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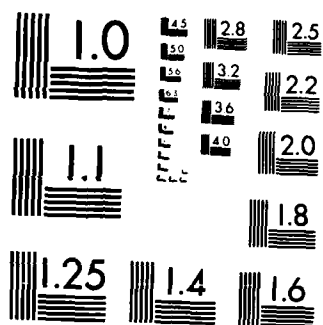
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USAAEFA PROJECT NO. 84 - 90



**US ARMY
AVIATION ENGINEERING FLIGHT ACTIVITY
(USAAEFA)
REPORT BIBLIOGRAPHY
UPDATE**

1983 - 1984

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USAAEFA

AD-A151 381

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**UNITED STATES ARMY AVIATION ENGINEERING FLIGHT ACTIVITY
EDWARDS AIR FORCE BASE, CALIFORNIA 93523**

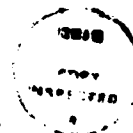
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P R E F A C E

The mission of the US Army Aviation Engineering Flight Activity (USAAEFA) is to conduct airworthiness qualification flight tests of air vehicles developed and/or procured as integrated systems and airworthiness evaluations of those vehicles proposed or considered for Army application or which incorporate advanced concepts having potential military application; produce test data on basic air vehicle performance, handling qualities, system/subsystem interface, and integrated system performance; and conduct a test pilot orientation course to prepare Army aviators for attendance at US Naval Test Pilot School.

The bibliography is listed by both project number and aircraft type tested or involved in the test of equipment or procedures. The project listing is in chronological order from 1983 through 1984. Missing numbers in the sequential project listing occur because of cancellations or restructuring of programs. The aircraft listing contains project numbers as well as all other information and allows the user an alternate method for obtaining necessary project information. Appendix A provides a quick reference list of the aircraft by contractor. Bibliography holders of record will automatically receive yearly supplemental listings.

The reports listed are defined as:

Formal Test Report. A report that is formally published for widespread distribution to other DOD agencies and staff, the Defense Technical Information Center (DTIC), appropriate contractors, and other agencies as directed by the US Army Aviation Systems Command (AVSCOM). These reports are identified by only the project number.

Letter Report. A report that is prepared to provide immediate information to the customer for milestone events or for portions of a test in progress. They are also to report on very limited tests or tests where the data have very restricted application or little historical value. These reports are identifiable by the LR with the project number and are identified in the title as a letter report, letter of effort, or memorandum for record.

Formal reports are on file with DTIC or the National Technical Information Service (NTIS) They may be obtained from DTIC by use

of the AD Number and from NTIS through their normal procedures. Letter reports are controlled by AVSCOM and may be obtained by contacting:

US Army Aviation Systems Command
Directorate for Qualification
and Development
ATTN: AMSAV-ED
4300 Goodfellow Blvd.
St. Louis, MO 63120.

1977

Project Number	Aircraft Type	Report Title	Rpt. Date	Author(s)	AD Number
77-17	UH-60A	Airworthiness and Flight Characteristics Evaluation of the UH-60A (Black Hawk) Helicopter	Sep 81	J. Nagata G. Skinner R. Buckanin R. Robbins CW4 R. Williams	

1980

Project Number	Aircraft Type	Report Title	Rpt. Date	Author(s)	AD Number
80-07	YAH-64	Climatic Laboratory Survey, Hughes	Mar 82	G. Bender MAJ C. Adam CPT R. Savage	A124 670
80-17-2	YAH-64	Airworthiness and Flight Characteristics Test Part 2, YAH-64 Advanced Attack Helicopter	Feb 82	MAJ B. Picasso, III MAJ G. Downs R. Buckanin J. Ottomeyer	A125 270
80-17-3	YAH-64	Airworthiness and Flight Characteristics (A&FC) Test of YAH-64 Advanced Attack Helicopter, Prototype Qualification Test	Oct 82	MAJ B. Picasso, III MAJ Gary T. Downs R. Buckanin M. Herbst	

