ft make it difficult for the missile to maintain the lased spot on the target.										
										Changed Full Impact	N
Old Source	(1st Cavalry Division, 1992);										
New Source	Personal interview with SME, 14 Nov 1997. CW4 Ronald C. Moring, Regiment Master Gunner, 229 Attack Helicopter Regiment, Ft. Bragg, NC and Aviation School Student Hanout 15-6443-6.										
Comments											
Change to Source?	Y	Are There Any (2) Options?					Y	Any Change to Record?			Y

ID #	40	Subsystem Name	HEMTT TRUCK	Rule 1 #	52	Rule 2 #		Delete Rule?	N		
Old Color	1	New Color	1						Changed Color?	N	
Parameter 1 #	14	Old Param. 1 ID	rain	New Param. 1 ID	Rain	Changed Param. 1?				N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?					
Old Value 1	1	New Value 1	Moderate	Changed Value 1?					Y		
Old Value 2		New Value 2		Changed Value 2?							
Old Operator 1	>	New Opt. 1	>=	Changed Opt. 1?	Y	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Precipitation	New Condensed Impact	Rain	Changed Condensed Impact?					Y		
Old Full Impact	Moderate or greater rain degrades the driver's visibility and the mobility of the system reducing the maximum speed of the system.										
New Full Impact	Moderate or greater rain degrades the driver's visibility and the mobility of the system reducing the maximum speed of the system.										
										Changed Full Impact	N
Old Source	(1st Cavalry Division, 1992);										
New Source	Interview with SSGT John Train, Operations SGT, TAD Motor Pool (Support School House), Ft. Eustis, VA, Aug 1997										
Comments											
Change to Source?	Y	Are There Any (2) Options?					N	Any Change to Record?			Y

IWEDA Subsystem Rules

ID #	41	Subsystem Name	HEMTT TRUCK	Rule 1 #	54	Rule 2 #		Delete Rule?	Y		
Old Color	2	New Color		Changed Color?							
Parameter 1 #	14	Old Param. 1 ID	rain	New Param. 1 ID		Changed Param. 1?					
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?					
Old Value 1	2	New Value 1		Changed Value 1?							
Old Value 2		New Value 2		Changed Value 2?							
Old Operator 1	>	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Precipitation			New Condensed Impact				Changed Condensed Impact?			
Old Full Impact	Heavy rain significantly degrades the driver's visibility and the mobility of the system reducing the maximum speed of the system.										
New Full Impact											
										Changed Full Impact	
Old Source	(1st Cavalry Division, 1992);										
New Source	Delete Rule: Too restrictive, included in Rule ID# 40 as an Amber condition.										
Comments											
Change to Source?		Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	42	Subsystem Name	HEMTT TRUCK	Rule 1 #	58	Rule 2 #		Delete Rule?	Y		
Old Color	2	New Color		Changed Color?							
Parameter 1 #	17	Old Param. 1 ID	snow	New Param. 1 ID		Changed Param. 1?					
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?					
Old Value 1	3	New Value 1		Changed Value 1?							
Old Value 2		New Value 2		Changed Value 2?							
Old Operator 1	=	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Snow			New Condensed Impact				Changed Condensed Impact?			
Old Full Impact	Heavy snow degrades the driver's visibility and the mobility of the system reducing the maximum speed of the system.										
New Full Impact											
										Changed Full Impact	
Old Source	(1st Cavalry Division, 1992);										
New Source	Delete Rule: Too restrictive, included in Rule ID# 43 as an Amber condition.										
Comments											
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA Subsystem Rules

ID #	43	Subsystem Name	HEMTT TRUCK		Rule 1 #	59	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1							Changed Color?	N
Parameter 1 #	17	Old Param. 1 ID	snow		New Param. 1 ID	Snow		Changed Param. 1?		N	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	1		New Value 1	Moderate				Changed Value 1?		Y	
Old Value 2			New Value 2					Changed Value 2?			
Old Operator 1	>		New Opt. 1	>=		Changed Opt. 1?		Y	Old Opt. 2		
			New Opt. 2			Changed Opt. 2?					
Old Condensed Impact	Snow		New Condensed Impact	Snow				Changed Condensed Impact?		N	
Old Full Impact	Moderate or greater snow degrades the driver's visibility and the mobility of the system reducing the maximum speed of the system.										
New Full Impact	Moderate or greater snow degrades the driver's visibility and the mobility of the system reducing the maximum speed of the system.										
										Changed Full Impact	Y
Old Source	(1st Cavalry Division, 1992);										
New Source	TM 9-2320-279-10-1, Para 2-36, Mar 1986										
Comments											
Change to Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

ID #	44	Subsystem Name	HET TRUCK TRACTOR		Rule 1 #	52	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1							Changed Color?	N
Parameter 1 #	14	Old Param. 1 ID	rain		New Param. 1 ID	Rain		Changed Param. 1?		N	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	1		New Value 1	Moderate				Changed Value 1?		Y	
Old Value 2			New Value 2					Changed Value 2?			
Old Operator 1	>		New Opt. 1	>=		Changed Opt. 1?		Y	Old Opt. 2		
			New Opt. 2			Changed Opt. 2?					
Old Condensed Impact	Precipitation		New Condensed Impact	Rain				Changed Condensed Impact?		Y	
Old Full Impact	Moderate or greater rain degrades the driver's visibility and the mobility of the system reducing the maximum speed of the system.										
New Full Impact	Moderate or greater rain degrades the driver's visibility and the mobility of the system reducing the maximum speed of the system.										
										Changed Full Impact	Y
Old Source	(1st Cavalry Division, 1992);										
New Source	Interview with SSGT John Train, Operations SGT, TAD Motor Pool (Supports School House), Ft. Eustis, VA, Aug 1997										
Comments											
Change to Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

IWEDA Subsystem Rules

ID #	45	Subsystem Name	HET TRUCK TRACTOR		Rule 1 #	54	Rule 2 #		Delete Rule?	Y			
Old Color	2	New Color						Changed Color?					
Parameter 1 #	14	Old Param. 1 ID	rain		New Param. 1 ID			Changed Param. 1?					
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?					
Old Value 1	2		New Value 1					Changed Value 1?					
Old Value 2			New Value 2					Changed Value 2?					
Old Operator 1	>	New Opt. 1			Changed Opt. 1?			Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Precipitation		New Condensed Impact					Changed Condensed Impact?					
Old Full Impact	Heavy rain significantly degrades the driver's visibility and the mobility of the system reducing the maximum speed of the system.												
New Full Impact													
											Changed Full Impact		
Old Source	(1st Cavalry Division, 1992);												
New Source	Delete Rule: Too Restrictive. Included in Rule ID# 44 as an Amber condition												
Comments													
Change to Source?			Are There Any (2) Options?				N		Any Change to Record?		Y		

ID #	46	Subsystem Name	HET TRUCK TRACTOR		Rule 1 #	58	Rule 2 #		Delete Rule?	Y			
Old Color	2	New Color						Changed Color?					
Parameter 1 #	17	Old Param. 1 ID	snow		New Param. 1 ID			Changed Param. 1?					
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?					
Old Value 1	3		New Value 1					Changed Value 1?					
Old Value 2			New Value 2					Changed Value 2?					
Old Operator 1	=	New Opt. 1			Changed Opt. 1?			Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Snow		New Condensed Impact					Changed Condensed Impact?					
Old Full Impact	Heavy snow significantly degrades the driver's visibility and the mobility of the system reducing the maximum speed of the system.												
New Full Impact													
											Changed Full Impact		
Old Source	(1st Cavalry Division, 1992);												
New Source	Delete Rule: Too restrictive. Included in Rule ID# 47 as an Amber condition												
Comments													
Change to Source?			Are There Any (2) Options?				N		Any Change to Record?		Y		

IWEDA Subsystem Rules

ID #	47	Subsystem Name	HET TRUCK TRACTOR	Rule 1 #	59	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1					Changed Color?	N	
Parameter 1 #	17	Old Param. 1 ID	snow	New Param. 1 ID	Snow			Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?		
Old Value 1	1	New Value 1	Moderate					Changed Value 1?	Y	
Old Value 2		New Value 2						Changed Value 2?		
Old Operator 1	>	New Opt. 1	>=	Changed Opt. 1?	Y	Old Opt. 2		New Opt. 2		
Old Condensed Impact	Snow			New Condensed Impact	Snow			Changed Condensed Impact?	N	
Old Full Impact	Moderate or greater snow degrades the driver's visibility and the mobility of the system reducing the maximum speed of the system.									
New Full Impact	Moderate or greater snow degrades the driver's visibility and the mobility of the system reducing the maximum speed of the system.									
								Changed Full Impact	N	
Old Source	(1st Cavalry Division, 1992);									
New Source	TM 9-2320-360-10, Para 2-25C, 26, Mar 1994									
Comments										
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?			Y

ID #	48	Subsystem Name	LAUNCHER LOADER MODULE	Rule 1 #	7	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2					Changed Color?	N	
Parameter 1 #	22	Old Param. 1 ID	temperature	New Param. 1 ID	Temperature			Changed Param. 1?		
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?	n	
Old Value 1	-25	New Value 1	- 25 F					Changed Value 1?	N	
Old Value 2		New Value 2						Changed Value 2?		
Old Operator 1	<=	New Opt. 1	<=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		
Old Condensed Impact	Cold			New Condensed Impact	Extreme Cold			Changed Condensed Impact?	Y	
Old Full Impact	Temperature <= -25 F are below the operational limits of the Launcher Loader Module.									
New Full Impact	Temperature <= -25 F are below the operational limits of the Launcher Loader Module.									
								Changed Full Impact	N	
Old Source	(1st Cavalry Division, 1992);									
New Source	Rule validated by USAFAS, POC SFC Garrett, 3 Dec 1997									
Comments										
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?			Y

IWEDA Subsystem Rules

ID #	49	Subsystem Name	LAUNCHER LOADER MODULE		Rule 1 #	54	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1							Changed Color?	N
Parameter 1 #	14	Old Param. 1 ID	rain		New Param. 1 ID	Rain		Changed Param. 1?			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?		N	
Old Value 1	2		New Value 1	Moderate				Changed Value 1?		Y	
Old Value 2			New Value 2					Changed Value 2?			
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Precipitation		New Condensed Impact	Heavy Rain				Changed Condensed Impact?		Y	
Old Full Impact	Rain > moderate intensity makes operating the Launcher Loader Module difficult and degrades its performance.										
New Full Impact	Rain > moderate intensity makes operating the Launcher Loader Module difficult and degrades its performance.										
										Changed Full Impact	N
Old Source	(1st Cavalry Division, 1992);										
New Source	Rule validated by USAFAS, POC SFC Garrett, 3 Dec 1997										
Comments											
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	50	Subsystem Name	LAUNCHER LOADER MODULE		Rule 1 #	55	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1							Changed Color?	N
Parameter 1 #	10	Old Param. 1 ID	freezingrain		New Param. 1 ID	Freezing Rain		Changed Param. 1?			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?		N	
Old Value 1	1		New Value 1	Light				Changed Value 1?		Y	
Old Value 2			New Value 2					Changed Value 2?			
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Freezing Rain		New Condensed Impact	Freezing Rain				Changed Condensed Impact?		N	
Old Full Impact	Freezing rain > light intensity makes operating the Launcher Loader Module difficult and degrades its performance.										
New Full Impact	Freezing rain > light intensity makes operating the Launcher Loader Module difficult and degrades its performance.										
										Changed Full Impact	N
Old Source	(1st Cavalry Division, 1992);										
New Source	Rule validated by USAFAS, POC SFC Garrett, 3 Dec 1997										
Comments											
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA Subsystem Rules

ID #	51	Subsystem Name	LAUNCHER LOADER MODULE		Rule 1 #	58	Rule 2 #		Delete Rule?	N			
Old Color	1	New Color	1							Changed Color?	N		
Parameter 1 #	17	Old Param. 1 ID	snow		New Param. 1 ID	Snow		Changed Param. 1?		N			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?					
Old Value 1	3		New Value 1	Moderate				Changed Value 1?		Y			
Old Value 2			New Value 2					Changed Value 2?					
Old Operator 1	=	New Opt. 1	>		Changed Opt. 1?	Y		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Snow		New Condensed Impact	Heavy Snow				Changed Condensed Impact?		Y			
Old Full Impact	Snow > moderate intensity makes operating the Launcher Loader Module difficult and degrades its performance.												
New Full Impact	Snow > moderate intensity makes operating the Launcher Loader Module difficult and degrades its performance.												
										Changed Full Impact	N		
Old Source	(1st Cavalry Division, 1992);												
New Source	Rule validated by USAFAS, POC SFC Garrett, 3 Dec 1997												
Comments													
Change to Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y				

ID #	52	Subsystem Name	LAUNCHER LOADER MODULE		Rule 1 #	62	Rule 2 #		Delete Rule?	N			
Old Color	1	New Color	1							Changed Color?	N		
Parameter 1 #	1	Old Param. 1 ID	blowingsand		New Param. 1 ID	Blowing Sand		Changed Param. 1?		N			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?					
Old Value 1	1		New Value 1	Yes				Changed Value 1?		Y			
Old Value 2			New Value 2					Changed Value 2?					
Old Operator 1	=	New Opt. 1	=		Changed Opt. 1?	N		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Blowing Sand		New Condensed Impact	Blowing Sand				Changed Condensed Impact?		N			
Old Full Impact	Any occurrence of blowing sand increases the frequency of required maintenance and reduces the amount of operational time of the Launcher Loader Module.												
New Full Impact	Any occurrence of blowing sand increases the frequency of required maintenance and reduces the amount of operational time of the Launcher Loader Module.												
										Changed Full Impact	N		
Old Source	(1st Cavalry Division, 1992);												
New Source	Rule validated by USAFAS, POC SFC Garrett, 3 Dec 1997												
Comments													
Change to Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y				

IWEDA Subsystem Rules

ID #	53	Subsystem Name	M109 MUNITIONS	Rule 1 #	12	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1						Changed Color?	N
Parameter 1 #	22	Old Param. 1 ID	temperature	New Param. 1 ID	Temperature			Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?		
Old Value 1	-40	New Value 1	- 40 F						Changed Value 1?	N
Old Value 2		New Value 2							Changed Value 2?	
Old Operator 1	<input "="" type="text" value="<="/>	New Opt. 1	<input "="" type="text" value="<="/>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		
Old Condensed Impact	Cold	New Condensed Impact	Extreme Cold						Changed Condensed Impact?	Y
Old Full Impact	Temperatures <= -40 F decrease the safe firing range.									
New Full Impact	Temperatures <= -40 F decrease the safe firing range.									
									Changed Full Impact	N
Old Source	(1st Cavalry Division, 1992);									
New Source	TM 43-0001-28, Page 3-78, Jul 1987									
Comments										
Change to Source?	Y	Are There Any (2) Options?					N	Any Change to Record?		Y

ID #	54	Subsystem Name	M109 MUNITIONS	Rule 1 #	21	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1						Changed Color?	N
Parameter 1 #	22	Old Param. 1 ID	temperature	New Param. 1 ID	Temperature			Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?		
Old Value 1	125	New Value 1	125 F						Changed Value 1?	N
Old Value 2		New Value 2							Changed Value 2?	
Old Operator 1	<input "="" type="text" value=">="/>	New Opt. 1	<input "="" type="text" value=">="/>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		
Old Condensed Impact	Hot	New Condensed Impact	Extreme Heat						Changed Condensed Impact?	Y
Old Full Impact	Temperatures >= 125 F change the safe firing range and can cause breakdown of the propellants.									
New Full Impact	Temperatures >= 125 F change the safe firing range and can cause breakdown of the propellants.									
									Changed Full Impact	N
Old Source	(1st Cavalry Division, 1992);									
New Source	TM 43-0001-28, Page 3-78, Jul 1987									
Comments										
Change to Source?	Y	Are There Any (2) Options?					N	Any Change to Record?		Y

IWEDA Subsystem Rules

ID #	55	Subsystem Name	MAINTENANCE FUNCTION	Rule 1 #	9	Rule 2 #		Delete Rule?	N
Old Color	1	New Color	1					Changed Color?	N
Parameter 1 #	22	Old Param. 1 ID	temperature	New Param. 1 ID	Temperature			Changed Param. 1?	N
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?	
Old Value 1	-20	New Value 1	- 20 F			Changed Value 1?	N		
Old Value 2		New Value 2				Changed Value 2?			
Old Operator 1	<=	New Opt. 1	<=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2	
Old Condensed Impact	Cold	New Condensed Impact	extreme Cload			Changed Condensed Impact?	Y		
Old Full Impact	Temperature < -20 F cause the maintenance function to take five times longer.								
New Full Impact	Temperature < - 20 F cause the maintenance function to take five times longer.								
								Changed Full Impact	N
Old Source	(1st Cavalry Division, 1992);								
New Source	FM 9-207, Page 1-5, Aug 1989								
Comments									
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?		Y

ID #	56	Subsystem Name	MAVERICK	Rule 1 #	35	Rule 2 #		Delete Rule?	Y
Old Color	2	New Color						Changed Color?	
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID				Changed Param. 1?	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?	
Old Value 1	3200	New Value 1				Changed Value 1?			
Old Value 2		New Value 2				Changed Value 2?			
Old Operator 1	<=	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2	
Old Condensed Impact	Reduced Visibility	New Condensed Impact				Changed Condensed Impact?			
Old Full Impact	Visibility < 2 miles (3200 m) does not allow enough range for the pilot to maneuver the aircraft and then use the Maverick system to identify and lock-on the target.								
New Full Impact									
								Changed Full Impact	
Old Source	(1st Cavalry Division, 1992);								
New Source	Delete Rule: No reference in T.O.1-1M-34 for this condition. Pilots say it is a matter of searching out an alternative solution.								
Comments									
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?		Y

IWEDA Subsystem Rules

ID #	57	Subsystem Name	MAVERICK	Rule 1 #	48	Rule 2 #		Delete Rule?	N		
Old Color	1	New Color	1						Changed Color?	N	
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility			Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?			
Old Value 1	4800	New Value 1	4800 meters						Changed Value 1?	N	
Old Value 2		New Value 2							Changed Value 2?		
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Reduced Visibility			New Condensed Impact	Low Visibility			Changed Condensed Impact?		Y	
Old Full Impact	Visibility < 3 miles (4800 m) makes it difficult for the pilot to maneuver the aircraft and then use the Maverick system to identify and lock-on the target.										
New Full Impact	Visibility < 3 miles (4800 m) makes it difficult for the pilot to maneuver the aircraft and then use the Maverick system to identify and lock-on the target.										
										Changed Full Impact	N
Old Source	(1st Cavalry Division, 1992);										
New Source	AFI 11-214, Para 6.3.1, Feb 1997										
Comments											
Change to Source?	Y	Are There Any (2) Options?					N	Any Change to Record?			Y

ID #	58	Subsystem Name	MAVERICK	Rule 1 #	103	Rule 2 #	103	Delete Rule?	N		
Old Color	1	New Color	1						Changed Color?	N	
Parameter 1 #	4	Old Param. 1 ID	cloudcover	New Param. 1 ID	Cloud Cover			Changed Param. 1?	N		
Parameter 2 #	3	Old Param. 2 ID	cloudbase	New Param. 2 ID	Cloud Base			Changed Param. 2?	N		
Old Value 1	0	New Value 1	None						Changed Value 1?	Y	
Old Value 2	3000	New Value 2	2500 ft.						Changed Value 2?	Y	
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2	<	New Opt. 2	<	Changed Opt. 2?	N
Old Condensed Impact	Clouds			New Condensed Impact	Low Clouds			Changed Condensed Impact?		Y	
Old Full Impact	Cloud bases < 3000 ft make it difficult for the missile to maintain a cloud free flight path and therefore can miss the target.										
New Full Impact	Cloud bases < 2500 ft. make it difficult for the missile to maintain a cloud free flight path.										
										Changed Full Impact	Y
Old Source	(1st Cavalry Division, 1992);										
New Source	T.O. 1-1M-34, Page 1-95, 96, Figure 1-60, May 1991										
Comments											
Change to Source?	Y	Are There Any (2) Options?					Y	Any Change to Record?			Y

IWEDA Subsystem Rules

ID #	59	Subsystem Name	MAVERICK		Rule 1 #	104	Rule 2 #	104	Delete Rule?	N	
Old Color	2	New Color	2		Changed Color?					N	
Parameter 1 #	4	Old Param. 1 ID	cloudcover		New Param. 1 ID	Cloud Cover		Changed Param. 1?	N		
Parameter 2 #	3	Old Param. 2 ID	cloudbase		New Param. 2 ID	Cloud Base		Changed Param. 2?	N		
Old Value 1	0		New Value 1	None		Changed Value 1?		N			
Old Value 2	1000		New Value 2	1300 ft.		Changed Value 2?		Y			
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2	<	New Opt. 2	<	Changed Opt. 2?	N
Old Condensed Impact	Clouds		New Condensed Impact	Low Clouds		Changed Condensed Impact?		Y			
Old Full Impact	Cloud bases < 1000 ft make it very difficult for the missile to maintain a cloud free flight path and therefore can miss the target.										
New Full Impact	Cloud bases < 1300 ft. make it very difficult for missile to maintain cloud free flight path.										
										Changed Full Impact	Y
Old Source	(1st Cavalry Division, 1992);										
New Source	T.O. 1-1M-34, Page 1-95, 96, Figure 1-60, May 1991										
Comments											
Change to Source?	Y	Are There Any (2) Options?		Y	Any Change to Record?		Y				

ID #	60	Subsystem Name	MLQ-34 ANTENNA		Rule 1 #	32	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2		Changed Color?					N	
Parameter 1 #	23	Old Param. 1 ID	thunderstorm		New Param. 1 ID	Thunderstorm		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	1		New Value 1	yes		Changed Value 1?		Y			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	=	New Opt. 1	=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Thunderstorm		New Condensed Impact	Thunderstorm		Changed Condensed Impact?		N			
Old Full Impact	Any occurrence of thundersotrms affect operations, system performance, and precludes mast erection. Antenna must be stowed during a storm.										
New Full Impact	Any occurrence of thundersotrms affect operations, system performance, and precludes mast erection. Antenna must be stowed during a storm.										
										Changed Full Impact	N
Old Source	(1st Cavalry Division, 1992);										
New Source	FM 34-81-1, Appendix I-9, Dec 1992										
Comments											
Change to Source?	Y	Are There Any (2) Options?		N	Any Change to Record?		Y				

IWEDA Subsystem Rules

ID #	61	Subsystem Name	MLQ-34 ANTENNA	Rule 1 #	56	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2						Changed Color?	N
Parameter 1 #	10	Old Param. 1 ID	freezingrain	New Param. 1 ID	Freezing Rain			Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?		
Old Value 1	0	New Value 1	None					Changed Value 1?	Y	
Old Value 2		New Value 2						Changed Value 2?		
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		
Old Condensed Impact	Freezing Rain			New Condensed Impact	Freezing Rain			Changed Condensed Impact?	N	
Old Full Impact	Any occurrence of freezing rain reduces antenna effectiveness by degrading power output of antenna. May also preclude mast erection. Freezing rain accumulation >= .25 inch will damage antenna & mast.									
New Full Impact	Any occurrence of freezing rain reduces antenna stability, may also preclude mast erection.									
								Changed Full Impact	Y	
Old Source	(1st Cavalry Division, 1992);									
New Source	FM 34-81-1, Appendix M-8, Dec 1992									
Comments										
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?			Y

ID #	62	Subsystem Name	MLQ-34 ANTENNA	Rule 1 #	63	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1						Changed Color?	N
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed	New Param. 1 ID	Surface Wind Speed			Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?		
Old Value 1	30	New Value 1	30 kts.					Changed Value 1?	N	
Old Value 2		New Value 2						Changed Value 2?		
Old Operator 1	>=	New Opt. 1	>=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		
Old Condensed Impact	Surface Wind			New Condensed Impact	Surface Wind			Changed Condensed Impact?	N	
Old Full Impact	Surface wind speed >= 30 kts moderately degrades the antenna performance. The antenna would have to erected at less than full height to prevent damage. Line of sight would decrease.									
New Full Impact	Surface wind speed >= 30 kts moderately degrades the antenna performance. The antenna would have to erected at less than full height to prevent damage. Line of sight would decrease.									
								Changed Full Impact	N	
Old Source	(1st Cavalry Division, 1992);									
New Source	FM 34-81-1, Appendix I-4, Dec 1992									
Comments										
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?			Y

IWEDA Subsystem Rules

ID #	63	Subsystem Name	MLQ-34 ANTENNA	Rule 1 #	73	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2					Changed Color?	N	
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed	New Param. 1 ID	Surface Wind Speed			Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?		
Old Value 1	43	New Value 1	50 kts.			Changed Value 1?	Y			
Old Value 2		New Value 2				Changed Value 2?				
Old Operator 1	>=	New Opt. 1	>=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		
Old Operator 2		New Opt. 2		Changed Opt. 2?						
Old Condensed Impact	Surface Wind			New Condensed Impact	Strong Surface Wind			Changed Condensed Impact?	Y	
Old Full Impact	Surface wind speed >= 43 kts exceeds the operating limits and the antenna must be stowed.									
New Full Impact	Surface wind speed >= 50 kts. exceeds the operating limits and the antenna must be stowed.									
								Changed Full Impact	Y	
Old Source	(1st Cavalry Division, 1992);									
New Source	FM 34-84-1, Appendix I-5, Dec 1992									
Comments										
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?			Y

