

3

BRMC-83-5078-I

NEW APPROACH TO AIR FORCE PROVISIONING

Mr. Ken Garrison
WESTEC Services Inc.
3211 Fifth Avenue
San Diego CA 92103

Mr. Charles Tylander
USAir Airlines
Washington National Airport
Washington DC 20001

January 1984

PHASE I REPORT FOR PERIOD OCTOBER 1983 - JANUARY 1984
Contract Number F33615-83-C-5078

Approved for Public Release:
Distribution Unlimited

Prepared for
AIR FORCE BUSINESS RESEARCH MANAGEMENT CENTER
Wright-Patterson AFB Ohio 45433

DTIC
ELECTE
APR 24 1984
S E

84 04 24 067

AD A140494

DTIC FILE COPY

The views expressed herein are solely those of the researcher(s)
and do not represent those of the United States Air Force.

Unclassified

SECURITY CLASSIFICATION OF THIS PAGE

REPORT DOCUMENTATION PAGE

1a. REPORT SECURITY CLASSIFICATION Unclassified		1b. RESTRICTIVE MARKINGS									
2a. SECURITY CLASSIFICATION AUTHORITY		3. DISTRIBUTION/AVAILABILITY OF REPORT Approved for Public Release: Distribution Unlimited									
2b. DECLASSIFICATION/DOWNGRADING SCHEDULE											
4. PERFORMING ORGANIZATION REPORT NUMBER(S)		5. MONITORING ORGANIZATION REPORT NUMBER(S) BRMC-83-5078-I									
6a. NAME OF PERFORMING ORGANIZATION WESTEC Services, Inc.	6b. OFFICE SYMBOL (If applicable)	7a. NAME OF MONITORING ORGANIZATION Air Force Business Rsch Mgt Center AFBRMC/RDCB									
6c. ADDRESS (City, State and ZIP Code) 3211 Fifth Avenue San Diego, CA 92103		7b. ADDRESS (City, State and ZIP Code) WPAFB OH 45433									
8a. NAME OF FUNDING/SPONSORING ORGANIZATION AFBRMC	8b. OFFICE SYMBOL (If applicable) RDCB	9. PROCUREMENT INSTRUMENT IDENTIFICATION NUMBER F33615-83-C-5078									
8c. ADDRESS (City, State and ZIP Code) Area B, Bldg. 125 Wright-Patterson AFB, OH 45433		10. SOURCE OF FUNDING NOS. <table border="1"><thead><tr><th>PROGRAM ELEMENT NO.</th><th>PROJECT NO.</th><th>TASK NO.</th><th>WORK UNIT NO.</th></tr></thead><tbody><tr><td>71113</td><td>0</td><td>011</td><td>0</td></tr></tbody></table>		PROGRAM ELEMENT NO.	PROJECT NO.	TASK NO.	WORK UNIT NO.	71113	0	011	0
PROGRAM ELEMENT NO.	PROJECT NO.	TASK NO.	WORK UNIT NO.								
71113	0	011	0								
11. TITLE (Include Security Classification) (Unclassified) New Approach to Air Force Provisioning											
12. PERSONAL AUTHOR(S) Ken Garrison											
13a. TYPE OF REPORT Phase I	13b. TIME COVERED FROM 831001 TO 840131	14. DATE OF REPORT (Yr., Mo., Day) 840131	15. PAGE COUNT 221								
16. SUPPLEMENTARY NOTATION The views expressed herein are solely those of the researcher(s) and do not represent those of the United States Air Force.											
17. COSATI CODES <table border="1"><thead><tr><th>FIELD</th><th>GROUP</th><th>SUB. GR.</th></tr></thead><tbody><tr><td>15</td><td>05</td><td></td></tr></tbody></table>		FIELD	GROUP	SUB. GR.	15	05		18. SUBJECT TERMS (Continue on reverse if necessary and identify by block number) Provisioning policies, quantitative requirements, supplies, initial provisioning, requirements, materiel.			
FIELD	GROUP	SUB. GR.									
15	05										
19. ABSTRACT (Continue on reverse if necessary and identify by block number) ➤ The principal objective of the study was to define the correlation and/or difference between commercial and Air Force provisioning methodologies. Applicable data was collected at AFLC, USAir Headquarters, ALC Ogden, and USAir Provisioning Department in Pittsburgh. This data was analyzed and significant operational events in the Air Force and commercial provisioning cycles were identified and combined with data elements to construct Event Matrices. These matrices were then integrated through the identification of functionally equivalent events and common data into a unified Provisioning Matrix. The Provisioning Matrix provides schematic representation of the correlations and/or differences between Air Force and commercial methods. World Airline Suppliers' Guide data types were applied to data elements to support their organization into five sets of operationally equivalent data. Matrix elements were represented by codes in order to indicate how the data element is applicable to event performance.											
20. DISTRIBUTION/AVAILABILITY OF ABSTRACT UNCLASSIFIED/UNLIMITED ☐ SAME AS RPT. ☒ DTIC USERS ☐		21. ABSTRACT SECURITY CLASSIFICATION Unclassified									
22a. NAME OF RESPONSIBLE INDIVIDUAL 1st Lt Joseph S. Peck		22b. TELEPHONE NUMBER (Include Area Code) (513) 255-6221	22c. OFFICE SYMBOL RDCB								

DD FORM 1473, 83 APR

EDITION OF 1 JAN 73 IS OBSOLETE.

Unclassified

SECURITY CLASSIFICATION OF THIS PAGE

Unclassified

SECURITY CLASSIFICATION OF THIS PAGE

Block 19. Abstract (Continued)

Nine of the Provisioning Matrix events were determined to be unique to the Air Force while Buy-Back, a procedure where under certain conditions the manufacturer buys surplus items back from the company, represents the single unique commercial event.

Correlations and/or differences between the two provisioning methodologies have been specified.

Accession For		
NTIS GRA&I	☒	
DTIC TAB	☐	
Unannounced	☐	
Justification		
By		
Distribution/		
Availability Codes		
Avail and/or		
Dist	Special	
A-1		



Unclassified

EXECUTIVE SUMMARY

The principal objective of the first study phase was to define the correlation and/or difference between the commercial provisioning and Air Force provisioning methodologies. Data was collected at Headquarters Air Force Logistics Command, USAir Corporate Headquarters, the Ogden Air Logistics Center, and at the USAir Provisioning Department in Pittsburgh. The World Airline Suppliers' Guide and Air Transport Association documents were reviewed and analyzed to determine their impact on Air Force provisioning policy and procedures. Significant operational events in the Air Force and commercial provisioning methods were then identified and combined with data elements to construct Event Matrices. The Air Force and commercial Event Matrices have been integrated through the identification of functionally equivalent events and common data into a single unified Provisioning Matrix.

The Provisioning Matrix comprehensively provided schematic representations of the correlations and/or differences between the Air Force and the commercial provisioning methodologies. World Airline Suppliers' Guide data types were applied to Provisioning Matrix data elements to support their organization into five sets of operationally equivalent data. Provisioning Matrix elements were represented by 14 designation codes according to manufacturer and/or buyer event requirements. The appearance of a code within an event indicates that the data element is applicable to the event's performance. Provisioning Matrix event data input determined to result in the generation or modification of data during event performance was denoted by subscript convention.

Nine of the 29 Provisioning Matrix events were determined to be unique to Air Force provisioning while Buy-Back represented the single unique commercial event. Data elements contained in MIL-STD-1552A and the Air Force Addendum were determined to be totally inapplicable to 18 Air Force provisioning events. Fifty percent of the 123 Provisioning Matrix data elements were determined to be unique within Air Force and the commercial provisioning methodologies. Unique manufacturer data was identified and quantified in support of the resolution of differences between Air Force and commercial provisioning. Correlations and/or differences between the two provisioning methodologies have been specified with particular emphasis placed on those events and data representing significant policy and procedural differences.

Table of Contents

	<u>Page</u>
EXECUTIVE SUMMARY	i
Section I - INTRODUCTION	1
1. Objectives	1
Section II - METHODS AND APPROACH	2
1. Guidance Conference	2
2. Data Collection	2
3. Provisioning Cycle Milestones/Data Elements	2
4. Provisioning Matrix Construction	4
Section III - PROVISIONING DATA PRESENTATION	7
1. Surveyed Activities	7
2. Event Status	13
3. Data Element Status	20
4. Data Disposition	46
5. Event Matrix Specification	56
6. Event Correspondence	61
7. Matrix Element Designation	65
8. Matrix Data Dependency	68
9. Matrix Data Categories	74
10. Matrix Specification	102
Section IV - CONCLUSION	116
1. Analysis	116
2. Results	119
Section V - APPENDICES	121
Appendix A - Provisioning Event Specification (Air Force)	122
Appendix B - Provisioning Event Specification (Commercial)	140

Table of Contents (Continued)

	<u>Page</u>
Appendix C - Data Element Specification (Air Force)	153
Appendix D - Data Element Specification (Commercial)	169
Appendix E - Provisioning Matrix	182
Appendix F - Acronyms and Abbreviations	195
Appendix G - Briefing Charts	200

DATA TABLES

Table 1 - Surveyed Activities	8
Table 2 - Provisioning Event Status	14
Table 3-A - Provisioning Data Element Status - Air Force	21
Table 3-B - Provisioning Data Element Status - Commercial	41
Table 4-A - Provisioning Data Disposition - Air Force	47
Table 4-B - Provisioning Data Disposition - Commercial	53
Table 5-A - Event Matrix Specification - Air Force	57
Table 5-B - Event Matrix Specification - Commercial	60
Table 6-A - Event Correspondence - Air Force	62
Table 6-B - Event Correspondence - Commercial	64
Table 7 - Matrix Element Designation	66
Table 8 - Matrix Data Dependency	69
Table 9 - Provisioning Matrix Data Categories - Manufacturer Data Summary	75
Table 9-A - Provisioning Matrix Data Categories - Manufacturer Control Data	78
Table 9-B - Provisioning Matrix Data Categories - Manufacturer Application Data	80
Table 9-C - Provisioning Matrix Data Categories - Manufacturer Technical Data	82

Table of Contents (Continued)

	<u>Page</u>
Table 9-D - Provisioning Matrix Data Categories - Manufacturer Procurement Data	94
Table 9-E - Provisioning Matrix Data Categories - Manufacturer Administrative Data	86
Table 10 - Provisioning Matrix Data Categories - Buyer Data Summary	89
Table 10-A - Provisioning Matrix Data Categories - Buyer Control Data	92
Table 10-B - Provisioning Matrix Data Categories - Buyer Application Data	94
Table 10-C - Provisioning Matrix Data Categories - Buyer Technical Data	96
Table 10-D - Provisioning Matrix Data Categories - Buyer Procurement Data	98
Table 10-E - Provisioning Matrix Data Categories - Buyer Administrative Data	100
Table 11 - Provisioning Matrix Specification - Summary	103
Table 11-A - Provisioning Matrix Specification - Control Data Type	106
Table 11-B - Provisioning Matrix Specification - Application Data Type	108
Table 11-C - Provisioning Matrix Specification - Technical Data Type	110
Table 11-D - Provisioning Matrix Specification - Procurement Data Type	112
Table 11-E - Provisioning Matrix Specification - Administrative Data Type	114

I. INTRODUCTION

1. Objectives

a. Under the direction of the Air Force Business Research Management Center (AFBRMC), WESTEC Services, Inc., and USAir are conducting a joint study to provide a new approach to Air Force provisioning. The WESTEC/USAir approach is based on the examination and evaluation of provisioning methods used by the Air Force and commercial aviation. The possibility of applying commercial techniques in the military environment is investigated through correlation of provisioning techniques used in the Air Force and in the commercial world. Toward this end, the New Approach to Air Force Provisioning study is broadly organized into two separate phases. Phase one concerns the construction of Event Matrices for the Air Force and commercial aviation. Event Matrices were integrated into a Provisioning Matrix to show the correlation and/or difference between commercial and Air Force provisioning methodologies. In the second study phase a decision-tree analysis will be applied to the Provisioning Matrix in order to determine the most cost-effective method of provisioning selected end items.

b. This report marks the conclusion of the first study phase. The methods, techniques and procedures employed in the performance of each study activity are defined herein. The similarities, differences, advantages and disadvantages of the Air Force and the commercial provisioning methodologies are presented according to Provisioning Matrix specification. The Provisioning Matrix is provided as Appendix E report Section V.

II. METHODS AND APPROACH

1. Guidance Conference

a. In accordance with the proposed technical approach, the AFBRMC Guidance Conference properly oriented the study team regarding available sources and types of Air Force provisioning documentation. The need for the study team to visit candidate Air Logistics Centers (ALCs) was examined and Ogden (OO-ALC) ALC was selected as manager of one of the five end item study equipments (Simulators) and included the D220 development activity.

2. Data Collection

a. A data collection activity was performed at Hq AFLC and OO-ALC. Available documentation was reviewed and selectively acquired for each of the policy and procedural items referenced in the statement of work as follows: Defense Acquisition Regulations, Basic Ordering Agreements, Spares Integrated with Production, Spares Pricing, D220 Provisioning System, Cataloging, Initial Spares Requirements, and the J041 Due-in Asset System.

b. The commercial data collection activity was performed at USAir Corporate Headquarters at National Airport and at the USAir Provisioning Department in Pittsburgh. A complete set of ATA specifications was obtained from the USAir facility at National Airport. USAir Material Services Control System specifications including detailed ATA Specification Number 200, data dictionaries, and user procedures and guidelines were collected for the Initial Provisioning, Procurement, Control and Cross Reference, and Cash-Flow/Investment subsystems.

3. Provisioning Cycle Milestones/Data Elements

a. Completion of the first three major activities, i.e., Guidance Conference, Data Identification and Data Collection, provided the background required to initiate Event Matrix construction. The Air Force provisioning cycle presented in the technical proposal was expanded in accordance with Air Force guidance to include 28 separately identified provisioning events. The 14 event commercial cycle was refined and augmented for a final total of 19 events.

b. Forms, reports, automated systems, and other collected Air Force and commercial documentation associated with event performance were examined to identify event data requirements. In conjunction with Air Force direction a candidate list of Air Force elements was restricted to data elements identified in MIL-STD-1552A and the Addendum to the Provisioning Requirements Statement. Similarly, collected commercial data was drawn from the World Airline Suppliers' Guide and ATA documentation to conform with Air Force data selection.

c. Following event specification and data element selection, the Air Force and commercial provisioning events were combined with their respective data requirements to construct provisioning Event Matrices. The resultant dimensions differed according to the number of events and data elements associated with the respective provisioning method. Each Event Matrix element was coded according to its manufacturer and/or buyer requirements status. Data produced by the buyer exclusively for internal use was designated by code "B", buyer data produced for the manufacturer was termed Buyer/Manufacturer data and designed "BM". Manufacturer data produced for the buyer was designated "MB" while internal manufacturers data was not included in the study data collection effort (see Table 7). The absence of a designation code for a data element within any given event was adjusted to indicate the condition that the data element was inapplicable to event performance. The presence of an element designation within an event represented event applicability including data production or modification. The original appearance of an element in an event indicated initial data production or generation. The input information identified to support event data output or modification was denoted by subscript according to the following nomenclature:

d. Let E_0 denote the comprehensive $m \times 1$ array containing every data element identified in the provisioning cycle, i.e., Air Force array dimension 86×1 and commercial dimension 69×1 . Denote the ordered sequence of event arrays by:

$$E_1, E_2, \dots, E_n$$

where n equals 28 for the Air Force Event Matrix and 19 for the commercial Event Matrix. Event data element input, generation and modification for Air Force event E_i is designated as follows:

Input data Elements $X(i-k)p$, $X(i-k)p+1$, ..., $X(i-k)p+s$ from Event E_{i-k} where $1 \leq k < i$, $1 < p+s \leq 86$ and X represented one member of the designation code set MB, B, or BM .

4. Provisioning Matrix Construction

a. Data Element Integration — The Air Force and the commercial Event Matrices provided the basis for Provisioning Matrix construction. The first step of the construction process involved the integration of the comprehensive Air Force and commercial data arrays, i.e., the respective 86×1 and 69×1 E_0 arrays. Results achieved by the Provisioning Initiative Activity (PIA) "mock" provisioning effort were extended from MIL-STD-1552 to incorporate MIL-STD-1552A, the Addendum and updated ATA provisioning documentation. Air Force data elements were related with commercial elements in accordance with the following correspondence criteria. Data elements from the two provisioning methods with identical field lengths incorporating the content of the other method was assigned a compatible classification. Elements from the two provisioning methods containing operationally related data analytically determined to be potentially compatible following minor conversion or revision were termed similar. The data set defying the conditions of the compatibility and/or similarity relations were classified unique. In this fashion the entire E_0 Air Force and commercial provisioning data sets were compared to establish the identification of common, i.e., compatible and similar, and unique provisioning data.

b. Provisioning Event Integration — Based on the results of Event Matrix data element integration, each of the events contained in the Air Force and commercial Event Matrices were compared to identify potentially equivalent events. The event equivalence relation was defined by the commonality, i.e., compatibility and similarity, of respective event data sets and the functional compatibility of event specification from the alternative provisioning methods.

c. Data Element Type — World Airline Suppliers' Guide data classifications were used to partition Provisioning Matrix data into five sets of operationally equivalent data. Each data type represented a broad conceptual category within the provisioning process, i.e., Control, Application, Technical, Procurement, and Administrative. Organization of Provisioning Matrix within data type was intended to enhance

matrix analysis through the minimization of comparison and contrasts between operationally unrelated data.

d. Element Designation — The designation code set used to indicate manufacturer and/or buyer data requirements status in the Event Matrices, i.e., B, BM, or MB, was expanded to accommodate the increased representational requirements of the Provisioning Matrix. As common or unique data moved across the matrix event set the designation of a particular data element may vary, i.e., the same data may be used differently in the separate methods. Hence, data produced by the buyer exclusively for their internal use in Air Force provisioning (designation B) may be required by the commercial manufacturer (BM data). These distinctions are identified by the following set of 14 Provisioning Matrix data element designation codes; MB/MB, MB/BM, MB/, /MB, MBX, XMB, BM/BM, BM/MB, BM/, /BM, BMX, XBM, B/ and BX (see Table 7). The Air Force element designation is positioned to the left (on top in the matrix specification) while commercial designation is on the right (bottom). An "X" code represents a void in the positionally indicated provisioning method, i.e., XMB denotes the absence of common data in a particular Air Force (left/top) event with commercial data from the manufacturer to the buyer applicable to the commercial event (right/bottom). Notice that the slash notation is used in conjunction with a blank to denote the availability of a common data element for a particular event which is not exercised in the indicated provisioning method, e.g., MB/ indicates a commonly available but unapplied commercial data element.

e. Data Element Dependence — Provisioning Matrix event data input resulting in output data generation or data modification within successive events was identified through subscripting. Subscripts were tabulated separately from the Provisioning Matrix in order to simplify its presentation and enhance the analysis of consolidated data dependencies.

f. Matrix Analysis — Completion of the Provisioning Matrix provided an efficient vehicle for the analysis of Air Force and commercial provisioning methodologies down to the level of their individual data requirements. Data, data flow, and events were compared and contrasted to identify those processes common and unique to each method. The data flow between the manufacturer and the buyer has been correlated to the functionally equivalent and unique events within the combined provisioning

cycle. Elements and events in the Air Force cycle which do not exist in commercial aviation have been identified and assessed according to their need and importance, i.e., advantage, to Air Force provisioning. Data elements and events unique to the commercial cycle have been identified and their potential contribution to Air Force provisioning has been investigated. In this manner the similarities, differences, advantages and disadvantages of the two provisioning methods are concisely presented.

III. PROVISIONING DATA PRESENTATION

1. Surveyed Activities

- a. Table 1 lists surveyed Air Force and commercial organizational activities together with the documentation and data obtained at each activity.