1981

Project Number	Aircraft Type	Report Title	Rpt. Date	Author(s)	AD Number
81-01-3	UH-1H	Fuel Conservation Evaluation of USA Helicopters, Part 3, UH-1H Flight Testing	Aug 82	F. Dominick CPT F. Stellar MAJ D. Underwood	ADA 125 667
81-01-4	OH-58C	Fuel Conservation Evaluation of USA Helicopters Part 4, OH-58C Flight Testing	Aug 82	D. Belte MAJ M. Stratton	A127 422
81-01-5	AH-1S	Fuel Conservation Evaluation of USA Helicopters Part 5, AH-1S Flight Testing	Jan 83	MAJ L. Todd CPT R. Savage CPT R. Vincent CW4 R. Williams M. Herbst	
81-06-2	OV-1D	Maximum Performance Takeoff and Landing Capabilities for OV-1D	Oct 84	G. Bender	
81-09	JOH-8A	Preliminary Airworthiness Evaluation of JOH-8A	Sep 81	MAJ A. Marshall	CLASSIFIED
81-11	JUH-1H	JUH-1H Pneumatic Boot Deicing System Flight Test Evaluation	May 83	CPT L. Haworth MAJ R. Oliver R. Wortschek	A140 986
81-12	Aerial Platform	PAE Williams Aerial System Platform II Individual Lift Device (ILD)	Jun 82	MAJ Underwood J. Nagata	B073 268

1981
(Continued)

Project Number	Aircraft Type	Report Title	Rpt. Date	Author(s)	AD Number
81-18	UH-60A	UH-60A Light Icing Envelopes Evaluation with Blade Deicing Kit Installed but Inoperative	Jun 82	R. Robbins	ADA 125 630
81-21	OV-1D	Limited Artificial and Natural Icing Test of OV-1D (Re-Evaluation)	Aug 82	MAJ R. Carpenter LTC R. Ward R. Robbins	ADA 127 191
81-90-1		US Army Aviation Engineering Flight Activity (USAAEFA) Report Bibliography Update 1981 - 1982	Mar 84	K. Ferrell I. Tucker	
81-90-1A		US Army Aviation Engineering Flight Activity (USAAEFA) Author Report Bibliography		K. Ferrell I. Tucker	

1982

Project Number	Aircraft Type	Report Title	Rpt. Date	Author(s)	AD Number
82-01	AH-1S	Airworthiness and Flight Characteristics of AH-1S with Aircraft General Purpose Dispenser System (AGPDS)	Aug 82	CW3 Webre J. Ottomeyer	
82-04	AH-1S LR	Letter Report, Preliminary Airworthiness Evaluation of AH-1S Configured with Helicopter Wire Strike Protection System	Jul 82	G. Bender CW3 P. Sullivan	
82-09	UH-60A	Preliminary Airworthiness Evaluation of UH-60A with an Improved Airspeed System	Apr 83	MAJ M. Hanks CPT R. MacMullin G. Skinner	A148 676
82-12	UH-1H	Evaluation of UH-1H Hover Performance Degradation Caused by Rotor Icing	Aug 83	B. Abbott D. Belte CW4 Williams CPT F. Stellar	ADA 141 252
82-13	EH-1X/ EH-1H	Airworthiness and Flight Characteristics of the EH-1X/EH-1H Helicopter Configuration	Jan 84	LTC G. Downs CW4 J. Adkins J. Nagata CPT J. Kimberly J. Linehan CPT R. Savage	ADA 144 881
82-14	UH-60	Preliminary Airworthiness Evaluation UH-60 Configured with External Stores Support System (ESSS)	Mar 83	MAJ A. Marshall MAJ R. Oliver R. Buckanin R. Adler	ADA 132 964
82-15-1	UH-60A	UH-60A External Stores Support System Fixed Provisions Fairings Drag Determinations	May 84	CW4 Williams CPT R. MacMullin CW4 J. Weiss R. Buckanin W. Abbott G. Skinner	A147 188
82-17	YEH-60B LR	Preliminary Airworthiness Evaluation, YEH-60B with AN/ASN-132 Integrated Inertial Navigation System Installed	Feb 83	CW3 J. Webre MAJ J. Benson J. Nagata	