ID #	64	Subsystem Name	MLRS MUNITIONS	Rule 1 #	12	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1					Changed Color?	N	
Parameter 1 #	22	Old Param. 1 ID	temperature	New Param. 1 ID	Temperature			Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?		
Old Value 1	-40	New Value 1	-40 F			Changed Value 1?	N			
Old Value 2		New Value 2				Changed Value 2?				
Old Operator 1	<=	New Opt. 1	<=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		
Old Operator 2		New Opt. 2		Changed Opt. 2?						
Old Condensed Impact	Cold			New Condensed Impact	Extreme Cold			Changed Condensed Impact?	Y	
Old Full Impact	Temperatures <= -40 F change the safe firing range.									
New Full Impact	Temperatures <= -40 F change the safe firing range.									
								Changed Full Impact	N	
Old Source	(1st Cavalry Division, 1992);									
New Source	Rule validated by USAFAS, POC SFC Garrett, 3 Dec 1997									
Comments										
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?			Y

IWEDA Subsystem Rules

ID #	65	Subsystem Name	MLRS MUNITIONS		Rule 1 #	21	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1							Changed Color?	N
Parameter 1 #	22	Old Param. 1 ID	temperature		New Param. 1 ID	Temperature		Changed Param. 1?		N	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	125		New Value 1	125 F				Changed Value 1?		N	
Old Value 2			New Value 2					Changed Value 2?			
Old Operator 1	>=		New Opt. 1	>=		Changed Opt. 1?	N		Old Opt. 2		
			New Opt. 2					Changed Opt. 2?			
Old Condensed Impact	Hot		New Condensed Impact	Extreme Heat				Changed Condensed Impact?		Y	
Old Full Impact	Temperatures >= 125 F change the safe firing range and can cause breakdown of the propellants.										
New Full Impact	Temperatures >= 125 F change the safe firing range and can cause breakdown of the propellants.										
										Changed Full Impact	N
Old Source	(1st Cavalry Division, 1992);										
New Source	Rule validated by USAFAS, POC SFC Garrett, 3 Dec 1997										
Comments											
Change to Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

ID #	66	Subsystem Name	NBC PRESSURIZATION		Rule 1 #	24	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	1							Changed Color?	Y
Parameter 1 #	22	Old Param. 1 ID	temperature		New Param. 1 ID	Temperature		Changed Param. 1?		Y	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	100		New Value 1	100 F				Changed Value 1?		N	
Old Value 2			New Value 2					Changed Value 2?			
Old Operator 1	>=		New Opt. 1	>=		Changed Opt. 1?	N		Old Opt. 2		
			New Opt. 2					Changed Opt. 2?			
Old Condensed Impact	Hot		New Condensed Impact	Very Hot				Changed Condensed Impact?		Y	
Old Full Impact	Temperatures >= 100 F seriously degrade the engine performance when the NBC protective system is operating. Engine output is reduced by 25%.										
New Full Impact	Temperatures >= 100 F seriously degrade the engine performance when the NBC protective system is operating. Engine output is reduced by 25%.										
										Changed Full Impact	N
Old Source	(1st Cavalry Division, 1992);										
New Source	Personal interview with SME, 12 Nov 1997, SFC James Wicker, Maintenance Company HHC1-52 Armor Battalion, NC National Guard, Fayetteville, NC.										
Comments											
Change to Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

IWEDA Subsystem Rules

ID #	67	Subsystem Name	OH-58 ENGINE		Rule 1 #	68	Rule 2 #		Delete Rule?	Y	
Old Color	2	New Color								Changed Color?	
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed		New Param. 1 ID			Changed Param. 1?			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	45		New Value 1					Changed Value 1?			
Old Value 2			New Value 2					Changed Value 2?			
Old Operator 1	>		New Opt. 1			Changed Opt. 1?			Old Opt. 2		
									New Opt. 2		
									Changed Opt. 2?		
Old Condensed Impact	Surface Wind		New Condensed Impact					Changed Condensed Impact?			
Old Full Impact	Surface winds >= 45 kts exceeds the systems operating limits to start engines.										
New Full Impact											
										Changed Full Impact	
Old Source	(1st Cavalry Division, 1992);										
New Source	Delete Rule: Incorporated in OH-58C System Rule ID# 161.										
Comments											
Change to Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

ID #	68	Subsystem Name	PERSONNEL MOVEMENT		Rule 1 #	28	Rule 2 #		Delete Rule?	Y	
Old Color	1	New Color								Changed Color?	
Parameter 1 #	18	Old Param. 1 ID	snowdepth		New Param. 1 ID			Changed Param. 1?			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	3		New Value 1					Changed Value 1?			
Old Value 2			New Value 2					Changed Value 2?			
Old Operator 1	>=		New Opt. 1			Changed Opt. 1?			Old Opt. 2		
									New Opt. 2		
									Changed Opt. 2?		
Old Condensed Impact	Snow Cover		New Condensed Impact					Changed Condensed Impact?			
Old Full Impact	Total snow depth >= 3 inces makes movement difficult.										
New Full Impact											
										Changed Full Impact	
Old Source	(1st Cavalry Division, 1992);										
New Source	Delete Rule: Too restrictive. FM 90-22 talks only of deep snow. See Rule ID# 69										
Comments											
Change to Source?			Are There Any (2) Options?		N		Any Change to Record?		Y		

IWEDA Subsystem Rules

ID #	69	Subsystem Name	PERSONNEL MOVEMENT	Rule 1 #	29	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	1						Changed Color?	Y
Parameter 1 #	18	Old Param. 1 ID	snowdepth	New Param. 1 ID	Snow Depth			Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?		
Old Value 1	6	New Value 1	6 in.					Changed Value 1?	N	
Old Value 2		New Value 2						Changed Value 2?		
Old Operator 1	>=	New Opt. 1	>=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		
Old Condensed Impact	Snow Cover		New Condensed Impact	Moderate Snow Cover				Changed Condensed Impact?	Y	
Old Full Impact	Total snow depth >= 6 inches makes movement very difficult.									
New Full Impact	Total snow depth >= 6 inches makes movement very difficult.									
								Changed Full Impact	N	
Old Source	(1st Cavalry Division, 1992);									
New Source	FM 90-22, Chapter 1, Page 6, Jan 1991 TBMED 81, Para 3.c.(10), Sep 1976 FM 31-71, Para 1-12a(2), Jun 1971									
Comments										
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?			Y

ID #	70	Subsystem Name	PERSONNEL MOVEMENT	Rule 1 #	54	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	1						Changed Color?	Y
Parameter 1 #	14	Old Param. 1 ID	rain	New Param. 1 ID	Rain			Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?		
Old Value 1	2	New Value 1	Moderate					Changed Value 1?	Y	
Old Value 2		New Value 2						Changed Value 2?		
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		
Old Condensed Impact	Precipitation		New Condensed Impact	Heavy Rain				Changed Condensed Impact?	Y	
Old Full Impact	Rain > moderate intensity makes movement very difficult.									
New Full Impact	Rain > moderate intensity makes movement very difficult.									
								Changed Full Impact	N	
Old Source	(1st Cavalry Division, 1992);									
New Source	FM 90-22, Chapter 1, Jan 1991									
Comments										
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?			Y

IWEDA Subsystem Rules

ID #	71	Subsystem Name	PERSONNEL MOVEMENT	Rule 1 #	55	Rule 2 #		Delete Rule?	Y		
Old Color	2	New Color							Changed Color?		
Parameter 1 #	10	Old Param. 1 ID	freezingrain	New Param. 1 ID					Changed Param. 1?		
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID					Changed Param. 2?		
Old Value 1	1	New Value 1							Changed Value 1?		
Old Value 2		New Value 2							Changed Value 2?		
Old Operator 1	>	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Freezing Rain			New Condensed Impact					Changed Condensed Impact?		
Old Full Impact	Freezing rain > light intensity makes movement very difficult and severely degrades effectiveness.										
New Full Impact											
										Changed Full Impact	
Old Source	(1st Cavalry Division, 1992);										
New Source	Delete Rule: Too restrictive. FM 90-22 does not specifically mention freezing rain. See Rule ID# 72.										
Comments											
Change to Source?		Are There Any (2) Options?				N	Any Change to Record?			Y	

ID #	72	Subsystem Name	PERSONNEL MOVEMENT	Rule 1 #	56	Rule 2 #		Delete Rule?	N		
Old Color	1	New Color	1						Changed Color?	N	
Parameter 1 #	10	Old Param. 1 ID	freezingrain	New Param. 1 ID	Freezing Rain				Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID					Changed Param. 2?		
Old Value 1	0	New Value 1	None						Changed Value 1?	Y	
Old Value 2		New Value 2							Changed Value 2?		
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Freezing Rain			New Condensed Impact	Freezing Rain				Changed Condensed Impact?	N	
Old Full Impact	Any occurrence of freezing rain makes movement difficult.										
New Full Impact	Any occurrence of freezing rain makes movement difficult and diminishes effectiveness										
										Changed Full Impact	Y
Old Source	(1st Cavalry Division, 1992);										
New Source	FM 90-22, Chapter 1, Jan 1991										
Comments											
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?			Y	

IWEDA Subsystem Rules

ID #	73	Subsystem Name	PERSONNEL MOVEMENT		Rule 1 #	58	Rule 2 #		Delete Rule?	N			
Old Color	2	New Color	1							Changed Color?	Y		
Parameter 1 #	17	Old Param. 1 ID	snow		New Param. 1 ID	Snow		Changed Param. 1?		N			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?					
Old Value 1	3		New Value 1	Moderate				Changed Value 1?		Y			
Old Value 2			New Value 2					Changed Value 2?					
Old Operator 1	=	New Opt. 1	>		Changed Opt. 1?	Y		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Snow		New Condensed Impact	Heavy Snow				Changed Condensed Impact?		Y			
Old Full Impact	Snow > moderate intensity makes movement very difficult.												
New Full Impact	Snow > moderate intensity makes movement very difficult.												
										Changed Full Impact	N		
Old Source	(1st Cavalry Division, 1992);												
New Source	FM 90-22, Chapter 1, Jan 1991 TBMED 81, Para 3(c)10, Sep 1976												
Comments													
Change to Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y				

ID #	74	Subsystem Name	PERSONNEL MOVEMENT		Rule 1 #	59	Rule 2 #		Delete Rule?	Y			
Old Color	1	New Color								Changed Color?			
Parameter 1 #	17	Old Param. 1 ID	snow		New Param. 1 ID			Changed Param. 1?					
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?					
Old Value 1	1		New Value 1					Changed Value 1?					
Old Value 2			New Value 2					Changed Value 2?					
Old Operator 1	>	New Opt. 1			Changed Opt. 1?			Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Snow		New Condensed Impact					Changed Condensed Impact?					
Old Full Impact	Snow > light intensity makes movement difficult.												
New Full Impact													
										Changed Full Impact			
Old Source	(1st Cavalry Division, 1992);												
New Source	Delete Rule: FM 90-22, Jan 1991 and TBM 81, Sep 1976 speak only of deep snow. See Rule ID# 73												
Comments													
Change to Source?			Are There Any (2) Options?		N		Any Change to Record?		Y				

IWEDA Subsystem Rules

ID #	75	Subsystem Name	PERSONNEL MOVEMENT	Rule 1 #	65	Rule 2 #		Delete Rule?	N		
Old Color	2	New Color	2	Changed Color?						N	
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed	New Param. 1 ID	Surface Wind Speed	Changed Param. 1?				N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?					
Old Value 1	40	New Value 1	40 kts.	Changed Value 1?				N			
Old Value 2		New Value 2		Changed Value 2?							
Old Operator 1	>=	New Opt. 1	>=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Surface Wind			New Condensed Impact	Strong Surface Wind			Changed Condensed Impact?		Y	
Old Full Impact	Surface wind speed >= 40 kts makes movement very difficult and severely degrades effectiveness.										
New Full Impact	Surface wind speed >= 40 kts makes movement very difficult and dangerous and severely degrades effectiveness										
										Changed Full Impact	Y
Old Source	(1st Cavalry Division, 1992);										
New Source	FM 90-22, Chapter 1, Para "Wind," Jan 1991										
Comments											
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	76	Subsystem Name	PERSONNEL MOVEMENT	Rule 1 #	66	Rule 2 #		Delete Rule?	N		
Old Color	1	New Color	1	Changed Color?						N	
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed	New Param. 1 ID	Surface Wind Speed	Changed Param. 1?				N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?					
Old Value 1	25	New Value 1	25 kts.	Changed Value 1?				N			
Old Value 2		New Value 2		Changed Value 2?							
Old Operator 1	>=	New Opt. 1	>=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Surface Wind			New Condensed Impact	Surface Wind			Changed Condensed Impact?		N	
Old Full Impact	Surface wind speed >= 25 kts makes movement difficult and degrades effectiveness.										
New Full Impact	Surface wind speed >= 25 kts makes movement difficult and degrades effectiveness.										
										Changed Full Impact	N
Old Source	(1st Cavalry Division, 1992);										
New Source	FM 90-22, Chapter 1, Para "Wind," Figure B2, Jan 1991										
Comments											
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA Subsystem Rules

ID #	77	Subsystem Name	PPS-5B BATTERY		Rule 1 #	8	Rule 2 #		Delete Rule?	Y	
Old Color	1	New Color			Changed Color?						
Parameter 1 #	22	Old Param. 1 ID	temperature		New Param. 1 ID			Changed Param. 1?			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	17		New Value 1			Changed Value 1?					
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	<=	New Opt. 1			Changed Opt. 1?		Old Opt. 2	New Opt. 2			
Old Condensed Impact	Cold		New Condensed Impact			Changed Condensed Impact?					
Old Full Impact	Temperatures <= 17 F reduce the useful life of the battery. The PPS-5B works at approximately 20% of capacity.										
New Full Impact											
Changed Full Impact											
Old Source	(1st Cavalry Division, 1992);										
New Source	Delete Rule: No mention of this temperature sensitivity in TM 11-5840-298-12, Para 3-28, Jun 1986										
Comments											
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	78	Subsystem Name	SMOKE GRENADE LAUNCHER		Rule 1 #	56	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?					N	
Parameter 1 #	10	Old Param. 1 ID	freezingrain		New Param. 1 ID	Freezing Rain		Changed Param. 1?		N	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	0		New Value 1	None		Changed Value 1?				Y	
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1	>		Changed Opt. 1?	N	Old Opt. 2	New Opt. 2			
Old Condensed Impact	Freezing Rain		New Condensed Impact	Freezing Rain		Changed Condensed Impact?				N	
Old Full Impact	Any occurrence of freezing rain may accumulate on the launcher and cause problems when launching.										
New Full Impact	Any occurrence of freezing rain may accumulate on the launcher and cause problems when launching.										
Changed Full Impact										N	
Old Source	(1st Cavalry Division, 1992);										
New Source	Personal interview with SME, 12 Nov 1997. CSM Donald Schwab HHC1-52 Armored Battalion, North Carolina Army National Guard, Ft. Bragg, NC.										
Comments											
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA Subsystem Rules

ID #	79	Subsystem Name	SMOKE GRENADE LAUNCHER	Rule 1 #	59	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1						Changed Color?	N
Parameter 1 #	17	Old Param. 1 ID	snow	New Param. 1 ID	Snow			Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?		
Old Value 1	1	New Value 1	Light						Changed Value 1?	Y
Old Value 2		New Value 2							Changed Value 2?	
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		
Old Condensed Impact	Snow			New Condensed Impact	Snow			Changed Condensed Impact?	N	
Old Full Impact	Snow > light intensity may accumulate on the launcher and cause problems when launching.									
New Full Impact	Snow > light intensity may accumulate on the launcher and cause problems when launching.									
								Changed Full Impact	N	
Old Source	(1st Cavalry Division, 1992);									
New Source	Personal interview with SME, 12 Nov 1997. CSM Donald Schwab HHC1-52 Armored Battalion, North Carolina Army National Guard, Ft. Bragg, NC.									
Comments										
Change to Source?	Y	Are There Any (2) Options?					N	Any Change to Record?		Y

ID #	80	Subsystem Name	SOLDIER EFFECTIVENESS	Rule 1 #	7	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2						Changed Color?	N
Parameter 1 #	22	Old Param. 1 ID	temperature	New Param. 1 ID	Temperature			Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?		
Old Value 1	-25	New Value 1	- 25 F						Changed Value 1?	N
Old Value 2		New Value 2							Changed Value 2?	
Old Operator 1	<=	New Opt. 1	<=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		
Old Condensed Impact	Cold			New Condensed Impact	Extreme Cold			Changed Condensed Impact?	Y	
Old Full Impact	Temperatures of -25 F or below make it very difficult for an exposed soldier to perform.									
New Full Impact	Temperatures <= -25F requires survival efforts.									
								Changed Full Impact	Y	
Old Source	(1st Cavalry Division, 1992);									
New Source	FM 90-22, Chapter 1, Figure B-2, Jan 1991 FM 31-71, Figure 2-1, Jun 1971									
Comments										
Change to Source?	Y	Are There Any (2) Options?					N	Any Change to Record?		Y

IWEDA Subsystem Rules

ID #	81	Subsystem Name	SOLDIER EFFECTIVENESS		Rule 1 #	14	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1							Changed Color?	N
Parameter 1 #	22	Old Param. 1 ID	temperature		New Param. 1 ID	Temperature		Changed Param. 1?		N	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	10		New Value 1	10 F				Changed Value 1?		N	
Old Value 2			New Value 2					Changed Value 2?			
Old Operator 1	<=		New Opt. 1	<=		Changed Opt. 1?	N		Old Opt. 2		
			New Opt. 2					Changed Opt. 2?			
Old Condensed Impact	Cold		New Condensed Impact	Very Cold				Changed Condensed Impact?		Y	
Old Full Impact	Temperatures of 10 F or below make it difficult for an unprotected soldier to perform.										
New Full Impact	Temperatures of <= 10 F diminishes performance and effectiveness.										
										Changed Full Impact	Y
Old Source	(1st Cavalry Division, 1992);										
New Source	FM 90-22, Chapter 1, Figure B2, Jan 1991										
Comments											
Change to Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

ID #	82	Subsystem Name	SOLDIER EFFECTIVENESS		Rule 1 #	19	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1							Changed Color?	N
Parameter 1 #	22	Old Param. 1 ID	temperature		New Param. 1 ID	Temperature		Changed Param. 1?		N	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	85		New Value 1	85 F				Changed Value 1?		N	
Old Value 2			New Value 2					Changed Value 2?			
Old Operator 1	>=		New Opt. 1	>=		Changed Opt. 1?	N		Old Opt. 2		
			New Opt. 2					Changed Opt. 2?			
Old Condensed Impact	Hot		New Condensed Impact	Hot				Changed Condensed Impact?		N	
Old Full Impact	Temperatures >= 85 F degrade crew effectiveness and performance due to possible heat stress.										
New Full Impact	Temperatures >= 85 F degrade crew effectiveness and performance due to possible heat stress.										
										Changed Full Impact	N
Old Source	(1st Cavalry Division, 1992);										
New Source	TBMED 507, Section III, Jul 1980 FM 90-22, Chapter 1, Para "Heat," Jan 1991										
Comments											
Change to Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

IWEDA Subsystem Rules

ID #	83	Subsystem Name	SOLDIER EFFECTIVENESS	Rule 1 #	20	Rule 2 #		Delete Rule?	N		
Old Color	2	New Color	2						Changed Color?	N	
Parameter 1 #	22	Old Param. 1 ID	temperature	New Param. 1 ID	Temperature				Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID					Changed Param. 2?		
Old Value 1	95	New Value 1	95 F						Changed Value 1?	N	
Old Value 2		New Value 2							Changed Value 2?		
Old Operator 1	<input "="" type="text" value=">="/>	New Opt. 1	<input "="" type="text" value=">="/>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Hot			New Condensed Impact	Extreme Heat			Changed Condensed Impact?		Y	
Old Full Impact	Temperatures >= 95 F severely degrade crew effectiveness and performance due to probable heat stress.										
New Full Impact	Wet Bulb temperatures >= 95 F severely degrade effectiveness and performance due to heat stress										
										Changed Full Impact	Y
Old Source	(1st Cavalry Division, 1992);										
New Source	<input 1991"="" heat,"="" jan="" type="text" value="TBMED 507, Section II, Para 3, Jul 1980
FM 90-22, Chapter 1, Para "/>										
Comments											
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	84	Subsystem Name	SOLDIER EFFECTIVENESS	Rule 1 #	84	Rule 2 #		Delete Rule?	N		
Old Color	2	New Color	2						Changed Color?	N	
Parameter 1 #	27	Old Param. 1 ID	windchill	New Param. 1 ID	Wind Chill				Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID					Changed Param. 2?		
Old Value 1	-25	New Value 1	- 25 F						Changed Value 1?	N	
Old Value 2		New Value 2							Changed Value 2?		
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Wind Chill			New Condensed Impact	Extreme Wind Chill			Changed Condensed Impact?		Y	
Old Full Impact	Effective temperatures < -25 F make it very difficult for a soldier to perform without shelter and presents danger of freezing exposed flesh.										
New Full Impact	Effective temperatures < -25 F make it very difficult for a soldier to perform without shelter and presents danger of freezing exposed flesh.										
										Changed Full Impact	N
Old Source	(1st Cavalry Division, 1992);										
New Source	FM 90-22, Chapter 1, Figure B2, Jan 1991										
Comments											
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA Subsystem Rules

ID #	85	Subsystem Name	STINGER-AIR		Rule 1 #	56	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2		Changed Color?					N	
Parameter 1 #	10	Old Param. 1 ID	freezingrain		New Param. 1 ID	Freezing Rain		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	0		New Value 1	None		Changed Value 1?			Y		
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Freezing Rain		New Condensed Impact	Freezing Rain		Changed Condensed Impact?			N		
Old Full Impact	Any occurrence of freezing rain will freeze the missile to the aircraft missile launcher rails and make firing the missile very difficult.										
New Full Impact	Any occurrence of freezing rain will obscure the lens making target acquisition very difficult.										
										Changed Full Impact	Y
Old Source	(1st Cavalry Division, 1992);										
New Source	Personal interviews with SME, 19 Nov 1997. CWR James D. Morgan, Master Gunner, 82 Aviation Brigade, Ft. Bragg, NC.										
Comments											
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	86	Subsystem Name	STINGER-AIR		Rule 1 #	77	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2		Changed Color?					N	
Parameter 1 #	12	Old Param. 1 ID	icingintensity		New Param. 1 ID	Icing Intensity		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	1		New Value 1	Light		Changed Value 1?			Y		
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1	>=	Changed Opt. 1?	Y	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Icing Aloft		New Condensed Impact	Icing Aloft		Changed Condensed Impact?			N		
Old Full Impact	Icing intensity >= moderate will freeze the missile to the aircraft missile launcher rails and make firing the missile very difficult.										
New Full Impact	Icing intensity >= light will obscure the lens making target acquisition very difficult.										
										Changed Full Impact	Y
Old Source	(1st Cavalry Division, 1992);										
New Source	Personal interviews with SME, 19 Nov 1997. CWR James D. Morgan, Master Gunner, 82 Aviation Brigade, Ft. Bragg, NC.										
Comments											
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA Subsystem Rules

ID #	87	Subsystem Name	STINGER-GRND		Rule 1 #	17	Rule 2 #		Delete Rule?	N					
Old Color	2	New Color	2		Changed Color?					N					
Parameter 1 #	22	Old Param. 1 ID	temperature		New Param. 1 ID	Temperature		Changed Param. 1?	N						
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?							
Old Value 1	120		New Value 1	140 F		Changed Value 1?		Y							
Old Value 2			New Value 2			Changed Value 2?									
Old Operator 1	>=		New Opt. 1	>		Changed Opt. 1?	Y		Old Opt. 2		New Opt. 2		Changed Opt. 2?		
Old Condensed Impact	Hot		New Condensed Impact	Extreme Heat		Changed Condensed Impact?		Y							
Old Full Impact	Temperatures > 120 F exceed the operational limits.														
New Full Impact	Temperatures > 140 F exceed the operational limits.														
											Changed Full Impact	Y			
Old Source	(1st Cavalry Division, 1992);														
New Source	FM 44-18, Page 9-5, May 1985														
Comments															
Change to Source?	Y		Are There Any (2) Options?				N		Any Change to Record?			Y			

ID #	88	Subsystem Name	STINGER-GRND		Rule 1 #	97	Rule 2 #	97	Delete Rule?	Y					
Old Color	1	New Color			Changed Color?										
Parameter 1 #	3	Old Param. 1 ID	cloudbase		New Param. 1 ID			Changed Param. 1?							
Parameter 2 #	4	Old Param. 2 ID	cloudcover		New Param. 2 ID			Changed Param. 2?							
Old Value 1	2500		New Value 1			Changed Value 1?									
Old Value 2	0		New Value 2			Changed Value 2?									
Old Operator 1	<=		New Opt. 1			Changed Opt. 1?			Old Opt. 2	>	New Opt. 2		Changed Opt. 2?		
Old Condensed Impact	Clouds		New Condensed Impact			Changed Condensed Impact?									
Old Full Impact	Cloud bases < 2500 ft make the visual detection and identification of aircraft very difficult.														
New Full Impact															
											Changed Full Impact				
Old Source	(1st Cavalry Division, 1992);														
New Source	Delete Rule: Personal interviews with SME, 19 Nov 1997. CWR James D. Morgan, Master Gunner, 82 Aviation Brigade, Ft Bragg, NC. This is a "see and strike" weapon. Cloud bases and cover not significant.														
Comments															
Change to Source?	Y		Are There Any (2) Options?				Y		Any Change to Record?			Y			