Table 1

SURVEYED ACTIVITY - HQ AFLC

Organization/Personnel	Collected Documentation
Provisioning Policy and Procedures Division	
Provisioning Policy Section/Specialists	Addendum to the Provisioning Requirements State- ment Initial Requirements Determination - AFLC 57-27 Overview Briefing Document - SAIP Overview Briefing Document Interview/Observation Notes - D220 System Provisioning Initiative Activity - ATA 200 Report Provisioning Policies and Procedures - AFLC 65-5 Source, Maintenance and Recoverability coding of A.F. Weapons, Systems, and Equipments - TO 00-25- 195 Supply Support Request - AFLC 67-8 Uniform DoD Provisioning Procedures - MIL-STD- 1561A Uniform DoD Requirements for Provisioning Techni- cal Documentation - MIL-STD-1552A
Data Management Section/Analyst	AFLC Provisioning System (D220) User's Manual - AFLC 65-33
Cataloging and Standardization Division/Specialist	Cataloging and Standardization - AFLC 72-2

Table 1 (Continued)
SURVEYED ACTIVITY - OO ALC

Organization/Personnel	Collected Documentation
Item Management Division	
Provisioning Section/ Provisioning Specialist	AFIT The Language of Systems and Logistics Management Data Call Checklist Interviews/Observation Notes Provisioning Guidance Conference Agenda and Hand-outs Provisioning of End Items of Material - DoD Directive 4140.40 Provisioning Section Organizational and Briefing Package Provisioning Section Workload Measurement Data Screening Documents Examples Student Study Guide/Workbook - D220 Support Equipment Acquisition Management - Draft AFLC 800-5 Systems Acquisition Briefing Material
Provisioning Specialist-Cataloging/RS	Briefing Package Notes
Provisioning Specialist-SSR	SSR Unit Overview Briefing Package/Notes

Table 1 (Continued)

SURVEYED ACTIVITY - OO ALC (Continued)

Organization/Personnel	Collected Documentation
Training Devices System Management Division	
Engineering Section/ Equipment Specialist	Technical Review Information Briefing Package/ Notes Technical Review Line Item Data Analysis Edit Cri- teria
Investment/Replacement Section/ Equipment Specialist	Requirements Computation Student Workbook/Study Guide - D062 EQQ Requirements Determination Computation Work- sheets/Data
Resource Management Division	
System Development Section/System Analyst	Data Element Dictionary - D220 Interviews/Observation Notes Listing of Data Automation Requirements (DARs) Representative Sample Reports - D220

Table 1 (Continued)

SURVEYED ACTIVITY - USAir Headquarters

Organization/Personnel	Collected Documentation
Headquarters, Washington DC Interline Support Manager	World Airline Supplier's Guide
	Specification for Manufacturers' Technical Data - A.T.A. Specification No. 100
	Specification for Ground Equipment Technical Data - A.T.A. Specification No. 101
	Specification for Computer Software Manual - A.T.A. Specification No. 102
	Specification Integrated Data Processing Supply - A.T.A. Specification No. 200
	Specification for Packaging of Airline Supplies - A.T.A. Specification No. 300
	Airline Inventory Redistribution System - A.T.A. Specification No. 400

Table 1 (Continued)

SURVEYED ACTIVITY - USAir Provisioning

Organization/Personnel	Collected Documentation
Provisioning Department Pittsburgh, PA	
Director Aircraft Provisioning	System Manual - USAir Initial Provisioning Subsystem Data Dictionary - USAir Initial Provisioning Subsystem Program Specifications - USAir Initial Provisioning Subsystem System Manual - USAir Procurement Data Subsystem System Manual - USAir Control Cross-Reference Subsystem System Manual - USAir Cash Flow/Investment Subsystem Spare Parts General Terms Agreement

2. Event Status

a. Events selected for the specification of the Air Force provisioning cycle are contained in Table 2. Candidate events are listed and numbered in the first tabular column. Guidance provided by the Air Force supported the transition from candidate to the 28 final events in the second column. Candidate events deleted or consolidated are presented to explicitly depict the selection process. The null event status was assigned to candidate events determined to be operationally independent of Air Force provisioning data, i.e., data identified in MIL-STD-1552A and the Addendum to the Provisioning Requirements Statement.

Table 2
PROVISIONING EVENT STATUS
Air Force

Number		Event Name	Delete	Event Status		
Initial	Final			Null	Consolidate	Retain
001		Production Decision		X		
002		Maintenance Concept		X		
003		Provisioning Strategy		X		
004		Provisioning Method		X		
005	001	Documentation Requirements			X	X
006	001	Data Call			X	
007	001	PTD Data Selection			X	
008	001	Provisioning Requirements Statement - PRS			X	
009	001	CDRL/DIDs			X	
010		PR/MIPR		X		
011		Programming Checklist		X		
012		RFP/RFQ		X		
013		Preproposal Conference		X		
014		Provisioning Performance Schedule - PPS		X		
015	002	Contract Award				X
016	003	Guidance Conference				X
017		Provisioning Operational Plan - POP		X	X	
018		Milestones			X	
019		Contract/End Article Data			X	
020		Program Data			X	
021		PCCN Master			X	

Table 2

PROVISIONING EVENT STATUS
Air Force (Continued)

Number		Event Name	Delete	Event Status		
Initial	Final			Null	Consolidate	Retain
022		Activity Address Table	X			
023		Processing Management and Control	X			
024	001	PRS Revision/Contract Modification			X	
025	004	Interim Release LLIL				X
026	005	Recommended Items LLIL				X
027	006	Screening				X
028		DLA Screening	X			
029	007	Interchangeability and Substitution				X
030	008	Spares Acquisition Integrated with Production				X
031		Incremental Submissions	X			
032	009	Provisioning Parts List PPL/GAPL			X	X
033	010	Supplemental Provisioning Technical Documentation				X
034	009	Common and Bulk Item List - CBIL			X	
035	009	Repairable Item List - RIL			X	
036		Interim Support Item List - ISIL	X			
037	009	Statement of Prior Submission			X	
038	009	Other Technical Data			X	
039		PTD Management and Control	X			

Table 2

PROVISIONING EVENT STATUS
Air Force (Continued)

Number		Event Name	Delete	Event Status		
Initial	Final			Null	Consolidate	Retain
040		SPTD Management and Control	X			
041		PTD File Construct	X			
042		Suspense Management		X		
043	011	Provisioning Conference			X	X
044	011	Technical Review			X	
045	011	SMR Code			X	
046	011	Failure, Maintenance, Condemnation Factors			X	
047	011	Essentiality Code			X	
048	011	Demilitarization Code			X	
049	011	MMAC, IMC, MOE			X	
050		Design Change Management and Control	X			
051		D220 DCN Maintenance	X			
052	012	Item Cost/Price Review				X
053	011	Recoverable Item Break-down - RIB			X	
054		D220 Maintenance Transactions	X			
055		Processing Management and Control	X			
056		Lateral ALC Management and Control	X			
057	011	FSC Validation			X	
058	013	NC/ND Number Assignment			X	X

Table 2
PROVISIONING EVENT STATUS
Air Force (Continued)

Number		Event Name	Delete	Event Status		
Initial	Final			Null	Consolidate	Retain
059	013	NC/ND Management and Control			X	
060	014	Initial Spares Support				X
061	015	Support Equipment Recommendation Data - SERD				X
062	016	Design Change Notice				X
063	017	Post Conference List-PCL				X
064		Processing Management and Control	X			
065		PPL Update	X			
066	011	MOS Code			X	
067	018	Requirements Determination - Expense			X	X
068	018	Requirements Determination - Investment			X	
069	018	Requirements Determination - SE			X	
070	018	Delivery Schedule			X	
071		D220 Maintenance Transactions	X			
072		Processing Management and Control	X			
073	019	Cataloging				X
074	007	Standardization			X	
075	007	Interchangeability and Substitution			X	
076		Lateral ALC Management and Control	X			

Table 2

PROVISIONING EVENT STATUS
Air Force (Continued)

Number		Event Name	Delete	Event Status		
Initial	Final			Null	Consolidate	Retain
077		D220 Maintenance Transactions	X			
078	020	Supply Support Request - SSR			X	X
079		D220 Maintenance Transactions	X			
080		Processing Management and Control	X			
081	020	Negative Advice Notices			X	
082	021	Contractor Notification			X	
083	021	Provisioned Item Order - PIO			X	X
084		D220 Maintenance Transactions	X			
085		Processing Management and Control	X			
086	022	PIO Funding Requirements - Expense			X	X
087	022	PIO Funding Requirements - Investment			X	
088	022	Funds Matching with Accounting			X	
089	022	PIO Adjustments			X	
090		Delivery Schedule	X			
091	023	Packaging				X
092	021	PIO Contract Modificaiton			X	
093	021	Final PIO			X	
094	024	Contractor Acceptance/ Rejection of Delivery Dates				X
095	025	Spares Pricing			X	X

Table 2

PROVISIONING EVENT STATUS
Air Force (Continued)

Number		Event Name	Delete	Event Status		
Initial	Final			Null	Consolidate	Retain
096	025	Negotiations			X	
097	026	PIO Release				X
098	027	Due-In Asset				X
099		Spares Lay-In		X		
100	028	Operational Need Date				X
101		Interrogation	X			
102		Microfische		X		
103		History Administration		X		

3. Data Element Status

a. Table 3-A presents the candidate and the selected Air Force provisioning data set. Each element is listed in conjunction with the policy, procedural or reference entity identified as potentially applicable to Provisioning Matrix construction. Under the direction of the Air Force the first study phase was restricted to data identified in MIL-STD-1552A and the Addendum to the Provisioning Requirements Statement. Each of these 86 elements fall under the final number column.

Table 3-A

PROVISIONING DATA ELEMENT STATUS
Air Force

Number Initial Final	Data Element Name	Justification
001	Accelerated Provisioning	D062
002	Acceptable Quality Level	D062
003	Acceptable Quality Rate	D062
004	Acquisition Advice Code	DoD 4100.39-M
005	Acquisition Management System Control	AFLCR 72-2
006	Action Code-AC	AFLCR 65-5
007	Action Indicator	AFLC 65-33
008	Action Initiation Date	AF 86
009	Action Taken Code	AFLCR 67-8
010	Activity Code	AFLCR 67-8
011	ADP Equipment Code	NC Number
012	Additional Reference Numbers	AFLCR 57-27
013	Additional Skill Requirement	MIL-STD-1388
014	Additional Training Requirements	MIL-STD-1388
015	Address Code	AF 86
016	Administrative Lead Time	D062
017	AFIM	NC Number
018	ALC Code	NC Number
019	Allowance Quantity	MIL-STD-1388
020	Allowance Source Code	D062
021	Alternative Action Code	MIL-STD-1388
022	Amendment Number	IM/SM
023	Annual Maintenance Man-Hours	MIL-STD-1388
024	Annual Number of Missions	MIL-STD-1388
025	Annual Operating Days	MIL-STD-1388
026	Annual Operating Requirements	MIL-STD-1388
027	Annual Rate	D062
028	Application Essentiality Code	D062
029	Approved Force Acquisition Objective	D062
030	Aptitude/Qualification Test Scores	MIL-STD-1388

Table 3-A

PROVISIONING DATA ELEMENT STATUS
Air Force (Continued)

Number Initial Final		Data Element Name	Justification
031		Assets Used in Computation	D062
032		Assigned Commodity Classes	MIL-STD-965
033		Assignee Code	NC Number
034		Authorization Source Code	AFLCR 57-27
035		Authorized Stock Level	AF 86
036	001	Automatic Data Processing Code - ADPEC	Addendum
037		Availability	MIL-STD-1388
038		Average Flying Hour Per Sortie	D062
039		Average Months Program	AFLCR 67-8
040		Average Month Utilization Rate	Prog. Checklist
041	002	Base Condemnation Percent - BCR	Addendum
042		Base Level Self Sufficiency	AFLCR 57-27
043		Base Repair	Prog. Checklist
044		Base Repair Cycle	AFLCR 57-27
045		Base Stock Level	AFLCR 57-27
046		Basis of Issue	Prog. Checklist
047		Block Code	AFLC 65-33
048		Budget Code	DoD 4100.39-M
049		Budget Program Account Code	D062
050		Buffer Stock	MIL-STD-1517
051		Buyer Designation Code	IM/SM
052		Buying Station Code	NC Number
053		Calendar Year	NC Number
054		Calendar Year Quarter	AFLCR 65-5
055		Calibration Equipment	DI-S-3596A
056		Capitalization Change Date	D062
057	003	Card Format Identifier	MIL-STD-1552A
058	004	Card Sequence Number - CSN	MIL-STD-1552A
059		Cataloging Agent	AF 86
060		Centralized Repair Status	Prog. Checklist

Table 3-A

PROVISIONING DATA ELEMENT STATUS
Air Force (Continued)

Number Initial Final		Data Element Name	Justification
061		Change Action	AFLCR 57-27
062	005	Change Authority Number	MIL-STD-1552A
063		Civilian Grade	MIL-STD-1388
064		Clerk Designator	AF 86
065		Commodity Integrated Materiel Management	AFLCR 57-27
066		Component Item Manager	D062
067		Condemnation Factor	D062
068		Configuration Item Identification	DI-S-3596A
069		Contingency Retention Item	D062
070		Contract Control Data	Addendum
071		Contract Line Item Number - CLIN	D220
072		Contract Number	MIL-STD-1552A
073		Contract/Registry Control Number	AFLCR 67-8
074		Contractor Field Maintenance Status	Prog. Checklist
075		Contractor Notification Output	AFLC 65-33
076		Contractor Overhaul Code	Prog. Checklist
077		Contractor Submission Date	MIL-STD-1552A
078	006	Contractor Turn Around Time - CTAT	MIL-STD-1552A
079		Contractor's Name/Address	MIL-STD-1552A
080	007	Control Data	MIL-STD-1552A
081		Conversion Factor	MIL-STD-1388
082		Country Code	AFLC 65-33
083		Cross-Index	DI-S-3596A
084		Cycle	IM/SM
085		Data Contractor Submission	MIL-STD-1552A
086		Data Sheet Status Code	MIL-STD-1388
087		Date	MIL-STD-1388
088		Date Document Outputted	D220
089	008	Date List Submitted	MIL-STD-1552A
090		Date of PR/MIPR Origin	IM/SM

Table 3-A

PROVISIONING DATA ELEMENT STATUS
Air Force (Continued)

Number Initial Final		Data Element Name	Justification
091		Date of Request	AFLCR 67-8
092		Date Repair Parts Required	AFLCR 65-5
093		Days Delinquent in Cycle	IM/SM
094		Decimal Locator	NC Number
095		Decision Deadline Date	MIL-STD-1517
096		Deferred Disposal Code	D062
097		Definitive Reference Number	AFLCR 77-2
098		Delete Item Code	D062
099	009	Delivery Schedule	Addendum
100		Demand Development Period	AFLCR 57-27
101		Demand/In-use Inventory	AF 86
102		Demands Used in Computations	D062
103	010	Demilitarization Code	Addendum
104	011	Depot Condemnation Rate - DCR	Addendum
105		Depot Repair	Prog. Checklist
106		Depot Repair Cycle	AFLCR 57-27
107		Depot Supply Level	D062
108		Design Change Notice	D062
109		Desired Delivery Date	D062
110		Destination	AFLCR 65-5
111		Development Cost	DI-S-3596A
112		DIDS Segment Code	DI-V-7016D
113		Differential Management Code	D062
114		Disposal	IM/SM
115		Division Designator	AF 86
116	012	Document Availability Code - DA	Addendum
117		Document Identifier - D/I	Addendum
118		Document Number	D220
119		Dollar Value of Annual Demand	AFLCR 57-27
120		Drawing Classification	MIL-STD-1388

Table 3-A

PROVISIONING DATA ELEMENT STATUS
Air Force (Continued)

Number Initial Final		Data Element Name	Justification
121		Drawing Number	MIL-STD-1388
122	013	Drawing Status Code - DS	Addendum
123		Duty Position Requiring a New or Revised Skill	MIL-STD-1388
124		Economic Order Quantity - EOQ	AFLCR 57-27
125		Educational Qualifications	MIL-STD-1388
126		Elapsed Time	MIL-STD-1388
127		End Article Life Expectancy	Prog. Checklist
128		End Item Acronym or Nickname Code	MIL-STD-1388
129		End Item Delivery Code	DoD 4140.26-M
130		End Item Delivery Schedule	Prog. Checklist
131		End Item Delivery Start Date	Prog. Checklist
132		End Item Name, Model Type	AFLC 65-33
133		End Item NSN, Name, Type or Model	DoD 4140.26-M
134		End Item Operational Schedule	Prog. Checklist
135		End Item Quantity	DoD 4140.26-M
136		End Transmission	D220
137		Engine Type	Prog. Checklist
138		Environmental Considerations	MIL-STD-1388
139		Equipment Functional Classification Categories	MIL-STD-864A
140		Equipment Identification Characteristics	MIL-STD-864A
141		Equipment Specialist Code - ESC	D220
142	014	Essentiality Code - EC	MIL-STD-1552A
143		Estimated Date First Article	DI-S-3596A
144		Estimated Production Lead Time	DI-S-3596A
145		Exception Reason	IM/SM
146		Exhibit Identification Code	DAR 20-305.3
147	015	Exhibit Line Item Number - ELIN	Addendum
148		Expendability, Recoverability, Repairability Category Code - ERRC	AFLCR 77-2

Table 3-A

PROVISIONING DATA ELEMENT STATUS
Air Force (Continued)

Number Initial Final		Data Element Name	Justification
149		Expense Branch	AAT
150	016	Extended Remarks	Addendum
151		Extended Unit Price	MIL-STD-1388
152		Facilities Design Criteria	MIL-STD-1388
153		Facilities Installation Leadtimes	MIL-STD-1388
154		Facilities Requirements	MIL-STD-1388
155		Facility Category Code	MIL-STD-1388
156		Facility Requirements	DI-S-3596A
157		Facility Requirements Code	MIL-STD-1388
158		Facility Unit Cost	MIL-STD-1388
159		Facility Utilization	MIL-STD-1388
160		Fail Safe Requirements	MIL-STD-1388
161		Failure Effects & Criticality	MIL-STD-1388
162	017	Failure Factor I	MIL-STD-1552A
163	018	Failure Factor II, Overhaul Replacement Percentage	MIL-STD-1552A
164	019	Failure Factor III, Not Repairable This Station (NRTS)	MIL-STD-1552A
165		Failure Mode	MIL-STD-1388
166		Failure Symptoms	MIL-STD-1388
167	020	Federal Supply Code for Manufacturers - FSCM	MIL-STD-1552A
168		File Update Code	MIL-STD-1388
169		First Additional Category Code - CC	MIL-STD-1552A
170		First Additional Format Code - FC	MIL-STD-1552A
171		First Additional Reference FSCM	MIL-STD-1552A
172		First Additional Reference Number	MIL-STD-1552A
173		First Additional Reference Number - P/N	MIL-STD-1552A
174		First Additional Reference Number Variation Code - RV	MIL-STD-1552A
175		First Precedent Part Number	MIL-STD-1552A
176		Forecast Award Date	IM/SM

Table 3-A

PROVISIONING DATA ELEMENT STATUS
Air Force (Continued)

Number Initial Final		Data Element Name	Justification
177		Foreign Military Sales Code - FMS	D220
178		Functional Analysis	DI-S-3596A
179		Functional Classification Index	MIL-STD-864A
180		Functional Group Code	MIL-STD-1388
181		Fund Code	AF 86
182		Gaining Fund Code	AF 86
183		Gaining Inventory Manager - GIM	AFLCR 77-2
184		Gaining Source of Supply	AF 86
185		General Application Part	MIL-STD-965
186		Height	MIL-STD-1388
187		History Control Code	D062
188		I&S Breakdown Freeze Code	D062
189		I&S Stock Number	D062
190		Identification List - IL	AFLCR 77-2
191		IM DSP Deferred	IM/SM
192		Implied Shortage Factor	D062
193	021	Indenture - IND	MIL-STD-1552A
194		Industrial Preparedness Program Lead Time	D062
195		Initial Requirements Computation	AFLC 65-33
196		Initial Spares Support Number	Prog. Checklist
197	022	Initial Supply and/or Other Support List - IS	Addendum
198		Input Transaction Code	AF 86
199		Installation Factors	MIL-STD-1388
200		Installation Lead Time	MIL-STD-1517
201		Insurance Item	D062
202		Integrated Materiel Manager - IMM	AFLCR 77-2
203	023	Interchangeability Code - IC	MIL-STD-1552A
204		Intermediate Maintenance	Prog. Checklist
205		Inventory Code	D062
206		Inventory Management Responsibility Code	MIL-STD-1388

Table 3-A

PROVISIONING DATA ELEMENT STATUS
Air Force (Continued)