1982
(Continued)

Project Number	Aircraft Type	Report Title	Rpt. Date	Author(s)	AD Number
82-18	LONG-EZ	Preliminary Airworthiness of the Rutan Aircraft Factory (RAF) Inc., LONG-EZ Airplane	Jun 83	V. Diekmann MAJ D. Underwood LTC R. Ward M. Graham	A 140 765
82-19	YEH-60A	Letter of Effort, Transmittal of Selected Vibration Data of the YEH-60A Quick Fix System	Aug 84	G. Skinner CPT G. Bishop MAJ E. Tavares CW4 R. Murrell	

1983

Project Number	Aircraft Type	Report Title	Rpt. Date	Author(s)	AD Number
83-02	UH-60A TWR	Test Witness Report, UH-60A ESSS External Stores Separation Flight Test	Apr 83	MAJ G. Downs	
83-03	OH-58 LR	Report, OH-58 Vertical Fin Blockage Evaluation	Oct 83	MAJ A. Marshall LTC R. Carpenter MAJ M. Hanks MAJ J. Benson J. Nagata CPT R. Savage CPT F. Stellar R. Adler M. Graham MAJ L. Todd	
83-04	CH-47D	Preliminary Airworthiness Evaluation, CH-47D at 54,000 Pounds Gross Weight	May 83	G. Bender CW4 R. Williams CW3 P. Sullivan R. Robbins G. Yamakawa M. Herbst	
83-05	JOH-6A	Airworthiness and Flight Characteristics of the JOH-6A Light Combat Helicopter Configured with a Wire Strike Protection System	Nov 83	CW3 Webre CPT Mitchell R. Woratschek R. Adler	
83-07	MH-6E	MH-6E Extended Pitot Tube Modification Calibration and Evaluation	May 83	MAJ A. Marshall MAJ R. Oliver MAJ L. Todd	
83-08	OH-6A LOE	Letter of Effort, Government Pilot Evaluation OH-6A/NOTAR	Jun 83	MAJ R. Oliver D. Belte	
83-09	UH-60A LR	Report, UH-60A Engineer Flight Support for Simulation Validation	Apr 84	B. Abbott	
83-10	UH-60 TWR	Test Witness Report, UH-60A ESSS, M-56 Helicopter Mine Dispensing Subsystems Flight Test	May 83	CPT F. Stellar	
83-01-01	UH-60A TWR	Test Witness Report, UH-60A ESSS, External Stores Separation Flight Test	Jun 83	MAJ A. Marshall	

1983
(Continued)

Project Number	Aircraft Type	Report Title	Rpt. Date	Author(s)	AD Number
83-14	AH-1S LR	Report, Airworthiness Evaluation of AH-1S (Modernized Cobra) with Skid Cross-Tube Fairings Removed	Apr 84	G. Bender CW4 Williams	
83-16	Rally Ultralight	Preliminary Airworthiness Evaluation of ROTEC Engineering Inc., Rally 3 and Rally Sport Ultralight Aircraft	Aug 83	MAJ G. Downs J. Johnson	
83-17	UH-60	Preliminary Airworthiness Evaluation of the UH-60 Helicopter with T700-GE-701A Engines Installed	Aug 83	CPT L. Haworth CW3 J. Meiss	A140 882
83-18	LONG-EZ LR	Report, Preliminary Airworthiness Evaluation of Rutan Aircraft Factory Inc., LONG-EZ Airplane (S/N 1241)	Dec 83	V. Diekmann MAJ D. Underwood	
83-19	OH-58C LR	Report, OH-58C Oil Cooling System Evaluation	Apr 84	MAJ A. Marshall C. Cassil	
83-29	CH-53	Letter of Effort for Support of Marine CH-53 Icing Test	Apr 84	LTC R. Ward	
83-30	OH-58C LR	Report, Pitot-Static System Evaluation of OH-58C with Air-to-Ground Engagement System (AGES) Installed	Dec 83	MAJ A. Marshall C. Cassil	