IWEDA Subsystem Rules

ID #	89	Subsystem Name	STINGER-GRND	Rule 1 #	102	Rule 2 #	102	Delete Rule?	Y		
Old Color	1	New Color							Changed Color?		
Parameter 1 #	3	Old Param. 1 ID	cloudbase	New Param. 1 ID					Changed Param. 1?		
Parameter 2 #	4	Old Param. 2 ID	cloudcover	New Param. 2 ID					Changed Param. 2?		
Old Value 1	5000	New Value 1							Changed Value 1?		
Old Value 2	0	New Value 2							Changed Value 2?		
Old Operator 1	<	New Opt. 1		Changed Opt. 1?		Old Opt. 2	>	New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Clouds			New Condensed Impact	Clouds			Changed Condensed Impact?			
Old Full Impact	Cloud bases < 5000 ft make the visual detection and identification of aircraft difficult.										
New Full Impact											
										Changed Full Impact	
Old Source	(1st Cavalry Division, 1992);										
New Source	Delete Rule: Personal interviews with SME, 19 Nov 1997. CWR James D. Morgan, Master Gunner, 82 Aviation Brigade, Ft Bragg, NC. This is a "see and strike" weapon. Cloud bases and cover not significant.										
Comments											
Change to Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?				Y

ID #	90	Subsystem Name	TACFIRE COMPUTER	Rule 1 #	7	Rule 2 #		Delete Rule?	N		
Old Color	2	New Color	2						Changed Color?	N	
Parameter 1 #	22	Old Param. 1 ID	temperature	New Param. 1 ID	Temperature				Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID					Changed Param. 2?		
Old Value 1	-25	New Value 1	-25 F						Changed Value 1?	N	
Old Value 2		New Value 2							Changed Value 2?		
Old Operator 1	<=	New Opt. 1	<=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Cold			New Condensed Impact	Extreme Cold			Changed Condensed Impact?			Y
Old Full Impact	Temperatures <= -25 F are below the operational limits of the computer.										
New Full Impact	Temperatures <= -25 F are below the operational limits of the computer.										
										Changed Full Impact	N
Old Source	(1st Cavalry Division, 1992);										
New Source	Rule validated by USAFAS, POC SFC Garrett, 3 Dec 1997										
Comments											
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA Subsystem Rules

ID #	91	Subsystem Name	TACFIRE COMPUTER		Rule 1 #	19	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1							Changed Color?	N
Parameter 1 #	22	Old Param. 1 ID	temperature		New Param. 1 ID	Temperature		Changed Param. 1?		N	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	85		New Value 1	85 F				Changed Value 1?		N	
Old Value 2			New Value 2					Changed Value 2?			
Old Operator 1	>=	New Opt. 1	>=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Hot		New Condensed Impact	Hot				Changed Condensed Impact?		N	
Old Full Impact	Temperatures >= 85 F can cause the computer to fail due to heat buildup.										
New Full Impact	Temperatures >= 85 F can cause the computer to fail due to heat buildup.										
										Changed Full Impact	N
Old Source	(1st Cavalry Division, 1992);										
New Source	Rule validated by USAFAS, POC SFC Garrett, 3 Dec 1997										
Comments											
Change to Source?	Y	Are There Any (2) Options?		N	Any Change to Record?		Y				

ID #	92	Subsystem Name	TACFIRE COMPUTER		Rule 1 #	21	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2							Changed Color?	N
Parameter 1 #	22	Old Param. 1 ID	temperature		New Param. 1 ID	Temperature		Changed Param. 1?		N	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	125		New Value 1	125 F				Changed Value 1?		N	
Old Value 2			New Value 2					Changed Value 2?			
Old Operator 1	>=	New Opt. 1	>=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Hot		New Condensed Impact	Extreme Heat				Changed Condensed Impact?		Y	
Old Full Impact	Temperatures >= 125 F make heat dissipation very difficult and leads to computer failure due to excessive heat buildup.										
New Full Impact	Temperatures >= 125 F make heat dissipation very difficult and leads to computer failure due to excessive heat buildup.										
										Changed Full Impact	N
Old Source	(1st Cavalry Division, 1992);										
New Source	Rule validated by USAFAS, POC SFC Garrett, 3 Dec 1997										
Comments											
Change to Source?	Y	Are There Any (2) Options?		N	Any Change to Record?		Y				

IWEDA Subsystem Rules

ID #	93	Subsystem Name	TLQ-17A ANTENNA	Rule 1 #	32	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2						Changed Color?	N
Parameter 1 #	23	Old Param. 1 ID	thunderstorm	New Param. 1 ID	Surface Wind			Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?		
Old Value 1	1	New Value 1	25 kts.					Changed Value 1?	Y	
Old Value 2		New Value 2						Changed Value 2?		
Old Operator 1	=	New Opt. 1	>	Changed Opt. 1?	Y	Old Opt. 2		New Opt. 2		
Old Condensed Impact	Thunderstorm			New Condensed Impact	Surface Wind			Changed Condensed Impact?	Y	
Old Full Impact	Any occurrence of thunderstorms create a potentially significant hazard to equipment and operators. The antenna must be stowed during a storm.									
New Full Impact	Do not raise or lower antenna mast where winds or gusts are above 25 mph. Antenna must be guyed if winds are expected to exceed 25 mph but are < 45 mph and antenna is already raised.									
								Changed Full Impact	Y	
Old Source	(1st Cavalry Division, 1992);									
New Source	TM 32-5865-301-10, Para 2-36, Apr 1992									
Comments										
Change to Source?	Y	Are There Any (2) Options?			N	Any Change to Record?			Y	

ID #	94	Subsystem Name	TOW-AIR	Rule 1 #	56	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2						Changed Color?	N
Parameter 1 #	10	Old Param. 1 ID	freezingrain	New Param. 1 ID	Freezing Rain			Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?		
Old Value 1	0	New Value 1	None					Changed Value 1?	Y	
Old Value 2		New Value 2						Changed Value 2?		
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		
Old Condensed Impact	Freezing Rain			New Condensed Impact	Freezing Rain			Changed Condensed Impact?	N	
Old Full Impact	Any occurrence of freezing rain may cause the missile to freeze to the rails and make firing very difficult.									
New Full Impact	Firing the TOW in freezing rain > none is prohibited because the TOW warhead can detonate near the aircraft.									
								Changed Full Impact	Y	
Old Source	(1st Cavalry Division, 1992);									
New Source	TM 55-1520-236-10, Para 8-51, 8-81, Aug 1994									
Comments										
Change to Source?	Y	Are There Any (2) Options?			N	Any Change to Record?			Y	

IWEDA Subsystem Rules

ID #	95	Subsystem Name	TOW-AIR		Rule 1 #	60	Rule 2 #		Delete Rule?	Y	
Old Color	2	New Color			Changed Color?						
Parameter 1 #	17	Old Param. 1 ID	snow		New Param. 1 ID			Changed Param. 1?			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	0		New Value 1			Changed Value 1?					
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>		New Opt. 1			Changed Opt. 1?		Old Opt. 2			
Old Condensed Impact	Snow		New Condensed Impact			Changed Condensed Impact?					
Old Full Impact	Any occurrence of snow may cause the missile to freeze to the rails and make firing very difficult.										
New Full Impact											
										Changed Full Impact	
Old Source	(1st Cavalry Division, 1992);										
New Source	Delete Rule: TM 9-1425-472-12, Para 2-88, Nov 1990; Unusual conditions makes no mention of this impact.										
Comments											
Change to Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

ID #	96	Subsystem Name	TOW-AIR		Rule 1 #	76	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2		Changed Color?					N	
Parameter 1 #	12	Old Param. 1 ID	icingintensity		New Param. 1 ID	Icing Intensity		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	0		New Value 1	None		Changed Value 1?				Y	
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>		New Opt. 1	>		Changed Opt. 1?	N		Old Opt. 2		
Old Condensed Impact	Icing Aloft		New Condensed Impact	Icing Aloft		Changed Condensed Impact?				N	
Old Full Impact	Any occurrence of icing may cause the missile to freeze to the rails and make firing very difficult.										
New Full Impact	Firing the TOW in icing intensity > none is prohibited because the warhead can detonate near the aircraft if the flight level is between (~icing base) & (~icing tops)										
										Changed Full Impact	Y
Old Source	(1st Cavalry Division, 1992);										
New Source	TM 55-1520-236-10, Para 8-51, 8-81, Aug 1994										
Comments											
Change to Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

IWEDA Subsystem Rules

ID #	97	Subsystem Name	TOW-GRND		Rule 1 #	4	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1							Changed Color?	N
Parameter 1 #	16	Old Param. 1 ID	slope		New Param. 1 ID	Slope		Changed Param. 1?		N	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	7		New Value 1	7 degrees				Changed Value 1?		N	
Old Value 2			New Value 2					Changed Value 2?			
Old Operator 1	>=		New Opt. 1	>=		Changed Opt. 1?	N		Old Opt. 2		
						New Opt. 2			Changed Opt. 2?		
Old Condensed Impact	Slope		New Condensed Impact	Slope				Changed Condensed Impact?		N	
Old Full Impact	Slope >= 7 degrees degrades siting accuracy.										
New Full Impact	When firing from a vehicle, slope >= 7 degrees degrades siting accuracy										
										Changed Full Impact	Y
Old Source	(1st Cavalry Division, 1992);										
New Source	FM 23-1, Para 1-5, Mar 1996										
Comments											
Change to Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

ID #	98	Subsystem Name	TOW-GRND		Rule 1 #	5	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2							Changed Color?	N
Parameter 1 #	16	Old Param. 1 ID	slope		New Param. 1 ID	Slope		Changed Param. 1?		N	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	10		New Value 1	10 degrees				Changed Value 1?		N	
Old Value 2			New Value 2					Changed Value 2?			
Old Operator 1	>=		New Opt. 1	>=		Changed Opt. 1?	N		Old Opt. 2		
						New Opt. 2			Changed Opt. 2?		
Old Condensed Impact	Slope		New Condensed Impact	Slope				Changed Condensed Impact?		N	
Old Full Impact	Slope >= 10 degrees exceeds the operational limits.										
New Full Impact	When firing from a vehicle, slope >= 10 degrees exceed the operational limits										
										Changed Full Impact	Y
Old Source	(1st Cavalry Division, 1992);										
New Source	FM 23-1, Para 1-5, Mar 1996										
Comments											
Change to Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

IWEDA Subsystem Rules

ID #	99	Subsystem Name	TOW-GRND		Rule 1 #	18	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2							Changed Color?	N
Parameter 1 #	22	Old Param. 1 ID	temperature		New Param. 1 ID	Temperature		Changed Param. 1?		N	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	140		New Value 1	140 F		Changed Value 1?		N			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>=		New Opt. 1	>=		Changed Opt. 1?	N		Old Opt. 2		
			New Opt. 2			Changed Opt. 2?					
Old Condensed Impact	Hot		New Condensed Impact	Extreme Heat		Changed Condensed Impact?		Y			
Old Full Impact	Temperatures >= 140 F exceed the maximum operating range.										
New Full Impact	Temperatures >= 140 F exceed the maximum operating range.										
										Changed Full Impact	N
Old Source	(1st Cavalry Division, 1992);										
New Source	TM 9-1425-472-12, Para 2-76, Jan 1980										
Comments											
Change to Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

ID #	100	Subsystem Name	TOW-GRND		Rule 1 #	27	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1							Changed Color?	N
Parameter 1 #	18	Old Param. 1 ID	snowdepth		New Param. 1 ID	Snow Depth		Changed Param. 1?		N	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	45		New Value 1	45 in.		Changed Value 1?		N			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>=		New Opt. 1	>=		Changed Opt. 1?	N		Old Opt. 2		
			New Opt. 2			Changed Opt. 2?					
Old Condensed Impact	Snow Cover		New Condensed Impact	Deep Snow		Changed Condensed Impact?		Y			
Old Full Impact	Total snow depth >= 45 inches degrades effectiveness by making system siting difficult.										
New Full Impact	Total snow depth >= 45 inches degrades effectiveness by making system siting difficult.										
										Changed Full Impact	N
Old Source	(1st Cavalry Division, 1992);										
New Source	TM 9-1425-472-12, Pg. 2-88, Nov 1990										
Comments											
Change to Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

IWEDA Subsystem Rules

ID #	101	Subsystem Name	TOW-GRND		Rule 1 #	59	Rule 2 #		Delete Rule?	Y			
Old Color	1	New Color								Changed Color?			
Parameter 1 #	17	Old Param. 1 ID	snow		New Param. 1 ID			Changed Param. 1?					
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?					
Old Value 1	1		New Value 1					Changed Value 1?					
Old Value 2			New Value 2					Changed Value 2?					
Old Operator 1	>	New Opt. 1			Changed Opt. 1?			Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Snow		New Condensed Impact								Changed Condensed Impact?		
Old Full Impact	Snow > light intensity produces accumulatoins which degrade operational effectiveness.												
New Full Impact													
										Changed Full Impact			
Old Source	(1st Cavalry Division, 1992);												
New Source	Delete Rule: TM 9-1425-472-12, Para 2-88, Nov 1990; Unusual conditions makes no mention of this impact.												
Comments													
Change to Source?	Y	Are There Any (2) Options?		N	Any Change to Record?		Y						

ID #	102	Subsystem Name	TOW2-AIR		Rule 1 #	56	Rule 2 #		Delete Rule?	N			
Old Color	2	New Color	2							Changed Color?	N		
Parameter 1 #	10	Old Param. 1 ID	freezingrain		New Param. 1 ID	Freezing Rain		Changed Param. 1?		N			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?					
Old Value 1	0		New Value 1	None				Changed Value 1?		Y			
Old Value 2			New Value 2					Changed Value 2?					
Old Operator 1	>	New Opt. 1	>		Changed Opt. 1?	N		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Freezing Rain		New Condensed Impact	Freezing Rain							Changed Condensed Impact?	N	
Old Full Impact	Any occurrence of freezing rain may cause the missile to freeze to the rails and make firing very difficult.												
New Full Impact	Firing the TOW in freezing rain > none is prohibited because the warhead may ditonate near the aircraft.												
										Changed Full Impact	Y		
Old Source	(1st Cavalry Division, 1992);												
New Source	TM 55-1520-236-10, Para 8-51, 8-81, Aug 1994												
Comments													
Change to Source?	Y	Are There Any (2) Options?		N	Any Change to Record?		Y						

IWEDA Subsystem Rules

ID #	103	Subsystem Name	TOW2-AIR		Rule 1 #	60	Rule 2 #		Delete Rule?	Y	
Old Color	2	New Color			Changed Color?						
Parameter 1 #	17	Old Param. 1 ID	snow		New Param. 1 ID			Changed Param. 1?			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	0		New Value 1			Changed Value 1?					
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1			Changed Opt. 1?		Old Opt. 2	New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Snow		New Condensed Impact			Changed Condensed Impact?					
Old Full Impact	Any occurrence of snowfall may cause the missile to freeze to the rails and make firing very difficult.										
New Full Impact											
Changed Full Impact											
Old Source	(1st Cavalry Division, 1992);										
New Source	Delete Rule: TM 9-1425-472-12, Para 2-88, Nov 1990; Unusual conditions makes no mention of this impact.										
Comments											
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	104	Subsystem Name	TOW2-AIR		Rule 1 #	76	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2		Changed Color?					N	
Parameter 1 #	12	Old Param. 1 ID	icingintensity		New Param. 1 ID	Icing Intensity		Changed Param. 1?		N	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	0		New Value 1	None		Changed Value 1?				Y	
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>	New Opt. 1	>		Changed Opt. 1?	N	Old Opt. 2	New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Icing Aloft		New Condensed Impact	Icing Aloft		Changed Condensed Impact?				N	
Old Full Impact	Any occurrence of icing may cause the missile to freeze to the rails and make firing very difficult.										
New Full Impact	Firing the TOW in icing intensity > none is prohibited because the warhead may detonate near the aircraft if flight level is between (~icing base) and (~icing tops)										
Changed Full Impact										Y	
Old Source	(1st Cavalry Division, 1992);										
New Source	TM 55-1520-236-10, Para 8-51, 8-81, Aug 1994										
Comments											
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA Subsystem Rules

ID #	105	Subsystem Name	TOW2-GRND		Rule 1 #	4	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1							Changed Color?	N
Parameter 1 #	16	Old Param. 1 ID	slope		New Param. 1 ID	Slope		Changed Param. 1?		N	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	7		New Value 1	7 degrees				Changed Value 1?		N	
Old Value 2			New Value 2					Changed Value 2?			
Old Operator 1	>=		New Opt. 1	>=		Changed Opt. 1?	N		Old Opt. 2		
			New Opt. 2					Changed Opt. 2?			
Old Condensed Impact	Slope		New Condensed Impact	Slope				Changed Condensed Impact?		N	
Old Full Impact	Slope >= 7 degrees degrades siting accuracy.										
New Full Impact	When firing from a vehicle, slope >= 7 degrees degrades siting accuracy										
										Changed Full Impact	Y
Old Source	(1st Cavalry Division, 1992);										
New Source	FM 23-1, Para 1-5, Mar 1996										
Comments											
Change to Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

ID #	106	Subsystem Name	TOW2-GRND		Rule 1 #	5	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2							Changed Color?	N
Parameter 1 #	16	Old Param. 1 ID	slope		New Param. 1 ID	Slope		Changed Param. 1?		N	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	10		New Value 1	10 degrees				Changed Value 1?		N	
Old Value 2			New Value 2					Changed Value 2?			
Old Operator 1	>=		New Opt. 1	>=		Changed Opt. 1?	N		Old Opt. 2		
			New Opt. 2					Changed Opt. 2?			
Old Condensed Impact	Slope		New Condensed Impact	Slope				Changed Condensed Impact?		N	
Old Full Impact	Slope >= 10 degrees exceeds the operational limits.										
New Full Impact	When firing from a vehicle, slope >= 10 degrees exceeds the operational limits.										
										Changed Full Impact	Y
Old Source	(1st Cavalry Division, 1992);										
New Source	FM 23-1, Para 1-5, Mar 1996										
Comments											
Change to Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

IWEDA Subsystem Rules

ID #	107	Subsystem Name	TOW2-GRND		Rule 1 #	18	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2							Changed Color?	N
Parameter 1 #	22	Old Param. 1 ID	temperature		New Param. 1 ID	Temperature		Changed Param. 1?		N	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	140		New Value 1	140 F				Changed Value 1?		N	
Old Value 2			New Value 2					Changed Value 2?			
Old Operator 1	>=		New Opt. 1	>=		Changed Opt. 1?	N		Old Opt. 2		
			New Opt. 2					Changed Opt. 2?			
Old Condensed Impact	Hot		New Condensed Impact	Extreme Heat				Changed Condensed Impact?		Y	
Old Full Impact	Temperatures >= 140 F exceed the maximum operating range.										
New Full Impact	Temperatures >= 140 F exceed the maximum operating range.										
										Changed Full Impact	N
Old Source	(1st Cavalry Division, 1992);										
New Source	TM 9-1425-472-12, Para 2-76, Jan 1980										
Comments											
Change to Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

ID #	108	Subsystem Name	TOW2-GRND		Rule 1 #	27	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1							Changed Color?	N
Parameter 1 #	18	Old Param. 1 ID	snowdepth		New Param. 1 ID	Snow Depth		Changed Param. 1?		N	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	45		New Value 1	45 in.				Changed Value 1?		N	
Old Value 2			New Value 2					Changed Value 2?			
Old Operator 1	>=		New Opt. 1	>=		Changed Opt. 1?	N		Old Opt. 2		
			New Opt. 2					Changed Opt. 2?			
Old Condensed Impact	Snow Cover		New Condensed Impact	Deep Snow				Changed Condensed Impact?		Y	
Old Full Impact	Total snow depth >= 45 inches degrades effectiveness by making system siting difficult.										
New Full Impact	Total snow depth >= 45 inches degrades effectiveness by making system siting difficult.										
										Changed Full Impact	N
Old Source	(1st Cavalry Division, 1992);										
New Source	TM 9-1425-472-12, Para 2-88, Nov 1990										
Comments											
Change to Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

IWEDA Subsystem Rules

ID #	109	Subsystem Name	TOW2-GRND		Rule 1 #	59	Rule 2 #		Delete Rule?	☒		
Old Color	1	New Color			Changed Color?					☐		
Parameter 1 #	17	Old Param. 1 ID	snow		New Param. 1 ID			Changed Param. 1?		☐		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?		☐		
Old Value 1	1	New Value 1			Changed Value 1?					☐		
Old Value 2		New Value 2			Changed Value 2?					☐		
Old Operator 1	>	New Opt. 1			Changed Opt. 1?	☐	Old Opt. 2		New Opt. 2		Changed Opt. 2?	☐
Old Condensed Impact	Snow		New Condensed Impact			Changed Condensed Impact?					☐	
Old Full Impact	Snow > light intensity produces accumulaton which degrade operational effectiveness.											
New Full Impact												
										Changed Full Impact	☐	
Old Source	(1st Cavalry Division, 1992);											
New Source	Delete Rule: TM 9-1425-472-12, Para 2-88, Nov 1990; Unusual conditions makes no mention of this impact.											
Comments												
Change to Source?	☒	Are There Any (2) Options?		☒	Any Change to Record?		☒					

ID #	110	Subsystem Name	TRACKED PLATFORM		Rule 1 #	7	Rule 2 #		Delete Rule?	☒		
Old Color	1	New Color	1		Changed Color?					☒		
Parameter 1 #	22	Old Param. 1 ID	temperature		New Param. 1 ID	Temperature		Changed Param. 1?		☒		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?		☐		
Old Value 1	-25	New Value 1	- 25 F		Changed Value 1?					☒		
Old Value 2		New Value 2			Changed Value 2?					☐		
Old Operator 1	<=	New Opt. 1	<=		Changed Opt. 1?	☒	Old Opt. 2		New Opt. 2		Changed Opt. 2?	☐
Old Condensed Impact	Cold		New Condensed Impact	Extreme Cold		Changed Condensed Impact?					☒	
Old Full Impact	Temperatures <= -25 F require the installation of a winterization kit.											
New Full Impact	Temperatures <= - 25 F require the installation of a winterization kit.											
										Changed Full Impact	☒	
Old Source	(1st Cavalry Division, 1992);											
New Source	TM 9-2350-264-10-1, Page 1-16, Mar 1997											
Comments												
Change to Source?	☒	Are There Any (2) Options?		☒	Any Change to Record?		☒					

IWEDA Subsystem Rules

ID #	111	Subsystem Name	TRACKED PLATFORM		Rule 1 #	27	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2							Changed Color?	N
Parameter 1 #	18	Old Param. 1 ID	snowdepth		New Param. 1 ID	Snow Depth		Changed Param. 1?		N	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	45		New Value 1	45 in.				Changed Value 1?		N	
Old Value 2			New Value 2					Changed Value 2?			
Old Operator 1	>=		New Opt. 1	>=		Changed Opt. 1?	N		Old Opt. 2		
						New Opt. 2			Changed Opt. 2?		
Old Condensed Impact	Snow Cover		New Condensed Impact	Deep Snow				Changed Condensed Impact?		Y	
Old Full Impact	Total snow depth >= 45 inches makes mobility of the system very difficult.										
New Full Impact	Total snow depth >= 45 inches makes mobility of the system very difficult.										
										Changed Full Impact	N
Old Source	(1st Cavalry Division, 1992);										
New Source	TM 9-2350-264-10-1, Page 1-16, Mar 1997										
Comments											
Change to Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

ID #	112	Subsystem Name	TRACKED PLATFORM		Rule 1 #	31	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1							Changed Color?	N
Parameter 1 #	18	Old Param. 1 ID	snowdepth		New Param. 1 ID	Snow Depth		Changed Param. 1?		N	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	30		New Value 1	30 in.				Changed Value 1?		N	
Old Value 2			New Value 2					Changed Value 2?			
Old Operator 1	>=		New Opt. 1	>=		Changed Opt. 1?	N		Old Opt. 2		
						New Opt. 2			Changed Opt. 2?		
Old Condensed Impact	Snow Cover		New Condensed Impact	Deep Snow				Changed Condensed Impact?		Y	
Old Full Impact	Total snow depth >= 30 inches makes mobility of the system difficult.										
New Full Impact	Total snow depth >= 30 inches makes mobility of the system difficult.										
										Changed Full Impact	N
Old Source	(1st Cavalry Division, 1992);										
New Source	FM 31-71, Para 1-12a(2), Jun 1971										
Comments											
Change to Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

IWEDA Subsystem Rules

ID #	113	Subsystem Name	TRACKED PLATFORM	Rule 1 #	41	Rule 2 #		Delete Rule?	Y	
Old Color	1	New Color							Changed Color?	
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID				Changed Param. 1?		
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?		
Old Value 1	3000	New Value 1							Changed Value 1?	
Old Value 2		New Value 2							Changed Value 2?	
Old Operator 1	<=	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2		
Old Condensed Impact	Reduced Visibility		New Condensed Impact						Changed Condensed Impact?	
Old Full Impact	Visibility <= 1.8 miles (3000 m) reduces the operating speed.									
New Full Impact										
									Changed Full Impact	
Old Source	(1st Cavalry Division, 1992);									
New Source	Delete Rule: Personal interview with CSM Donald Schwab HHC1-52 Armored Battalion, North Carolina Army National Guard, Ft. Bragg, NC. 12 Nov 1997. Not significant.									
Comments										
Change to Source?	Y	Are There Any (2) Options?					N	Any Change to Record?		Y

ID #	114	Subsystem Name	TRACKED PLATFORM	Rule 1 #	42	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1						Changed Color?	N
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility			Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?		
Old Value 1	2000	New Value 1	2000 meters						Changed Value 1?	N
Old Value 2		New Value 2							Changed Value 2?	
Old Operator 1	<=	New Opt. 1	<=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		
Old Condensed Impact	Reduced Visibility		New Condensed Impact	Reduced Visibility					Changed Condensed Impact?	N
Old Full Impact	Visibility <= 1.2 miles (2000 m) greatly reduces the operating speed.									
New Full Impact	Visibility <= 1.2 miles (2000 m) greatly reduces the operating speed.									
									Changed Full Impact	N
Old Source	(1st Cavalry Division, 1992);									
New Source	Personal interview with CSM Donald Schwab HHC1-52 Armored Battalion, North Carolina Army National Guard, Ft. Bragg, NC. 12 Nov 1997.									
Comments										
Change to Source?	Y	Are There Any (2) Options?					N	Any Change to Record?		Y