Number Initial Final		Data Element Name	Justification
207		Investment Branch	AAT
208		Issue Interval	Prog. Checklist
209		Item Category Code	MIL-STD-1388
210		Item Essentiality Code	D062
211		Item Function	MIL-STD-1388
212		Item Identification	AFLC 65-33
213	024	Item Management Code - IMC	Addendum
214		Item Manager Activity Code	MIL-STD-1388
215		Item Manager Recommended Quantity	D220
216	025	Item Name	MIL-STD-1552A
217		Item Name from Cataloging Handbook	AF 86
218		Item Serial Number	AFLCR 67-8
219		Item Status Code - ISC	D220
220		Intermediate Maintenance Status	Prog. Checklist
221		Job Routed	D062
222		Job Routed Condemnation Percent	AFLCR 57-27
223		Joint Management Code	D062
224		Justification	MIL-STD-1388
225		K Number	AFLCR 77-2
226		Kit/Set Part Number	MIL-STD-1388
227		Lead Service	AFLCR 77-2
228		Lead Time Quantity	D062
229		Lead Time Suffix Code	D062
230		Length	MIL-STD-1388
231		Letter Limiter	AFLC 65-33
232		Level of Authority	AFLCR 77-2
233		Level of Repair	MIL-STD-1517
234		Limited Application Part	MIL-STD-965
235		Line Item Count	D220
236		Line Item Record Count or Multiple Card Count	MIL-STD-1552A

Table 3-A

PROVISIONING DATA ELEMENT STATUS
Air Force (Continued)

Number Initial Final		Data Element Name	Justification
237		Line Item Type	IM/SM
238	026	Long Reference Part Number Code - LRNC	MIL-STD-1552A
239		Losing Inventory Manager - LIM	AFLCR 77-2
240		Maintainability Consideration Code	MIL-STD-1388
241		Maintainability Recommendations	MIL-STD-1388
242	027	Maintenance Action Code - MA	MIL-STD-1552A
243		Maintenance Concept	MIL-STD-1388
244		Maintenance Concept Impact	MIL-STD-1388
245		Maintenance Factor - MF	MIL-STD-1552A
246		Maintenance Inventory Center Assets	D062
247		Maintenace Repair Level	AFLCR 57-27
248	028	Maintenance Task Distribution - MTD	MIL-STD-1552A
249	029	Major Organizational Entity Rule Number - MOE	Addendum
250		Management Intensity Code	D062
251		Manager Designator Code - MDC	D220
252		Managing ALC Code	AAT
253		Man-Hours	MIL-STD-1388
254		Man-Hours (Maintenance) per Operating Hour	MIL-STD-1388
255		Man Identifier	MIL-STD-1388
256	030	Manufacturer's Part Number	MIL-STD-1552A
257		Master Repair Schedule	AFLCR 57-27
258		Match Count	AFLC 65-33
259		Match Indicator Code	MIL-STD-1388
260	031	Material Management Aggregation Code - MMAC	Addendum
261		Materiel Program Code	D062
262	032	Maximum Allowable Operating Time - MAOT	MIL-STD-1552A
263		Mean Absolute Deviation	D062
264		Mean Active Maintenance Downtime	MIL-STD-1388
265		Mean Mission Duration	MIL-STD-1388
266		Mean Time Between Demand	AFLC 65-33

Table 3-A

PROVISIONING DATA ELEMENT STATUS
Air Force (Continued)

Number Initial Final		Data Element Name	Justification
267		Mean Time Between Failure	D062
268		Mean Time Between Overhaul	D062
269		Mean Time Between Removal	D062
270		Mean Time to Failure	D062
271		Mean Time to Repair	D062
272		Measurement Base Code	MIL-STD-1388
273	033	Method of Support Code - MOS	Addendum
274	034	Method of Support Modifier - MM	Addendum
275		Milestones	AFLCR 70-11
276		Military Essentiality Code	MIL-STD-1388
277		Military Parts Control Advisory Group - MPCAG	MIL-STD-965
278	035	Mission Item Essentiality Code - MIEC	Addendum
279		Mission Profile Change	MIL-STD-1388
280		Model Designation and Configuration End Item	DI-S-3596A
281		Monthly Demand Rate	D062
282	036	Multiple Card Count	Addendum
283		National Item Identification Number - NIIN	AF 86
284		National Stock Number Justification Code - NJ	Addendum
285	037	National Stock Number - NSN	MIL-STD-1552A
286		NATO Code	AF 86
287		NC/ND Number	AF 86
288		New ERRC	AF 86
289		New Item Code	D062
290		New Suspense Date	IM/SM
291		New Unit of Issue	AF 86
292	038	Next Higher Assembly PLISN	MIL-STD-1552A
293		Next Higher Repairable Assembly	AFLCR 57-27
294	039	Nomenclature/Model/Type Number	MIL-STD-1552A
295		Nonconsumable Item Material Support - NIMS	DoD 4100.39-M
296		Nondefinitive Reference Number	AFLCR 77-2

Table 3-A

PROVISIONING DATA ELEMENT STATUS
Air Force (Continued)

Number Initial Final	Data Element Name	Justification
297	Non-Job Routed	D062
298	Non-Job Routed Repair Percent	AFLCR 57-27
299	Non-Job Routed Replacement Percent	AFLCR 57-27
300	Nonstandard Part	MIL-STD-965
301	Nonstock Fund EOQ Item	D062
302	Not Reparable This Station - NRTS	MIL-STD-1552A
303	Number Contractor Facilities	Prog. Checklist
304	Number Engine Installations	Prog. Checklist
305	Number of CONUS Bases	Prog. Checklist
306	Number of CONUS Depots	Prog. Checklist
307	Number of Copies	AFLC 65-33
308	Number of End Articles Assigned	Prog. Checklist
309	Number of Installations	Prog. Checklist
310	Number of Men per Task	MIL-STD-1388
311	Number of Months in Delivery Cycle	AFLCR 65-5
312	Number of Overseas Bases	Prog. Checklist
313	Number of Overseas Depots	Prog. Checklist
314	Number of Systems Supported	MIL-STD-1388
315	Number Spare Engines	Prog. Checklist
316	Numerical Stockage Objective	D062
317	Obsolete Asset Code	D062
318	Obsolete Item	IM/SM
319	Office Address Symbol	AFLCR 67-8
320	Office of Primary Responsibility	AFLCR 57-72
321	Old Unit of Issue code	DoD 4100.39-M
322	Operability Code	MIL-STD-1388
323	Operating/Repairable Type Item	MIL-STD-1517
324	Operational Need Date	Prog. Checklist
325	Operational Schedule	Prog. Checklist
326	Order and Shipping Time	D062

Table 3-A

PROVISIONING DATA ELEMENT STATUS
Air Force (Continued)

Number Initial Final		Data Element Name	Justification
327		Organization Maintenance Status	Prog. Checklist
328		Organizational or Intermediate Maintenance Status	AFLCR 57-27
329		Organizational Requirements	DI-S-3596A
330		Output Date Request Code	DI-V-7016D
331	040	Overhaul Quantity	MIL-STD-1552A
332		Overhaul Replacement Percent - O/H	MIL-STD-1552A
333		Overhaul Status	Prog. Checklist
334		Package Sequence Number	NC Number
335		Packaging Requirements Code	MIL-STD-1388
336		Page Number - PG	MIL-STD-1552A
337		Part of	AF 86
338		Part Number	D062
339		Part Preference Code	D062
340		Parts Control Board	MIL-STD-965
341		Pay Grade, Uniformed Services	MIL-STD-1388
342		Peak Month Program	AFLCR 67-8
343		Percent End Items East	DoD 4140.26-M
344		Percentage of Failure Rate	MIL-STD-1388
345		Permanent System Control Number	AFLC 65-33
346	041	Phased Provisioning Code - PPC	MIL-STD-1552A
347		Physical & Mental Requirements	MIL-STD-1388
348		Physical/Performance Characteristics	AF 86
349	042	Physical Security/Pilferage Code PS	MIL-STD-1552A
350		Pilot Rework/Overhaul Candidate	MIL-STD-1388
351		PIO Control Number	D220
352		PIO Number	AFLC 65-33
353		PIO Output Media	AFLC 65-33
354		PIO Preparation Method	AFLC 65-33
355		PLISN/TOCC Format	AFLC 65-33
356		Plus Program Asset Data Code	MIL-STD-1388

Table 3-A

PROVISIONING DATA ELEMENT STATUS
Air Force (Continued)

Number		Data Element Name	Justification
Initial	Final		
357		PMSC Suffix Code	AF 86
358	043	Precious Metal Indicator Code	Addendum
359		Prescreening Code	AFLCR 65-5
360		Prime ALC and Provisioning Office Symbol	D220
361	044	Prime FSCM	MIL-STD-1552A
362	045	Prime Inventory Control Activity - PICA	Addendum
363		Print Sequence Card	AFLC 65-33
364	046	Prior Item PLISN - PPLISN	MIL-STD-1552A
365		Priority	IM/SM
366		Priority Indicator Code	DI-V-7016D
367		PR/MIPR Quantity	IM/SM
368	047	Procurement Control Identifier - PCI	MIL-STD-1552A
369	048	Procurement Instrument Identification Number - PIIN	MIL-STD-1552A
370		Procurement Method Code	DoD 4140.26-M
371		Procurement Method Suffix Code	AFLCR 77-2
372		Procurement Source Code	D062
373		Product Code	AFLC 65-33
374		Product Control Number - PCN	AFLCM 171-38
375		Product Number	D062
376	049	Production Lead Time - PLT	MIL-STD-1552A
377	050	Program Parts Selection List Code - PPSL	MIL-STD-1552A
378		Programmed Annual Rate	D062
379		Programmed Monthly Demand Rate	D062
380		Programming Checklist Date	AFLC 65-33
381		Proposed Source	DI-S-3596A
382	051	Prorated from ELIN - PELIN	Addendum
383	052	Prorated Quantity	Addendum
384		Prorated to Variable/Special Provisioning Process	MIL-STD-1552A
385	053	Provisioning Contract Control Number	Addendum

Table 3-A

PROVISIONING DATA ELEMENT STATUS
Air Force (Continued)

Number Initial Final		Data Element Name	Justification
386		Provisioning Control Code - PCC	DoD 4140.26-M
387		Provisioning List Category Code	MIL-STD-1552A
388	054	Provisioning List Item Sequence Number - PLISN	MIL-STD-1552A
389		Provisioning Milestones	D220
390		Provisioning Operational Plan - POP	D220
391		Provisioning Technical Documentation - PTD	MIL-STD-1552A
392		Provisioning Specialist Code	D220
393		Qualitative Maintainability Requirements	MIL-STD-1388
394		Quantitative Expression	NC Number
395		Quantity Contingency	MIL-STD-1388
396		Quantity for Mobilization Requirements	Prog. Checklist
397		Quantity for Organization Requirements	Prog. Checklist
398		Quantity for Replenishment Requirements	Prog. Checklist
399		Quantity on Hand	AF 86
400		Quantity on Order	AF 86
401	055	Quantity Per Assembly - QPA	MIL-STD-1552A
402	056	Quantity Per End Item - QPEI	MIL-STD-1552A
403		Quantity per Kit/Set	MIL-STD-1388
404		Quantity per Task	MIL-STD-1388
405	057	Quantity Procured - QTY-PRO	MIL-STD-1552A
406	058	Quantity Shipped - QTY-SHP	MIL-STD-1552A
407		Quantity to be Attrited	Prog. Checklist
408		Quantity to be Supported	Prog. Checklist
409	059	Quantity Unit Pack - QUP	MIL-STD-1552A
410		Radioactive Code	AF 86
411		Reason Code	AF 86
412		Receiving ALC and Provisioning Symbol	MIL-STD-1552A
413		Receiving Organization	AFLC 65-33
414		Recommended Solution	DI-S-3596A
415	060	Reference Designation	MIL-STD-1552A

Table 3-A

PROVISIONING DATA ELEMENT STATUS
Air Force (Continued)

Number Initial Final		Data Element Name	Justification
416	061	Reference Designation Code - RDC	MIL-STD-1552A
417	062	Reference Designation Overflow Code - RDOC	MIL-STD-1552A
418	063	Reference Number Category Code - RNCC	MIL-STD-1552A
419		Reference Number Format Code - FC	MIL-STD-1552A
420	064	Reference Number Justification Code - RNJC	MIL-STD-1552A
421	065	Reference Number Variation Code - RV	Addendum
422		Registry Control Number	AFLCR 57-27
423	066	Remarks	MIL-STD-1552A
424		Reorder Level	D062
425		Repair Time	MIL-STD-1388
426		Repair Turnaround Time	MIL-STD-1388
427	067	Replaced or Superseding PLISN - R/S PLISN	MIL-STD-1552A
428		Replenishment Quantity	AFLCR 67-8
429		Requestors Code	AFLC 65-33
430		Required Availability Date	D062
431		Requirement or Quantity Authorized	AF 86
432	068	Requisition Number	Addendum
433		Resident Integrated Logistics Support Activity	AFLC 65-33
434		Responsible Agency	DI-S-3596A
435		Retail Quality	AFLCR 67-8
436		Retention Level	D062
437		Retention Level Factor	D062
438		Revision Code	MIL-STD-1388
439		Revision Number	MIL-STD-1517
440		Safety Hazard Level Code	MIL-STD-1388
441		Safety Level	D062
442	069	Same as PLISN-SPLISN	MIL-STD-1552A
443		Second Additional Category Code - CC	MIL-STD-1552A
444		Second Additional Format Code - FC	MIL-STD-1552A
445		Second Additional Reference FSCM	MIL-STD-1552A

Table 3-A

PROVISIONING DATA ELEMENT STATUS
Air Force (Continued)

Number Initial Final		Data Element Name	Justification
446		Second Additional Reference Number	MIL-STD-1552A
447		Second Precedent Category Code - CC	MIL-STD-1552A
448		Second Precedent Format Code - FC	MIL-STD-1552A
449		Second Precedent Reference FSCM	MIL-STD-1552A
450		Second Precedent Reference Number	MIL-STD-1552A
451		Second Precedent Reference Number P/N	MIL-STD-1552A
452		Second Precedent Reference Number Variation Code - RV	MIL-STD-1552A
453		Secondary Inventory Control Activity	AFLCR 77-2
454		Security Classification Group	MIL-STD-1388
455		Security Classification or Pilferage Code	MIL-STD-1388
456		Sequence Line Number	MIL-STD-1388
457		Sequential Task Description	MIL-STD-1388
458		Serial Number	NC Number
459	070	Serial Number Effectivity From	MIL-STD-1552A
460	071	Serial Number Effectivity To	MIL-STD-1552A
461		Service Designator Code	MIL-STD-1388
462		Service Item Control Center	AFLCR 77-2
463		Service Life	MIL-STD-1517
464	072	Shelf Life Code - SL	MIL-STD-1552A
465		Single/Multiple Output Code	DI-V-7016D
466		Skill Level Code	MIL-STD-1388
467		Skill Specialty Code	MIL-STD-1388
468		Skill Specialty Evaluation Code	MIL-STD-1388
469		SM/EAIM/ALC Provisioning Office	AFLC 65-33
470	073	Source Maintenance Recoverability Code - SMR	MIL-STD-1552A
471		Source of Supply Code	DoD 4100.39-M
472		Source of Supply Modifier	AFLCR 77-2
473		Source Reference Code	D062
474		Spare Major Component Requirement	Prog. Checklist

Table 3-A

PROVISIONING DATA ELEMENT STATUS
Air Force (Continued)

Number Initial Final		Data Element Name	Justification
475	074	Special Handling Code	MIL-STD-1552A
476	075	Special Item Code - SI	Addendum
477		Special Maintenance Category Code	MIL-STD-1552A
478		Special Material Content Code	MIL-STD-1552A
479		Specification Range or Specific Value of Readout(s)	MIL-STD-1388
480		Specification Tolerance(s) of Readout(s)	MIL-STD-1388
481		Specification Type of Readout(s)	MIL-STD-1388
482		Standard Part	MIL-STD-965
483		Standard Price	AF 86
484		Statistical Indicator Code	DI-V-7016D
485		Stock Fund EOQ Item	D062
486		Stock Record Account Record - SRAN	AFLCR 65-5
487		Subcontract Line Item Number	D220
488		Subgroup Code	D062
489	076	Submission Control Code - SCC	MIL-STD-1552A
490		Submitter's Control Number	DI-V-7016D
491		Subpage Number	D220
492	077	Substitute MMAC	Addendum
493	078	Substitute National Stock Number	Addendum
494		Suffix Code	AFLC 65-33
495		Supplemental PIIN-SPIIN	MIL-STD-1552A
496		Supply Management Grouping Code	AF 86
497		Support and Test Equipment or Training Material Characteristics	MIL-STD-1388
498		Support and Test Equipment or Training Material Description & Function	MIL-STD-1388
499		Support and Test Equipment or Training Material Unit Cost	MIL-STD-1388
500		Support and Test Equipment Requirements Code	MIL-STD-1388
501		Suspended Item	D062

Table 3-A

PROVISIONING DATA ELEMENT STATUS
Air Force (Continued)

Number Initial Final		Data Element Name	Justification
502		Suspense (days)	AFLC 65-33
503		System/End Item Manager	D220
504		System Support Manager	NC Number
505		Table of Allowance Numbers	AF 86
506		Tape Indicator	AFLC 65-33
507		Task Code	MIL-STD-1388
508		Task Frequency	MIL-STD-1388
509		Task Function Code	MIL-STD-1388
510		Task Identification	MIL-STD-1388
511		Task Interval Code	MIL-STD-1388
512		Task Sequence Code	MIL-STD-1388
513		Task Sequence Suffix Code	MIL-STD-1388
514		Technical Data Justification Code	DoD 4140.26-M
515		Technical Order Item Manager	AFLCR 77-2
516		Technical Review Required	AFLC 65-33
517		Termination Level	D062
518		Test Sites	Prog. Checklist
519		Time Between Overhauls	Prog. Checklist
520		Tool Requirement Code	MIL-STD-1388
521		Total Annual Demand	AFLCR 57-27
522		Total Due In Assets	D062
523		Total Elapsed Task Time	MIL-STD-1388
524	079	Total Item Changes	MIL-STD-1552A
525		Total Operational Hours	Prog. Checklist
526	080	Total Quantity Recommended - QTY-REC	MIL-STD-1552A
527		Training Material Requirement Code	MIL-STD-1388
528		TRC Spares Required	Prog. Checklist
529		Type Computation Code	D062
530	081	Type of Change Code - TOCC	Addendum
531		Type of Construction	MIL-STD-1388
532	082	Type of Item Code - T/C	MIL-STD-1552A

Table 3-A

PROVISIONING DATA ELEMENT STATUS
Air Force (Continued)

Number Initial Final		Data Element Name	Justification
533		Type, Model, Series Designator	MIL-STD-1388
534		Type of Procurement Instrument Code	NC Number
535		Type of Program Code	AFLCR 67-8
536		Type of Screening Code	DI-V-7016D
537		Type Processing Code	AFLC 65-33
538		Type PTD	D220
539		Unit of Issue Conversion Factor	AF 86
540	083	Unit of Measure (UM)/Unit of Issue (UI)	MIL-STD-1552A
541	084	Unit Price	MIL-STD-1552A
542		Unit Price Code	D062
543		Urgency Justification Code	D062
544	085	Usable on Code	MIL-STD-1552A
545		Use Until Exhausted Code	D062
546		Used On	AF 86
547		Utilities Requirements	MIL-STD-1388
548		Utilization Period	Prog. Checklist
549		Variable Count Tape Input	MIL-STD-1552A
550		Variable Identification	MIL-STD-1552A
551		Volume	MIL-STD-1388
552		Weapons System Code	DoD 4140.26-M
553		Wearout Percent	AFLCR 57-27
554		Wearout Rate	AFLCR 57-27
555		Weight	MIL-STD-1388
556		Width	MIL-STD-1388
557		WIMM/CIMM Code	AAT
558		Work Area Code	MIL-STD-1388
559		Work Breakdown Structure	MIL-STD-1388
560	086	Work Unit Code - WUC	Addendum
561		WRM Reorder Level	D062
562		WRM Termination Level	D062
563		Year	D220

2. Data Element Status (continued)

b. Commercial provisioning data is similarly depicted in Table 3-B. The candidate data collected from USAir policy and procedural entities was restricted to data identified in the World Airline Suppliers' Guide and Air Transport Association of America documentation to conform with the Air Force element selection.