1984

Project Number	Aircraft Type	Report Title	Rpt. Date	Author(s)	AD Number
84-02	RC-12D	Airworthiness and Flight Characteristics Test of the RC-12D Guardrail V	Jul 84	G. Yamakawa R. Adler CW4 J. Webre MAJ R. Ratcliff	A148 046
84-03	NASA-Ames VMS Simulator	Letter of Effort, Test Pilot Support for Scout/Attack Helicopter Simulation Study	Mar 84	MAJ A. Marshall	
84-04	LONG-EZ	Preliminary Airworthiness Evaluation of the Rutan Aircraft Factory (RAF), Inc. LONG-EZ Airplane with External Sight	May 84	MAJ D. Underwood G. Yamakawa CPT T. Reynolds CPT W. Carmona	A145 381
84-05	MH-6E LR	Report, Preliminary Airworthiness Evaluation Test of the MH-6E with Light Weight Airborne FLIR System (LAFS) Installed	Sep 84	CW4 Webre MAJ R. Oliver R. Woratschek R. Adler	
84-06	CH-47D	Report, Preliminary Airworthiness Evaluation Test of the CH-47D with Light Weight Airborne Forward Looking Infrared (FLIR) System (LAFS) Installed	Aug 84	R. Robbins CW4 P. Sullivan R. Woratschek	
84-07	UH-60 LR	Report, Preliminary Airworthiness Evaluation of the UH-60A with Light Weight Airborne Forward Looking Infrared (FLIR) System (LAFS) Installed	Aug 84	CPT T. Reynolds R. Robbins R. Woratschek	

1984
(Continued)

Project Number	Aircraft Type	Report Title	Rpt. Date	Author(s)	AD Number
84-08	AH-64A	Letter of Effort, T-28 High Speed Pace Support for the AH-64A	Jul 84	J. Johnson	
84-09	AH-1S(MC)	Preliminary Airworthiness Evaluation of the AH-1S(MC) Helicopter with External Fuel Tanks Installed	Jul 84	J. Nagata MAJ J. Voss CW4 Williams	A148 091
84-12	AH-1S LTP	Test Plan, Preliminary Airworthiness Evaluation of the AH-1S/PNVS Surrogate Trainer	Jun 84	J. Nagata	
84-17	UH-60A LR	Report, Infrared Measurement Test of the UH-60A Helicopter with Garret AiResearch Infrared Suppressor System Installed	Sep 84	MAJ E. Tavares	
84-29	OH-58C LR	Report, Pitot-Static System Evaluation of the OH-58C with Air-to-Ground Engagement System (AGES) Installed	Dec 83	MAJ A. Marshall C. Cassil	

APPENDIX A

Quick Reference List of Aircraft by Contractor.

FIXED WING

BEECH AIRCRAFT
RC-12D

ROTEC ENGINEERING INC.
Rally Ultralight

RUTAN AIRCRAFT FACTORY
Long-EZ

MISCELLANEOUS AIRCRAFT

Aerial Platform
NASA-Ames VMS Simulator

ROTARY WING

BELL HELICOPTER TEXTRON
AH-1
EH-1X/EH-1H
UH-1
OH-58

BOEING VERTOL CO.
CH-47

HUGHES HELICOPTERS
AH-64
JOH-6A
MH-6E

SIKORSKY AIRCRAFT
CH-53
UH-60
YEH-60B

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