IWEDA Subsystem Rules

ID #	115	Subsystem Name	TRACKED PLATFORM		Rule 1 #	52	Rule 2 #		Delete Rule?	N				
Old Color	1	New Color	1		Changed Color?					N				
Parameter 1 #	14	Old Param. 1 ID	rain		New Param. 1 ID	Rain		Changed Param. 1?	N					
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?						
Old Value 1	1		New Value 1	Light		Changed Value 1?					Y			
Old Value 2			New Value 2			Changed Value 2?								
Old Operator 1	>		New Opt. 1	>		Changed Opt. 1?	N		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Precipitation				New Condensed Impact	Rain				Changed Condensed Impact?			Y	
Old Full Impact	Rain > light intensity makes trafficability of the system difficult.													
New Full Impact	Rain > light intensity makes trafficability of the system difficult.													
													Changed Full Impact	N
Old Source	(1st Cavalry Division, 1992);													
New Source	Personal interview with CSM Donald Schwab HHC1-52 Armored Battalion, North Carolina Army National Guard, Ft. Bragg, NC. 12 Nov 1997.													
Comments														
Change to Source?	Y		Are There Any (2) Options?					N		Any Change to Record?				Y

ID #	116	Subsystem Name	TRACKED PLATFORM		Rule 1 #	54	Rule 2 #		Delete Rule?	N				
Old Color	2	New Color	2		Changed Color?					N				
Parameter 1 #	14	Old Param. 1 ID	rain		New Param. 1 ID	Rain		Changed Param. 1?	N					
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?						
Old Value 1	2		New Value 1	Moderate		Changed Value 1?					Y			
Old Value 2			New Value 2			Changed Value 2?								
Old Operator 1	>		New Opt. 1	>		Changed Opt. 1?	N		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Precipitation				New Condensed Impact	Heavy Rain				Changed Condensed Impact?			Y	
Old Full Impact	Rain > moderate intensity makes trafficability of the system very difficult.													
New Full Impact	Rain > moderate intensity makes trafficability of the system very difficult.													
													Changed Full Impact	N
Old Source	(1st Cavalry Division, 1992);													
New Source	Personal interview with CSM Donald Schwab HHC1-52 Armored Battalion, North Carolina Army National Guard, Ft. Bragg, NC. 12 Nov 1997.													
Comments														
Change to Source?	Y		Are There Any (2) Options?					N		Any Change to Record?				Y

IWEDA Subsystem Rules

ID #	117	Subsystem Name	TRQ-32V		Rule 1 #	89	Rule 2 #		Delete Rule?	☒ Y	
Old Color	1	New Color						Changed Color?	☐		
Parameter 1 #	15	Old Param. 1 ID	relativehumidity		New Param. 1 ID			Changed Param. 1?	☐		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?	☐		
Old Value 1	65		New Value 1			Changed Value 1?		☐			
Old Value 2			New Value 2			Changed Value 2?		☐			
Old Operator 1	>=		New Opt. 1			Changed Opt. 1?	☐		Old Opt. 2		
			New Opt. 2			Changed Opt. 2?	☐				
Old Condensed Impact	Relative Humidity		New Condensed Impact			Changed Condensed Impact?		☐			
Old Full Impact	Humidity >= 65% decreases system effectiveness.										
New Full Impact											
										Changed Full Impact	☐
Old Source	(1st Cavalry Division, 1992);										
New Source	Delete Rule: No reference or record of system in DAPAM 25-30, Army Index of Publications and Forms, Oct 1997.										
Comments											
Change to Source?	☒ Y		Are There Any (2) Options?		☒ N		Any Change to Record?		☒ Y		

ID #	118	Subsystem Name	TRQ-32V ANTENNA		Rule 1 #	32	Rule 2 #		Delete Rule?	☒ Y	
Old Color	2	New Color						Changed Color?	☐		
Parameter 1 #	23	Old Param. 1 ID	thunderstorm		New Param. 1 ID			Changed Param. 1?	☐		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?	☐		
Old Value 1	1		New Value 1	Yes		Changed Value 1?		☐			
Old Value 2			New Value 2			Changed Value 2?		☐			
Old Operator 1	=		New Opt. 1	=		Changed Opt. 1?	☐		Old Opt. 2		
			New Opt. 2			Changed Opt. 2?	☐				
Old Condensed Impact	Thunderstorm		New Condensed Impact			Changed Condensed Impact?		☐			
Old Full Impact	Any occurrence of thunderstorms create a potentially significant hazard to equipment and operators. The antenna must be stowed during a storm.										
New Full Impact											
										Changed Full Impact	☐
Old Source	(1st Cavalry Division, 1992);										
New Source	Delete Rule: No reference or record of system in DAPAM 25-30, Army Index of Publications and Forms, Oct 1997.										
Comments											
Change to Source?	☒ Y		Are There Any (2) Options?		☒ N		Any Change to Record?		☒ Y		

IWEDA Subsystem Rules

ID #	119	Subsystem Name	TRQ-32V ANTENNA		Rule 1 #	64	Rule 2 #		Delete Rule?	Y		
Old Color	1	New Color								Changed Color?		
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed		New Param. 1 ID			Changed Param. 1?				
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?				
Old Value 1	15		New Value 1					Changed Value 1?				
Old Value 2			New Value 2					Changed Value 2?				
Old Operator 1	>		New Opt. 1			Changed Opt. 1?			Old Opt. 2			
									New Opt. 2			
									Changed Opt. 2?			
Old Condensed Impact	Surface Wind		New Condensed Impact					Changed Condensed Impact?				
Old Full Impact	Surface wind speed >= 15 kts degrades the DF performance.											
New Full Impact												
											Changed Full Impact	
Old Source	(1st Cavalry Division, 1992);											
New Source	Delete Rule: No reference or record of system in DAPAM 25-30, Army Index of Publications and Forms, Oct 1997.											
Comments												
Change to Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y			

ID #	120	Subsystem Name	TRQ-32V ANTENNA		Rule 1 #	66	Rule 2 #		Delete Rule?	Y		
Old Color	2	New Color								Changed Color?		
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed		New Param. 1 ID			Changed Param. 1?				
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?				
Old Value 1	25		New Value 1					Changed Value 1?				
Old Value 2			New Value 2					Changed Value 2?				
Old Operator 1	>=		New Opt. 1			Changed Opt. 1?			Old Opt. 2			
									New Opt. 2			
									Changed Opt. 2?			
Old Condensed Impact	Surface Wind		New Condensed Impact					Changed Condensed Impact?				
Old Full Impact	Surface wind speed >= 25 kts severely degrades the DF performance.											
New Full Impact												
											Changed Full Impact	
Old Source	(1st Cavalry Division, 1992);											
New Source	Delete Rule: No reference or record of system in DAPAM 25-30, Army Index of Publications and Forms, Oct 1997.											
Comments												
Change to Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y			

IWEDA Subsystem Rules

ID #	121	Subsystem Name	TSQ-138 ANTENNA		Rule 1 #	32	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2							Changed Color?	N
Parameter 1 #	23	Old Param. 1 ID	thunderstorm		New Param. 1 ID	Thunderstorm		Changed Param. 1?		N	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	1		New Value 1	Yes				Changed Value 1?		Y	
Old Value 2			New Value 2					Changed Value 2?			
Old Operator 1	=	New Opt. 1	=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Thunderstorm		New Condensed Impact	Thunderstorm				Changed Condensed Impact?		N	
Old Full Impact	Any occurrence of thunderstorms create a potentially significant hazard to equipment and operators. The antenna must be stowed during a storm.										
New Full Impact	Any occurrence of thunderstorms create a potentially significant hazard to equipment and operators. The antenna must be stowed during a storm.										
										Changed Full Impact	N
Old Source	(1st Cavalry Division, 1992);										
New Source	TM 11-5820-773-15, Para 2-6.1, Jul 1983										
Comments											
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	122	Subsystem Name	TSQ-138 ANTENNA		Rule 1 #	56	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	1							Changed Color?	Y
Parameter 1 #	10	Old Param. 1 ID	freezingrain		New Param. 1 ID	Freezing Rain		Changed Param. 1?		N	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	0		New Value 1	None				Changed Value 1?		Y	
Old Value 2			New Value 2					Changed Value 2?			
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Freezing Rain		New Condensed Impact	Freezing Rain				Changed Condensed Impact?		N	
Old Full Impact	Any occurrence of freezing rain reduces antenna effectiveness by degrading power output of antenna. May also preclude mast erection.										
New Full Impact	Freezing rain reduces antenna effectiveness										
										Changed Full Impact	N
Old Source	(1st Cavalry Division, 1992);										
New Source	Operator Guide "TrailBlazer", MVP Corporation, Mar 1993										
Comments											
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA Subsystem Rules

ID #	123	Subsystem Name	TSQ-138 ANTENNA		Rule 1 #	69	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1							Changed Color?	N
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed		New Param. 1 ID	Surface Wind Speed		Changed Param. 1?		N	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	35		New Value 1	45 kts.				Changed Value 1?		Y	
Old Value 2			New Value 2					Changed Value 2?			
Old Operator 1	>=		New Opt. 1	>=		Changed Opt. 1?	N		Old Opt. 2		
			New Opt. 2					Changed Opt. 2?			
Old Condensed Impact	Surface Wind		New Condensed Impact	Strong Surface Wind				Changed Condensed Impact?		Y	
Old Full Impact	Surface wind speed >= 35 kts precludes extending the antenna. This degrades LOS and reduces the intercept range. DF is also degraded due to movement of elements.										
New Full Impact	Surface wind speed >= 45 kts. precludes extending antenna, degrades LOS, reduces intercept range and degrades DF.										
										Changed Full Impact	Y
Old Source	(1st Cavalry Division, 1992);										
New Source	FM 34-81-1, Appendix I-5, Dec 1992										
Comments											
Change to Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

ID #	124	Subsystem Name	TSQ-138 ANTENNA		Rule 1 #	73	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2							Changed Color?	N
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed		New Param. 1 ID	Surface Wind Speed		Changed Param. 1?		N	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	43		New Value 1	78 kts.				Changed Value 1?		Y	
Old Value 2			New Value 2					Changed Value 2?			
Old Operator 1	>=		New Opt. 1	>=		Changed Opt. 1?	N		Old Opt. 2		
			New Opt. 2					Changed Opt. 2?			
Old Condensed Impact	Surface Wind		New Condensed Impact	Very Strong Surface Wind				Changed Condensed Impact?		Y	
Old Full Impact	Surface wind speed >= 43 kts exceeds the operating limits.										
New Full Impact	Surface wind speed >= 78 kts. exceeds the operating limits.										
										Changed Full Impact	Y
Old Source	(1st Cavalry Division, 1992);										
New Source	FM 34-81-1, Appendix I-5, Dec 1992										
Comments											
Change to Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

IWEDA Subsystem Rules

ID #	125	Subsystem Name	UH-60 ENGINE		Rule 1 #	63	Rule 2 #		Delete Rule?	Y			
Old Color	1	New Color								Changed Color?			
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed		New Param. 1 ID	Surface Wind Speed		Changed Param. 1?					
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?					
Old Value 1	30		New Value 1					Changed Value 1?					
Old Value 2			New Value 2					Changed Value 2?					
Old Operator 1	>=	New Opt. 1			Changed Opt. 1?			Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Surface Wind		New Condensed Impact					Changed Condensed Impact?					
Old Full Impact													
New Full Impact													
										Changed Full Impact			
Old Source	(1st Cavalry Division, 1992);												
New Source	Delete Rule: Replaced by Ssystem Rule ID# 252												
Comments													
Change to Source?			Are There Any (2) Options?		N		Any Change to Record?		Y				

ID #	126	Subsystem Name	UH-60 ENGINE		Rule 1 #	68	Rule 2 #		Delete Rule?	Y			
Old Color	2	New Color								Changed Color?			
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed		New Param. 1 ID			Changed Param. 1?					
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?					
Old Value 1	45		New Value 1					Changed Value 1?					
Old Value 2			New Value 2					Changed Value 2?					
Old Operator 1	>	New Opt. 1			Changed Opt. 1?			Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Surface Wind		New Condensed Impact					Changed Condensed Impact?					
Old Full Impact	Surface wind speed > 45 kts exceeds the system operating limits to start engines.												
New Full Impact													
										Changed Full Impact			
Old Source	(1st Cavalry Division, 1992);												
New Source	Delete Rule: Not necessary, covered in rule SYS ID# 252												
Comments													
Change to Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y				

IWEDA Subsystem Rules

ID #	127	Subsystem Name	VEESS - SMOKE GENERATOR		Rule 1 #	6	Rule 2 #		Delete Rule?	N			
Old Color	1	New Color	1						Changed Color?	N			
Parameter 1 #	19	Old Param. 1 ID	stability		New Param. 1 ID	Stability		Changed Param. 1?	N				
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?					
Old Value 1	4		New Value 1	Stable				Changed Value 1?	Y				
Old Value 2			New Value 2					Changed Value 2?					
Old Operator 1	<	New Opt. 1	<		Changed Opt. 1?	N		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Neutral Atmosphere		New Condensed Impact	Neutral Atmosphere				Changed Condensed Impact?	N				
Old Full Impact	Neutral or unstable conditions makes the production of smoke ineffective due to dissipation.												
New Full Impact	Neutral or unstable conditions makes the production of smoke ineffective due to dissipation.												
												Changed Full Impact	N
Old Source	(1st Cavalry Division, 1992);												
New Source	FM 3-50, pp. 89-91, Sep 1996												
Comments													
Change to Source?	Y		Are There Any (2) Options?				N		Any Change to Record?				Y

ID #	128	Subsystem Name	VEESS - SMOKE GENERATOR		Rule 1 #	72	Rule 2 #		Delete Rule?	N			
Old Color	1	New Color	1						Changed Color?	N			
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed		New Param. 1 ID	Surface Wind Speed		Changed Param. 1?	N				
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?					
Old Value 1	10		New Value 1	10 kts.				Changed Value 1?	N				
Old Value 2			New Value 2					Changed Value 2?					
Old Operator 1	>=	New Opt. 1	>=		Changed Opt. 1?	N		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Surface Wind		New Condensed Impact	Surface Wind				Changed Condensed Impact?	N				
Old Full Impact	Surface wind speed >= 10 kts reduces smoke effectiveness due to dissipation.												
New Full Impact	Surface wind speed >= 10 kts reduces smoke effectiveness due to dissipation.												
												Changed Full Impact	N
Old Source	(1st Cavalry Division, 1992);												
New Source	FM 3-50, Page 89-91, Sep 1996												
Comments													
Change to Source?	Y		Are There Any (2) Options?				N		Any Change to Record?				Y

IWEDA Subsystem Rules

ID #	129	Subsystem Name	VRC-46	Rule 1 #	19	Rule 2 #		Delete Rule?	Y		
Old Color	1	New Color							Changed Color?		
Parameter 1 #	22	Old Param. 1 ID	temperature	New Param. 1 ID					Changed Param. 1?		
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID					Changed Param. 2?		
Old Value 1	85	New Value 1							Changed Value 1?		
Old Value 2		New Value 2							Changed Value 2?		
Old Operator 1	>=	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Hot		New Condensed Impact						Changed Condensed Impact?		
Old Full Impact	Temperatures >= 85 F cause radios to fail due to heat buildup.										
New Full Impact											
										Changed Full Impact	
Old Source	(1st Cavalry Division, 1992);										
New Source	Delete Rule: TM 11-5820-401-10-2, Aug 1995. Operator's Manual makes no mention of hot temperatures anywhere.										
Comments											
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	130	Subsystem Name	WATER CONSUMPTION	Rule 1 #	19	Rule 2 #		Delete Rule?	N		
Old Color	1	New Color	1						Changed Color?	N	
Parameter 1 #	22	Old Param. 1 ID	temperature	New Param. 1 ID	Temperature				Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID					Changed Param. 2?		
Old Value 1	85	New Value 1	85 F						Changed Value 1?	N	
Old Value 2		New Value 2							Changed Value 2?		
Old Operator 1	>=	New Opt. 1	>=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Hot		New Condensed Impact	Hot					Changed Condensed Impact?	N	
Old Full Impact	Temperatures >= 85 F require a soldier to increase his water consumption.										
New Full Impact	Temperatures >= 85 F require a soldier to increase his water consumption.										
										Changed Full Impact	N
Old Source	(1st Cavalry Division, 1992);										
New Source	FM 21-10-1, Table 2-3, Oct 1989										
Comments											
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA Subsystem Rules

ID #	131	Subsystem Name	WATER CONSUMPTION	Rule 1 #	20	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2					Changed Color?	N	
Parameter 1 #	22	Old Param. 1 ID	temperature	New Param. 1 ID	Temperature			Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?		
Old Value 1	95	New Value 1	95 F					Changed Value 1?	N	
Old Value 2		New Value 2						Changed Value 2?		
Old Operator 1	>=	New Opt. 1	>=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		
Old Condensed Impact	Hot		New Condensed Impact	Hot				Changed Condensed Impact?	N	
Old Full Impact	Temperatures >= 95 F require a soldier to greatly increase his water consumption. Large quantities of potable water must be readily available.									
New Full Impact	Temperatures >= 95 F require a soldier to greatly increase his water consumption. Large quantities of potable water must be readily available.									
								Changed Full Impact	N	
Old Source	(1st Cavalry Division, 1992);									
New Source	FM 21-10-1, Table 2-3, Oct 1989									
Comments										
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?			Y

ID #	132	Subsystem Name	WHEELED PLATFORM	Rule 1 #	29	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1					Changed Color?	N	
Parameter 1 #	18	Old Param. 1 ID	snowdepth	New Param. 1 ID	Total Snow Depth			Changed Param. 1?	Y	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?		
Old Value 1	6	New Value 1	6 in.					Changed Value 1?	N	
Old Value 2		New Value 2						Changed Value 2?		
Old Operator 1	>=	New Opt. 1	>	Changed Opt. 1?	Y	Old Opt. 2		New Opt. 2		
Old Condensed Impact	Snow Cover		New Condensed Impact	Moderate Snow Cover				Changed Condensed Impact?	Y	
Old Full Impact	Total snow depth >= 6 inches makes the mobility of the system difficult.									
New Full Impact	Total snow depth > 6 inches reduces the mobility of the system and increases driving time.									
								Changed Full Impact	Y	
Old Source	(1st Cavalry Division, 1992);									
New Source	FM 34-130, Figure B-20, July 1994									
Comments										
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?			Y

IWEDA Subsystem Rules

ID #	133	Subsystem Name	WHEELED PLATFORM		Rule 1 #	30	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2							Changed Color?	N
Parameter 1 #	18	Old Param. 1 ID	snowdepth		New Param. 1 ID	Total Snow Depth		Changed Param. 1?		Y	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	20		New Value 1	18 in.				Changed Value 1?		Y	
Old Value 2			New Value 2					Changed Value 2?			
Old Operator 1	>=		New Opt. 1	>=		Changed Opt. 1?	N		Old Opt. 2		
			New Opt. 2					Changed Opt. 2?			
Old Condensed Impact	Snow Cover		New Condensed Impact	Deep Snow				Changed Condensed Impact?		Y	
Old Full Impact	Total snow depth >= 20 inches makes the mobility of the system very difficult and exceeds the operating limits.										
New Full Impact	Total snow depth >= 18 inches makes mobility of the system very difficult and significantly increases driving time.										
										Changed Full Impact	Y
Old Source	(1st Cavalry Division, 1992);										
New Source	FM 34-130, Figure B-20, July 1994										
Comments											
Change to Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

ID #	134	Subsystem Name	WHEELED PLATFORM		Rule 1 #	52	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	1							Changed Color?	Y
Parameter 1 #	14	Old Param. 1 ID	rain		New Param. 1 ID	Rain		Changed Param. 1?		N	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	1		New Value 1	Light				Changed Value 1?		Y	
Old Value 2			New Value 2					Changed Value 2?			
Old Operator 1	>		New Opt. 1	>		Changed Opt. 1?	N		Old Opt. 2		
			New Opt. 2					Changed Opt. 2?			
Old Condensed Impact	Precipitation		New Condensed Impact	Rain				Changed Condensed Impact?		Y	
Old Full Impact	Rain > light intensity makes mobility of the system very difficult.										
New Full Impact	Rain > light intensity makes mobility of the system difficult due to slippery and/or muddy conditions and increases driving time.										
										Changed Full Impact	Y
Old Source	(1st Cavalry Division, 1992);										
New Source	TM 9-2320-280-10, Para 2-24, 2-26, Oct 1986										
Comments											
Change to Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

IWEDA Subsystem Rules

ID #	135	Subsystem Name	WHEELED PLATFORM		Rule 1 #	55	Rule 2 #		Delete Rule?	N		
Old Color	2	New Color	2							Changed Color?	N	
Parameter 1 #	10	Old Param. 1 ID	freezingrain		New Param. 1 ID	Freezing Rain		Changed Param. 1?		N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?				
Old Value 1	1		New Value 1	Light				Changed Value 1?		Y		
Old Value 2			New Value 2					Changed Value 2?				
Old Operator 1	>		New Opt. 1	>		Changed Opt. 1?	N		Old Opt. 2			
			New Opt. 2					Changed Opt. 2?				
Old Condensed Impact	Freezing Rain		New Condensed Impact	Freezing Rain				Changed Condensed Impact?		N		
Old Full Impact	Freezing rain > light intensity may significantly degrades mobility and speed.											
New Full Impact	Freezing Rain > light intensity will significantly degrade mobility and significantly increase driving time.											
											Changed Full Impact	Y
Old Source	(1st Cavalry Division, 1992);											
New Source	TM 9-2320-280-10, Para 2-22, Oct 1986											
Comments												
Change to Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y			

ID #	136	Subsystem Name	WHEELED PLATFORM		Rule 1 #	56	Rule 2 #		Delete Rule?	N		
Old Color	1	New Color	1							Changed Color?	N	
Parameter 1 #	10	Old Param. 1 ID	freezingrain		New Param. 1 ID	Freezing Rain		Changed Param. 1?		N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?				
Old Value 1	0		New Value 1	None				Changed Value 1?		Y		
Old Value 2			New Value 2					Changed Value 2?				
Old Operator 1	>		New Opt. 1	>		Changed Opt. 1?	N		Old Opt. 2			
			New Opt. 2					Changed Opt. 2?				
Old Condensed Impact	Freezing Rain		New Condensed Impact	Freezing Rain				Changed Condensed Impact?		N		
Old Full Impact	Any occurrence of freezing rain degrades mobility and speed.											
New Full Impact	Any occurrence of freezing rain degrades mobility and speed and increases driving time.											
											Changed Full Impact	Y
Old Source	(1st Cavalry Division, 1992);											
New Source	TM 9-2320-280-10, Para 2-22, Oct 1986											
Comments												
Change to Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y			

IWEDA Subsystem Rules

ID #	137	Subsystem Name	WHEELED PLATFORM	Rule 1 #	59	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	1					Changed Color?	Y	
Parameter 1 #	17	Old Param. 1 ID	snow	New Param. 1 ID	Snow			Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?		
Old Value 1	1	New Value 1	Light			Changed Value 1?	Y			
Old Value 2		New Value 2				Changed Value 2?				
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		
Old Condensed Impact	Snow		New Condensed Impact	Snow				Changed Condensed Impact?	N	
Old Full Impact	Snow > light intensity makes mobility of the system very difficult.									
New Full Impact	Snow > light intensity makes mobility of the system difficult and increases driving time.									
								Changed Full Impact	Y	
Old Source	(1st Cavalry Division, 1992);									
New Source	TM 9-2320-280-10, Para 2-22, Oct 1986									
Comments										
Change to Source?	Y	Are There Any (2) Options?				N	Any Change to Record?			Y

IWEDA Component Rules

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IWEDA Component Rules

ID #	1	Component Name	30 MM MACHINE GUN	Rule 1 #	46	Rule 2 #		Delete Rule?	Y		
Old Color	1	New Color		Changed Color?							
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID		Changed Param. 1?					
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?					
Old Value 1	4000	New Value 1		Changed Value 1?							
Old Value 2		New Value 2		Changed Value 2?							
Old Operator 1	<input "="" type="text" value=" < "/>	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2		Changed Opt. 2	
Old Condensed Impact	Reduced Visibility			New Condensed Impact				Changed Condensed Impact?			
Old Full Impact	Visibility < 2.5 miles (4000 m) reduces the operating capability.										
New Full Impact											
										Changed Full Impact?	
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	Delete Rule: Redundant with Subsystem Rule #ID 12										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	2	Component Name	AN/MPQ-53 (PATRIOT RADAR ANT)	Rule 1 #	55	Rule 2 #		Delete Rule?	Y		
Old Color	1	New Color		Changed Color?							
Parameter 1 #	10	Old Param. 1 ID	freezingrain	New Param. 1 ID		Changed Param. 1?					
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?					
Old Value 1	1	New Value 1		Changed Value 1?							
Old Value 2		New Value 2		Changed Value 2?							
Old Operator 1	<input "="" type="text" value=" > "/>	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2		Changed Opt. 2	
Old Condensed Impact	Freezing Rain			New Condensed Impact				Changed Condensed Impact?			
Old Full Impact	Moderate freezing rain causes ice buildup on the antenna that may degrade the effectiveness of the system.										
New Full Impact											
										Changed Full Impact?	
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	Delete Rule: TM9-1430-601-10-1, Operator's Manual makes no mention of any impact from freezing rain, May 1997										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