Table 3-B

PROVISIONING DATA ELEMENT STATUS
Commercial

Number Initial Final		Data Element Name	Justification
001	001	Addition, Deletion or Change of P/N	ATA 200
002	002	Additional Nomenclature	ATA 200
003		Alternate Class Control Number	USAir Provisioning
004	003	Alternate Part Number	ATA 200
005		Application of FSCM to Standard Item	ATA 200
006		Average Price	USAir Procurement
007		Cancellation Date	USAir Investment
008	004	Catalog Sequence Number	ATA 200
009		Category One Container P/N	ATA 200
010	005	Change Code	ATA 200
011		Chapter/Subchapter	USAir Cross Ref.
012		Class Control Number	USAir Provisioning
013		Classification Code	USAir Provisioning
014		Closure Data	USAir Investment
015		Completion Status	USAir Investment
016		Condition Effect Code	USAir Provisioning
017	006	Control Specification and/or Drawing	ATA 200
018		Conversion Factor	USAir Procurement
019		Cross Reference P/N to Standard Number	ATA 100
020	007	Currency Code	ATA 200
021	008	Customer	ATA 200
022	009	Discount	ATA 200
023		Discount Percent	USAir Investment
024		Document Number	USAir Provisioning
025		Document Type	USAir Provisioning
026		Economic Order Quantity	USAir Procurement
027	010	Effective Date	ATA 200
028	011	Effectivity	ATA 200
029	012	End Item Manufacturing Code	ATA 200
030	013	End Item Part Number	ATA 200

Table 3-B

PROVISIONING DATA ELEMENT STATUS
Commercial (Continued)

Number Initial Final		Data Element Name	Justification
031	014	Engine Level Maintenance	ATA 200
032		Equipment Identification	ATA 100
033	015	Essentiality Code	ATA 200
034	016	Explanation Code	ATA 200
035	017	File Identifier	ATA 200
036	018	Forecasting Model Identifier	ATA 200
037	019	Hazardous Material	EC 32 ATA 200
038		Item Name	USAir Cross Ref.
039		Item Name Abbreviation	USAir Cross Ref.
040		Item Number	ATA 200
041		Item Number Variant	ATA 200
042		Journal Date	USAir Investment
043	020	Keyword	ATA 200
044		Lack of Manufacturing P/N	ATA 200
045	021	Lead Time	ATA 200
046		List Price	USAir Procurement
047	022	Local Fabrication	ATA 200
048	023	Maintenance and Overhaul	ATA 200
049	024	Maintenance Percentage	ATA 200
050	025	Manufacturer	ATA 200
051	026	Manufacturer Code Change	ATA 200
052		Manufacturer Part Number	USAir Provisioning
053		Material Code	ATA 100
054		Minimum Item Amount	USAir Procurement
055		Minimum Ord'r Amount	USAir Procurement
056	027	Minimum Sales Quantity	ATA 200
057		Miscellaneous Data	ATA 200
058	028	Model Identification	ATA 200
059		Net Price	USAir Investment
060		Next Higher Assembly	USAir Provisioning

Table 3-B

PROVISIONING DATA ELEMENT STATUS
Commercial (Continued)

Number Initial Final		Data Element Name	Justification
061	029	Nomenclature	ATA 100
062	030	Optional Part Numbers	ATA 200
063		Optional Vendors	ATA 200
064		Order Date	USAir Investment
065		Order Quantity	USAir Provisioning
066		Organization Code	USAir Provisioning
067	031	Overlength Part Number	ATA 200
068		Overflow Indicator	ATA 200
069		Packaging Code	USAir Cross Ref.
070		Packaging Method	USAir Cross Ref.
071	032	Part Number	ATA 200
072	033	Part Number Change	ATA 200
073		Part Number Fabricated from Commercial Items	ATA 200
074		Payment Terms	USAir Investment
075	034	Pool Item Candidate	ATA 200
076		Preferred Spare Part	ATA 200
077		Price Break Data	ATA 200
078	035	Price Condition	ATA 200
079	036	Price Type	ATA 200
080		Prime Vendor	USAir Procurement
081		Prime Vendor FSC	USAir Procurement
082		Prime Vendor Unit of Purchase	USAir Procurement
083		Prime/Multiple Indicator	USAir Procurement
084	037	Proprietary Code	ATA 200
085		Purchase Order Number	USAir Procurement
086		Purchase Order Type	USAir Procurement
087		Purchase History	USAir Procurement
088	038	Reason for Selection	ATA 200
089	039	Recommended Quantity	ATA 200
090	040	Record Type	ATA 200

Table 3-B

PROVISIONING DATA ELEMENT STATUS
Commercial (Continued)

Number Initial Final		Data Element Name	Justification
091		Recoverability Code	USAir Provisioning
092		Receipt Date	USAir Provisioning
093		Received Quantity	USAir Investment
094		Receiving Entity	USAir Procurement
095		Reference Designation	ATA 200
096	041	Refundable Charge	ATA 200
097	042	Remarks	ATA 200
098		Removal and Consumption Rate	ATA 200
099	043	Removal Rate Indicator	ATA 200
100		Reported to Cash Flow/Investment	USAir Investment
101		Required Date	USAir Provisioning
102	044	Scrap Rate	ATA 200
103	045	Select from Identifier	ATA 200
104	046	Select Item Reference	ATA 200
105	047	Sequence Number	ATA 200
106		Source Maintenance Recoverability Scrap Code	USAir Provisioning
107	048	Spare Parts Classification	ATA 200
108	049	Special Charges	ATA 200
109	050	Split Effectivity	ATA 200
110	051	Standard Package	ATA 200
111	052	Standard Parts Indicator	ATA 200
112		Stock Number	ATA 100
113		Stock Item Description	USAir Cross Ref.
114		Stock Item Description Key	USAir Cross Ref.
115	053	Storage Condition	ATA 200
116	054	Text	ATA 200
117	055	Text Counter	ATA 200
118	056	Time Cycle Between Shop Visits	ATA 200
119	057	Time Cycle Between Overhaul	ATA 200
120	058	Time/Cycle Indicator	ATA 200

Table 3-B

PROVISIONING DATA ELEMENT STATUS
Commercial (Continued)

Number		Data Element Name	Justification
Initial	Final		
121	059	Total Quantity	ATA 200
122	060	Total Records	ATA 200
123		Total Required	ATA 100
124	061	Transmission Date	ATA 200
125	062	Transmission Sequence	ATA 200
126	063	Transmitter of Data	ATA 200
127	064	Unit	ATA 200
128		Unit of Issue	USAir Provisioning
129	065	Unit of Measure Clarification	ATA 200
130		Unit of Purchase	USAir Procurement
131	066	Units per Assembly	ATA 200
132	067	Unit Price	ATA 200
133		Unit or Assembly	ATA 200
134	068	Unscheduled Removal Rate	ATA 200
135	069	Used on Reference	ATA 200
136		Vendor Address	USAir Procurement
137		Vendor Lead Time	USAir Provisioning

4. Data Disposition

a. Air Force provisioning data elements are presented according to their relation to selected ATA elements in Table 4-A. Results achieved by the Provisioning Initiative Activity (PIA) "mock" provisioning effort are extended from MIL-STD-1552 to incorporate MIL-STD-1552A, the Addendum and updated ATA provisioning documents.

Table 4-A

PROVISIONING DATA DISPOSITION
Air Force

Number	Air Force Element	Disposition*		ATA Data Element
		Mock	USAir	
001	Automatic Data Processing Code	—	AF	
002	Base Condemnation Percent	—	S	Scrap Rate
003	Card Format Identifier	—	AF	
004	Card Sequence Number	—	AF	
005	Change Authority Number	C	C	Change Code
006	Contractor Turn Around Time	AF	AF	
007	Control Data	—	AF	
008	Date List Submitted	—	S	Transmission Date
009	Delivery Schedule	—	AF	
010	Demilitarization Code	—	AF	
011	Depot Condemnation Percent	—	S	Scrap Rate
012	Document Availability Code	—	AF	
013	Drawing Status Code	—	S	Control Specification and/ or Drawing
014	Essentiality Code	S	S	Essentiality Code
015	Exhibit Line Item Number-ELIN	—	AF	
016	Extended Remarks	—	C	Remarks
017	Failure Factor I	S	S	Removal Rate Indicator
		S	S	Unscheduled Removal Rate
018	Failure Factor II, Overhaul Replacement Percentage	S	S	Time Cycle Between Overhaul
019	Failure Factor III, Not Repairable This Station (NRTS)	S	AF	
020	Federal Supply Code for Manufacturers - FSCM	C	C	Manufacturer
021	Indenture	C	S	Explanation Code
022	Initial Supply and/or Other Support List	—	AF	

*C - Denotes ATA compatible, S - similar, and AF - a data element unique to Air Force.

Table 4-A

PROVISIONING DATA DISPOSITION
Air Force (Continued)

Number	Air Force Element	Disposition		ATA Data Element
		Mock	USAir	
023	Interchangeability Code	S	S	Part Number Change
		S	S	Explanation Codes 01, 02, 03, 06, and 07
024	Item Management Code	—	AF	
025	Item Name	S	S	Explanation Code
		S	S	Keyword
026	Long Reference Part Number Code	S	S	Overlength Part Number
027	Maintenance Action Code	AF	AF	
—	Maintenance and Overhaul Codes	S	Deleted	
028	Maintenance Task Distribution	AF	AF	
029	Major Organizational Entity - MOE	—	AF	
030	Manufacturers Part Number	C	C	Part Number
031	Material Management Aggregation Code - MMAC	—	AF	
032	Maximum Allowable Operating Time	S	S	Time Cycle Between Overhaul
033	Method of Support Code - MOS	—	AF	
034	Method of Support Modifier	—	AF	
—	Miscellaneous Action Code	AF	Deleted	
035	Mission Item Essentiality Code	—	AF	
036	Multiple Card Count	—	S	Transmission Sequence
037	National Stock Number - NSN	AF	S	Part Number
038	Next Higher Assembly PLISN	C	C	End Item Part Number
039	Nomenclature/Model/Type Number	—	S	Model Identification
		—	C	Nomenclature
040	Overhaul Quantity	AF	AF	
041	Phased Provisioning Code	AF	AF	
042	Physical Security/Pilferage Code	AF	AF	

Table 4-A

PROVISIONING DATA DISPOSITION
Air Force (Continued)

Number	Air Force Element	Disposition		ATA Data Element
		Mock	USAir	
043	Precious Metal Indicator Code	—	AF	
044	Prime FSCM	C	C	FSCM
045	Primary Inventory Control Activity - PICA	—	AF	
046	Prior Item Provisioning List Item Sequence Number - PLISN	S	S	Catalog Sequence Number
047	Procurement Control Identifier	AF	AF	
048	Procurement Instrument Identification Number - PIIN	—	AF	
049	Production Lead Time	S	AF	
050	Program Parts Selection List Code	—	S	Standard Parts Indicator
051	Prorated from ELIN	—	AF	
052	Prorated Quantity	—	AF	
053	Provisioning Contract Control Number - PCCN	AF	AF	
054	Provisioning List Item Sequence Number - PLISN	AF	S	Catalog Sequence Number
055	Quantity Per Assembly	C	C	Units per Assembly
056	Quantity Per End Item	S	C	Total Quantity
057	Quantity Procured	AF	AF	
058	Quantity Shipped	AF	AF	
059	Quantity Unit Pack	C	C	Standard Package
—	Reason for Selection	S	Deleted	
060	Reference Designation	S	S	Part Number
061	Reference Designation Code	S	S	Explanation Code
062	Reference Designation Overflow Code	S	S	Explanation Code
063	Reference Number Category Code	C	C	Catalog Sequence Number
—	Reference Number Format Code	S	Deleted	

Table 4-A

PROVISIONING DATA DISPOSITION
Air Force (Continued)

Number	Air Force Element	Disposition		ATA Data Element
		Mock	USAir	
064	Reference Number Justification Code	—	AF	
065	Reference Number Variation Code	—	AF	
066	Remarks	C	C	Explanation Code
067	Replaced or Superseding PLISN	C	S	Catalog Sequence Number
068	Requisition Number	—	AF	
069	Same as PLISN	C	S	Part Number
070	Serial Number Effectivity - From	S	S	Effectivity
		S	S	Split Effectivity
071	Serial Number Effectivity - To	S	S	Effectivity
		S	S	Split Effectivity
072	Shelf Life Code	S	S	Storage Condition
073	Source Maintenance Recoverability Code - SMR	S	S	Local Fabrication
		AF	S	Maintenance and Overhaul
		AF	S	Spare Part Classification
—	Spare Parts Classification	S	Deleted	
074	Special Handling Code	AF	AF	
075	Special Item Code	—	AF	
076	Submission Control Code	—	C	Transmission Sequence
077	Substitute MMAC	—	AF	
078	Substitute NSN	—	AF	
079	Total Items Changed	C	AF	
080	Total Quantity Recommended	C	C	Recommended Quantity
081	Type of Change Code	—	S	Change Code
082	Type of Item Code	C	AF	
083	Unit of Measure/Unit of Issue	S	C	Unit
084	Unit Price	C	C	Unit Price
085	Usable on Code	C	S	Effectivity
		S	S	Split Effectivity
086	Work Unit Code	—	S	Catalog Sequence Number

4. Data Disposition (continued)

b. In support of convenient comparisons, PIA results are juxtaposed with WESTEC/USAir element dispositions and the corresponding data elements are identified. Table 4-B provides analogous results alphabetically organized by ATA data element.

Table 4-B

PROVISIONING DATA DISPOSITION
Commercial

Number	ATA Element	Disposition*		Air Force Data Element
		Mock	USAir	
001	Addition, Deletion or Change of P/N	—	ATA	
002	Additional Nomenclature	—	ATA	
003	Alternate Part Number	—	ATA	
004	Catalog Sequence Number	S	S	Prior PLISN
		S	S	Provisioning List Item
		C	S	Sequence Number - PLISN
		—	S	Replaced or Superseding PLISN
005	Change Code	—	S	Work Unit Code
		C	C	Change Authority Number
		—	S	Type of Change Code
006	Control Specification and/or Drawing	—	S	Drawing Status Code
007	Currency Code	—	ATA	
008	Customer	ATA	ATA	
009	Discount	ATA	ATA	
010	Effective Date	ATA	ATA	
011	Effectivity	S	S	Serial Number Effectivity-From
		S	S	Serial Number Effectivity-To
		C	S	Usable on Code
012	End Item Manufacturing Code	—	ATA	
013	End Item Part Number	C	C	Next Higher Assembly PLISN
014	Engine Level Maintenance	ATA	ATA	
015	Essentiality Code	S	S	Essentiality Code

*C - Denotes AF compatible, S - similar, and ATA - a data element unique to ATA.

Table 4-B
PROVISIONING DATA DISPOSITION
Commercial (Continued)

Number	ATA Element	Disposition*		Air Force Data Element
		Mock	USAir	
016	Explanation Code	—	S	Drawing Status Code
		—	C	Extended Remarks Block
		C	S	Indenture
		S	S	Interchangeability Code
		S	S	Item Name
		S	S	Reference Designation Code
		S	S	Reference Designation Overflow Code
017	File Identifier	ATA	ATA	
018	Identifier	ATA	Deleted	
019	Hazardous Material	—	ATA	
020	Keyword	S	S	Item Name
021	Lead time	—	ATA	
022	Local Fabrication	S	S	Source Maintenance Recoverability Code-SMR
023	Maintenance and Overhaul	S	S	SMR
024	Maintenance Percentage	—	ATA	
025	Manufacturer	C	C	FSCM
026	Manufacturing Change Code	—	ATA	
027	Minimum Sales Quantity	—	ATA	
028	Model Identification	—	S	Nomenclature/Model/Type Number
029	Nomenclature	—	C	Nomenclature/Model/Type Number
030	Optional Part Numbers	—	ATA	
031	Overlength Part Number	S	S	Long Reference Part Number Code
032	Part Number	—	S	National Stock Number
		C	C	Manufacturers Part Number
		S	S	Reference Designation
		C	S	Same as PLISN

Table 4-B

PROVISIONING DATA DISPOSITION
Commercial (Continued)

Number	ATA Element	Disposition		Air Force Data Element
		Mock	USAir	
033	Part Number Change	S	S	Interchangeability Code
034	Pool Item Candidate	—	ATA	
035	Price Condition	—	ATA	
036	Price Type	—	ATA	
037	Proprietary Code	ATA	ATA	
038	Reason for Selection	—	ATA	
039	Recommended Quantity	C	C	Total Quantity Recommended
040	Record Type	ATA	ATA	
041	Refundable Charge	—	ATA	
042	Remarks	—	C	Extended Remarks Block
043	Removal Rate Indicator	S	S	Failure Factor I
044	Scrap Rate	—	S	Deport Condemnation Percent
045	Select from Identifier	—	ATA	
046	Select Item Reference	—	ATA	
047	Sequence Number	ATA	ATA	
048	Spare Parts Classification	ATA	S	Source Maintenance Recoverability Code - SMR
049	Special Charges	—	ATA	
050	Split Effectivity	S	S	Serial Number Effective-From
		S	S	Serial Number Effective-To
		C	S	Usable on Code
051	Standard Package	C	C	Quantity Unit Pack
052	Standard Parts Indicator	—	S	Program Parts Selection List Code
053	Storage Condition	S	S	Shelf Life Code
054	Text	—	ATA	
055	Text Counter	—	ATA	

Table 4-B

PROVISIONING DATA DISPOSITION
Commercial (Continued)

Number	ATA Element	Disposition		Air Force Data Element
		Mock	USAir	
056	Time Cycle Between Shop Visits	—	ATA	
057	Time Cycle Between Overhaul	S	S	Failure Factor II, Overhaul Replacement Percentage
		S	S	Maximum Allowable Operating Time
058	Time/Cycle Indicator	ATA	ATA	
059	Total Quantity	S	C	Quantity per End Item
060	Total Records	—	ATA	
061	Transmission Date	—	S	Date List Submitted
062	Transmission Sequence	—	S	Multiple Card Count
		—	C	Submission Control Code
063	Transmitter of Data	—	ATA	
064	Unit	S	C	Unit of Measure
065	Unit of Measure Clarification	—	S	Unit of Measure
066	Units per Assembly	C	C	Quantity per Assembly
067	Unit Price	C	C	Unit Price
068	Unscheduled Removal Rate	S	S	Failure Factor I
069	Used on Reference	C	C	Long Reference Part Number Code

5. Event Matrix Specification

a. Table 5-A specifies each of the 28 Air Force provisioning events according to the disposition status of Table 4-A. Hence, the total data set applicable to event performance is partitioned into four mutually exclusive and exhaustive disposition categories. Air Force data elements determined to be compatible to ATA data are presented under the Compatible AF/ATA column for each Air Force event. Data determined to be potentially compatible with minor revision fall under the similar heading while unique Air Force data, excluding MB data, is listed as Unique AF. Unique Air Force MB elements are presented separately in the final column in order to emphasize their potential importance to the relation between Air Force and ATA provisioning. For instance, while compatible data is already considered to be accommodated by ATA and similar data is judged to be easily compatabilized, unique data supplied by manufacturers to the Air Force may have to be added to ATA in order to accommodate Air Force provisioning requirements. Clearly unique Air Force data used for internal processing (B type) or produced for the manufacture (BM type) is not pertinent to ATA processing. The event set in Table 5-A is organized to represent the Air Force provisioning process from the initial determination of provisioning documentation requirements through the final operational need date.

Table 5-A
EVENT MATRIX SPECIFICATION
Air Force

Number	Event Name	Data Element Disposition				
		Total Data	Compatible AF/ATA	Similar AF/ATA	Unique AF*	Unique MB AF
01	Documentation Requirements	22	2	16	4	--
02	Contract Award	2	--	--	2	--
03	Guidance Conference	59	16	28	15	--
04	Interim Release LLIL	62	16	30	3	13
05	Recommended Items LLIL	62	16	30	3	13
06	Screening	9	3	4	2	--
07	Interchangeability and Substitution	8	3	5	--	--
08	Spares Acquisition Integrated with Production	8	5	1	--	2
09	Provisioning Technical Data	61	15	31	2	13
10	Supplemental Provisioning	14	5	7	2	--
11	Provisioning Conference	63	13	27	16	7
12	Item Cost-Price Review	5	4	1	--	--
13	NC-ND Numbering	8	3	5	--	--
14	Initial Spares Support	27	4	17	3	3
15	Support Equipment Recommendation Data	2	2	--	--	--

*Excluding MB designated data.