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IWEDA Component Rules

ID #	3	Component Name	AN/MPQ-53 (PATRIOT RADAR ANT)		Rule 1 #	57	Rule 2 #		Delete Rule?	☒			
Old Color	2	New Color						Changed Color?	☐				
Parameter 1 #	10	Old Param. 1 ID	freezingrain		New Param. 1 ID			Changed Param. 1?	☐				
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?	☐				
Old Value 1	2		New Value 1					Changed Value 1?	☐				
Old Value 2			New Value 2					Changed Value 2?	☐				
Old Operator 1	>	New Opt. 1			Changed Opt. 1?	☐		Old Opt. 2		New Opt. 2		Changed Opt. 2	☐
Old Condensed Impact	Freezing Rain		New Condensed Impact					Changed Condensed Impact?	☐				
Old Full Impact	Heavy freezing rain causes ice buildup on the antenna that significantly degrades the effectiveness of the system.												
New Full Impact													
												Changed Full Impact?	☐
Old Source	(1st Cavalry Division, 1992);												
New Source/Reason for Delete	Delete Rule: TM9-1430-601-10-1, Operator's Manual makes no mention of any impact from freezing rain, May 1997												
Comments													
Changed Source?	☒	Are There Any (2) Options?				N	Any Change to Record?				☒		

ID #	4	Component Name	AN/MPQ-53 (PATRIOT RADAR ANT)		Rule 1 #	58	Rule 2 #		Delete Rule?	☒			
Old Color	2	New Color						Changed Color?	☐				
Parameter 1 #	17	Old Param. 1 ID	snow		New Param. 1 ID			Changed Param. 1?	☐				
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?	☐				
Old Value 1	3		New Value 1					Changed Value 1?	☐				
Old Value 2			New Value 2					Changed Value 2?	☐				
Old Operator 1	<input "="" type="text" value="="/>	New Opt. 1			Changed Opt. 1?	☐		Old Opt. 2		New Opt. 2		Changed Opt. 2	☐
Old Condensed Impact	Snow		New Condensed Impact					Changed Condensed Impact?	☐				
Old Full Impact	Heavy snow attenuates the signal and significantly degrades the effectiveness of the system.												
New Full Impact													
												Changed Full Impact?	☐
Old Source	(1st Cavalry Division, 1992);												
New Source/Reason for Delete	Delete Rule: TM9-1430-601-10-1, Operator's Manual makes no mention of any impact from snow, May 1997												
Comments													
Changed Source?	☒	Are There Any (2) Options?				N	Any Change to Record?				☒		

IWEDA Component Rules

ID #	5	Component Name	AN/MPQ-53 (PATRIOT RADAR ANT)		Rule 1 #	59	Rule 2 #		Delete Rule?	Y				
Old Color	1	New Color						Changed Color?						
Parameter 1 #	17	Old Param. 1 ID	snow		New Param. 1 ID			Changed Param. 1?						
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?						
Old Value 1	1		New Value 1					Changed Value 1?						
Old Value 2			New Value 2					Changed Value 2?						
Old Operator 1	>	New Opt. 1			Changed Opt. 1?			Old Opt. 2		New Opt. 2		Changed Opt. 2		
Old Condensed Impact	Snow		New Condensed Impact					Changed Condensed Impact?						
Old Full Impact	Moderate snow attenuates the signal and degrades the effectiveness of the system.													
New Full Impact														
												Changed Full Impact?		
Old Source	(1st Cavalry Division, 1992);													
New Source/Reason for Delete	Delete Rule: TM9-1430-601-10-1, Operator's Manual makes no mention of any impact from snow, May 1997													
Comments														
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y					

ID #	6	Component Name	COPPERHEAD		Rule 1 #	37	Rule 2 #		Delete Rule?	N				
Old Color	2	New Color	2					Changed Color?	N					
Parameter 1 #	26	Old Param. 1 ID	visibility		New Param. 1 ID	Visibility		Changed Param. 1?	N					
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?						
Old Value 1	1000		New Value 1	1000 meters				Changed Value 1?	N					
Old Value 2			New Value 2					Changed Value 2?						
Old Operator 1	<	New Opt. 1	<		Changed Opt. 1?	N		Old Opt. 2		New Opt. 2		Changed Opt. 2		
Old Condensed Impact	Reduced Visibility		New Condensed Impact	Very Low Visibility				Changed Condensed Impact?	Y					
Old Full Impact	Visibility < 0.6 mile (1000 m) reduces the engagement effectiveness of the IR-SAL sensor.													
New Full Impact	Visibility < 0.6 mile (1000 m) reduces the engagement effectiveness of the IR-SAL sensor.													
												Changed Full Impact?	N	
Old Source	(1st Cavalry Division, 1992);													
New Source/Reason for Delete	Rule validated by USAFAS, POC Maj Chapman, 3 Dec 1997													
Comments														
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y					

IWEDA Component Rules

ID #	7	Component Name	COPPERHEAD	Rule 1 #	46	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1					Changed Color?	N	
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility			Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?		
Old Value 1	4000	New Value 1	4000 meters					Changed Value 1?	N	
Old Value 2		New Value 2						Changed Value 2?		
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		
Old Condensed Impact	Reduced Visibility		New Condensed Impact	Low Visibility				Changed Condensed Impact?	Y	
Old Full Impact	Visibility < 2.5 miles (4000 m) reduces the engagement effectiveness of the IR-SAL sensor.									
New Full Impact	Visibility < 2.5 miles (4000 m) reduces the engagement effectiveness of the IR-SAL sensor.									
									Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);									
New Source/ Reason for Delete	Rule validated by USAFAS, POC Maj Chapman, 3 Dec 1997									
Comments										
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?			Y

ID #	8	Component Name	COPPERHEAD	Rule 1 #	52	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1					Changed Color?	N	
Parameter 1 #	14	Old Param. 1 ID	rain	New Param. 1 ID	Rain			Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?		
Old Value 1	1	New Value 1	Light					Changed Value 1?	Y	
Old Value 2		New Value 2						Changed Value 2?		
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		
Old Condensed Impact	Precipitation		New Condensed Impact	Rain				Changed Condensed Impact?	Y	
Old Full Impact	Rain > light intensity makes lasing the target difficult.									
New Full Impact	Rain > light intensity makes lasing the target difficult.									
									Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);									
New Source/ Reason for Delete	Rule validated by USAFAS, POC Maj Chapman, 3 Dec 1997									
Comments										
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?			Y

IWEDA Component Rules

ID #	9	Component Name	COPPERHEAD	Rule 1 #	54	Rule 2 #		Delete Rule?	N		
Old Color	2	New Color	2						Changed Color?	N	
Parameter 1 #	14	Old Param. 1 ID	rain	New Param. 1 ID	Rain				Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID					Changed Param. 2?		
Old Value 1	2	New Value 1	Moderate						Changed Value 1?	Y	
Old Value 2		New Value 2							Changed Value 2?		
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2	
Old Condensed Impact	Precipitation			New Condensed Impact	Heavy Rain			Changed Condensed Impact?			Y
Old Full Impact	Rain > moderate intensity makes lasing the target very difficult.										
New Full Impact	Rain > moderate intensity makes lasing the target very difficult.										
										Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	Rule validated by USAFAS, POC Maj Chapman, 3 Dec 1997										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	10	Component Name	COPPERHEAD	Rule 1 #	58	Rule 2 #		Delete Rule?	N		
Old Color	2	New Color	2						Changed Color?	N	
Parameter 1 #	17	Old Param. 1 ID	snow	New Param. 1 ID	Snow				Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID					Changed Param. 2?		
Old Value 1	3	New Value 1	Moderate						Changed Value 1?	Y	
Old Value 2		New Value 2							Changed Value 2?		
Old Operator 1	=	New Opt. 1	=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2	
Old Condensed Impact	Snow			New Condensed Impact	Heavy Snow			Changed Condensed Impact?			Y
Old Full Impact	Snow > moderate intensity makes lasing the target very difficult.										
New Full Impact	Snow > moderate intensity makes lasing the target very difficult.										
										Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	Rule validated by USAFAS, POC Maj Chapman, 3 Dec 1997										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA Component Rules

ID #	11	Component Name	COPPERHEAD	Rule 1 #	59	Rule 2 #		Delete Rule?	N
Old Color	1	New Color	1					Changed Color?	N
Parameter 1 #	17	Old Param. 1 ID	snow	New Param. 1 ID	Snow			Changed Param. 1?	N
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?	
Old Value 1	1	New Value 1	Light					Changed Value 1?	Y
Old Value 2		New Value 2						Changed Value 2?	
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2	
Old Condensed Impact	Snow		New Condensed Impact	Snow				Changed Condensed Impact?	N
Old Full Impact	Snow > light intensity makes lasing the target difficult.								
New Full Impact	Snow > light intensity makes lasing the target difficult.								
								Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);								
New Source/ Reason for Delete	Rule validated by USAFAS, POC Maj Chapman, 3 Dec 1997								
Comments									
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?		Y

ID #	12	Component Name	COPPERHEAD	Rule 1 #	96	Rule 2 #	96	Delete Rule?	N
Old Color	2	New Color	2					Changed Color?	N
Parameter 1 #	4	Old Param. 1 ID	cloudcover	New Param. 1 ID	Cloud Cover			Changed Param. 1?	N
Parameter 2 #	3	Old Param. 2 ID	cloudbase	New Param. 2 ID	Cloud Base			Changed Param. 2?	N
Old Value 1	0	New Value 1	4/8 Coverage					Changed Value 1?	Y
Old Value 2	1500	New Value 2	1500 ft.					Changed Value 2?	N
Old Operator 1	>	New Opt. 1	<input "="" type="text" value=">="/>	Changed Opt. 1?	Y	Old Opt. 2	<input "="" type="text" value="<="/>	New Opt. 2	<input "="" type="text" value="<="/>
Old Condensed Impact	Clouds		New Condensed Impact	Low Clouds				Changed Condensed Impact?	Y
Old Full Impact	Cloud bases <= 1500 ft make acquiring the lased target very difficult.								
New Full Impact	Cloud ceilings <= 1500 ft make acquiring the lased target very difficult.								
								Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);								
New Source/ Reason for Delete	Rule validated by USAFAS, POC Maj Chapman, 3 Dec 1997								
Comments									
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?		Y

IWEDA Component Rules

ID #	13	Component Name	COPPERHEAD	Rule 1 #	97	Rule 2 #	97	Delete Rule?	N		
Old Color	1	New Color	1					Changed Color?	N		
Parameter 1 #	4	Old Param. 1 ID	cloudcover	New Param. 1 ID	Cloud Cover			Changed Param. 1?	N		
Parameter 2 #	3	Old Param. 2 ID	cloudbase	New Param. 2 ID	Cloud Base			Changed Param. 2?	N		
Old Value 1	0	New Value 1	4/8 Coverage					Changed Value 1?	Y		
Old Value 2	2500	New Value 2	2500 ft.					Changed Value 2?	N		
Old Operator 1	>	New Opt. 1	>=	Changed Opt. 1?	Y	Old Opt. 2	<=	New Opt. 2	<=	Changed Opt. 2	N
Old Condensed Impact	Clouds		New Condensed Impact	Low Clouds		Changed Condensed Impact?				Y	
Old Full Impact	Cloud bases <= 2500 ft make acquiring the lased target difficult.										
New Full Impact	Cloud ceilings <= 2500 ft make acquiring the lased target difficult.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	Rule validated by USAFAS, POC Maj Chapman, 3 Dec 1997										
Comments											
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?				Y

ID #	14	Component Name	COPPERHEAD	Rule 1 #	107	Rule 2 #	107	Delete Rule?	Y		
Old Color	1	New Color						Changed Color?			
Parameter 1 #	4	Old Param. 1 ID	cloudcover	New Param. 1 ID				Changed Param. 1?			
Parameter 2 #	3	Old Param. 2 ID	cloudbase	New Param. 2 ID				Changed Param. 2?			
Old Value 1	4	New Value 1						Changed Value 1?			
Old Value 2	5000	New Value 2						Changed Value 2?			
Old Operator 1	>	New Opt. 1		Changed Opt. 1?		Old Opt. 2	<=	New Opt. 2		Changed Opt. 2	
Old Condensed Impact	Clouds		New Condensed Impact			Changed Condensed Impact?					
Old Full Impact	Cloud cover > 4/8 with cloud bases <= 5000 ft degrades the overall use of smart munitions.										
New Full Impact											
										Changed Full Impact?	
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	Delete Rule: Redundant with rules ID# 12 and 13.										
Comments											
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?				Y

IWEDA Component Rules

ID #	15	Component Name	DIESEL FUEL	Rule 1 #	7	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1					Changed Color?	N	
Parameter 1 #	22	Old Param. 1 ID	temperature	New Param. 1 ID	Temperature			Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?		
Old Value 1	-25	New Value 1	- 25 F					Changed Value 1?	N	
Old Value 2		New Value 2						Changed Value 2?		
Old Operator 1	<input "="" type="text" value="<="/>	New Opt. 1	<input "="" type="text" value="<="/>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		
Old Condensed Impact	Cold		New Condensed Impact	Extreme Cold				Changed Condensed Impact?	Y	
Old Full Impact	Temperatures < -25 F cause diesel fuel to gell unless heaters are used.									
New Full Impact	Temperatures <= -25F require extreme cold temperature grade fuels									
									Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);									
New Source/ Reason for Delete	TM 5-6115-600-12, Para 3-1, Feb 1982									
Comments										
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?			Y

ID #	16	Component Name	FIRE CONTROL SYSTEM	Rule 1 #	51	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1					Changed Color?	N	
Parameter 1 #	7	Old Param. 1 ID	drizzle	New Param. 1 ID	Drizzle			Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?		
Old Value 1	0	New Value 1	None					Changed Value 1?	Y	
Old Value 2		New Value 2						Changed Value 2?		
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		
Old Condensed Impact	Drizzle		New Condensed Impact	Drizzle				Changed Condensed Impact?	N	
Old Full Impact	Any occurrence of drizzle (wet weather) causes fire control system failures if the electronic box is not sealed.									
New Full Impact	Any occurrence of drizzle (wet weather) causes fire control system failures if the electronic box is not sealed.									
									Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);									
New Source/ Reason for Delete	Rule validated by USAFAS, POC SFC Garrett, 3 Dec 1997.									
Comments										
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?			Y

IWEDA Component Rules

ID #	17	Component Name	FIRE CONTROL SYSTEM		Rule 1 #	53	Rule 2 #		Delete Rule?	N				
Old Color	1	New Color	1							Changed Color?	N			
Parameter 1 #	14	Old Param. 1 ID	rain		New Param. 1 ID	Rain				Changed Param. 1?	N			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID					Changed Param. 2?				
Old Value 1	0		New Value 1	None							Changed Value 1?	N		
Old Value 2			New Value 2								Changed Value 2?			
Old Operator 1	>		New Opt. 1	>		Changed Opt. 1?	N		Old Opt. 2		New Opt. 2		Changed Opt. 2	
Old Condensed Impact	Precipitation		New Condensed Impact	Rain							Changed Condensed Impact?	Y		
Old Full Impact	Any occurrence of rain (wet weather) causes fire control system failures if the electronic box is not sealed.													
New Full Impact	Any occurrence of rain (wet weather) causes fire control system failures if the electronic box is not sealed.													
												Changed Full Impact?	N	
Old Source	(1st Cavalry Division, 1992);													
New Source/Reason for Delete	Rule validated by USAFAS, POC SFC Garrett, 3 Dec 1997.													
Comments														
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y					

ID #	18	Component Name	LASER R/D		Rule 1 #	36	Rule 2 #		Delete Rule?	N				
Old Color	1	New Color	1							Changed Color?	N			
Parameter 1 #	26	Old Param. 1 ID	visibility		New Param. 1 ID	Visibility				Changed Param. 1?	N			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID					Changed Param. 2?				
Old Value 1	5000		New Value 1	5000 meters							Changed Value 1?	N		
Old Value 2			New Value 2								Changed Value 2?			
Old Operator 1	<		New Opt. 1	<		Changed Opt. 1?	N		Old Opt. 2		New Opt. 2		Changed Opt. 2	
Old Condensed Impact	Reduced Visibility		New Condensed Impact	Reduced Visibility							Changed Condensed Impact?	N		
Old Full Impact	Any occurrence of visibility < 3.1 miles (5000 m) reduces the range and reflectiveness and makes lasing the target difficult.													
New Full Impact	Any occurrence of visibility < 3.1 miles (5000 m) reduces the range and reflectiveness and makes lasing the target difficult.													
												Changed Full Impact?	N	
Old Source	(1st Cavalry Division, 1992);													
New Source/Reason for Delete	"Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM. Final verification not complete.													
Comments	Research not completed. Final results will be used to verify rule.													
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		V					

IWEDA Component Rules

ID #	19	Component Name	LASER R/D	Rule 1 #	45	Rule 2 #		Delete Rule?	N
Old Color	2	New Color	2					Changed Color?	N
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility			Changed Param. 1?	N
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?	
Old Value 1	3100	New Value 1	3100 meters					Changed Value 1?	N
Old Value 2		New Value 2						Changed Value 2?	
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2	
Old Condensed Impact	Reduced Visibility		New Condensed Impact	Low Visibility				Changed Condensed Impact?	Y
Old Full Impact	Any occurrence of visibility < 1.9 miles (3100 m) greatly reduces the range and effectiveness and makes lasing the target very difficult.								
New Full Impact	Any occurrence of visibility < 1.9 miles (3100 m) greatly reduces the range and effectiveness and makes lasing the target very difficult.								
								Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);								
New Source/Reason for Delete	<input 1997,="" a="" aids:="" arl,="" complete."="" dec="" decision="" difference?\"="" dr.="" final="" is="" nm.="" not="" qualitative="" quantitative="" r.="" shirkey,="" tactical="" there="" type="text" value="\" verification="" vs.="" wsmr,=""/>								
Comments	Research not completed. Final results will be used to verify rule.								
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?		V

ID #	20	Component Name	LASER R/D	Rule 1 #	110	Rule 2 #	110	Delete Rule?	N
Old Color	1	New Color	1					Changed Color?	N
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility			Changed Param. 1?	N
Parameter 2 #	14	Old Param. 2 ID	rain	New Param. 2 ID	Rain			Changed Param. 2?	N
Old Value 1	5000	New Value 1	5000 meters					Changed Value 1?	N
Old Value 2	0	New Value 2	None					Changed Value 2?	Y
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	>	New Opt. 2	>
Old Condensed Impact	Precipitation and Reduced Visibility		New Condensed Impact	Rain and Reduced Visibility				Changed Condensed Impact?	Y
Old Full Impact	Any occurrence of rainfall and visibility < 3.1 miles (5000 m) reduces the range and effectiveness and makes lasing the target difficult.								
New Full Impact	Any occurrence of rainfall and visibility < 3.1 miles (5000 m) reduces the range and effectiveness and makes lasing the target difficult.								
								Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);								
New Source/Reason for Delete	<input 1997,="" a="" aids:="" arl,="" complete."="" dec="" decision="" difference?\"="" dr.="" final="" is="" nm.="" not="" qualitative="" quantitative="" r.="" shirkey,="" tactical="" there="" type="text" value="\" verification="" vs.="" wsmr,=""/>								
Comments	Research not completed. Final results will be used to verify rule.								
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?		V

IWEDA Component Rules

ID #	21	Component Name	LASER R/D	Rule 1 #	111	Rule 2 #	111	Delete Rule?	N		
Old Color	1	New Color	1				Changed Color?	N			
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility	Changed Param. 1?		N			
Parameter 2 #	12	Old Param. 2 ID	snow	New Param. 2 ID	Snow	Changed Param. 2?		N			
Old Value 1	5000	New Value 1	5000 meters	Changed Value 1?		N					
Old Value 2	0	New Value 2	None	Changed Value 2?		Y					
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	>	New Opt. 2	>	Changed Opt. 2	N
Old Condensed Impact	Snow and Reduced Visibility			New Condensed Impact	Snow and Reduced Visibility			Changed Condensed Impact?	N		
Old Full Impact	Any occurrence of snowfall and visibility < 3.1 miles (5000 m) reduces the range and effectiveness and makes lasing the target difficult.										
New Full Impact	Any occurrence of snowfall and visibility < 3.1 miles (5000 m) reduces the range and effectiveness and makes lasing the target difficult.										
									Changed Full Impact?	N	
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	<input 1997,="" a="" aids:="" arl,="" complete."="" dec="" decision="" difference?\"="" dr.="" final="" is="" nm.="" not="" qualitative="" quantitative="" r.="" shirkey,="" tactical="" there="" type="text" value="\" verification="" vs.="" wsmr,=""/>										
Comments	Research not completed. Final results will be used to verify rule.										
Changed Source?	Y	Are There Any (2) Options?			Y	Any Change to Record?			V		

ID #	22	Component Name	LASER R/D	Rule 1 #	113	Rule 2 #	113	Delete Rule?	N		
Old Color	1	New Color	1				Changed Color?	N			
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility	Changed Param. 1?		N			
Parameter 2 #	9	Old Param. 2 ID	fog	New Param. 2 ID	Fog	Changed Param. 2?		N			
Old Value 1	5000	New Value 1	5000 meters	Changed Value 1?		N					
Old Value 2	1	New Value 2	None	Changed Value 2?		Y					
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	<input "="" type="text" value="="/>	New Opt. 2	>	Changed Opt. 2	Y
Old Condensed Impact	Fog and Reduced Visibility			New Condensed Impact	Fog and Reduced Visibility			Changed Condensed Impact?	N		
Old Full Impact	Any occurrence of fog and visibility < 3.1 miles (5000 m) reduces the target and background contrast making target acquisition difficult.										
New Full Impact	Any occurrence of fog and visibility < 3.1 miles (5000 m) reduces the target and background contrast making target acquisition difficult.										
									Changed Full Impact?	N	
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	<input 1997,="" a="" aids:="" arl,="" complete."="" dec="" decision="" difference?\"="" dr.="" final="" is="" nm.="" not="" qualitative="" quantitative="" r.="" shirkey,="" tactical="" there="" type="text" value="\" verification="" vs.="" wsmr,=""/>										
Comments	Research not completed. Final results will be used to verify rule.										
Changed Source?	Y	Are There Any (2) Options?			Y	Any Change to Record?			V		

IWEDA Component Rules

ID #	23	Component Name	LASER R/D	Rule 1 #	114	Rule 2 #	114	Delete Rule?	N	
Old Color	1	New Color	1					Changed Color?	N	
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility			Changed Param. 1?	N	
Parameter 2 #	7	Old Param. 2 ID	drizzle	New Param. 2 ID	Drizzle			Changed Param. 2?	N	
Old Value 1	5000	New Value 1	5000 meters					Changed Value 1?	N	
Old Value 2	1	New Value 2	Light					Changed Value 2?	Y	
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	>	New Opt. 2	>	
				Changed Opt. 2?	N					
Old Condensed Impact	Drizzle and Reduced Visibility			New Condensed Impact	Drizzle and Reduced Visibility			Changed Condensed Impact?	N	
Old Full Impact	Drizzle > light intensity and visibility < 3.1 miles (5000 m) reduces the ranging capability and effectiveness and makes lasing the target difficult.									
New Full Impact	Drizzle > light intensity and visibility < 3.1 miles (5000 m) reduces the ranging capability and effectiveness and makes lasing the target difficult.									
								Changed Full Impact?	N	
Old Source	(1st Cavalry Division, 1992);									
New Source/ Reason for Delete	"Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM. Final verification not complete.									
Comments	Research not completed. Final results will be used to verify rule.									
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?			V

ID #	24	Component Name	LASER R/D	Rule 1 #	119	Rule 2 #	119	Delete Rule?	N	
Old Color	2	New Color	2					Changed Color?	N	
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility			Changed Param. 1?	N	
Parameter 2 #	9	Old Param. 2 ID	fog	New Param. 2 ID	Fog			Changed Param. 2?	N	
Old Value 1	3100	New Value 1	3100 meters					Changed Value 1?	N	
Old Value 2	1	New Value 2	None					Changed Value 2?	Y	
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	=	New Opt. 2	>	
				Changed Opt. 2?	Y					
Old Condensed Impact	Fog and Reduced Visibility			New Condensed Impact	Fog and Low Visibility			Changed Condensed Impact?	Y	
Old Full Impact	Any occurrence of fog and visibility < 1.9 miles (3100 m) greatly reduces the range and effectiveness and makes lasing the target very difficult.									
New Full Impact	Any occurrence of fog and visibility < 1.9 miles (3100 m) greatly reduces the range and effectiveness and makes lasing the target very difficult.									
								Changed Full Impact?	N	
Old Source	(1st Cavalry Division, 1992);									
New Source/ Reason for Delete	"Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM. Final verification not complete.									
Comments	Research not completed. Final results will be used to verify rule.									
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?			V

IWEDA Component Rules

ID #	25	Component Name	LASER R/D	Rule 1 #	120	Rule 2 #	120	Delete Rule?	N	
Old Color	2	New Color	2					Changed Color?	N	
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility			Changed Param. 1?	N	
Parameter 2 #	17	Old Param. 2 ID	snow	New Param. 2 ID	Snow			Changed Param. 2?	N	
Old Value 1	3100	New Value 1	3100 meters					Changed Value 1?	N	
Old Value 2	1	New Value 2	Light					Changed Value 2?	Y	
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	>	New Opt. 2	>	
				Changed Opt. 2?	N					
Old Condensed Impact	Snow and Reduced Visibility		New Condensed Impact	Snow and Low Visibility		Changed Condensed Impact?			Y	
Old Full Impact	Snow > light intensity and visibility < 1.9 miles (3100 m) greatly reduces the range and effectiveness and makes lasing the target very difficult.									
New Full Impact	Snow > light intensity and visibility < 1.9 miles (3100 m) greatly reduces the range and effectiveness and makes lasing the target very difficult.									
									Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);									
New Source/Reason for Delete	'Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?' Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM. Final verification not complete.									
Comments	Research not completed. Final results will be used to verify rule.									
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?			V