Table 5-A

EVENT MATRIX SPECIFICATION
Air Force (Continued)

Number	Event Name	Data Element Disposition				
		Total Data	Compatible AF/ATA	Similar AF/ATA	Unique AF*	Unique MB AF
16	Design Change Notice	61	14	30	2	15
17	Post Conference List	41	6	17	13	5
18	Requirements Determination	48	8	17	13	10
19	Cataloging	25	5	10	7	3
20	Supply Support Request	17	2	9	6	--
21	Provisioned Item Order (PIO)	25	5	7	12	1
22	PIO Funding Requirements	10	3	1	6	--
23	Packaging	5	2	1	1	1
24	Contractor Acceptance/Rejection of Delivery Dates	5	--	--	5	--
25	Spares Pricing	8	3	1	4	--
26	PIO Release	10	3	1	6	--
27	Due-In Asset	9	3	1	5	--
28	Operational Need Date	1	--	--	1	--
	TOTALS	677	161	297	133	86

*Excluding MB designated data.

5. Event Matrix Specification (continued)

b. Analogous commercial results are presented in Table 5-B. Each of 19 provisioning events identified by USAir in their provisioning cycle are specified according to the disposition of provisioning data deemed applicable to event performance. Unique ATA manufacturer data produced for the commercial buyer (MB type) is quantified to support the analysis of its potential relative to Air Force needs. Data determined to be beneficial will be candidate for incorporation within MIL-STD-1552A.

Table 5-B
EVENT MATRIX SPECIFICATION
Commercial

Number	Event Name	Data Element Disposition				
		Total Data	Compatible ATA/AF	Similar ATA/AF	Unique ATA*	Unique MB ATA
01	Purchase Agreement/GTA	--	--	--	--	--
02	Preprovisioning Conference	53	11	22	--	20
03	Long Lead-Time Items	78	15	32	--	31
04	End Item Data	64	12	31	--	21
05	Manufacturers Technical Data	2	--	2	--	--
06	Provisioning Conferences	12	2	6	--	4
07	Revision Service	82	16	32	--	34
08	Forecasting	2		1		1
09	Provisioning Model	32	5	15	--	12
10	Recommended Spare Parts	50	9	19	--	22
11	Screening	12	2	4	--	6
12	Control and Cross Reference	32	7	14	--	11
13	Procurement Budget Review	54	14	15	--	25
14	Purchasing Decision	18	4	4	4	6
15	Purchase Order	25	7	4	5	9
16	Packaging	9	3	3	0	3
17	Cash Flow-Investment	3	1	--	1	1
18	Operational Need Date	--	--	--	--	--
19	Buy Back	17	6	6	1	4
	TOTALS	545	114	210	11	210

*Excluding MB designated data.

6. Event Correspondence

a. Based on the preceeding tabulations regarding the disposition of provisioning data within each of the identified Air Force and commercial provisioning events and on functional event specifications in the final report section, the functional relation of Air Force to commercial events is listed in Table 6-A. Event correspondence indicates events deemed to be functionally equivalent. This efficiently supports comparison and contrast of the Air Force to the commercial method through the identification of unique Air Force events in the context of functionally comparable events. Notice that the event number assigned to corresponding commercial events depicts the position of event performance in the commercial domain. Hence, variations in the sequence of event performance between the two provisioning methods are easily identified.

Table 6-A

EVENT CORRESPONDENCE
Air Force

Number	Air Force Event	Number	Commercial Event
01	Documentation Requirements	--	
02	Contract award	01	Purchase Agreement/GTA
03	Guidance Conference	02	Preprovisioning Conference
04	Interim LLIL	--	
05	Recommended LLIL	03	Long Lead Time Item
06	Screening	11	Screening
07	I & S	11	Screening
08	SAIP	--	
09	Provisioning Technical Data	04	End Item Data
10	SPTD	05	Manufacturers Technical Data
11	Provisioning Conference	06	Provisioning Conference
		08	Forecasting
12	Item Cost-Price Review	13	Procurement Budget Review
13	NC-ND Number	--	
14	Initial Spares Support	--	
15	SERD	--	
16	Design Change Notice	07	Revision Service
17	Post Conference List	--	
18	Requirements Determination	09	Provisioning Model
19	Cataloging	12	Control and Cross Reference
20	Supply Support Request	--	
21	Provisioned Item Order (PIO)	10	Recommended Spare Parts
		14	Purchase Decision
22	PIO Funding	13	Procurement Budget Review
23	Packaging	16	Packaging
24	Delivery Date Acceptance/Rejection	--	
25	Spares Pricing	13	Procurement Budget Review
26	PIO Release	15	Purchase Order
27	Due-In Asset	17	Cash Flow/Investment
28	Operational Need Date	18	Operational Need Date

6. Event Correspondence (continued)

b. Table 6-B provides the results achieved through the correspondence of the 19 commercial provisioning events with the Air Force event set. Notice, as in Table 6-A, the Air Force event number now vividly indicates variations between the performance of the commercial and Air Force provisioning. Furthermore, several discrete Air Force events can be seen as embedded in particular functionally equivalent commercial events.

Table 6-B

EVENT CORRESPONDENCE
Commercial

Number	Commercial Event	Number	Air Force Event
01	Purchase Agreement/GTA	02	Contract Award
02	Preprovisioning Conference	03	Guidance Conference
03	Long Lead Time Item	04	Interim LLIL
		05	Recommended LLIL
04	End Item Data	09	Provisioning Technical Data
05	Manufacturers Technical Data	10	SPTD
06	Provisioning Conference	11	Provisioning Conference
07	Revision Service	16	Design Change Notice
08	Forecasting	11	Provisioning Conference
09	Provisioning Model	18	Requirements Determination
10	Recommended Spare Parts	21	Provisioned Item Order (PIO)
11	Screening	06	Screening
		07	I & S
12	Control and Cross Reference	19	Cataloging
13	Procurement Budget Review	12	Item Cost/Price Review
		22	PIO Funding
		25	Spares Pricing
14	Purchasing Decision	21	Provisioned Item Order
15	Purchase Order	26	PIO Release
16	Packaging	23	Packaging
17	Cash Flow/Investment	27	Due-In Asset
18	Operational Need Date	28	Operational Need Date
19	Buy Back	--	

7. Matrix Element Designation

a. Construction of the fundamental analytic tool of the first study phase, the Provisioning Matrix, required development of symbology capable of conveniently and explicitly representing Air Force and commercial provisioning data applicable to their respective provisioning method. Three initially proposed element designation code symbols, i.e., B, BM and MB have been expanded to encompass 14 symbolic conventions incorporated in the Provisioning Matrix. Each of these 17 element designation codes is defined in Table 7.

Table 7

MATRIX ELEMENT DESIGNATION

Designation Code	Applicable Matrix	Code Definition
B	Event	Buyer Data Element Produced Exclusively for Internal Use Applicable to a Matrix Event
BM	Event	Buyer Data Element Produced for the Manufacturer Applicable to an Event
MB	Event	Manufacturer Data Element Produced for the Buyer Applicable to an Event
MB/ MB	Provisioning	Common Air Force/Commercial Data MB Applicable to an Equivalent Air Force/Commercial Provisioning Event
MB/ BM	Provisioning	Common Air Force/Commercial Data with Air Force MB and Commercial BM Applicable to an Equivalent Event
MB/	Provisioning	Common Air Force/Commercial Data with only Air Force Data MB Applicable to an Event
/	Provisioning	Common Air Force/Commercial Data with only Commercial Data MB Applicable to an Event
MB X	Provisioning	Unique Air Force Data MB Applicable to an Event
X MB	Provisioning	Unique Commercial Data MB Applicable to an Event
BM/ BM	Provisioning	Common Air Force/Commercial Data BM Applicable to an Equivalent Event
BM/ MB	Provisioning	Common Air Force/Commercial Data with Air Force BM and Commercial MB Applicable to an Equivalent Event
BM/	Provisioning	Common Air Force/Commercial Data with only Air Force Data BM Applicable to an Event
/	Provisioning	Common Air Force/Commercial Data with only Commercial Data BM Applicable to an Event

Table 7

MATRIX ELEMENT DESIGNATION (Continued)

Designation Code	Applicable Matrix	Code Definition
BM X	Provisioning	Unique Air Force Data BM Applicable to an Event
X BM	Provisioning	Unique Commercial Data BM Applicable to an Event
B/	Provisioning	Common Air Force/Commercial Data with only Air Force Data B Applicable to an Event
B X	Provisioning	Unique Air Force Data B Applicable to an Event

8. Matrix Data Dependency

a. Provisioning Matrix data dependencies are specified in Table 8. The input/output relations between elements within each of five sets of operationally equivalent data are separately tabulated to correspond to Provisioning Matrix representation. Table 8 specifies data elements applicable to a particular event and through the application of input data either generated or modified in the course of event performance. Dependent or receiving elements are contained in the first three columns following data type, i.e., Element Designation, Element and Event. Input data identified as event input is contained in the final four tabular columns. For example, the first entry of Table 8 represents the dependency of the fifth element in the Control data type, i.e., the MB/MB element, the sixth Screening/Screening event (C5,6) receiving inputs from the fifth control element of the unique interim LLIL event, the Recommended LLIL/Long Lead Time Items, and the Provisioning Technical/End Item Data event.

Table 8

PROVISIONING MATRIX DATA DEPENDENCY

Data Type	Element Designation	Dependent Element	Event	Element	Input Element Event	Element	Event
Control (C)	MB/ MB	C5	6	C5 C5	4 9	C5	5
	MB/ MB	C5	7	C5 C5	4 9	C5	5
	MB/ MB	C5	19	C5 C5	11 9	C5	13
	MB/ MB	C9	6	C9 C9	4 9	C9	5
	MB/ MB	C9	7	C9 C9 C18 C18	4 7 4 9	C9 C9 C18	5 10 5
	MB/ MB	C9	19	C9 C9	11 17	C9	13
	MB/ MB	C10	9	C15 C15	4 9	C15	5
	MB/ MB	C11	9	C5	6	C9	6
	MB/ MB	C11	11	C11	9		
	MB/ MB	C26	9	C15 C15	4 16	C15	5
	MB/ MB	C16	11	C16	9		
	MB/ MB	C18	6	C18 C18	4 9	C18	5
	MB/ MB	C18	7	C18	6		
	MB/ MB	C18	19	C18	11		
	MB/ MB	C20	7	C20 C20	4	C20	5

Table 8

PROVISIONING MATRIX DATA DEPENDENCY (Continued)

Data Type	Element Designation	Dependent Element	Element Event	Element	Input Event	Element	Event
Control (C)	MB/ MB	C20	7	C20	7		
	MB/	C23	4	C23	16		
	MB/ MB	C23	5	C23	16		
	MB/ MB	C23	9	C23	16		
	MB/ MB	C24	4	C15	4		
	MB/ MB	C24	5	C15	5		
	MB/ MB	C24	9	C15	9		
	MB/	C25	4	C15	4	C25	16
	MB/ MB	C25	5	C15	5	C25	16
	MB/ MB	C25	9	C15	9	C25	16
Application (A)	B X	A1	19	A1	11		
	B X	A3	19	A3	11		
	B/ MB	A6	11	A6 A6	4 9	A6	5
	MB/	A7	17	A7	16		
	MB/	A7	18	A7	17		
	MB/	A8	7	A8 A8	4 9	A8	5

Table 8

PROVISIONING MATRIX DATA DEPENDENCY (Continued)

Data Type	Element Designation	Dependent Element	Element Event	Element	Input Element Event	Element	Event
Application (A)	MB/	A8	19	A8	7	A8	11
	MB/	A10	19	A10	4	A10	5
	X			A10	9		
	B	A12	11	A12	4	A12	5
	X			A12	9		
	B	A12	19	A12	11		
	X						
	MB/	A13	7	A13	4	A13	5
Technical (T)	MB/			A13	9		
	MB/	A14	18	A14	11		
	MB/	A15	18	A15	11		
	MB/	A22	19	A22	11		
	X						
	B/	T1	11	T1	4	T1	5
				T1	9		
	B/	T1	18	T1	11		
	MB						
	B/	T3	11	T3	4	T3	5
				T3	9		
	B/	T3	18	T3	11		
	MB						
	B/	T5	11	T5	4	T5	5
				T5	9		
	B/	T7	11	T7	4	T7	5
				T7	9		
	B	T8	11	T8	4	T8	5
	X			T8	9		
	B	T10	14	T10	11		
	X						

Table 8

PROVISIONING MATRIX DATA DEPENDENCY (Continued)

Data Type	Element Designation	Dependent Element	Element Event	Element	Input Element Event	Element	Event
Technical (T)	B X	T11	18	T11	11		
	B X	T15	19	T15	11		
	B X	T16	11	T24	11		
	B X	T16	18	T16	11		
	MB/	T17	11	T17 T17	4 9	T17	5
	B X	T18	18	T18	17		
	B X	T21	19	T21	11		
	B/	T23	11	T23 T23	4 9	T23	5
	B/ MB	T23	19	T23	11		
	B/	T24	11	T24 T24 T3 T7	4 9 11 11	T24 T1 T5 T8	5 11 11 11
	B/ MB	T24	18	T24	11		
	MB/ X	T27	8	T27 T27	4 9	T27	5
Procurement (P)	B X	P12	21	P12	16		
	B X	P13	21	P13	16		

Table 8

PROVISIONING MATRIX DATA DEPENDENCY (Continued)

Data Type	Element Designation	Dependent Element	Event	Element	Input Event	Element	Event
Procurement (P)	B X	P13	27	P15	24		
	MB/ X	P14	18	P14	16		
	B X	P14	27	P14	24		
	MB/	P16	18	P16 P16	4 9	P16	5
	B/ MB	P16	21	P16	18		
	MB/	P20	18	P20 P20	4 9	P20	5
	MB/ MB	P22	12	P22	11		

9. Matrix Data Categories

a. Table 9 summarizes Provisioning Matrix content for the flow of information from the manufacturer to the buyer. The event set in Table 9 is organized to represent the integrated sequence of Air Force and commercial events from the unique Air Force determination of provisioning documentation requirements through the final unique commercial Buy-Back event. These 29 events constitute the horizontal array of the study Provisioning Matrix. Common data is quantified in conjunction with the unique data requirements of the Air Force and commercial methods. Elements are distributed over six manufacturer designation codes in the following order: MB/MB, MB/BM, MB/, /MB, MBX, XMB. The initial MB/MB category represents the condition of maximum commonality between the two provisioning methods, i.e., functionally equivalent events including common data similarly used. MB/BM data is identical to MB/MB with the important exception that commercial provisioning requires information to be provided to the manufacturer. The MB/ code represents functionally equivalent events and common data with exclusive Air Force data usage while /MB denotes the exclusive commercial condition. Unique Air Force data is quantified under the MBX heading while unique commercial data is presented in the final XMB column.

Table 9

PROVISIONING MATRIX DATA CATEGORIES
Manufacturer Data Summary

Number	Event Name	Total Data	Common Data				Unique Data	
			MB/ MB	MB/ BM	MB/ / MB	/ MB	MB X	X MB
01	Documentation Requirements	--						
02	Contract Award/ Purchase Agreement	--						
03	Guidance/Preprovisioning Conference	23	--	--	--	3	--	20
04	Interim LLIL	59	--	--	46	---	13	
05	Recommended LLIL/ Long Lead-Time Items	92	45	--	1	2	13	31
06	Screening/Screening	18	4	--	2	6	--	6
07	I & S/Screening	18	5	--	2	5	--	6
08	SAIP	8	--	--	6	--	2	
09	Provisioning Technical/ End Item Data	81	41	1	4	1	13	21
10	SPTD/Manufacturers Technical Data	13	3	--	9	1		
11	Provisioning Conference/ Conferences/Forecasting	40	5	1	22	--	7	5
12	Item Cost-Price Review/ Procurement Budget Review	54	5	--	--	24	--	25
13	NC-ND Number	8	--	--	8			
14	Initial Spares Support	15	--	--	12	--	3	
15	SERD	2			2			
16	Design Change Notice/ Revision Service	97	44	--	1	3	15	34

Table 9

PROVISIONING MATRIX DATA CATEGORIES
Manufacturer Data Summary (Continued)

Number	Event Name	Total Data	Common Data				Unique Data	
			MB/ MB	MB/ BM	MB/ /	/ MB	MB X	X MB
17	Post Conference List	16	—	—	11	—	5	
18	Requirement Determination/ Provisioning Model	48	1	--	11	14	10	12
19	Cataloging/Control and Cross Reference	36	4	--	5	13	3	11
20	Supply Support Request	8	--	--	8			
21	Provisioned Item Order/ Recommended Spares/ Purchasing Decision	72	9	--	--	34	1	28
22	PIO Funding/ Procurement Budget Review	53	3	--	--	25	--	25
23	Packaging/Packaging	12	--	--	2	6	1	3
24	Delivery Date Acceptance-Rejection	--						
25	Spares Pricing/ Procurement Budget Review	53	2	--	--	26	--	25
26	PIO Release/ Purchase Order	18	4	--	--	5	--	9
27	Due-In Asset/Cash Flow	5	--	--	4	--	--	1
28	Operational Need Date/ Operational Need Date	--						
29	Buy Back	15	--	--	--	11	--	4
	TOTALS	864	175	2	156	179	86	266

9. Matrix Data Categories (continued)

b. The results of Table 9 are separately presented to support analysis within sets of operationally equivalent data termed data types. Table 9-A contains Control type manufacturer data, i.e., data deemed applicable to the control function, Table 9-B, Application; Table 9-C, Technical; Table 9-D, Procurement; and Table 9-E, manufacturer originated Administration data.