ID #	26	Component Name	LASER R/D	Rule 1 #	122	Rule 2 #	122	Delete Rule?	N	
Old Color	2	New Color	2					Changed Color?	N	
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility			Changed Param. 1?	N	
Parameter 2 #	14	Old Param. 2 ID	rain	New Param. 2 ID	Rain			Changed Param. 2?	N	
Old Value 1	3100	New Value 1	3100 meters					Changed Value 1?	N	
Old Value 2	2	New Value 2	Moderate					Changed Value 2?	Y	
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	>	New Opt. 2	>	
				Changed Opt. 2?	N					
Old Condensed Impact	Precipitation and Reduced Visibility		New Condensed Impact	Heavy Rain and Low Visibility		Changed Condensed Impact?			Y	
Old Full Impact	Rain > moderate intensity and visibility < 1.9 miles (3100 m) greatly reduces the range and effectiveness and makes lasing the target very difficult.									
New Full Impact	Rain > moderate intensity and visibility < 1.9 miles (3100 m) greatly reduces the range and effectiveness and makes lasing the target very difficult.									
									Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);									
New Source/Reason for Delete	'Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?' Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM. Final verification not complete.									
Comments	Research not completed. Final results will be used to verify rule.									
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?			V

IWEDA Component Rules

ID #	27	Component Name	LASER R/D	Rule 1 #	123	Rule 2 #	123	Delete Rule?	N	
Old Color	2	New Color	2					Changed Color?	N	
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility			Changed Param. 1?	N	
Parameter 2 #	7	Old Param. 2 ID	drizzle	New Param. 2 ID	Drizzle			Changed Param. 2?	N	
Old Value 1	3100	New Value 1	3100 meters					Changed Value 1?	N	
Old Value 2	1	New Value 2	Light					Changed Value 2?	Y	
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	>	New Opt. 2	>	
				Changed Opt. 2?	N					
Old Condensed Impact	Drizzle and Reduced Visibility		New Condensed Impact	Drizzle and Low Visibility				Changed Condensed Impact?	Y	
Old Full Impact	Drizzle > light intensity and visibility < 1.9 miles (3100 m) greatly reduces the range and effectiveness and makes lasing the target very difficult. Tend to get multi returns.									
New Full Impact	Drizzle > light intensity and visibility < 1.9 miles (3100 m) greatly reduces the range and effectiveness and makes lasing the target very difficult. Tend to get multi returns.									
									Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);									
New Source/Reason for Delete	<input 1997,="" a="" aids:="" arl,="" complete."="" dec="" decision="" difference?\"="" dr.="" final="" is="" nm.="" not="" qualitative="" quantitative="" r.="" shirkey,="" tactical="" there="" type="text" value="\" verification="" vs.="" wsmr,=""/>									
Comments	Research not completed. Final results will be used to verify rule.									
Changed Source?	N	Are There Any (2) Options?				Y	Any Change to Record?		V	

ID #	28	Component Name	MLRS WET CELL BATTERIES	Rule 1 #	13	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1					Changed Color?	N	
Parameter 1 #	22	Old Param. 1 ID	temperature	New Param. 1 ID	Temperature			Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?		
Old Value 1	32	New Value 1	32 F					Changed Value 1?	N	
Old Value 2		New Value 2						Changed Value 2?		
Old Operator 1	<input "="" type="text" value="<="/>	New Opt. 1	<input "="" type="text" value="<="/>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		
				Changed Opt. 2?						
Old Condensed Impact	Cold		New Condensed Impact	Cold				Changed Condensed Impact?	N	
Old Full Impact	Temperatures <= 32 F make it difficult for batterires to charge and therefore causes the launcher to support fewer launches.									
New Full Impact	Temperatures <= 32 F make it difficult for batterires to charge and therefore causes the launcher to support fewer launches.									
									Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);									
New Source/Reason for Delete	TM 9-6140-200-14, Para 4-8, Jul 1989									
Comments										
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?		Y	

IWEDA Component Rules

ID #	29	Component Name	MLRS WET CELL BATTERIES	Rule 1 #	22	Rule 2 #		Delete Rule?	N
Old Color	1	New Color	1					Changed Color?	N
Parameter 1 #	22	Old Param. 1 ID	temperature	New Param. 1 ID	Temperature			Changed Param. 1?	N
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?	
Old Value 1	90	New Value 1	100 F					Changed Value 1?	Y
Old Value 2		New Value 2						Changed Value 2?	
Old Operator 1	>=	New Opt. 1	>=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2	
Old Condensed Impact	Hot	New Condensed Impact	Very Hot					Changed Condensed Impact?	Y
Old Full Impact	Temperatures >= 90 F cause battery failures that impact on the Loader Launcher Module and therefore the MLRS can support fewer launches.								
New Full Impact	Temperatures >= 100 F cause battery failures that impact on loader launcher module causing fewer MLRS launches.								
								Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);								
New Source/Reason for Delete	TM 9-6140-200-14, Para 4-8, Jul 1989								
Comments									
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?		Y

ID #	30	Component Name	MOPP IV OPERATIONS	Rule 1 #	52	Rule 2 #		Delete Rule?	N
Old Color	1	New Color	1					Changed Color?	N
Parameter 1 #	14	Old Param. 1 ID	rain	New Param. 1 ID	Rain			Changed Param. 1?	N
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?	
Old Value 1	1	New Value 1	Light					Changed Value 1?	Y
Old Value 2		New Value 2						Changed Value 2?	
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2	
Old Condensed Impact	Precipitation	New Condensed Impact	Rain					Changed Condensed Impact?	Y
Old Full Impact	Protective clothing loses effectiveness. Precipitation creates moist conditions which can clog protective mask filters/canisters. Decon Kit powder may wash off treated skin.								
New Full Impact	Protective clothing loses effectiveness. Precipitation creates moist conditions which can clog protective mask filters/canisters.								
								Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);								
New Source/Reason for Delete	FM 3-7, Table 3-2, page 3-3, Sep 1994								
Comments									
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?		Y

IWEDA Component Rules

ID #	31	Component Name	MOPP IV OPERATIONS		Rule 1 #	54	Rule 2 #		Delete Rule?	N		
Old Color	2	New Color	2		Changed Color?					N		
Parameter 1 #	14	Old Param. 1 ID	rain	New Param. 1 ID	Rain	Changed Param. 1?					N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID		Changed Param. 2?						
Old Value 1	2	New Value 1	Moderate		Changed Value 1?					Y		
Old Value 2		New Value 2			Changed Value 2?							
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2		
Old Condensed Impact	Precipitation		New Condensed Impact	Heavy Rain		Changed Condensed Impact?					Y	
Old Full Impact	Protective clothing is ineffective when wet. Moisture clogs protective mask filters/canisters. Decon Kit powder may wash off treated skin.											
New Full Impact	Protective clothing is ineffective when wet. Moisture clogs protective mask filters/canisters											
											Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);											
New Source/Reason for Delete	FM 3-7, Page 3-2, 3-3, Sep 1994											
Comments												
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?					Y

ID #	32	Component Name	MOPP IV OPERATIONS		Rule 1 #	145	Rule 2 #	145	Delete Rule?	N		
Old Color	1	New Color	1		Changed Color?					N		
Parameter 1 #	22	Old Param. 1 ID	temperature	New Param. 1 ID	Temperature	Changed Param. 1?					N	
Parameter 2 #	15	Old Param. 2 ID	relativehumidity	New Param. 2 ID	Delete Relative Humidity	Changed Param. 2?					Y	
Old Value 1	70	New Value 1	81 F		Changed Value 1?					Y		
Old Value 2	50	New Value 2	Delete		Changed Value 2?					Y		
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2	>	New Opt. 2	Delete	Changed Opt. 2	Y	
Old Condensed Impact	Temperature and Relative Humidity		New Condensed Impact	Temperature		Changed Condensed Impact?					Y	
Old Full Impact	Combination of temperatures > 70 F and relative humidity > 50% while operating under MOPP IV conditions degrades soldier effectiveness and limits activities which can be performed.											
New Full Impact	Temperatures > 81 F, while operating under MOPP IV, conditions degrade soldier effectiveness and limit activities which can be performed.											
											Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);											
New Source/Reason for Delete	FM 3-7, Table 3-6, Sep 1994											
Comments	Reference to Relative Humidity deleted since the use of temperature alone is more representative.											
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?					Y

IWEDA Component Rules

ID #	33	Component Name	MOPP IV OPERATIONS	Rule 1 #	146	Rule 2 #	146	Delete Rule?	N	
Old Color	2	New Color	2					Changed Color?	N	
Parameter 1 #	22	Old Param. 1 ID	temperature	New Param. 1 ID	Temperature			Changed Param. 1?	N	
Parameter 2 #	15	Old Param. 2 ID	relativehumidity	New Param. 2 ID	Delete Relative Humidity			Changed Param. 2?	N	
Old Value 1	85	New Value 1	88 F					Changed Value 1?	Y	
Old Value 2	70	New Value 2	Delete					Changed Value 2?	Y	
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2	>	New Opt. 2	Delete	
						Changed Opt. 2?	Y			
Old Condensed Impact	Temperature and Relative Humidity			New Condensed Impact	Hot			Changed Condensed Impact?	Y	
Old Full Impact	Combination of temperatures > 85 F and relative humidity > 70% while operating under MOPP IV conditions severely degrades soldier effectiveness and limits activities which can be performed.									
New Full Impact	Temperatures > 88 F, while operating under MOPP IV, conditions eliminate feasible work/rest cycles.									
									Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);									
New Source/Reason for Delete	FM 3-7, Table 3-6, Sep 1994									
Comments	Reference to Relative Humidity deleted since the use of temperature alone is more representative.									
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?			Y

ID #	34	Component Name	NI CAD BATTERY	Rule 1 #	24	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1					Changed Color?	N	
Parameter 1 #	22	Old Param. 1 ID	temperature	New Param. 1 ID	Temperature			Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?		
Old Value 1	100	New Value 1	100 F					Changed Value 1?	N	
Old Value 2		New Value 2						Changed Value 2?		
Old Operator 1	>=	New Opt. 1	>=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		
						Changed Opt. 2?				
Old Condensed Impact	Hot			New Condensed Impact	Very Hot			Changed Condensed Impact?	Y	
Old Full Impact	Temperatures >= 100 F have a tendency to overheat the battery.									
New Full Impact	Temperatures >= 100 F reduce efficiency and effectiveness of battery.									
									Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);									
New Source/Reason for Delete	TM 11-6140-203-14-1, Para 2-7b, Figure 2-5, Oct 1980									
Comments										
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?			Y

IWEDA Component Rules

ID #	35	Component Name	NIGHT VISION GOGGLES	Rule 1 #	147	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2					Changed Color?	N	
Parameter 1 #	28	Old Param. 1 ID	illumination	New Param. 1 ID	illumination			Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?		
Old Value 1	2	New Value 1	2.5 millilux					Changed Value 1?	Y	
Old Value 2		New Value 2						Changed Value 2?		
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		
Old Condensed Impact	Reduced Illumination		New Condensed Impact	Reduced Illumination				Changed Condensed Impact?	N	
Old Full Impact	Ambient illumination values < 2.5 millilux are unfavorable for certain NVG operations, e.g., navigation.									
New Full Impact	Ambient illumination values < 2.5 millilux are unfavorable for certain NVG operations, e.g., navigation.									
									Changed Full Impact?	N
Old Source	(Army Research Lab, 1997);									
New Source/ Reason for Delete	Value determined by Dave Sauter, Army Research Lab, 1997									
Comments										
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?			Y

ID #	36	Component Name	NIGHT VISION GOGGLES	Rule 1 #	148	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1					Changed Color?	N	
Parameter 1 #	28	Old Param. 1 ID	illumination	New Param. 1 ID	illumination			Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?		
Old Value 1	3	New Value 1	3.5 millilux					Changed Value 1?	Y	
Old Value 2		New Value 2						Changed Value 2?		
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		
Old Condensed Impact	Reduced Illumination		New Condensed Impact	Reduced Illumination				Changed Condensed Impact?	N	
Old Full Impact	Ambient illumination values < 3.5 millilux are marginal for certain NVG operations, e.g, navigation.									
New Full Impact	Ambient illumination values < 3.5 millilux are marginal for certain NVG operations, e.g, navigation.									
									Changed Full Impact?	N
Old Source	(Army Research Lab, 1997);									
New Source/ Reason for Delete	Value determined by Dave Sauter, Army Research Lab, 1997									
Comments										
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?			Y

IWEDA Component Rules

ID #	37	Component Name	NIGHT VISION SIGHT	Rule 1 #	21	Rule 2 #		Delete Rule?	Y	
Old Color	2	New Color		Changed Color?						
Parameter 1 #	22	Old Param. 1 ID	temperature	New Param. 1 ID				Changed Param. 1?		
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?		
Old Value 1	125	New Value 1				Changed Value 1?				
Old Value 2		New Value 2				Changed Value 2?				
Old Operator 1	>=	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2		
Old Condensed Impact	Hot		New Condensed Impact				Changed Condensed Impact?			
Old Full Impact	Temperatures >= 125 F exceed the operating limits of the system.									
New Full Impact										
									Changed Full Impact?	
Old Source	(1st Cavalry Division, 1992);									
New Source/ Reason for Delete	Delete Rule: Could not validate and may be too system specific for general class of all night vision sight.									
Comments										
Changed Source?	Y	Are There Any (2) Options?			N	Any Change to Record?			Y	

ID #	38	Component Name	NIGHT VISION SIGHT	Rule 1 #	147	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2	Changed Color?						N
Parameter 1 #	28	Old Param. 1 ID	illumination	New Param. 1 ID	illumination			Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?		
Old Value 1	2	New Value 1	2.5 millilux			Changed Value 1?			Y	
Old Value 2		New Value 2				Changed Value 2?				
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		
Old Condensed Impact	Reduced Illumination		New Condensed Impact	Reduced Illumination			Changed Condensed Impact?		N	
Old Full Impact	Ambient illumination values < 2.5 millilux are unfavorable for effective night vision sight use.									
New Full Impact	Ambient illumination values < 2.5 millilux are unfavorable for effective night vision sight use.									
									Changed Full Impact?	N
Old Source	(Army Research Lab, 1997);									
New Source/ Reason for Delete	Value determined by Dave Sauter, Army Research Lab, 1997									
Comments										
Changed Source?	Y	Are There Any (2) Options?			N	Any Change to Record?			Y	

IWEDA Component Rules

ID #	39	Component Name	NIGHT VISION SIGHT	Rule 1 #	148	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1					Changed Color?	N	
Parameter 1 #	28	Old Param. 1 ID	illumination	New Param. 1 ID	illumination			Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?		
Old Value 1	3	New Value 1	3.5 millilux					Changed Value 1?	Y	
Old Value 2		New Value 2						Changed Value 2?		
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		
Old Condensed Impact	Reduced Illumination			New Condensed Impact	Reduced Illumination			Changed Condensed Impact?	N	
Old Full Impact	Ambient illumination values < 3.5 millilux are marginal for effective night vision sight use.									
New Full Impact	Ambient illumination values < 3.5 millilux are marginal for effective night vision sight use.									
								Changed Full Impact?	N	
Old Source	(Army Research Lab, 1997);									
New Source/Reason for Delete	Value determined by Dave Sauter, Army Research Lab, 1997									
Comments										
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?			Y

ID #	40	Component Name	OA-9054 ANTENNA	Rule 1 #	69	Rule 2 #		Delete Rule?	Y	
Old Color	1	New Color						Changed Color?		
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed	New Param. 1 ID				Changed Param. 1?		
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?		
Old Value 1	35	New Value 1						Changed Value 1?		
Old Value 2		New Value 2						Changed Value 2?		
Old Operator 1	>=	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2		
Old Condensed Impact	Surface Wind			New Condensed Impact				Changed Condensed Impact?		
Old Full Impact	Surface wind >= 35 knots may cause damage to masts if fully extended.									
New Full Impact										
								Changed Full Impact?		
Old Source	(1st Cavalry Division, 1992);									
New Source/Reason for Delete	Delete Rule: Could not find any reference material.									
Comments										
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?			Y

IWEDA Component Rules

ID #	41	Component Name	OA-9054 ANTENNA	Rule 1 #	71	Rule 2 #		Delete Rule?	Y	
Old Color	2	New Color						Changed Color?		
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed	New Param. 1 ID				Changed Param. 1?		
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?		
Old Value 1	50	New Value 1						Changed Value 1?		
Old Value 2		New Value 2						Changed Value 2?		
Old Operator 1	>=	New Opt. 1		Changed Opt. 1?		Old Opt. 2		New Opt. 2		
Old Condensed Impact	Surface Wind		New Condensed Impact				Changed Condensed Impact?			
Old Full Impact	Surface wind >= 50 knots will cause damage to masts if fully extended.									
New Full Impact										
Old Source	(1st Cavalry Division, 1992);									
New Source/Reason for Delete	Delete Rule: Could not find any reference material.									
Comments										
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?			Y

ID #	42	Component Name	OPTICAL SIGHT	Rule 1 #	109	Rule 2 #	109	Delete Rule?	N	
Old Color	1	New Color	1					Changed Color?	N	
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility			Changed Param. 1?	N	
Parameter 2 #	7	Old Param. 2 ID	drizzle	New Param. 2 ID	Drizzle			Changed Param. 2?	N	
Old Value 1	5000	New Value 1	5000 meters					Changed Value 1?	N	
Old Value 2	0	New Value 2	None					Changed Value 2?	Y	
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	>	New Opt. 2	>	
Old Condensed Impact	Drizzle and Reduced Visibility		New Condensed Impact		Drizzle and Reduced Visibility		Changed Condensed Impact?		N	
Old Full Impact	Any occurrence of drizzle and visibility < 3.1 miles (5000 m) reduces the contrast between the target and the background and makes target acquisition difficult.									
New Full Impact	Any occurrence of drizzle and visibility < 3.1 miles (5000 m) reduces the contrast between the target and the background and makes target acquisition difficult.									
Old Source	(1st Cavalry Division, 1992);									
New Source/Reason for Delete	"Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM.									
Comments										
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?			Y

IWEDA Component Rules

ID #	43	Component Name	OPTICAL SIGHT	Rule 1 #	110	Rule 2 #	110	Delete Rule?	N		
Old Color	1	New Color	1					Changed Color?	N		
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility			Changed Param. 1?	N		
Parameter 2 #	14	Old Param. 2 ID	rain	New Param. 2 ID	Rain			Changed Param. 2?	N		
Old Value 1	5000	New Value 1	5000 meters					Changed Value 1?	N		
Old Value 2	0	New Value 2	None					Changed Value 2?	Y		
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	>	New Opt. 2	>	Changed Opt. 2	N
Old Condensed Impact	Precipitation and Reduced Visibility			New Condensed Impact	Rain and Reduced Visibility			Changed Condensed Impact?		Y	
Old Full Impact	Any occurrence of rain and visibility < 3.1 miles (5000 m) reduces the contrast between the target and the background and makes target acquisition difficult.										
New Full Impact	Any occurrence of rain and visibility < 3.1 miles (5000 m) reduces the contrast between the target and the background and makes target acquisition difficult.										
										Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	"Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM.										
Comments											
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?				Y

ID #	44	Component Name	OPTICAL SIGHT	Rule 1 #	111	Rule 2 #	111	Delete Rule?	N		
Old Color	1	New Color	1					Changed Color?	N		
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility			Changed Param. 1?	N		
Parameter 2 #	17	Old Param. 2 ID	snow	New Param. 2 ID	Snow			Changed Param. 2?	N		
Old Value 1	5000	New Value 1	5000 meters					Changed Value 1?	N		
Old Value 2	0	New Value 2	None					Changed Value 2?	Y		
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	>	New Opt. 2	>	Changed Opt. 2	N
Old Condensed Impact	Snow and Reduced Visibility			New Condensed Impact	Snow and Reduced Visibility			Changed Condensed Impact?		N	
Old Full Impact	Any occurrence of snow and visibility < 3.1 miles (5000 m) reduces the contrast between the target and the background and makes target acquisition difficult.										
New Full Impact	Any occurrence of snow and visibility < 3.1 miles (5000 m) reduces the contrast between the target and the background and makes target acquisition difficult.										
										Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	"Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM.										
Comments											
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?				Y

IWEDA Component Rules

ID #	45	Component Name	OPTICAL SIGHT	Rule 1 #	112	Rule 2 #	112	Delete Rule?	N			
Old Color	1	New Color	1					Changed Color?	N			
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility			Changed Param. 1?	N			
Parameter 2 #	1	Old Param. 2 ID	blowingsand	New Param. 2 ID	Blowing Sand			Changed Param. 2?	N			
Old Value 1	5000	New Value 1	5000 meters					Changed Value 1?	N			
Old Value 2	1	New Value 2	None					Changed Value 2?	Y			
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	=	New Opt. 2	>	Changed Opt. 2?	Y	
Old Condensed Impact	Blowing Sand and Reduced Visibility			New Condensed Impact	Blowing Sand and Reduced Visibility			Changed Condensed Impact?	N			
Old Full Impact	Any occurrence of blowing sand and visibility < 3.1 miles (5000 m) reduces the contrast between the target and the background and makes target acquisition difficult.											
New Full Impact	Any occurrence of blowing sand and visibility < 3.1 miles (5000 m) reduces the contrast between the target and the background and makes target acquisition difficult.											
											Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);											
New Source/Reason for Delete	"Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM.											
Comments												
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?				Y	

ID #	46	Component Name	OPTICAL SIGHT	Rule 1 #	113	Rule 2 #	113	Delete Rule?	N			
Old Color	1	New Color	1					Changed Color?	N			
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility			Changed Param. 1?	N			
Parameter 2 #	9	Old Param. 2 ID	fog	New Param. 2 ID	Fog			Changed Param. 2?	N			
Old Value 1	5000	New Value 1	5000 meters					Changed Value 1?	N			
Old Value 2	1	New Value 2	None					Changed Value 2?	Y			
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	=	New Opt. 2	>	Changed Opt. 2?	Y	
Old Condensed Impact	Fog and Reduced Visibility			New Condensed Impact	Fog and Reduced Visibility			Changed Condensed Impact?	N			
Old Full Impact	Any occurrence of fog and visibility < 3.1 miles (5000 m) reduces the contrast between the target and the background and makes target acquisition difficult.											
New Full Impact	Any occurrence of fog and visibility < 3.1 miles (5000 m) reduces the contrast between the target and the background and makes target acquisition difficult.											
											Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);											
New Source/Reason for Delete	"Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM.											
Comments												
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?				Y	

IWEDA Component Rules

ID #	47	Component Name	OPTICAL SIGHT	Rule 1 #	115	Rule 2 #	115	Delete Rule?	N			
Old Color	2	New Color	2					Changed Color?	N			
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility			Changed Param. 1?	N			
Parameter 2 #	7	Old Param. 2 ID	drizzle	New Param. 2 ID	Drizzle			Changed Param. 2?	N			
Old Value 1	3100	New Value 1	3100 meters					Changed Value 1?	N			
Old Value 2	0	New Value 2	None					Changed Value 2?	Y			
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	>	New Opt. 2	>	Changed Opt. 2?	N	
Old Condensed Impact	Drizzle and Reduced Visibility			New Condensed Impact	Drizzle and Low Visibility			Changed Condensed Impact?			Y	
Old Full Impact	Any occurrence of drizzle and visibility < 1.9 miles (3100 m) reduces the target and background contrast making target acquisition very difficult and is near the minimum useable range.											
New Full Impact	Any occurrence of drizzle and visibility < 1.9 miles (3100 m) reduces the target and background contrast making target acquisition very difficult and is near the minimum useable range.											
											Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);											
New Source/Reason for Delete	"Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM.											
Comments												
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?				Y	

ID #	48	Component Name	OPTICAL SIGHT	Rule 1 #	116	Rule 2 #	116	Delete Rule?	N			
Old Color	2	New Color	2					Changed Color?	N			
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility			Changed Param. 1?	N			
Parameter 2 #	14	Old Param. 2 ID	rain	New Param. 2 ID	Rain			Changed Param. 2?	N			
Old Value 1	3100	New Value 1	3100 meters					Changed Value 1?	N			
Old Value 2	0	New Value 2	None					Changed Value 2?	Y			
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	>	New Opt. 2	>	Changed Opt. 2?	N	
Old Condensed Impact	Precipitation and Reduced Visibility			New Condensed Impact	Rain and Low Visibility			Changed Condensed Impact?			Y	
Old Full Impact	Any occurrence of rain and visibility < 1.9 miles (3100 m) reduces the target and background contrast making target acquisition very difficult and is near the minimum useable range.											
New Full Impact	Any occurrence of rain and visibility < 1.9 miles (3100 m) reduces the target and background contrast making target acquisition very difficult and is near the minimum useable range.											
											Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);											
New Source/Reason for Delete	"Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM.											
Comments												
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?				Y	

IWEDA Component Rules

ID #	49	Component Name	OPTICAL SIGHT	Rule 1 #	117	Rule 2 #	117	Delete Rule?	N	
Old Color	2	New Color	2					Changed Color?	N	
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility			Changed Param. 1?	N	
Parameter 2 #	17	Old Param. 2 ID	snow	New Param. 2 ID	Snow			Changed Param. 2?	N	
Old Value 1	3100	New Value 1	3100 meters			Changed Value 1?	N			
Old Value 2	0	New Value 2	None			Changed Value 2?	Y			
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	>	New Opt. 2	>	
				Changed Opt. 2?	N					
Old Condensed Impact	Snow and Reduced Visibility			New Condensed Impact	Snow and Low Visibility			Changed Condensed Impact?	Y	
Old Full Impact	Any occurrence of snow and visibility < 1.9 miles (3100 m) reduces the target and background contrast making target acquisition very difficult and is near the minimum useable range.									
New Full Impact	Any occurrence of snow and visibility < 1.9 miles (3100 m) reduces the target and background contrast making target acquisition very difficult and is near the minimum useable range.									
									Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);									
New Source/Reason for Delete	"Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM.									
Comments										
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?			Y