Table 9-A

PROVISIONING MATRIX DATA CATEGORIES
Manufacturer Control Data

Number	Event Name	Total Data	Common Data				Unique Data	
			MB/ MB	MB/ BM	MB/ /	/ MB	MB X	X MB
01	Documentation Requirements	--						
02	Contract Award/ Purchase Agreement	--						
03	Guidance/Preprovisioning Conference	10				3		7
04	Interim LLIL	13			12		1	
05	Recommended LLIL/ Long Lead-Time Items	21	12			1	1	7
06	Screening/Screening	15	4		1	4		6
07	I & S/Screening	15	4		1	4		6
08	SAIP	3			3			
09	Provisioning Technical/ End Item Data	21	12	1			1	7
10	SPTD/Manufacturers Technical Data	11	3		7	1		
11	Provisioning Conference/ Conferences/Forecasting	12			12			
12	Item Cost-Price Review/ Procurement Budget Review	20	4			9		7
13	NC-ND Number	7			7			
14	Initial Spares Support	9			9			
15	SERD	2			2			
16	Design Change Notice/ Revision Service	20	12		1			7

Table 9-A

PROVISIONING MATRIX DATA CATEGORIES
Manufacturer Control Data (Continued)

Number	Event Name	Total Data	Common Data				Unique Data	
			MB/ MB	MB/ BM	MB/ / MB	/ MB	MB X	X MB
17	Post Conference List	3			2		1	
18	Requirement Determination/ Provisioning Model	6			2	3	1	
19	Cataloging/Control and Cross Reference	17	4		1	5		7
20	Supply Support Request	7			7			
21	Provisioned Item Order/ Recommended Spares/ Purchasing Decision	20	5			8		7
22	PIO Funding/ Procurement Budget Review	20				13		7
23	Packaging/Packaging	7				5		2
24	Delivery Date Acceptance-Rejection	--						
25	Spares Pricing/ Procurement Budget Review	20				13		7
26	PIO Release/ Purchase Order	9	2			3		4
27	Due-In Asset/Cash Flow	2			2			
28	Operational Need Date/ Operational Need Date	--						
29	Buy Back	12				9		3
	TOTALS	302	62	1	69	81	5	84

Table 9-B

PROVISIONING MATRIX DATA CATEGORIES
Manufacturer Application Data

Number	Event Name	Total Data	Common Data				Unique Data	
			MB/ MB	MB/ BM	MB/ / MB	/ MB	MB X	X MB
01	Documentation Requirements	--						
02	Contract Award/ Purchase Agreement	--						
03	Guidance/Preprovisioning Conference	--						
04	Interim LLIL	15			10		5	
05	Recommended LLIL/ Long Lead-Time Items	17	10			1	5	1
06	Screening/Screening	2			1	1		
07	I & S/Screening	2	1		1			
08	SAIP	--						
09	Provisioning Technical/ End Item Data	17	10			1	5	1
10	SPTD/Manufacturers Technical Data	--						
11	Provisioning Conference/ Conferences/Forecasting	13	5		1		3	4
12	Item Cost-Price Review/ Procurement Budget Review	1				1		
13	NC-ND Number	1			1			
14	Initial Spares Support	1			1			
15	SERD	-						
16	Design Change Notice/ Revision Service	20	10			1	5	4

Table 9-B

PROVISIONING MATRIX DATA CATEGORIES
Manufacturer Application Data (Continued)

Number	Event Name	Total Data	Common Data				Unique Data	
			MB/ MB	MB/ BM	MB/ / MB	/ MB	MB X	X MB
17	Post Conference List	7			6		1	
18	Requirement Determination/ Provisioning Model	8			5	2	1	
19	Cataloging/Control and Cross Reference	13			1	7	2	3
20	Supply Support Request	1			1			
21	Provisioned Item Order/ Recommended Spares/ Purchasing Decision	13	1			9		3
22	PIO Funding/ Procurement Budget Review	1				1		
23	Packaging/Packaging	1					1	
24	Delivery Date Acceptance-Rejection	--						
25	Spares Pricing/ Procurement Budget Review	1				1		
26	PIO Release/ Purchase Order	--						
27	Due-In Asset/Cash Flow	--						
28	Operational Need Date/ Operational Need Date	--						
29	Buy Back	--						
	TOTALS	134	37	--	28	25	28	16

Table 9-C

PROVISIONING MATRIX DATA CATEGORIES
Manufacturer Technical Data

Number	Event Name	Total Data	Common Data				Unique Data	
			MB/ MB	MB/ BM	MB/ / MB	/ MB	MB X	X MB
01	Documentation Requirements	--						
02	Contract Award/ Purchase Agreement	--						
03	Guidance/Preprovisioning Conference	5						5
04	Interim LLIL	14			10		4	
05	Recommended LLIL/ Long Lead-Time Items	19	9		1		4	5
06	Screening/Screening	--						
07	I & S/Screening	--						
08	SAIP	1					1	
09	Provisioning Technical/ End Item Data	18	9				4	5
10	SPTD/Manufacturers Technical Data	--						
11	Provisioning Conference/ Conferences/Forecasting	5			2		3	
12	Item Cost-Price Review/ Procurement Budget Review	1				1		
13	NC-ND Number	--						
14	Initial Spares Support	4			1		3	
15	SERD	--						
16	Design Change Notice/ Revision Service	19	9			1	4	5

Table 9-C

PROVISIONING MATRIX DATA CATEGORIES
Manufacturer Technical Data (Continued)

Number	Event Name	Total Data	Common Data				Unique Data	
			MB/ MB	MB/ BM	MB/ /	/ MB	MB X	X MB
17	Post Conference List	4			1		3	
18	Requirement Determination/ Provisioning Model	8	1				3	4
19	Cataloging/Control and Cross Reference	2					1	1
20	Supply Support Request	--						
21	Provisioned Item Order/ Recommended Spares/ Purchasing Decision	11				7		4
22	PIO Funding/ Procurement Budget Review	1				1		
23	Packaging/Packaging	1						1
24	Delivery Date Acceptance-Rejection	--						
25	Spares Pricing/ Procurement Budget Review	1				1		
26	PIO Release/ Purchase Order	1				1		
27	Due-In Asset/Cash Flow	--						
28	Operational Need Date/ Operational Need Date	--						
29	Buy Back	1				1		
	TOTALS	116	28	--	15	13	30	30

Table 9-D

PROVISIONING MATRIX DATA CATEGORIES
Manufacturer Procurement Data

Number	Event Name	Total Data	Common Data				Unique Data	
			MB/ MB	MB/ BM	MB/ / MB	/ MB	MB X	X MB
01	Documentation Requirements	--						
02	Contract Award/ Purchase Agreement	--						
03	Guidance/Preprovisioning Conference	--						
04	Interim LLIL	5			4		1	
05	Recommended LLIL/ Long Lead-Time Items	15	4				1	10
06	Screening/Screening	--						
07	I & S/Screening	--						
08	SAIP	4			3		1	
09	Provisioning Technical/ End Item Data	5			4		1	
10	SPTD/Manufacturers Technical Data	--						
11	Provisioning Conference/ Conferences/Forecasting	5			4		1	
12	Item Cost-Price Review/ Procurement Budget Review	14	1			3		10
13	NC-ND Number	--						
14	Initial Spares Support	1			1			
15	SERD	--						
16	Design Change Notice/ Revision Service	18	3			1	4	10

Table 9-D

PROVISIONING MATRIX DATA CATEGORIES
Manufacturer Procurement Data (Continued)

Number	Event Name	Total Data	Common Data				Unique Data	
			MB/ MB	MB/ BM	MB/ MB	/ MB	MB X	X MB
17	Post Conference List	2			2			
18	Requirement Determination/ Provisioning Model	9			4		5	
19	Cataloging/Control and Cross Reference	3			3			
20	Supply Support Request	--						
21	Provisioned Item Order/ Recommended Spares/ Purchasing Decision	10	3				1	6
22	PIO Funding/ Procurement Budget Review	13	3					10
23	Packaging/Packaging	2			2			
24	Delivery Date Acceptance-Rejection	--						
25	Spares Pricing/ Procurement Budget Review	13	2			1		10
26	PIO Release/ Purchase Order	7	2					5
27	Due-In Asset/Cash Flow	3			2			1
28	Operational Need Date/ Operational Need Date	--						
29	Buy Back	1						1
	TOTALS	130	18	--	29	5	15	63

Table 9-E

PROVISIONING MATRIX DATA CATEGORIES
Manufacturer Administration Data

Number	Event Name	Total Data	Common Data				Unique Data	
			MB/ MB	MB/ BM	MB/ MB	/ MB	MB X	X MB
01	Documentation Requirements	--						
02	Contract Award/ Purchase Agreement	--						
03	Guidance/Preprovisioning Conference	8						8
04	Interim LLIL	12			10		2	
05	Recommended LLIL/ Long Lead-Time Items	20	10				2	8
06	Screening/Screening	1				1		
07	I & S/Screening	1				1		
08	SAIP	--						
09	Provisioning Technical/ End Item Data	20	10				2	8
10	SPTD/Manufacturers Technical Data	2			2			
11	Provisioning Conference/ Conferences/Forecasting	5		1	3			1
12	Item Cost-Price Review/ Procurement Budget Review	18				10		8
13	NC-ND Number	--						
14	Initial Spares Support	--						
15	SERD	--						
16	Design Change Notice/ Revision Service	20	10				2	8

Table 9-E

PROVISIONING MATRIX DATA CATEGORIES
Manufacturer Administration Data (Continued)

Number	Event Name	Total Data	Common Data				Unique Data	
			MB/ MB	MB/ BM	MB/ /	/ MB	MB X	X MB
17	Post Conference List	--						
18	Requirement Determination/ Provisioning Model	17				9		8
19	Cataloging/Control and Cross Reference	1				1		
20	Supply Support Request	--						
21	Provisioned Item Order/ Recommended Spares/ Purchasing Decision	18				10		8
22	PIO Funding/ Procurement Budget Review	18				10		8
23	Packaging/Packaging	1				1		
24	Delivery Date Acceptance-Rejection	--						
25	Spares Pricing/ Procurement Budget Review	18				10		8
26	PIO Release/ Purchase Order	1				1		
27	Due-In Asset/Cash Flow	--						
28	Operational Need Date/ Operational Need Date	--						
29	Buy Back	1				1		
	TOTALS	182	30	1	15	55	8	73

9. Matrix Data Categories (continued)

c. Table 10 represents the analogue of Table 9 for buyer generated provisioning data. In this case elements are distributed over buyer designation codes listed in the following order: BM/BM, BM/MB, BM/, /BM, B/, BMX, BX, XBM. Once again the initial BM/BM category depicts the condition of maximum commonality between the two provisioning methods. However, BM/MB data represents an important distinction between methods, i.e., the Air Force is producing while commercial provisioning is receiving manufacturer data. The remaining data categories are analagous to those of Table 9 with the exception of the B/ and BX categories. These represent Air Force provisioning activity in addition to the commercial method in functionally equivalent as well as unique Air Force events.

Table 10

PROVISIONING MATRIX DATA CATEGORIES
Buyer Data Summary

Number	Event Name	Total Data	Common Data				Unique Data		
			BM/ BM	BM/ MB	BM/ / BM	B/ B/	BM X	B X	X BM
01	Documentation Requirements	22					18		4
02	Contract Award/ Purchase Agreement	2						2	
03	Guidance/Preprovisioning Conference	59		30	14			15	
04	Interim LLIL	3						3	
05	Recommended LLIL/ Long Lead-Time Items	3						3	
06	Screening/Screening	3		1					2
07	I & S/Screening	1		1					
08	SAIP	--							
09	Provisioning Technical/ End Item Data	2						2	
10	SPTD/Manufacturers Technical Data	3					1	2	
11	Provisioning Conference/ Conferences/Forecasting	28	4				8	2	14
12	Item Cost-Price Review/ Procurement Budget Review	--							
13	NC-ND Number	--							
14	Initial Spares Support	12					9		3
15	SERD	--							
16	Design Change Notice/ Revision Service	2						2	

Table 10

PROVISIONING MATRIX DATA CATEGORIES
Buyer Data Summary (Continued)

Number	Event Name	Total Data	Common Data					Unique Data		
			BM/ BM	BM/ MB	BM/ / BM	B/	BM X	B X	X BM	
17	Post Conference List	25					12		13	
18	Requirement Determination/ Provisioning Model	25		6			6	1	12	
19	Cataloging/Control and Cross Reference	13	1	3			2		7	
20	Supply Support Request	9					3		6	
21	Provisioned Item Order/ Recommended Spares/ Purchasing Decision	20		2			2	1	11	4
22	PIO Funding/ Procurement Budget Review	7		1					6	
23	Packaging/Packaging	2					1		1	
24	Delivery Date Acceptance-Rejection	5							5	
25	Spares Pricing/ Procurement Budget Review	5		1					4	
26	PIO Release/ Purchase Order	13				2			6	5
27	Due-In Asset/Cash Flow	7				1			5	1
28	Operational Need Date/ Operational Need Date	1						1		
29	Buy Back	2				1				1
	TOTALS	274	5	45	14	4	62	34	99	11

9. Matrix Data Categories (continued)

d. The summary results of Table 10 are partitioned over each of the 5 operational data types of the Table 9 series, i.e., Table 10-A, Control; Table 10-B, Application; Table 10-C, Technical; Table 10-D, Procurement, and Table 10-E, the buyer originated Administration data.

Table 10-A

PROVISIONING MATRIX DATA CATEGORIES
Buyer Control Data

Number	Event Name	Total Data	Common Data					Unique Data		
			BM/ BM	BM/ MB	BM/ / BM	B/	BM X	B X	X BM	
01	Documentation Requirements	--								
02	Contract Award/ Purchase Agreement	2						2		
03	Guidance/Preprovisioning Conference	11		10				1		
04	Interim LLIL	2						2		
05	Recommended LLIL/ Long Lead-Time Items	2						2		
06	Screening/Screening	3		1					2	
07	I & S/Screening	1		1						
08	SAIP	--								
09	Provisioning Technical/ End Item Data	2						2		
10	SPTD/Manufacturers Technical Data	2						2		
11	Provisioning Conference/ Conferences/Forecasting	2						2		
12	Item Cost-Price Review/ Procurement Budget Review	--								
13	NC-ND Number	--								
14	Initial Spares Support	--								
15	SERD	--								
16	Design Change Notice/ Revision Service	2						2		

Table 10-A

PROVISIONING MATRIX DATA CATEGORIES
Buyer Control Data (Continued)

Number	Event Name	Total Data	Common Data					Unique Data		
			BM/ BM	BM/ MB	BM/ / BM	B/	BM X	B X	X BM	
17	Post Conference List	--								
18	Requirement Determination/ Provisioning Model	1						1		
19	Cataloging/Control and Cross Reference	3	1						2	
20	Supply Support Request	--								
21	Provisioned Item Order/ Recommended Spares/ Purchasing Decision	1						1		
22	PIO Funding/ Procurement Budget Review	--								
23	Packaging/Packaging	--								
24	Delivery Date Acceptance-Rejection	--								
25	Spares Pricing/ Procurement Budget Review	--								
26	PIO Release/ Purchase Order	--								
27	Due-In Asset/Cash Flow	--								
28	Operational Need Date/ Operational Need Date	--								
29	Buy Back	--								
	TOTALS	34	1	12	--	--	--	17	4	--

Table 10-B

PROVISIONING MATRIX DATA CATEGORIES
Buyer Application Data

Number	Event Name	Total Data	Common Data					Unique Data		
			BM/ BM	BM/ MB	BM/ / BM	B/ BM	B/ BM	BM X	B X	X BM
01	Documentation Requirements	9					9			
02	Contract Award/ Purchase Agreement	--								
03	Guidance/Preprovisioning Conference	16		2	8			6		
04	Interim LLIL	1						1		
05	Recommended LLIL/ Long Lead-Time Items	1						1		
06	Screening/Screening	--								
07	I & S/Screening	--								
08	SAIP	--								
09	Provisioning Technical/ End Item Data	--								
10	SPTD/Manufacturers Technical Data	1					1			
11	Provisioning Conference/ Conferences/Forecasting	9	4						5	
12	Item Cost-Price Review/ Procurement Budget Review	--								
13	NC-ND Number	--								
14	Initial Spares Support	2					2			
15	SERD	--								
16	Design Change Notice/ Revision Service	--								

Table 10-B

PROVISIONING MATRIX DATA CATEGORIES
Buyer Application Data (Continued)

Number	Event Name	Total Data	Common Data					Unique Data		
			BM/ BM	BM/ MB	BM/ / BM	/ BM	B/ BM	BM X	B X	X BM
17	Post Conference List	5					3		2	
18	Requirement Determination/ Provisioning Model	5					3		2	
19	Cataloging/Control and Cross Reference	5		1			1		3	
20	Supply Support Request	2					1		1	
21	Provisioned Item Order/ Recommended Spares/ Purchasing Decision	1					1			
22	PIO Funding/ Procurement Budget Review	--								
23	Packaging/Packaging	1							1	
24	Delivery Date Acceptance-Rejection	--								
25	Spares Pricing/ Procurement Budget Review	--								
26	PIO Release/ Purchase Order	--								
27	Due-In Asset/Cash Flow	--								
28	Operational Need Date/ Operational Need Date	1						1		
29	Buy Back	--								
	TOTALS	59	4	3	8	--	21	10	13	--

Table 10-C

PROVISIONING MATRIX DATA CATEGORIES
Buyer Technical Data

Number	Event Name	Total Data	Common Data				Unique Data		
			BM/ BM	BM/ MB	BM/ / BM	B/	BM X	B X	X BM
01	Documentation Requirements	13				9		4	
02	Contract Award/ Purchase Agreement	--							
03	Guidance/Preprovisioning Conference	15		8	2		5		
04	Interim LLIL	--							
05	Recommended LLIL/ Long Lead-Time Items	--							
06	Screening/Screening	--							
07	I & S/Screening	--							
08	SAIP	--							
09	Provisioning Technical/ End Item Data	--							
10	SPTD/Manufacturers Technical Data	--							
11	Provisioning Conference/ Conferences/Forecasting	17				8		9	
12	Item Cost-Price Review/ Procurement Budget Review	--							
13	NC-ND Number	--							
14	Initial Spares Support	10				7		3	
15	SERD	--							
16	Design Change Notice/ Revision Service	--							

Table 10-C

PROVISIONING MATRIX DATA CATEGORIES
Buyer Technical Data (Continued)

Number	Event Name	Total Data	Common Data					Unique Data		
			BM/ BM	BM/ MB	BM/ / BM	B/	BM X	B X	X BM	
17	Post Conference List	20					9		11	
18	Requirement Determination/ Provisioning Model	19		6			3		10	
19	Cataloging/Control and Cross Reference	5		2			1		2	
20	Supply Support Request	7					2		5	
21	Provisioned Item Order/ Recommended Spares/ Purchasing Decision	7		1			1		5	
22	PIO Funding/ Procurement Budget Review	--								
23	Packaging/Packaging	--								
24	Delivery Date Acceptance-Rejection	--								
25	Spares Pricing/ Procurement Budget Review	--								
26	PIO Release/ Purchase Order	--								
27	Due-In Asset/Cash Flow	--								
28	Operational Need Date/ Operational Need Date	--								
29	Buy Back	--								
	TOTALS	113	--	17	2	--	40	5	49	--

Table 10-D

PROVISIONING MATRIX DATA CATEGORIES
Buyer Procurement Data

Number	Event Name	Total Data	Common Data					Unique Data		
			BM/ BM	BM/ MB	BM/ / BM	B/ BM		BM X	B X	X BM
01	Documentation Requirements	--								
02	Contract Award/ Purchase Agreement	--								
03	Guidance/Preprovisioning Conference	5			4			1		
04	Interim LLIL	--								
05	Recommended LLIL/ Long Lead-Time Items	--								
06	Screening/Screening	--								
07	I & S/Screening	--								
08	SAIP	--								
09	Provisioning Technical/ End Item Data	--								
10	SPTD/Manufacturers Technical Data	--								
11	Provisioning Conference/ Conferences/Forecasting	--								
12	Item Cost-Price Review/ Procurement Budget Review	--								
13	NC-ND Number	--								
14	Initial Spares Support	--								
15	SERD	--								
16	Design Change Notice/ Revision Service	--								

Table 10-D

PROVISIONING MATRIX DATA CATEGORIES
Buyer Procurement Data (Continued)

Number	Event Name	Total Data	Common Data					Unique Data		
			BM/ BM	BM/ MB	BM/ / BM	B/ BM	B/ BM	BM X	B X	X BM
17	Post Conference List	--								
18	Requirement Determination/ Provisioning Model	--								
19	Cataloging/Control and Cross Reference	--								
20	Supply Support Request	--								
21	Provisioned Item Order/ Recommended Spares/ Purchasing Decision	11		1					6	4
22	PIO Funding/ Procurement Budget Review	7		1					6	
23	Packaging/Packaging	1					1			
24	Delivery Date Acceptance-Rejection	5							5	
25	Spares Pricing/ Procurement Budget Review	5		1					4	
26	PIO Release/ Purchase Order	13				2			6	5
27	Due-In Asset/Cash Flow	7				1			5	1
28	Operational Need Date/ Operational Need Date	--								
29	Buy Back	2				1				1
	TOTALS	56	--	3	4	4	1	1	32	11

Table 10-E

PROVISIONING MATRIX DATA CATEGORIES
Buyer Administrative Data

Number	Event Name	Total Data	Common Data					Unique Data		
			BM/ BM	BM/ MB	BM/ / BM	B/	BM X	B X	X BM	
01	Documentation Requirements	--								
02	Contract Award/ Purchase Agreement	--								
03	Guidance/Preprovisioning Conference	12		10				2		
04	Interim LLIL	--								
05	Recommended LLIL/ Long Lead-Time Items	--								
06	Screening/Screening	--								
07	I & S/Screening	--								
08	SAIP	--								
09	Provisioning Technical/ End Item Data	--								
10	SPTD/Manufacturers Technical Data	--								
11	Provisioning Conference/ Conferences/Forecasting	--								
12	Item Cost-Price Review/ Procurement Budget Review	--								
13	NC-ND Number	--								
14	Initial Spares Support	--								
15	SERD	--								
16	Design Change Notice/ Revision Service	--								

Table 10-E

PROVISIONING MATRIX DATA CATEGORIES
Buyer Administrative Data (Continued)

Number	Event Name	Total Data	Common Data					Unique Data		
			BM/ BM	BM/ MB	BM/ / BM	B/	BM X	B X	X BM	
17	Post Conference List	--								
18	Requirement Determination/ Provisioning Model	--								
19	Cataloging/Control and Cross Reference	--								
20	Supply Support Request	--								
21	Provisioned Item Order/ Recommended Spares/ Purchasing Decision	--								
22	PIO Funding/ Procurement Budget Review	--								
23	Packaging/Packaging	--								
24	Delivery Date Acceptance-Rejection	--								
25	Spares Pricing/ Procurement Budget Review	--								
26	PIO Release/ Purchase Order	--								
27	Due-In Asset/Cash Flow	--								
28	Operational Need Date/ Operational Need Date	--								
29	Buy Back	--								
	TOTALS	12	--	10	--	--	--	2		

10. Matrix Specification

a. Table 11 specified each of the 29 integrated Air Force and commercial Provisioning Matrix events according to data element compatibility, similarity and uniqueness. Compatible Air Force and commercial data elements are quantified in conjunction with data determined to be potentially compatible following minor revision such as conversion. Unique data within each of the integrated Provisioning Matrix events is separately tabulated according to its data designation. Data flowing from the manufacturer to the buyer (MB) is listed to support analysis directed toward bridging the gaps between ATA and Air Force provisioning. Hence, unique Air Force and ATA elements are quantified for MB designated data as well as buyer data in the final columns of Table 11.