ID #	50	Component Name	OPTICAL SIGHT	Rule 1 #	118	Rule 2 #	118	Delete Rule?	N	
Old Color	2	New Color	2					Changed Color?	N	
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility			Changed Param. 1?	N	
Parameter 2 #	1	Old Param. 2 ID	blowingsand	New Param. 2 ID	Blowing Sand			Changed Param. 2?	N	
Old Value 1	3100	New Value 1	3100 meters			Changed Value 1?	N			
Old Value 2	1	New Value 2	None			Changed Value 2?	Y			
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	=	New Opt. 2	>	
				Changed Opt. 2?	Y					
Old Condensed Impact	Blowing Sand and Reduced Visibility			New Condensed Impact	Blowing Sand and Low Visibility			Changed Condensed Impact?	Y	
Old Full Impact	Any occurrence of blowing sand and visibility < 1.9 miles (3100 m) reduces the target and background contrast making target acquisition very difficult and is near the minimum useable range..									
New Full Impact	Any occurrence of blowing sand and visibility < 1.9 miles (3100 m) reduces the target and background contrast making target acquisition very difficult and is near the minimum useable range..									
									Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);									
New Source/Reason for Delete	"Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM.									
Comments										
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?			Y

IWEDA Component Rules

ID #	51	Component Name	OPTICAL SIGHT	Rule 1 #	119	Rule 2 #	119	Delete Rule?	N		
Old Color	2	New Color	2					Changed Color?	N		
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility			Changed Param. 1?	N		
Parameter 2 #	9	Old Param. 2 ID	fog	New Param. 2 ID	Fog			Changed Param. 2?	N		
Old Value 1	3100	New Value 1	3100 meters					Changed Value 1?	N		
Old Value 2	1	New Value 2	None					Changed Value 2?	Y		
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	=	New Opt. 2	>	Changed Opt. 2?	Y
Old Condensed Impact	Fog and Reduced Visibility			New Condensed Impact	Fog and Low Visibility			Changed Condensed Impact?		Y	
Old Full Impact	Any occurrence of fog and visibility < 1.9 miles (3100 m) reduces the target and background contrast making target acquisition very difficult and is near the minimum useable range.										
New Full Impact	Any occurrence of fog and visibility < 1.9 miles (3100 m) reduces the target and background contrast making target acquisition very difficult and is near the minimum useable range.										
										Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	"Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM.										
Comments											
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?				Y

ID #	52	Component Name	STINGER-COMMON	Rule 1 #	36	Rule 2 #		Delete Rule?	N		
Old Color	1	New Color	1					Changed Color?	N		
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility			Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?			
Old Value 1	5000	New Value 1	4000 meters					Changed Value 1?	Y		
Old Value 2		New Value 2						Changed Value 2?			
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2?	
Old Condensed Impact	Reduced Visibility			New Condensed Impact	Low Visibility			Changed Condensed Impact?		Y	
Old Full Impact	Visibility < 3.1 miles (5000 m) reduces the operating capability.										
New Full Impact	Visibility < 2.5 miles (4000 m) reduces the effective operating capability										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	FM 44-43, Page 1-3, Oct 95										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA Component Rules

ID #	53	Component Name	THERMAL SIGHT	Rule 1 #	21	Rule 2 #		Delete Rule?	N
Old Color	1	New Color	1					Changed Color?	N
Parameter 1 #	22	Old Param. 1 ID	temperature	New Param. 1 ID	Temperature			Changed Param. 1?	N
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?	
Old Value 1	125	New Value 1	125 F					Changed Value 1?	N
Old Value 2		New Value 2						Changed Value 2?	
Old Operator 1	<input "="" type="text" value=">="/>	New Opt. 1	<input "="" type="text" value=">="/>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2	
Old Condensed Impact	Hot		New Condensed Impact	Extreme Heat				Changed Condensed Impact?	Y
Old Full Impact	Temperatures >= 125 F cause thermal bending to impact the thermal sight which degrades the ability to detect/identify targets.								
New Full Impact	Temperatures >= 125 F cause thermal bending to impact the thermal sight which degrades the ability to detect/identify targets.								
								Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);								
New Source/ Reason for Delete	FM 34-81-1, Appendix F-5, Dec 1992								
Comments									
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?		Y

ID #	54	Component Name	THERMAL SIGHT	Rule 1 #	41	Rule 2 #		Delete Rule?	N
Old Color	1	New Color	1					Changed Color?	N
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility			Changed Param. 1?	N
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?	
Old Value 1	3000	New Value 1	3000 meters					Changed Value 1?	N
Old Value 2		New Value 2						Changed Value 2?	
Old Operator 1	<input "="" type="text" value="<="/>	New Opt. 1	<input "="" type="text" value="<="/>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2	
Old Condensed Impact	Reduced Visibility		New Condensed Impact	Low Visibility				Changed Condensed Impact?	Y
Old Full Impact	Visibility <= 1.8 miles (3000 m) makes it difficult for the thermal sight to identify targets.								
New Full Impact	Visibility <= 1.8 miles (3000 m) makes it difficult for the thermal sight to identify targets.								
								Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);								
New Source/ Reason for Delete	<input 1997,="" arl,="" dec="" dr.="" nm."="" r.="" shirkey,="" type="text" value="Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" wsmr,=""/>								
Comments									
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?		Y

IWEDA Component Rules

ID #	55	Component Name	THERMAL SIGHT		Rule 1 #	42	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	1							Changed Color?	Y
Parameter 1 #	26	Old Param. 1 ID	visibility		New Param. 1 ID	Visibility		Changed Param. 1?		N	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	2000		New Value 1	2000 meters				Changed Value 1?		N	
Old Value 2			New Value 2					Changed Value 2?			
Old Operator 1	<=	New Opt. 1	<=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2	
Old Condensed Impact	Reduced Visibility		New Condensed Impact	Low Visibility				Changed Condensed Impact?		Y	
Old Full Impact	Visibility <= 1.2 miles (2000 m) makes it very difficult for the thermal sight to identify targets.										
New Full Impact	Visibility <= 1.2 miles (2000 m) makes it very difficult for the thermal sight to identify targets.										
										Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	"Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM.										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

ID #	56	Component Name	THERMAL SIGHT		Rule 1 #	46	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1							Changed Color?	N
Parameter 1 #	26	Old Param. 1 ID	visibility		New Param. 1 ID	Visibility		Changed Param. 1?		N	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	4000		New Value 1	4000 meters				Changed Value 1?		N	
Old Value 2			New Value 2					Changed Value 2?			
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2	
Old Condensed Impact	Reduced Visibility		New Condensed Impact	Low Visibility				Changed Condensed Impact?		Y	
Old Full Impact	Any occurrence of visibility <= 2.5 miles (4000 m) decreases the target acquisition range.										
New Full Impact	Any occurrence of visibility <= 2.5 miles (4000 m) decreases the target acquisition range.										
										Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	"Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM.										
Comments											
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?				Y

IWEDA Component Rules

ID #	57	Component Name	THERMAL SIGHT		Rule 1 #	124	Rule 2 #	124	Delete Rule?	N	
Old Color	2	New Color	2		Changed Color?					N	
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility	Changed Param. 1?					N
Parameter 2 #	1	Old Param. 2 ID	blowingsand	New Param. 2 ID	Blowing Sand	Changed Param. 2?					N
Old Value 1	3000	New Value 1	3000 meters		Changed Value 1?					N	
Old Value 2	1	New Value 2	None		Changed Value 2?					Y	
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	=	New Opt. 2	>	Changed Opt. 2?	Y
Old Condensed Impact	Blowing Sand		New Condensed Impact	Low Visibility		Changed Condensed Impact?					Y
Old Full Impact	Any occurrence of blowing sand and visibility <= 1.8 miles (3000 m) severely decreases the target acquisition range.										
New Full Impact	Any occurrence of blowing sand and visibility <= 1.8 miles (3000 m) severely decreases the target acquisition range.										
Changed Full Impact?											N
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	"Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM.										
Comments											
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?				Y

ID #	58	Component Name	THERMAL SIGHT		Rule 1 #	125	Rule 2 #	125	Delete Rule?	N	
Old Color	2	New Color	2		Changed Color?					N	
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility	Changed Param. 1?					N
Parameter 2 #	9	Old Param. 2 ID	fog	New Param. 2 ID	Fog	Changed Param. 2?					N
Old Value 1	3000	New Value 1	3000 meters		Changed Value 1?					N	
Old Value 2	1	New Value 2	None		Changed Value 2?					Y	
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	=	New Opt. 2	>	Changed Opt. 2?	Y
Old Condensed Impact	Fog and Reduced Visibility		New Condensed Impact	Low Visibility		Changed Condensed Impact?					Y
Old Full Impact	Any occurrence of fog and visibility <= 1.8 miles (3000 m) severely decreases the target acquisition range.										
New Full Impact	Any occurrence of fog and visibility <= 1.8 miles (3000 m) severely decreases the target acquisition range.										
Changed Full Impact?											N
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	"Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM.										
Comments											
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?				Y

IWEDA Component Rules

ID #	59	Component Name	THERMAL SIGHT		Rule 1 #	126	Rule 2 #	126	Delete Rule?	N	
Old Color	2	New Color	2		Changed Color?					N	
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility		Changed Param. 1?		N		
Parameter 2 #	17	Old Param. 2 ID	snow	New Param. 2 ID	Snow		Changed Param. 2?		N		
Old Value 1	3000		New Value 1	3000 meters		Changed Value 1?		N			
Old Value 2	0		New Value 2	None		Changed Value 2?		Y			
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	>	New Opt. 2	>	Changed Opt. 2	N
Old Condensed Impact	Snow and Reduced Visibility		New Condensed Impact	Low Visibility		Changed Condensed Impact?		Y			
Old Full Impact	Any occurrence of snow and visibility <= 1.8 miles (3000 m) severely decreases the target acquisition range.										
New Full Impact	Any occurrence of snow and visibility <= 1.8 miles (3000 m) severely decreases the target acquisition range.										
										Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	"Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM.										
Comments											
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?				Y

ID #	60	Component Name	THERMAL SIGHT		Rule 1 #	127	Rule 2 #	127	Delete Rule?	N	
Old Color	2	New Color	2		Changed Color?					N	
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility		Changed Param. 1?		N		
Parameter 2 #	14	Old Param. 2 ID	rain	New Param. 2 ID	Rain		Changed Param. 2?		N		
Old Value 1	3000		New Value 1	3000 meters		Changed Value 1?		N			
Old Value 2	0		New Value 2	None		Changed Value 2?		Y			
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	>	New Opt. 2	>	Changed Opt. 2	N
Old Condensed Impact	Precipitation and Reduced Visibility		New Condensed Impact	Rain and Low Visibility		Changed Condensed Impact?		Y			
Old Full Impact	Any occurrence of rain and visibility <= 1.8 miles (3000 m) severely decreases the target acquisition range.										
New Full Impact	Any occurrence of rain and visibility <= 1.8 miles (3000 m) severely decreases the target acquisition range.										
										Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	"Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM.										
Comments											
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?				Y

IWEDA Component Rules

ID #	61	Component Name	THERMAL SIGHT		Rule 1 #	128	Rule 2 #	128	Delete Rule?	N	
Old Color	2	New Color	2		Changed Color?					N	
Parameter 1 #	26	Old Param. 1 ID	visibility		New Param. 1 ID	Visibility		Changed Param. 1?		N	
Parameter 2 #	7	Old Param. 2 ID	drizzle		New Param. 2 ID	Drizzle		Changed Param. 2?		N	
Old Value 1	3000		New Value 1	3000 meters		Changed Value 1?				N	
Old Value 2	0		New Value 2	None		Changed Value 2?				Y	
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	>	New Opt. 2	>	Changed Opt. 2	N
Old Condensed Impact	Drizzle and Reduced Visibility		New Condensed Impact	Drizzle and Low Visibility		Changed Condensed Impact?				Y	
Old Full Impact	Any occurrence of drizzle and visibility <= 1.8 miles (3000 m) severely decreases the target acquisition range.										
New Full Impact	Any occurrence of drizzle and visibility <= 1.8 miles (3000 m) severely decreases the target acquisition range.										
										Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	"Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM.										
Comments											
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?				Y

ID #	62	Component Name	THERMAL SIGHT		Rule 1 #	129	Rule 2 #	129	Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?					N	
Parameter 1 #	26	Old Param. 1 ID	visibility		New Param. 1 ID	Visibility		Changed Param. 1?		N	
Parameter 2 #	7	Old Param. 2 ID	drizzle		New Param. 2 ID	Drizzle		Changed Param. 2?		N	
Old Value 1	4000		New Value 1	5000 meters		Changed Value 1?				Y	
Old Value 2	0		New Value 2	None		Changed Value 2?				Y	
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	>	New Opt. 2	>	Changed Opt. 2	N
Old Condensed Impact	Drizzle and Reduced Visibility		New Condensed Impact	Drizzle and Reduced Visibility		Changed Condensed Impact?				N	
Old Full Impact	Any occurrence of drizzle and visibility <= 2.5 miles (4000 m) decreases the target acquisition range.										
New Full Impact	Any occurrence of drizzle and visibility <= 3.1 miles (5000 m) decreases the target acquisition range.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	"Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM.										
Comments											
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?				Y

IWEDA Component Rules

ID #	63	Component Name	THERMAL SIGHT		Rule 1 #	130	Rule 2 #	130	Delete Rule?	N		
Old Color	1	New Color	1		Changed Color?					N		
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility	Changed Param. 1?					N	
Parameter 2 #	14	Old Param. 2 ID	rain	New Param. 2 ID	Rain	Changed Param. 2?					N	
Old Value 1	4000		New Value 1	5000 meters		Changed Value 1?					Y	
Old Value 2	0		New Value 2	None		Changed Value 2?					Y	
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	>	New Opt. 2	>	Changed Opt. 2	N	
Old Condensed Impact	Precipitation and Reduced Visibility		New Condensed Impact	Rain and Reduced Visibility		Changed Condensed Impact?					Y	
Old Full Impact	Any occurrence of rain and visibility <= 2.5 miles (4000 m) decreases the target acquisition range.											
New Full Impact	Any occurrence of rain and visibility <= 3.1 miles (5000 m) decreases the target acquisition range.											
											Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);											
New Source/Reason for Delete	"Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM.											
Comments												
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?				Y	

ID #	64	Component Name	THERMAL SIGHT		Rule 1 #	131	Rule 2 #	131	Delete Rule?	N		
Old Color	1	New Color	1		Changed Color?					N		
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility	Changed Param. 1?					N	
Parameter 2 #	17	Old Param. 2 ID	snow	New Param. 2 ID	Snow	Changed Param. 2?					N	
Old Value 1	4000		New Value 1	4000 meters		Changed Value 1?					N	
Old Value 2	0		New Value 2	None		Changed Value 2?					Y	
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	>	New Opt. 2	>	Changed Opt. 2	N	
Old Condensed Impact	Snow and Reduced Visibility		New Condensed Impact	Snow and Low Visibility		Changed Condensed Impact?					Y	
Old Full Impact	Any occurrence of snow and visibility <= 2.5 miles (4000 m) decreases the target acquisition range.											
New Full Impact	Any occurrence of snow and visibility <= 2.5 miles (4000 m) decreases the target acquisition range.											
											Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);											
New Source/Reason for Delete	"Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM.											
Comments												
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?				Y	

IWEDA Component Rules

ID #	65	Component Name	THERMAL SIGHT		Rule 1 #	132	Rule 2 #	132	Delete Rule?	N				
Old Color	1	New Color	1							Changed Color?	N			
Parameter 1 #	26	Old Param. 1 ID	visibility		New Param. 1 ID	Visibility				Changed Param. 1?	N			
Parameter 2 #	1	Old Param. 2 ID	blowingsand		New Param. 2 ID	Blowing Sand				Changed Param. 2?	N			
Old Value 1	4000		New Value 1	4000 meters						Changed Value 1?	N			
Old Value 2	1		New Value 2	None						Changed Value 2?	Y			
Old Operator 1	<		New Opt. 1	<		Changed Opt. 1?	N		Old Opt. 2	=	New Opt. 2	>	Changed Opt. 2?	Y
Old Condensed Impact	Blowing Sand		New Condensed Impact	Blowing Sand							Changed Condensed Impact?	N		
Old Full Impact	Any occurrence of blowing sand and visibility <= 2.5 miles (4000 m) decreases the target acquisition range.													
New Full Impact	Any occurrence of blowing sand and visibility <= 2.5 miles (4000 m) decreases the target acquisition range.													
												Changed Full Impact?	N	
Old Source	(1st Cavalry Division, 1992);													
New Source/Reason for Delete	"Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM.													
Comments														
Changed Source?	Y		Are There Any (2) Options?		Y		Any Change to Record?		Y					

ID #	66	Component Name	THERMAL SIGHT		Rule 1 #	133	Rule 2 #	133	Delete Rule?	N				
Old Color	1	New Color	1							Changed Color?	N			
Parameter 1 #	26	Old Param. 1 ID	visibility		New Param. 1 ID	Visibility				Changed Param. 1?	N			
Parameter 2 #	9	Old Param. 2 ID	fog		New Param. 2 ID	Fog				Changed Param. 2?	N			
Old Value 1	4000		New Value 1	4000 meters						Changed Value 1?	N			
Old Value 2	1		New Value 2	None						Changed Value 2?	Y			
Old Operator 1	<		New Opt. 1	<		Changed Opt. 1?	N		Old Opt. 2	=	New Opt. 2	>	Changed Opt. 2?	Y
Old Condensed Impact	Fog and Reduced Visibility		New Condensed Impact	Fog and Low Visibility							Changed Condensed Impact?	Y		
Old Full Impact	Any occurrence of fog and visibility <= 2.5 miles (4000 m) decreases the target acquisition range.													
New Full Impact	Any occurrence of fog and visibility <= 2.5 miles (4000 m) decreases the target acquisition range.													
												Changed Full Impact?	N	
Old Source	(1st Cavalry Division, 1992);													
New Source/Reason for Delete	"Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM.													
Comments														
Changed Source?	Y		Are There Any (2) Options?		Y		Any Change to Record?		Y					

IWEDA Component Rules

ID #	67	Component Name	TOW-COMMON	Rule 1 #	7	Rule 2 #		Delete Rule?	N			
Old Color	2	New Color	2					Changed Color?	N			
Parameter 1 #	22	Old Param. 1 ID	temperature	New Param. 1 ID	Minimum Temperature		Changed Param. 1?	Y				
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID			Changed Param. 2?					
Old Value 1	-25		New Value 1	- 25 F		Changed Value 1?	N					
Old Value 2			New Value 2			Changed Value 2?						
Old Operator 1	<input <="" td="" type="text" value="<="/> <td>New Opt. 1</td> <td><input <="" td="" type="text" value="<="/><td>Changed Opt. 1?</td><td colspan="2"> N </td><td>Old Opt. 2</td><td> </td><td>New Opt. 2</td><td> </td><td>Changed Opt. 2</td><td> </td></td>	New Opt. 1	<input <="" td="" type="text" value="<="/> <td>Changed Opt. 1?</td> <td colspan="2"> N </td> <td>Old Opt. 2</td> <td> </td> <td>New Opt. 2</td> <td> </td> <td>Changed Opt. 2</td> <td> </td>	Changed Opt. 1?	N		Old Opt. 2		New Opt. 2		Changed Opt. 2	
Old Condensed Impact	Cold		New Condensed Impact	Extreme Cold		Changed Condensed Impact?	Y					
Old Full Impact	Temperatures <= -25 F exceed the minimum operating range.											
New Full Impact	Temperatures <= -25 F exceed the minimum operating range											
											Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);											
New Source/ Reason for Delete	TM 9-1425-472-12, para 2-75, Jan 80											
Comments												
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y			

ID #	68	Component Name	TOW-COMMON	Rule 1 #	9	Rule 2 #		Delete Rule?	Y			
Old Color	1	New Color						Changed Color?				
Parameter 1 #	22	Old Param. 1 ID	temperature	New Param. 1 ID			Changed Param. 1?					
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID			Changed Param. 2?					
Old Value 1	-20		New Value 1			Changed Value 1?						
Old Value 2			New Value 2			Changed Value 2?						
Old Operator 1	<input <="" td="" type="text" value="<="/> <td>New Opt. 1</td> <td> </td> <td>Changed Opt. 1?</td> <td colspan="2"> </td> <td>Old Opt. 2</td> <td> </td> <td>New Opt. 2</td> <td> </td> <td>Changed Opt. 2</td> <td> </td>	New Opt. 1		Changed Opt. 1?			Old Opt. 2		New Opt. 2		Changed Opt. 2	
Old Condensed Impact	Cold		New Condensed Impact			Changed Condensed Impact?						
Old Full Impact	Temperatures <= -20 F may produce an ice fog from the engine's plume thereby exposing the operator to greater danger.											
New Full Impact												
											Changed Full Impact?	
Old Source	(1st Cavalry Division, 1992);											
New Source/ Reason for Delete	Delete Rule: Redundant with Rule ID# 67 and reference to - 10 F not found.											
Comments												
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y			

IWEDA Component Rules

ID #	69	Component Name	TOW-COMMON		Rule 1 #	35	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1							Changed Color?	N
Parameter 1 #	26	Old Param. 1 ID	visibility		New Param. 1 ID	Visibility		Changed Param. 1?		N	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	3200		New Value 1	3750 meters				Changed Value 1?		Y	
Old Value 2			New Value 2					Changed Value 2?			
Old Operator 1	<=		New Opt. 1	<		Changed Opt. 1?	Y		Old Opt. 2		
			New Opt. 2					Changed Opt. 2			
Old Condensed Impact	Reduced Visibility		New Condensed Impact	Low Visibility				Changed Condensed Impact?		Y	
Old Full Impact	Visibility < 2.0 miles (3200 m) reduces the maximum effective range.										
New Full Impact	Visibility < 2.3 miles (3750 m) reduces the effective range.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	FM 23-34, Para 2-79, Aug 94										
Comments											
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

ID #	70	Component Name	TOW-COMMON		Rule 1 #	37	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2							Changed Color?	N
Parameter 1 #	26	Old Param. 1 ID	visibility		New Param. 1 ID	Visibility		Changed Param. 1?		N	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	1000		New Value 1	1000 meters				Changed Value 1?		N	
Old Value 2			New Value 2					Changed Value 2?			
Old Operator 1	<		New Opt. 1	<		Changed Opt. 1?	N		Old Opt. 2		
			New Opt. 2					Changed Opt. 2			
Old Condensed Impact	Reduced Visibility		New Condensed Impact	Very Low Visibility				Changed Condensed Impact?		Y	
Old Full Impact	Visibility < 0.6 mile (1000 m) significantly reduces the time required for the TOW to arm itself.										
New Full Impact	Visibility < 0.6 miles (1000 m) significantly reduces the time available for the operator to accurately aim and control the missile.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	FM 23-34, Para 2-79, Aug 94										
Comments											
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

IWEDA Component Rules

ID #	71	Component Name	TOW-COMMON		Rule 1 #	63	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2							Changed Color?	N
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed		New Param. 1 ID	Surface Wind Speed		Changed Param. 1?		N	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	30		New Value 1	35 kts.		Changed Value 1?		Y			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>=		New Opt. 1	>		Changed Opt. 1?	Y		Old Opt. 2		
			New Opt. 2			Changed Opt. 2					
Old Condensed Impact	Surface Wind		New Condensed Impact	Strong Surface Wind		Changed Condensed Impact?		Y			
Old Full Impact	When surface winds across the direction of flight are >= 30 kts, tracking the target is very difficult.										
New Full Impact	When the surface winds are > 35 kts tracking the target is very difficult because of launch tube vibration.										
	Changed Full Impact?										Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	FM 23-34, Para 2-79, Aug 94										
Comments											
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

ID #	72	Component Name	TOW-COMMON		Rule 1 #	64	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1							Changed Color?	N
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed		New Param. 1 ID	Surface Wind Speed		Changed Param. 1?		N	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	15		New Value 1	25 kts.		Changed Value 1?		Y			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	>		New Opt. 1	>		Changed Opt. 1?	N		Old Opt. 2		
			New Opt. 2			Changed Opt. 2					
Old Condensed Impact	Surface Wind		New Condensed Impact	Surface Wind		Changed Condensed Impact?		N			
Old Full Impact	When surface winds across the direction of flight are >= 15 kts, tracking the target is difficult.										
New Full Impact	When surface winds across the direction of flight are > 25 kts, tracking the target is difficult because of launch tube vibration.										
	Changed Full Impact?										Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	FM 23-34, Para 2-79, Aug 94										
Comments											
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

IWEDA Component Rules

ID #	73	Component Name	TOW2-COMMON		Rule 1 #	7	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2							Changed Color?	N
Parameter 1 #	22	Old Param. 1 ID	temperature		New Param. 1 ID	Temperature		Changed Param. 1?		N	
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	-25		New Value 1	- 25 F				Changed Value 1?		Y	
Old Value 2			New Value 2					Changed Value 2?			
Old Operator 1	<=		New Opt. 1	<=		Changed Opt. 1?	N		Old Opt. 2		
			New Opt. 2					Changed Opt. 2			
Old Condensed Impact	Cold		New Condensed Impact	Extreme Cold				Changed Condensed Impact?		Y	
Old Full Impact	Temperatures <= -25 F exceed the minimum operating range.										
New Full Impact	Temperatures <= -25 F exceed the minimum operating range.										
Old Source	(1st Cavalry Division, 1992);									Changed Full Impact?	N
New Source/ Reason for Delete	TM 9-1425-472-12, Para 2-75, Jan 80										
Comments											
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