Table 11
PROVISIONING MATRIX SPECIFICATION
Summary

Number	Event Name	Total	Com- patible	Data Element Disposition Similar	Unique*			
					AF	ATA	Unique MB AF	ATA
01	Documentation Require- ments	22	2	16	4	--	--	--
02	Contract Award/Pur- chase Agreement	2	--	--	2	--	--	--
03	Guidance/Preprovisioning Conference	82	16	31	15	--	--	20
04	Interim LLIL	62	16	30	3	--	13	--
05	Recommended LLIL/Long Lead-Time Items	95	16	32	3	--	13	31
06	Screening/Screening	21	4	9	2	--	--	6
07	I&S/Screening	19	4	9	--	--	--	6
08	SAIP	8	5	1	--	--	2	--
09	Provisioning Technical/ End Item Data	83	15	32	2	--	13	21
10	SPTD/Manufacturers Technical Data	16	5	9	2	--	--	--
11	Provisioning Conference/ Conferences/Forecasting	68	13	27	16	--	7	5
12	Item Cost Price Review/ Procurement Budget Review	54	14	15	--	--	--	25
13	NC-ND Number	8	3	5	--	--	--	--
14	Initial Spares Support	27	4	17	3	--	3	--
15	SERD	2	2	--	--	--	--	--

*Excluding Unique MB Elements

Table 11

PROVISIONING MATRIX SPECIFICATION
Summary (Continued)

Number	Event Name	Total	Com- patible	Data Element Disposition Similar	Unique			
					AF	ATA	Unique MB AF	ATA
16	Design Change Notice/ Revision Service	99	16	32	2	--	15	34
17	Post Conference List	41	6	17	13	--	5	--
18	Requirements Determination/Provisioning Model	73	13	25	13	--	10	12
19	Cataloging/Control and Cross Reference	49	9	19	7	--	3	11
20	Supply Support Request	17	2	9	6	--	--	--
21	Provisioning Item Order/ Recommended Spares/ Purchasing Decision	92	16	31	12	4	1	28
22	PIO Funding/Procurement Budget Review	60	14	15	6	--	--	25
23	Packaging/Packaging	14	5	4	1	--	1	3
24	Delivery Date Acceptance-Rejection	5	--	--	5	--	--	--
25	Spares Pricing/Procurement Budget Review	58	14	15	4	--	--	25
26	PIO Release/ Purchase Order	31	7	4	6	5	--	9
27	Due-In Assets/Cash Flow	12	4	1	5	1	--	1
28	Operational Need Date/ Operational Need Date	1	--	--	1	--	--	--
29	Buy Back	17	6	6	--	1	--	4
	TOTALS	1138	231	411	133	11	86	266

10. Matrix Specification (continued)

b. Results summarized in Table 11 are separated into each of the 5 sets of operationally equivalent data or data types as follows: Table 11-A, Control data; Table 11-B, Application; Table 11-C, Technical; Table 11-D, Procurement, and Table 11-E, operationally equivalent Administration data.

Table 11-A

PROVISIONING MATRIX SPECIFICATION
Control Data Type

Number	Event Name	Total	Data Element Disposition					
			Com- patible	Similar	Unique		Unique MB	
					AF	ATA	AF	ATA
01	Documentation Requirements	--						
02	Contract Award/Purchase Agreement	2	--	--	2			
03	Guidance/Preprovisioning Conference	21	4	9	1			7
04	Interim LLIL	15	4	8	2		1	
05	Recommended LLIL/Long Lead-Time Items	23	4	9	2		1	7
06	Screening/Screening	18	3	7	2			6
07	I&S/Screening	16	3	7				6
08	SAIP	3	3					
09	Provisioning Technical/End Item Data	23	4	9	2		1	7
10	SPTD/Manufacturers Technical Data	13	4	7	2			
11	Provisioning Conference/Conferences/Forecasting	14	4	8	2			
12	Item Cost Price Review/Procurement Budget Review	20	4	9				7
13	NC-ND Number	7	3	4				
14	Initial Spares Support	9	3	6				
15	SERD	2	2					
16	Design Change Notice/Revision Service	22	4	9	2			7

Table 11-A

PROVISIONING MATRIX SPECIFICATION
Control Data Type (Continued)

Number	Event Name	Total	Data Element Disposition					
			Com- patible	Similar	Unique		Unique MB	
					AF	ATA	AF	ATA
17	Post Conference List	3	2	--			1	
18	Requirements Determination/Provisioning Model	7	2	3	1		1	
19	Cataloging/Control and Cross Reference	20	4	7	2			7
20	Supply Support Request	7	2	5				
21	Provisioning Item Order/Recommended Spares/Purchasing Decision	21	4	9	1			7
22	PIO Funding/Procurement Budget Review	20	4	9				7
23	Packaging/Packaging	7	2	3				2
24	Delivery Date Acceptance-Rejection	--						
25	Spares Pricing/Procurement Budget Review	20	4	9				7
26	PIO Release/Purchase Order	9	2	3				4
27	Due-In Assets/Cash Flow	2	2					
28	Operational Need Date/Operational Need Date	--						
29	Buy Back	12	3	6				3
	TOTALS	336	80	146	21	--	5	84

Table 11-B

PROVISIONING MATRIX SPECIFICATION
Application Data Type

Number	Event Name	Total	Data Element Disposition					
			Com- patible	Similar	Unique AF	Unique ATA	Unique AF	Unique MB ATA
01	Documentation Require- ments	9	2	7				
02	Contract Award/Pur- chase Agreement	--						
03	Guidance/Preprovisioning Conference	16	2	8	6			
04	Interim LLIL	16	2	8	1		5	
05	Recommended LLIL/Long Lead-Time Items	18	2	9	1		5	1
06	Screening/Screening	2	--	2				
07	I&S/Screening	2	--	2				
08	SAIP	--						
9	Provisioning Technical/ End Item Data	17	2	9			5	1
10	SPTD/Manufacturers Technical Data	1	--	1				
11	Provisioning Conference/ Conferences/Forecasting	22	2	8	5		3	4
12	Item Cost Price Review/ Procurement Budget Review	1	--	1				
13	NC-ND Number	1	--	1				
14	Initial Spares Support	3	--	3				
15	SERD	--						
16	Design Change Notice/ Revision Service	20	2	9			5	4

Table 11-B

PROVISIONING MATRIX SPECIFICATION
Application Data Type (Continued)

Number	Event Name	Total	Data Element Disposition					
			Com- patible	Similar	Unique		Unique MB	
					AF	ATA	AF	ATA
17	Post Conference List	12	2	7	2		1	
18	Requirements Determination/Provisioning Model	13	2	8	2		1	
19	Cataloging/Control and Cross Reference	18	2	8	3		2	3
20	Supply Support Request	3	--	2	1			
21	Provisioning Item Order/Recommended Spares/Purchasing Decision	14	2	9				3
22	PIO Funding/Procurement Budget Review	1	--	1				
23	Packaging/Packaging	2	--		1		1	
24	Delivery Date Acceptance-Rejection	--						
25	Spares Pricing/Procurement Budget Review	1	--	1				
26	PIO Release/Purchase Order	--						
27	Due-In Assets/Cash Flow	--						
28	Operational Need Date/Operational Need Date	1	--		1			
29	Buy Back	--						
	TOTAL	193	22	104	23	0	28	16

Table 11-C
PROVISIONING MATRIX SPECIFICATION
Technical Data Type

Number	Event Name	Total	Data Element Disposition					
			Com- patible	Similar	Unique		Unique MB	
					AF	ATA	AF	ATA
01	Documentation Require- ments	13	--	9	4			
02	Contract Award/Pur- chase Agreement	--						
03	Guidance/Preprovisioning Conference	20	1	9	5			5
04	Interim LLIL	14	1	9			4	
05	Recommended LLIL/Long Lead-Time Items	19	1	9			4	5
06	Screening/Screening	--						
07	I&S/Screening	--						
08	SAIP	1					1	
09	Provisioning Technical/ End Item Data	18	--	9			4	5
10	SPTD/Manufacturers Technical Data	--						
11	Provisioning Conference/ Conferences/Forecasting	22	1	9	9		3	
12	Item Cost Price Review/ Procurement Budget Review	1	1					
13	NC-ND Number	--						
14	Initial Spares Support	14	--	8	3		3	
15	SERD	--						
16	Design Change Notice/ Revision Service	19	1	9			4	5

Table 11-C

PROVISIONING MATRIX SPECIFICATION
Technical Data Type (Continued)

Number	Event Name	Total	Data Element Disposition					
			Com- patible	Similar	Unique		Unique MB	
					AF	ATA	AF	ATA
17	Post Conference List	24	1	9	11		3	
18	Requirements Determination/Provisioning Model	27	1	9	10		3	4
19	Cataloging/Control and Cross Reference	7	--	3	2		1	1
20	Supply Support Request	7	--	2	5			
21	Provisioning Item Order/Recommended Spares/Purchasing Decision	18	1	8	5			4
22	PIO Funding/Procurement Budget Review	1	1					
23	Packaging/Packaging	1	--	--	--	--	--	1
24	Delivery Date Acceptance-Rejection	--						
25	Spares Pricing/Procurement Budget Review	1	1					
26	PIO Release/Purchase Order	1	1					
27	Due-In Assets/Cash Flow	--						
28	Operational Need Date/Operational Need Date	--						
29	Buy Back	1	1					
	TOTALS	229	13	102	54	--	30	30

Table 11-D

PROVISIONING MATRIX SPECIFICATION
Manufacturer Control Data Type
Procurement Data Type

Number	Event Name	Total	Data Element Disposition					
			Com- patible	Similar	Unique		Unique MB	
					AF	ATA	AF	ATA
01	Documentation Requirements	--						
02	Contract Award/Purchase Agreement	--						
03	Guidance/Preprovisioning Conference	5	3	1	1			
04	Interim LLIL	5	3	1			1	
05	Recommended LLIL/Long Lead-Time Items	15	3	1			1	10
06	Screening/Screening	--						
07	I&S/Screening	--						
08	SAIP	4	2	1			1	
09	Provisioning Technical/End Item Data	5	3	1			1	
10	SPTD/Manufacturers Technical Data	--						
11	Provisioning Conference/Conferences/Forecasting	5	3	1			1	
12	Item Cost Price Review/Procurement Budget Review	14	3	1				10
13	NC-ND Number	--						
14	Initial Spares Support	1	1					
15	SERD	--						
16	Design Change Notice/Revision Service	18	3	1			4	10

Table 11-D

PROVISIONING MATRIX SPECIFICATION
Manufacturer Control Data Type
Procurement Data Type (Continued)

Number	Event Name	Total	Data Element Disposition					
			Com- patible	Similar	Unique		Unique MB	
					AF	ATA	AF	ATA
17	Post Conference List	2	1	1				
18	Requirements Determination/Provisioning Model	9	3	1			5	
19	Cataloging/Control and Cross Reference	3	2	1				
20	Supply Support Request	--						
21	Provisioning Item Order/Recommended Spares/Purchasing Decision	21	3	1	6	4	1	6
22	PIO Funding/Procurement Budget Review	20	3	1	6			10
23	Packaging/Packaging	3	2	1				
24	Delivery Date Acceptance-Rejection	5	--	--	5			
25	Spares Pricing/Procurement Budget Review	18	3	1	4			10
26	PIO Release/Purchase Order	20	3	1	6	5		5
27	Due-In Assets/Cash Flow	10	2	1	5	1		1
28	Operational Need Date/Operational Need Date	--						
29	Buy Back	3	1	--	--	1		1
	TOTALS	186	47	17	33	11	15	63

Table 11-E

PROVISIONING MATRIX SPECIFICATION
Administrative Data Type

Number	Event Name	Total	Com- patible	Similar	Data Element Disposition			
					Unique		Unique MR	
					AF	ATA	AF	ATA
01	Documentation Requirements	--						
02	Contract Award/Purchase Agreement	--						
03	Guidance/Preprovisioning Conference	20	6	4	2			8
04	Interim LLIL	12	6	4			2	
05	Recommended LLIL/Long Lead-Time Items	20	6	4			2	8
06	Screening/Screening	1	1					
07	I&S/Screening	1	1					
08	SAIP	--						
09	Provisioning Technical/End Item Data	20	6	4			2	8
10	SPTD/Manufacturers Technical Data	2	1	1				
11	Provisioning Conference/Conferences/Forecasting	5	3	1	--			1
12	Item Cost Price Review/Procurement Budget Review	18	6	4	--			8
13	NC-ND Number	--						
14	Initial Spares Support	--						
15	SERD	--						
16	Design Change Notice/Revision Service	20	6	4			2	8

Table 11-E

PROVISIONING MATRIX SPECIFICATION
Administrative Data Type (Continued)

Number	Event Name	Total	Data Element Disposition					
			Com- patible	Similar	Unique		Unique MB	
					AF	ATA	AF	ATA
17	Post Conference List	--						
18	Requirements Determination/Provisioning Model	17	5	4	--			8
19	Cataloging/Control and Cross Reference	1	1					
20	Supply Support Request	--						
21	Provisioning Item Order/Recommended Spares/Purchasing Decision	18	6	4	--			8
22	PIO Funding/Procurement Budget Review	18	6	4	--			8
23	Packaging/Packaging	1	4					
24	Delivery Date Acceptance-Rejection	--						
25	Spares Pricing/Procurement Budget Review	18	6	4	--			8
26	PIO Release/Purchase Order	1	1					
27	Due-In Assets/Cash Flow	--						
28	Operational Need Date/Operational Need Date	--						
29	Buy Back	1	1					
	TOTALS	194	69	42	2	0	8	73

IV. CONCLUSION

1. Analysis

a. Correlations and differences between commercial provisioning and the Air Force provisioning methodologies have been determined in the first phase of the Air Force provisioning study. Comparisons are based on the analysis of a Provisioning Matrix constructed to comprehensively represent significant events and data incorporated in the two provisioning methods. Section V of the report includes numerous tables characterizing these events, data, data flow and data dependencies. In the following paragraphs, the correlations and/or differences between methods are discussed, with detailed consideration given to particular events and data leading to significant methodological distinctions.

b. The Air Force and commercial Event Matrices dimensioned respectively at 86 x 28 and 69 x 19 were combined to construct the Provisioning Matrix required for the analysis of the two provisioning methods. As anticipated, a unique data and provisioning event resulted in the addition of Provisioning Matrix rows and columns to 123 x 29 exceeding the dimensions of each Event Matrix. Events in the Air Force cycle which do not exist in commercial aviation have been identified in conjunction with the unique data requirements of each provisioning method. Nine Air Force events and 50% of the Air Force provisioning data set was determined to be unique to Air Force provisioning. A single commercial event and 50% of the data were similarly determined to be unique to the commercial method. Eighteen Air Force events completely unrepresentative of MIL-STD-1552A and the Addendum data elements were excluded from the Provisioning Matrix.

c. Events determined to be functionally equivalent between cycles were analyzed according to their data element requirements. Table 9 presents Provisioning Matrix data categories for the flow of information from the manufacturer to the buyer in each of the 29 events. Comparison of the results in Table 9 with event buyer data requirements in Table 10 revealed significant differences between 4 common events identified to be potentially equivalent within the Provisioning Matrix. The first such event in the combined provisioning cycle is event number 03, the Guidance/Preprovisioning Conference event. All of the manufacturer data in the third event is contributed exclusively by the commercial method while Air Force provisioning accounts for

all of the buyer elements. Notice that 30 Air Force elements in the buyer category were determined to flow from the manufacturer to the buyer in the commercial cycle. Similar comparisons established for three other common Provisioning Matrix events reveal differences between the dedicated events in their respective provisioning cycles. These events were all distinguished through the buyer data category and include event number 11, Provisioning Conference/Conferences/Forecasting; number 18, Requirement Determination/Provisioning Model; and 19, the Cataloging/Control and Cross Reference event.

d. The ten unique events in the Provisioning Matrix event set were not particularly distinguished regarding either their data, data flow or data volume. It is important to note that policies and procedures related to unique Air Force events may be excluded from consideration of any particular ATA impact. The unique events and respective policy and procedural items included the Document Requirements event for Data Item Description; Interim LLIL, DOD Standardization Program; SAIP, the SAIP item; NC-ND Number, the Federal Cataloging Program; Initial Spares Support, the D220 Provisioning System; SERD, no applicable policy or procedure; Post Conference List, D220; Supply Support Request, the D169 SSR System; Delivery Date Acceptance-Rejection, Basic Ordering Agreement; and the single unique commercial Buy Back event with no applicable procedural item.

e. Nineteen of the 29 Provisioning Matrix events were determined to be functionally equivalent between Air Force and commercial provisioning. These common events represent the greatest potential for ATA impact on Air Force policy and procedure. These events and applicable policy and procedural items are asterisked in Appendix A. These items were selected from the Provisioning Matrix to include the DOD Standardization Program, the Federal Cataloging Program, Initial Spares Requirements, Basic Ordering Agreements, Defense Acquisition Regulation, D220 AFLC Provisioning System, Spares Pricing, Spares Acquisition Integrated with Production, J041 Due-in Asset System, DO41 Recoverable Consumption Item Requirements Computation, DO43 Master Item Identification Control, DO49 Master Material Support Record, DO62 Economic Order Quantity Buy Computation, D169 Supply Support Request, and JO11 Acquisition Management Information.

f. Provisioning Matrix data elements were partitioned into 5 sets of operationally equivalent data in accordance with direction provided by the World Airline Suppliers' Guide. Results summarized in Tables 9 and 10 are separately presented for each of the 5 data types, i.e., Control elements, Application, Technical, Procurement and Administrative. For example, while Table 9 reveals a predominance of manufacturer commercial provisioning data (designation codes MB/MB, /MB, XMB), inspection of Tables 9-A through E indicate that commercial manufacturer data primarily exceeds the Air Force within the Administrative data type.

g. Consideration of the Provisioning Matrix buyer data requirements summarized in Table 10 reveal dramatic distinctions between Air Force and commercial provisioning. Air Force buyer data (codes BM/BM, BM/MB, BM/, B/, BMX, BX) is nearly 12 times the volume of commercial provisioning (codes /BM, XBM). Notice that there are no comparable incidences within codes XB, unique commercial buyer data; /B, commercial data in common with Air Force data in an event without Air Force element applicability. It is also notable that over 16% of the Air Force data flow to the manufacturer was determined to be in common with commercial data where commercial provisioning was receiving the same data from the manufacturer, i.e., designation code BM/MB. Inspection of results contained in Tables 10-A through E reveal that the provisioning methods are only compatible relative to buyer data requirements in the administrative data type. Nearly half of the Air Force buyer elements occur in the crucial technical data type which is totally devoid of commercial buyer data.

h. The data dependencies identified by the study regarding the application of data from events to the generation or modification of data in successor events served to validate the partition of Provisioning Matrix elements by type. Inspection of Table 8 reveals that element dependency is virtually exclusive within type, i.e., data from separate type categories does not cross type boundaries.

i. Unique Air Force and commercial data provided to the buyer by the manufacturer was emphasized in the first study phase. Particular attention was directed toward the specification of these elements in the anticipation that they provide important direction regarding the potential application of ATA provisioning to the Air Force. Consider the case of a unique Air Force MIL-STD-1552A data element. If the element is not currently supplied by the manufacturer to the Air Force, i.e., it is

either internal to the Air Force or Air Force produced for the manufacturer, then it is unnecessary to consider the possibility of adding the element to ATA specification. Hence, only the unique Air Force data flowing from the manufacturer needs to be considered in the attempt to bridge the gap between the two provisioning methods. A similar argument holds for unique commercial data elements. In the commercial case however, the potential benefit of the ATA elements needs to be assessed in order to justify their addition to MIL-STD-1552A. Commercial elements deemed unapplicable to Air Force needs can simply be ignored. Common data, i.e., compatible or similar data presented in Tables 4-A and B, can always be accommodated through the application of dedicated conversion routines. Results presented in Table 11 indicate that the unique set of Provisioning Matrix data is reduced when restricted to the MB type. Unique commercial elements experience a modest reduction while unique Air Force elements representing potential candidates for ATA inclusion are substantially diminished by nearly 40%.