ID #	74	Component Name	TOW2-COMMON		Rule 1 #	9	Rule 2 #		Delete Rule?	Y	
Old Color	1	New Color								Changed Color?	N
Parameter 1 #	22	Old Param. 1 ID	temperature		New Param. 1 ID			Changed Param. 1?			
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	-20		New Value 1					Changed Value 1?			
Old Value 2			New Value 2					Changed Value 2?			
Old Operator 1	<=		New Opt. 1			Changed Opt. 1?			Old Opt. 2		
			New Opt. 2					Changed Opt. 2			
Old Condensed Impact	Cold		New Condensed Impact					Changed Condensed Impact?			
Old Full Impact	Temperatures <= -20 F may produce an ice fog from the engine's plume thereby exposing the operator to greater danger.										
New Full Impact											
Old Source	(1st Cavalry Division, 1992);									Changed Full Impact?	
New Source/ Reason for Delete	Delete Rule: Redundant with Rule ID# 73 and no reference found to - 20 F.										
Comments											
Changed Source?	Y		Are There Any (2) Options?		N		Any Change to Record?		Y		

IWEDA Component Rules

ID #	75	Component Name	TOW2-COMMON	Rule 1 #	35	Rule 2 #		Delete Rule?	N
Old Color	1	New Color	1					Changed Color?	N
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility			Changed Param. 1?	N
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?	
Old Value 1	3200	New Value 1	3750 meters					Changed Value 1?	Y
Old Value 2		New Value 2						Changed Value 2?	
Old Operator 1	<=	New Opt. 1	<	Changed Opt. 1?	Y	Old Opt. 2		New Opt. 2	
Old Condensed Impact	Reduced Visibility		New Condensed Impact	Low Visibility				Changed Condensed Impact?	Y
Old Full Impact	Visibility < 2.0 miles (3200 m) reduces the maximum effective range.								
New Full Impact	Visibility < 2.3 miles (3750 m) reduces the maximum effective range.								
								Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);								
New Source/ Reason for Delete	FM 23-34, Para 2-79, Aug 94								
Comments									
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?		Y

ID #	76	Component Name	TOW2-COMMON	Rule 1 #	37	Rule 2 #		Delete Rule?	N
Old Color	2	New Color	1					Changed Color?	Y
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility			Changed Param. 1?	N
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?	
Old Value 1	1000	New Value 1	1000 meters					Changed Value 1?	N
Old Value 2		New Value 2						Changed Value 2?	
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2	
Old Condensed Impact	Reduced Visibility		New Condensed Impact	Very Low Visibility				Changed Condensed Impact?	Y
Old Full Impact	Visibility < 0.6 mile (1000 m) significantly reduces the time required for the TOW2 to arm itself.								
New Full Impact	Visibility < 0.6 miles (1000m) significantly reduces the time available for the operator to accurately aim and control the missile.								
								Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);								
New Source/ Reason for Delete	FM 23-34, Para 2-79, Aug 94								
Comments									
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?		Y

IWEDA Component Rules

ID #	77	Component Name	TOW2-COMMON	Rule 1 #	63	Rule 2 #		Delete Rule?	N
Old Color	2	New Color	2					Changed Color?	N
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed	New Param. 1 ID	Surface Wind Speed			Changed Param. 1?	N
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?	
Old Value 1	30	New Value 1	35 kts.					Changed Value 1?	Y
Old Value 2		New Value 2						Changed Value 2?	
Old Operator 1	>=	New Opt. 1	>	Changed Opt. 1?	Y	Old Opt. 2		New Opt. 2	
Old Condensed Impact	Surface Wind		New Condensed Impact	Strong Surface Wind				Changed Condensed Impact?	Y
Old Full Impact	When surface winds across the direction of flight are >= 30 kts, tracking the target is very difficult.								
New Full Impact	When surface winds are > 35 kts tracking the target is very difficult due to launch tube vibration.								
								Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);								
New Source/ Reason for Delete	FM 23-34, Para 2-79, Aug 94								
Comments									
Changed Source?	Y	Are There Any (2) Options?			N	Any Change to Record?			Y

ID #	78	Component Name	TOW2-COMMON	Rule 1 #	64	Rule 2 #		Delete Rule?	N
Old Color	1	New Color	1					Changed Color?	N
Parameter 1 #	21	Old Param. 1 ID	surfacewindspeed	New Param. 1 ID	Surface Wind Speed			Changed Param. 1?	N
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?	
Old Value 1	15	New Value 1	25 kts.					Changed Value 1?	Y
Old Value 2		New Value 2						Changed Value 2?	
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2	
Old Condensed Impact	Surface Wind		New Condensed Impact	Surface Wind				Changed Condensed Impact?	N
Old Full Impact	When surface winds across the direction of flight are >= 15 kts, tracking the target is difficult.								
New Full Impact	When the surface wind speed is > 25 kts tracking the target is difficult because of launch tube vibration.								
								Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);								
New Source/ Reason for Delete	FM 23-34, Para 2-79, Aug 94								
Comments									
Changed Source?	Y	Are There Any (2) Options?			N	Any Change to Record?			Y

IWEDA Component Rules

ID #	79	Component Name	TV/DIRECT VIEW SIGHT	Rule 1 #	9	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1					Changed Color?	N	
Parameter 1 #	22	Old Param. 1 ID	temperature	New Param. 1 ID	Temperature			Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?		
Old Value 1	-20	New Value 1	- 20 F					Changed Value 1?	N	
Old Value 2		New Value 2						Changed Value 2?		
Old Operator 1	<input "="" type="text" value="<="/>	New Opt. 1	<input "="" type="text" value="<="/>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		
Old Condensed Impact	Cold		New Condensed Impact	Extreme Cold				Changed Condensed Impact?	N	
Old Full Impact	Temperatures <= -20 F may cause internal fogging and reduce imaging capability/effectiveness.									
New Full Impact	Temperatures <= -20 F may cause internal fogging and reduce imaging capability/effectiveness.									
								Changed Full Impact?	N	
Old Source	(1st Cavalry Division, 1992);									
New Source/ Reason for Delete	FM 34-81-1, Appendix C-6, Dec 1992									
Comments										
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?			Y

ID #	80	Component Name	TV/DIRECT VIEW SIGHT	Rule 1 #	36	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1					Changed Color?	N	
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility			Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?		
Old Value 1	5000	New Value 1	5000 meters					Changed Value 1?	N	
Old Value 2		New Value 2						Changed Value 2?		
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		
Old Condensed Impact	Reduced Visibility		New Condensed Impact	Reduced Visibility				Changed Condensed Impact?	N	
Old Full Impact	Any occurrence of visibility < 3.1 miles (5000 m) reduces the target and background contrast making target acquisition difficult.									
New Full Impact	Any occurrence of visibility < 3.1 miles (5000 m) reduces the target and background contrast making target acquisition difficult.									
								Changed Full Impact?	N	
Old Source	(1st Cavalry Division, 1992);									
New Source/ Reason for Delete	<input 1997,="" arl,="" dec="" dr.="" nm."="" r.="" shirkey,="" type="text" value="Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" wsmr,=""/>									
Comments										
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?			Y

IWEDA Component Rules

ID #	81	Component Name	TV/DIRECT VIEW SIGHT	Rule 1 #	109	Rule 2 #	109	Delete Rule?	N		
Old Color	1	New Color	1					Changed Color?	N		
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility			Changed Param. 1?	N		
Parameter 2 #	7	Old Param. 2 ID	drizzle	New Param. 2 ID	Drizzle			Changed Param. 2?	N		
Old Value 1	5000	New Value 1	5000 meters					Changed Value 1?	N		
Old Value 2	0	New Value 2	None					Changed Value 2?	Y		
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	>	New Opt. 2	>	Changed Opt. 2	N
Old Condensed Impact	Drizzle and Reduced Visibility			New Condensed Impact	Drizzle and Reduced Visibility			Changed Condensed Impact?	N		
Old Full Impact	Drizzle > light intensity and visibility < 3.1 miles (5000 m) reduces the target and background contrast making target acquisition difficult.										
New Full Impact	Any occurrence of drizzle and visibility < 3.1 miles (5000 m) reduces the target and background contrast making target acquisition difficult.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	"Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM.										
Comments											
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?				Y

ID #	82	Component Name	TV/DIRECT VIEW SIGHT	Rule 1 #	110	Rule 2 #	110	Delete Rule?	N		
Old Color	1	New Color	1					Changed Color?	N		
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility			Changed Param. 1?	N		
Parameter 2 #	14	Old Param. 2 ID	rain	New Param. 2 ID	Rain			Changed Param. 2?	N		
Old Value 1	5000	New Value 1	5000 meters					Changed Value 1?	N		
Old Value 2	0	New Value 2	None					Changed Value 2?	Y		
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	>	New Opt. 2	>	Changed Opt. 2	N
Old Condensed Impact	Precipitation and Reduced Visibility			New Condensed Impact	Rain and Reduced Visibility			Changed Condensed Impact?	Y		
Old Full Impact	Any occurrence of rain and visibility < 3.1 miles (5000 m) reduces the target and background contrast making target acquisition difficult.										
New Full Impact	Any occurrence of rain and visibility < 3.1 miles (5000 m) reduces the target and background contrast making target acquisition difficult.										
										Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	"Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM.										
Comments											
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?				Y

IWEDA Component Rules

ID #	83	Component Name	TV/DIRECT VIEW SIGHT	Rule 1 #	111	Rule 2 #	111	Delete Rule?	N		
Old Color	1	New Color	1					Changed Color?	N		
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility			Changed Param. 1?	N		
Parameter 2 #	17	Old Param. 2 ID	snow	New Param. 2 ID	Snow			Changed Param. 2?	N		
Old Value 1	5000	New Value 1	5000 meters					Changed Value 1?	N		
Old Value 2	0	New Value 2	None					Changed Value 2?	Y		
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	>	New Opt. 2	>	Changed Opt. 2	N
Old Condensed Impact	Snow and Reduced Visibility			New Condensed Impact	Snow and Reduced Visibility			Changed Condensed Impact?	N		
Old Full Impact	Any occurrence of snow and visibility < 3.1 miles (5000 m) reduces the target and background contrast making target acquisition difficult.										
New Full Impact	Any occurrence of snow and visibility < 3.1 miles (5000 m) reduces the target and background contrast making target acquisition difficult.										
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	"Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM.										
Comments											
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?				Y

ID #	84	Component Name	TV/DIRECT VIEW SIGHT	Rule 1 #	112	Rule 2 #	112	Delete Rule?	N		
Old Color	1	New Color	1					Changed Color?	N		
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility			Changed Param. 1?	N		
Parameter 2 #	1	Old Param. 2 ID	blowingsand	New Param. 2 ID	Blowing Sand			Changed Param. 2?	N		
Old Value 1	5000	New Value 1	5000 meters					Changed Value 1?	N		
Old Value 2	1	New Value 2	None					Changed Value 2?	Y		
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	=	New Opt. 2	>	Changed Opt. 2	Y
Old Condensed Impact	Blowing Sand and Reduced Visibility			New Condensed Impact	Blowing Sand and Reduced Visibility			Changed Condensed Impact?	N		
Old Full Impact	Any occurrence of blowing sand and visibility < 3.1 miles (5000 m) reduces the operational distance.										
New Full Impact	Any occurrence of blowing sand and visibility < 3.1 miles (5000 m) reduces the operational distance.										
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	"Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM.										
Comments											
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?				Y

IWEDA Component Rules

ID #	85	Component Name	TV/DIRECT VIEW SIGHT	Rule 1 #	113	Rule 2 #	113	Delete Rule?	N		
Old Color	1	New Color	1					Changed Color?	N		
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility			Changed Param. 1?	N		
Parameter 2 #	9	Old Param. 2 ID	fog	New Param. 2 ID	Fog			Changed Param. 2?	N		
Old Value 1	5000	New Value 1	5000 meters					Changed Value 1?	N		
Old Value 2	1	New Value 2	None					Changed Value 2?	Y		
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	=	New Opt. 2	>	Changed Opt. 2?	Y
Old Condensed Impact	Fog and Reduced Visibility			New Condensed Impact	Fog and Reduced Visibility			Changed Condensed Impact?	N		
Old Full Impact	Any occurrence of fog and visibility < 3.1 miles (5000 m) reduces the target and background contrast making target acquisition difficult.										
New Full Impact	Any occurrence of fog and visibility < 3.1 miles (5000 m) reduces the target and background contrast making target acquisition difficult.										
										Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	"Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM.										
Comments											
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?				Y

ID #	86	Component Name	TV/DIRECT VIEW SIGHT	Rule 1 #	118	Rule 2 #	118	Delete Rule?	N		
Old Color	2	New Color	2					Changed Color?	N		
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility			Changed Param. 1?	N		
Parameter 2 #	1	Old Param. 2 ID	blowingsand	New Param. 2 ID	Blowing Sand			Changed Param. 2?	N		
Old Value 1	3100	New Value 1	3100 meters					Changed Value 1?	N		
Old Value 2	1	New Value 2	None					Changed Value 2?	Y		
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	=	New Opt. 2	>	Changed Opt. 2?	N
Old Condensed Impact	Blowing Sand and Reduced Visibility			New Condensed Impact	Blowing Sand and Low Visibility			Changed Condensed Impact?	Y		
Old Full Impact	Any occurrence of blowing sand and visibility < 1.9 miles (3100 m) significantly reduces the operational distance.										
New Full Impact	Any occurrence of blowing sand and visibility < 1.9 miles (3100 m) significantly reduces the operational distance.										
										Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	"Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM.										
Comments											
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?				Y

IWEDA Component Rules

ID #	87	Component Name	TV/DIRECT VIEW SIGHT	Rule 1 #	119	Rule 2 #	119	Delete Rule?	N		
Old Color	2	New Color	2					Changed Color?	N		
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility			Changed Param. 1?	N		
Parameter 2 #	9	Old Param. 2 ID	fog	New Param. 2 ID	Fog			Changed Param. 2?	N		
Old Value 1	3100	New Value 1	3100 meters					Changed Value 1?	N		
Old Value 2	1	New Value 2	None					Changed Value 2?	Y		
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	=	New Opt. 2	>	Changed Opt. 2	Y
Old Condensed Impact	Fog and Reduced Visibility			New Condensed Impact	Fog and Low Visibility			Changed Condensed Impact?	Y		
Old Full Impact	Any occurrence of fog and visibility < 1.9 miles (3100 m) significantly reduces the target and background contrast making target acquisition difficult.										
New Full Impact	Any occurrence of fog and visibility < 1.9 miles (3100 m) significantly reduces the target and background contrast making target acquisition difficult.										
										Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	"Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM.										
Comments											
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?				Y

ID #	88	Component Name	TV/DIRECT VIEW SIGHT	Rule 1 #	120	Rule 2 #	120	Delete Rule?	N		
Old Color	2	New Color	2					Changed Color?	N		
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility			Changed Param. 1?	N		
Parameter 2 #	17	Old Param. 2 ID	snow	New Param. 2 ID	Snow			Changed Param. 2?	N		
Old Value 1	3100	New Value 1	3100 meters					Changed Value 1?	N		
Old Value 2	1	New Value 2	None					Changed Value 2?	Y		
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	>	New Opt. 2	>	Changed Opt. 2	N
Old Condensed Impact	Snow and Reduced Visibility			New Condensed Impact	Snow and Low Visibility			Changed Condensed Impact?	Y		
Old Full Impact	Snow > light intensity and visibility < 1.9 miles (3100 m) significantly reduces the operational distance.										
New Full Impact	Any occurrence of snow and visibility < 1.9 miles (3100 m) significantly reduces the operational distance.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	"Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM.										
Comments											
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?				Y

IWEDA Component Rules

ID #	89	Component Name	TV/DIRECT VIEW SIGHT	Rule 1 #	121	Rule 2 #	121	Delete Rule?	N		
Old Color	2	New Color	2					Changed Color?	N		
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility			Changed Param. 1?	N		
Parameter 2 #	14	Old Param. 2 ID	rain	New Param. 2 ID	Rain			Changed Param. 2?	N		
Old Value 1	3100	New Value 1	3100 meters					Changed Value 1?	N		
Old Value 2	1	New Value 2	None					Changed Value 2?	Y		
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	>	New Opt. 2	>	Changed Opt. 2	N
Old Condensed Impact	Precipitation and Reduced Visibility			New Condensed Impact	Rain and Low Visibility			Changed Condensed Impact?		Y	
Old Full Impact	Rain > light intensity and visibility < 1.9 miles (3100 m) significantly reduces the operational distance.										
New Full Impact	Ann occurrence of fain and visibility < 1.9 miles (3100 m) significantly reduces the operational distance										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	"Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM.										
Comments											
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?				Y

ID #	90	Component Name	TV/DIRECT VIEW SIGHT	Rule 1 #	123	Rule 2 #	123	Delete Rule?	N		
Old Color	2	New Color	2					Changed Color?	N		
Parameter 1 #	26	Old Param. 1 ID	visibility	New Param. 1 ID	Visibility			Changed Param. 1?	m		
Parameter 2 #	7	Old Param. 2 ID	drizzle	New Param. 2 ID	Drizzle			Changed Param. 2?	N		
Old Value 1	3100	New Value 1	3100 meters					Changed Value 1?	N		
Old Value 2	1	New Value 2	None					Changed Value 2?	Y		
Old Operator 1	<	New Opt. 1	<	Changed Opt. 1?	N	Old Opt. 2	>	New Opt. 2	>	Changed Opt. 2	N
Old Condensed Impact	Drizzle and Reduced Visibility			New Condensed Impact	Drizzle and Low Visibility			Changed Condensed Impact?		Y	
Old Full Impact	Drizzle > light intensity and visibility < 1.9 miles (3100 m) significantly reduces the operational distance.										
New Full Impact	Any occurrence of drizzle and visibility < 1.9 miles (3100 m) significantly reduces the operational distance.										
										Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);										
New Source/Reason for Delete	"Quantitative vs. Qualitative Tactical Decision Aids: Is There a Difference?" Dr. R. Shirkey, Dec 1997, ARL, WSMR, NM.										
Comments											
Changed Source?	Y	Are There Any (2) Options?				Y	Any Change to Record?				Y

IWEDA Component Rules

ID #	91	Component Name	VT FUZE		Rule 1 #	9	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	2		Changed Color?					N	
Parameter 1 #	22	Old Param. 1 ID	temperature		New Param. 1 ID	Temperature		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	-20		New Value 1	- 20 F		Changed Value 1?		N			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	<=	New Opt. 1	<	Changed Opt. 1?	Y	Old Opt. 2		New Opt. 2		Changed Opt. 2	
Old Condensed Impact	Cold		New Condensed Impact	Extreme Cold		Changed Condensed Impact?		Y			
Old Full Impact	Temperatures < -20 F exceed the operating limits and significantly increases unreliability.										
New Full Impact	Temperatures < -20 F exceed the operating limits and significantly increases unreliability.										
										Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	FM 31-70, Appendix G, Page 5a, Apr 1968										
Comments											
Changed Source?	Y	Are There Any (2) Options?		N		Any Change to Record?		Y			

ID #	92	Component Name	VT FUZE		Rule 1 #	11	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1		Changed Color?					N	
Parameter 1 #	22	Old Param. 1 ID	temperature		New Param. 1 ID	Temperature		Changed Param. 1?	N		
Parameter 2 #		Old Param. 2 ID			New Param. 2 ID			Changed Param. 2?			
Old Value 1	0		New Value 1	0 F		Changed Value 1?		N			
Old Value 2			New Value 2			Changed Value 2?					
Old Operator 1	<=	New Opt. 1	<=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		Changed Opt. 2	
Old Condensed Impact	Cold		New Condensed Impact	Very Cold		Changed Condensed Impact?		Y			
Old Full Impact	Temperatures <= 0 F increase the occurrence of malfunctions of variable time fuzes.										
New Full Impact	Temperatures <= 0 F increase the occurrence of malfunctions of variable time fuzes.										
										Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);										
New Source/ Reason for Delete	Implied by FM 31-70, Appendix G, Page 5a, Apr 1968										
Comments											
Changed Source?	Y	Are There Any (2) Options?		N		Any Change to Record?		Y			

IWEDA Component Rules

ID #	93	Component Name	VT FUZE	Rule 1 #	17	Rule 2 #		Delete Rule?	N	
Old Color	2	New Color	1					Changed Color?	Y	
Parameter 1 #	22	Old Param. 1 ID	temperature	New Param. 1 ID	Temperature			Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?		
Old Value 1	120	New Value 1	125 F					Changed Value 1?	Y	
Old Value 2		New Value 2						Changed Value 2?		
Old Operator 1	<input "="" type="text" value=">="/>	New Opt. 1	<input "="" type="text" value=">="/>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		
Old Condensed Impact	Hot		New Condensed Impact	Extreme Heat				Changed Condensed Impact?	Y	
Old Full Impact	Temperatures > 120 F exceed the operating limits and significantly increases unreliability.									
New Full Impact	Temperatures > 125 F exceed the operating limits and increases unreliability.									
									Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);									
New Source/ Reason for Delete	TM43-0001-28 Page 7-106, Jul 1987									
Comments										
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?		Y	

ID #	94	Component Name	VT FUZE	Rule 1 #	33	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1					Changed Color?	N	
Parameter 1 #	11	Old Param. 1 ID	hail	New Param. 1 ID	Hail			Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?		
Old Value 1	1	New Value 1	Yes					Changed Value 1?	Y	
Old Value 2		New Value 2						Changed Value 2?		
Old Operator 1	<input "="" type="text" value="="/>	New Opt. 1	<input "="" type="text" value="="/>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		
Old Condensed Impact	Hail		New Condensed Impact	Hail				Changed Condensed Impact?	N	
Old Full Impact	Any occurrence of hail may cause the premature detonation of variable time fuzes.									
New Full Impact	Any occurrence of hail may cause the premature detonation of variable time fuzes.									
									Changed Full Impact?	
Old Source	(1st Cavalry Division, 1992);									
New Source/ Reason for Delete	TM43-0001-28, Page 7-28, Jul 1987									
Comments										
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?		Y	

IWEDA Component Rules

ID #	95	Component Name	VT FUZE	Rule 1 #	54	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1					Changed Color?	N	
Parameter 1 #	14	Old Param. 1 ID	rain	New Param. 1 ID	Rain			Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?		
Old Value 1	2	New Value 1	Moderate			Changed Value 1?	Y			
Old Value 2		New Value 2				Changed Value 2?				
Old Operator 1	>	New Opt. 1	>	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		
Old Condensed Impact	Precipitation		New Condensed Impact	Heavy Rain				Changed Condensed Impact?	Y	
Old Full Impact	Rain > moderate intensity may cause the premature detonation of variable time fuzes.									
New Full Impact	Rain > moderate intensity may cause the premature detonation of variable time fuzes.									
									Changed Full Impact?	N
Old Source	(1st Cavalry Division, 1992);									
New Source/Reason for Delete	TM43-0001-28, Page 7-28, Jul 1987									
Comments										
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?			Y

ID #	96	Component Name	WHITE PHOSPHOROUS	Rule 1 #	24	Rule 2 #		Delete Rule?	N	
Old Color	1	New Color	1					Changed Color?	N	
Parameter 1 #	22	Old Param. 1 ID	temperature	New Param. 1 ID	Temperature			Changed Param. 1?	N	
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?		
Old Value 1	100	New Value 1	110 F			Changed Value 1?	Y			
Old Value 2		New Value 2				Changed Value 2?				
Old Operator 1	>=	New Opt. 1	>=	Changed Opt. 1?	N	Old Opt. 2		New Opt. 2		
Old Condensed Impact	Hot		New Condensed Impact	Very Hot				Changed Condensed Impact?	Y	
Old Full Impact	Temperatures >= 100 F make white phosphorous munitions unsafe to fire.									
New Full Impact	Temperatures >= 110 F make white phosphorous munitions unsafe.									
									Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);									
New Source/Reason for Delete	TM43-0001-28, Page 4-16, Jul 1987									
Comments										
Changed Source?	Y	Are There Any (2) Options?				N	Any Change to Record?			Y

IWEDA Component Rules

ID #	97	Component Name	WINTERIZATION KIT	Rule 1 #	11	Rule 2 #		Delete Rule?	N
Old Color	1	New Color	1					Changed Color?	N
Parameter 1 #	22	Old Param. 1 ID	temperature	New Param. 1 ID	temperature			Changed Param. 1?	N
Parameter 2 #		Old Param. 2 ID		New Param. 2 ID				Changed Param. 2?	
Old Value 1	0	New Value 1	0 F			Changed Value 1?	N		
Old Value 2		New Value 2				Changed Value 2?			
Old Operator 1	<input "="" type="text" value="<="/>	New Opt. 1	<	Changed Opt. 1?	Y	Old Opt. 2		New Opt. 2	
Old Condensed Impact	Cold		New Condensed Impact	Very Cold				Changed Condensed Impact?	Y
Old Full Impact	Temperatures < 0 F without a winterization kit make it difficult for the wheeled vehicle to start.								
New Full Impact	Temperatures < 0 F without a winterization kit make it difficult for the wheeled vehicle to start and require special servicing.								
								Changed Full Impact?	Y
Old Source	(1st Cavalry Division, 1992);								
New Source/ Reason for Delete	TM 9-2320-280-10, Para 3-4, Oct 86								
Comments									
Changed Source?	Y	Are There Any (2) Options?			N	Any Change to Record?			Y