2. Results

a. Specifications for each of the 28 events identified in the Air Force provisioning cycle are presented in Appendix A. Events appear according to their cyclic position from documentation requirements through the final operational need date event. The event sequence number, name, performed functions, and applicable Air Force policies and procedures are included for each event. Appendix B represents the commercial analog of Appendix A. Appendix B contains event specifications for each of the 19 events in the commercial provisioning cycle. Together, Appendices A and B provide information necessary to support the functional correlation of events from the separate provisioning methods.

b. Specifications for each of the Air Force and commercial data elements are provided in Appendices C and D. Appendix C alphabetically lists each of the 86 Air Force elements and Appendix D includes each of the 69 commercial provisioning data elements in conjunction with element name, description, block location, bit size, format, i.e., Alphabetic (A), Numeric (N) or Alphanumeric (A/N) and originating organization.

c. Appendix E contains the fundamental analytic tool developed to represent the similarities, differences, advantages and disadvantages of the two provisioning methods. The Air Force and commercial events of Appendices A and B were combined to obtain 29 events. Air Force and commercial data specified in Appendices C and D were related to define 123 data elements common and unique to Air Force and commercial provisioning. The 17 designation codes of Table 7 were utilized to conveniently and explicitly represent Air Force and commercial provisioning data applicable to their respective provisioning method. World Airline Suppliers' Guide data definitions have been employed to segment data elements into five operational categories to emphasize the similarities and differences between commonly applied operational data.

d. An alphabetically organized list of acronyms and abbreviations applicable to the study effort final report are in Appendix F.

e. The additional Data Tables and Figures used as briefing charts are provided in Appendix G.

V. APPENDICES

Appendix A

PROVISIONING EVENT SPECIFICATION Air Force

Event Number/Name: 01 Documentation Requirements

Description: Determination of what data is to be procured based on the complexity of the system/end article and on whether or not there are new requirements. The Air Force attempts to buy only the minimum essential contractor prepared PTD/SPTD. A "Data Call" to responsible officers is used to gather requirements for provisioning and other data. Data requirements are then included in the PR/MIPRs that are used to request contracting action for systems/end articles.

Functions: Air Force: SM/EAIM ALC (MMIS) makes the final decision on the selection of the applicable DIDs for provisioning data. This selection is for the minimum essential DIDs needed to support the acquisition. The DOD activity assigned contracting responsibility is determined when a MIPR is involved. The PTD Data Selection Sheet (DD 1949-1) and the PRS (DD 1949-2) is prepared.

Policy/
Procedures: Defense Acquisition Regulations
Data Item Descriptions

Event Number/Name: 02 Contract Award*

Description: The contractual commitment of the contractor/vendor to supply specified systems, equipments, data or services at a specified time.

Functions: Contractor: Accepts specified obligations/responsibilities.
Air Force: Principal Contracting Office awards/lets contract.

Policy/
Procedures: Defense Acquisition Regulations

*One of the 19 events functionally equivalent between Air Force and commercial provisioning.

Appendix A

PROVISIONING EVENT SPECIFICATION
Air Force (Continued)

Event Number/Name: 03 Guidance Conference*

Description: A conference which provides contractor, major vendor, and Air Force personnel the opportunity to achieve a mutual understanding of contractual requirements. At the conference, responsibilities are clearly defined and various deadlines in the provisioning cycle are specifically identified.

Functions: Air Force: SM/EAIM ALC representative chairs the conference. A provisioning process briefing based upon the applicable acquisition documents is provided along with a detailed presentation of the programming checklist. Criteria as to the type of items to be included on the LLIL are established. The flow of PIOs form IMs through the SM/EAIM ALC to the contractor is outlined.

User commands provide data to assist in the development of Initial Spare Support Lists (ISSLS).

Contractor: Shares views and agrees to the type of items that will be listed on the LLIL.

Policy/
Procedures: D220 Provisioning System

*One of the 19 events functionally equivalent between Air Force and commercial provisioning.

Appendix A

PROVISIONING EVENT SPECIFICATION Air Force (Continued)

Event Number/Name: 04 Interim Release - LLIL*

Description: Long lead time items are those items that because of their complexity, complicated manufacturing process, or limited production capacity have production or procurement lead times which necessitate advanced ordering to ensure adequate delivery schedules. Generally, the LLIL is the first type of PTD submitted by the contractor. Interim Release is one category of LLIs. In order to compress the administrative lead time and when authorized by the PRS, Interim Release Items are produced or procured simultaneously with contractors' production requirements for like items prior to receipt of a PIO. The contractor determines the requirements for system/end article support. The contractor is obligated to notify the provisioning activity within 30 days of this determination, and the provisioning activity provides a PIO within the following 30 day period.

Functions: Air Force: Establishes criteria and authorizes Interim Release Items.

Contractor: Identifies candidate items, determines requirements and initiates the production or procurement process. The contractor then notifies the provisioning activity of the action that has been taken. The contractor also submits screening data to DLSC.

DLSC: Screens data and provides results regarding existing/valid NSNs.

Policy/Procedures: D220 Provisioning System
DOD Standardization Program

*One of the 19 events functionally equivalent between Air Force and commercial provisioning.

Appendix A

PROVISIONING EVENT SPECIFICATION
Air Force (Continued)

Event Number/Name: 05 Recommended Items LLIL*

Description: Recommended Items are the second category of LLIs, Interim Release Items being the other category. The description for Interim Release is applicable except that the Recommended Item List is reviewed by the provisioning activity and a PIO prepared prior to the manufacture or procurement of an item.

Functions: Air Force: Establish LLI criteria. Review, inspect, edit, exclude, and accept or reject the Recommended Items LLILs and the supporting SPTD.

Contractor: Recommends LLI candidates and provides supporting SPTD. Also provides screening data to DLSC.

DLSC: Screens data and provides results regarding existing/valid NSNs.

Policy/
Procedures: D220 Provisioning System
DOD Standardization Program

Event Number/Name: 06 Screening

Description: Screening is a program to determine if an item exists in the federal supply system and if it has been assigned a NSN.

Functions: Contractor: Provides the required screening data, the manufacturer's part number being the primary data element, to DLSC.

DLSC: Screens data and provides results regarding existing/valid NSNs. Reviews the contractor data and determines if and what NSN has been assigned.

Policy/
Procedures: DOD Standardization Program

*One of the 19 events functionally equivalent between Air Force and commercial provisioning.

Appendix A

PROVISIONING EVENT SPECIFICATION Air Force (Continued)

Event Number/Name: 07 Interchangeability and Substitution (I&S)/Standardization*

Description: A program which identifies items which possess such qualities as to make them equivalent and, therefore, capable of being exchanged one for another. The program is conducted primarily within the framework of the Defense Standardization Program to achieve and maintain the highest degree of standardization practicable.

Functions: Contractor: When directed, provide Interchangeability Replaceability Working Lists (IRWL).

Air Force: CASC is primarily responsible for determining if an item is a candidate for the I&S/Standardization program.

Policy/
Procedures: Federal Cataloging Program
DOD Standardization Program

Event Number/Name: 08 Spares Acquisition Integrated with Production (SAIP)*

Description: A procedure used to combine the ordering and production of selected spares with identical items produced for installation on the primary system or subsystem that is to be delivered to the user. The technique is intended to reduce costs by affecting an economy of scale and insuring timely deliveries of spare/repair parts.

Functions: Contractor: Develops a recommended list of candidate items and determines firm prices.

Air Force: Selects items for inclusion in the SAIP program. Budgets and funds SAIP spares.

Policy/
Procedures: SAIP

*One of the 19 events functionally equivalent between Air Force and commercial provisioning.

Appendix A

PROVISIONING EVENT SPECIFICATION Air Force (Continued)

Event Number/Name: 09 Provisioning Technical Documentation (PTD)*

Description:

PTD is the provisioning data that a contractor is contractually required to provide as a part of the production contract. PTD is the generic term used to reference the various types of provisioning lists and descriptive data, regardless of whether it is in hardcopy, card, or magnetic media format. PTD is used for the identification, selection, and determination of initial requirements and the cataloging of support items to be procured through the provisioning process. Each item of PTD is ordered as a separate line item on the CDRL. Various items of PTD are:

- Provisioning Parts List
- Short Form Provisioning Parts List
- Common and Bulk Items List
- Long Lead Time Item List (Interim Release/Recommended Items)
- Repairable Items List/Recoverable Items Provisioning Parts List
- Numerical Listing/Index
- Tools and Test Equipment List
- Interim Support Item List
- Post Conference List
- Supplementary PTD or Item Identification
- Manufacturer's Commercial Manual
- Statement of Prior Submission
- Design Change Notice

The PPL contains a list of all support items which can be disassembled, reassembled or replaced, which, when combined, constitute the end item. Support items are spares, repair parts and sundry material required to operate, service, repair or overhaul an end item. They also include tools, test equipment, repair kits and repair parts sets unless excluded by the PRS.

The Short Form PPL (SFPPL) is a PPL which lists only those items which are recommended by the contractor for maintenance of the end item.

*One of the 19 events functionally equivalent between Air Force and commercial provisioning.

Appendix A

PROVISIONING EVENT SPECIFICATION
Air Force (Continued)

Event Number/Name: 09 Provisioning Technical Documentation (PTD)* (Continued)

Description:
(Continued)

Common and Bulk Item List (CBIL) is a list of common hardware such as common nuts, bolts, screws, keys, washers, and fittings, except those of special design. The CBIL also contains bulk items such as electrical wire and cable, gasket material, tubing, hose, adhesives, paints, oil, grease, solvents, and metal stock such as rods and sheets.

Repairable Item List (RIL) lists all support items of a recoverable nature used in or associated with the end item.

Numerical Listing/Index is a listing containing all items that are used in the fabrication of the end item.

Design Change Notices are used by the contractors to notify the SM/EAIM ALC of all engineering changes which modify, add to, delete or supersede parts in the end item or its supporting equipment.

Manufacturer's or Commercial Manuals are used to supplement the SFPPL in order to help determine range and quantity of support items.

Functions:

Air Force: Determines PTD requirements and contracts for each PTD item by ordering as a separate line item on the CDRL.

Contractor: Provides the technical data required.

Policy/
Procedures:

Defense Acquisition Regulations

*One of the 19 events functionally equivalent between Air Force and commercial provisioning.

Appendix A

PROVISIONING EVENT SPECIFICATION Air Force (Continued)

Event Number/Name: 10 Supplemental Provisioning Technical Documentation*

Description:

A major segment of PTD is the SPTD. SPTD consists of drawings, specifications, standards, photographs, sketches and descriptions, assembly and general arrangement drawings, schematic drawings and diagrams, wiring and cable diagrams, and other such documents which indicate the function, size and location (form, fit and function) of an item. More specifically, the SPTD must be able to provide for:

- Identification of items for maintenance support considerations
- Preparation of item identification data for the purpose of assigning NSNs
- Review for item entry control
- Standardization
- Review for potential interchangeability
- Item management coding
- Preparation of allowance/issue lists
- Initial procurement from the contractor or manufacturer

Functions:

Air Force: Determines requirements and orders SPTD.

Contractor: Provides required data.

Policy/
Procedures:

Defense Acquisition Regulations

*One of the 19 events functionally equivalent between Air Force and commercial provisioning.

Appendix A

PROVISIONING EVENT SPECIFICATION Air Force (Continued)

Event Number/Name: 11 Provisioning Conference*

Description: A conference which provides the Air Force the opportunity to make item selections and assign technical and management codes.

Functions: **Contractor:** Provides technical data which, when required, includes PTD/SPTD, LSA and RLA data. Also provides a sample article when so specified in the PRS.

Air Force:

SM/EAIM ALC Provisioning Activity

- Schedules, administers, and coordinates all provisioning conference operations.
- Resolves problems on policy and procedures involving SMR coding actions and documentation including disagreements between the conferees and the contractor.
- Ensures SMR codes are furnished contractors for publication in the IPB (Illustrated Parts Breakdown).
- Provides Programming Checklist.
- Ensures requirements for RIPPL are furnished the contractor.
- Provides CASC with copies of PTD/SPTD.
- Performs technical reviews and
 - Assigns SM codes.
 - Assigns failure factors/recommended quantities in the case of insurance items.
 - Assigns ERRC codes to items source coded in "P" series. With exception of insurance items, assigns maintenance/overhaul factors.
 - Assigns IMCs (Item Management Codes) to items new to the A.F.
 - Documents rationale for changing contractor's recommended quantities for items with repair codes L and D, and F greater than \$300.
 - Selects recoverable items which require parts breakdown and drawings.
 - Selects range of items recommended for inclusion in the ISSL (Initial Spares Support List).
 - Assigns demilitarization (DEMIL) codes.
 - Assigns MMAC codes when applicable.

*One of the 19 events functionally equivalent between Air Force and commercial provisioning.

Appendix A

PROVISIONING EVENT SPECIFICATION
Air Force (Continued)

Event Number/Name: 11 Provisioning Conference* (Continued)

Functions:
(Continued)

- Assigns PMIC (Precious Metal Indicator Codes) and ADPE identifier codes.
- Reviews CBIL and indicates SMR codes, quantities, and/or replacement factors for all items necessary to adequately support the articles on contract.
- Performs other reviews/assignments of applicable codes and factors.

CASC

- Reviews and determines acceptability of drawings.
- Obtains necessary information and additional data when required to satisfy cataloging requirement.
- Ensures the PTD/SPTDs reflect correct FSCs and item names.
- Determines the current NSN and management codes status.
- Validates MMACs previously assigned

Directorate of Maintenance

- Establishes initial shop repair cycle times.
- Establishes maintenance and overhaul policy.
- Determines number and location of overhaul depots.

Policy/
Procedures:

D220 Provisioning System

*One of the 19 events functionally equivalent between Air Force and commercial provisioning.

Appendix A

PROVISIONING EVENT SPECIFICATION
Air Force (Continued)

Event Number/Name: 12 Item Cost/Price Review*

Description: An equipment specialist's review of the contractor's estimated unit price. Review is made to determine the reasonableness of the estimate.

Functions: Contractor: Estimates unit prices.

Air Force: Reviews estimates for reasonableness.

Policy/
Procedures: Spares Pricing

Event Number/Name: 13 NC/ND Number

Description: An Air Force Control number assigned to an item of supply. An NC number is used pending the assignment of an NSN by DLSC. An ND number is used when the item does not qualify for or require an NSN assignment.

Functions: Air Force: Assigns NC/ND numbers when required.

DLSC: Assigns NSNs.

Policy/
Procedures: Cataloging

*One of the 19 events functionally equivalent between Air Force and commercial provisioning.

Appendix A

PROVISIONING EVENT SPECIFICATION Air Force (Continued)

Event Number/Name: 14 Initial Spares Support*

Description: Program to deploy limited amounts of spare/repair parts at activities that are scheduled to receive/support new systems/end articles.

Functions: Air Force: Provisioning activities prepare the initial spares support list (ISSLs) with the assistance of user commands.

Contractor: Provides recommendations.

Policy/
Procedures: D220 Provisioning System

Event Number/Name: 15 Support Equipment (SE) Recommendations*

Description: A system where contractors identify potential support problems and recommend what support equipment is needed to solve the problems. The primary interested and responsible Air Force offices review these recommendations and develop a coordinated requirements list and a plan for obtaining the necessary support equipment. The support equipment that is procured is then provisioned using the same procedures as are used for other end articles.

Functions: Contractor: Submits Support Equipment Recommendations Data (SERD) for field, intermediate, and depot support equipment. The SERD is to provide sufficient initial engineering data to describe a function requiring support as well as recommendations for development, procurement, or use of GFE, for support equipment being recommended. Relevant availability, logistics support, and procurability-type data is also provided.

Air Force: Reviews contractors' recommendations and develops their support plan.

Policy/
Procedures: D220 Provisioning System

*One of the 19 events functionally equivalent between Air Force and commercial provisioning.

Appendix A

PROVISIONING EVENT SPECIFICATION
Air Force (Continued)

Event Number/Name: 16 Design Changes*

Description: Program to adjust requirements when systems/end articles are modified/changed during the production process.

Functions: Contractor: Submits recommended design changes and provides applicable technical data.

Air Force: Modifies/changes/controls records to accommodate changes.

Policy/Procedures: D220 Provisioning System

Event Number/Name: 17 Post Conference List*

Description: A listing of all items selected as logical spare/repair parts as the result of the Provisioning Conference along with those items previously selected as logical spares to which changes were made during the conference. The determination of the range of items that will be stocked.

Functions: Contractor: When required, prepare and submit the PCL along with the SPTD.

Air Force: When the contractor is directed to prepare the PCL, inspect for completeness and have necessary corrections made. When contractors are not directed to do so, prepare the PCL. Forward applicable portions of the PCL to the appropriate IM ALC.

Policy/Procedures: D220 Provisioning System

*One of the 19 events functionally equivalent between Air Force and commercial provisioning.

Appendix A

PROVISIONING EVENT SPECIFICATION Air Force (Continued)

Event Number/Name: 18 Requirements Determination

Description: The process of determining/computing requirements for initially provisioned items. Initial spare/repair parts provisioning acquisitions are limited to new items. Process also determines if the items are to be procured from the contractor or acquired from a federal agency.

Functions: Air Force: Item managers compute requirements and determine delivery schedules.

Policy/Procedures: Initial Spares Requirements
D041 Recoverable Consumption Item Requirements Computation
D062 EOQ Buy Computation

Event Number/Name: 19 Cataloging*

Description: The process of assigning NSNs to new items that are being introduced into the federal supply system. This process is conducted within the framework of the Federal Catalog System. The system provides a single uniform cataloging system for the federal government. The Defense Logistics Services Center (DLSC) administers the system for the DoD.

Functions: Air Force: CASC has the primary responsibility for determining if an item is an existing or a new item.

DLSC: Assigns NSNs.

Contractor: Provides PTD/SPTD.

Policy/Procedures: Cataloging
D043 Master Item Identification Control
D049 Master Material Support Record
DIDS Defense Integrated Data System

*One of the 19 events functionally equivalent between Air Force and commercial provisioning.

Appendix A

PROVISIONING EVENT SPECIFICATION
Air Force (Continued)

Event Number/Name: 20 Supply Support Request

Description: Process of obtaining supply support from other federal item managers in lieu of procuring material from the contractor. A system where the provisioning activity sends SSRs to the appropriate Integrated Material Manager (IMM)

Functions: Air Force: Provisioning activity directs supply support requests to appropriate federal item managers. Responsibility for wholesale inventory management is negotiated with the appropriate item manager, be they AF, DLA, another service, or GSA.

Policy/Procedures: D169 Supply Support Request

Event Number/Name: 21 Provisioned Item Order (PIO)*

Description: List of items and quantities that are to be procured from the contractor and a schedule of when and where the items are to be delivered.

Functions: Air Force: SM/EAIM ALC develops the PIO and prepares a purchase order/contract for the procurement. The provisioning activity also budgets and controls funds which sometimes necessitate adjustments in the PIO.

Contractor: Receives and reviews PIO.

Policy/Procedures: D220 Provisioning System

*One of the 19 events functionally equivalent between Air Force and commercial provisioning.

Appendix A

PROVISIONING EVENT SPECIFICATION
Air Force (Continued)

Event Number/Name: 22 PIO Funding Requirements

Description: Process of PIO review and the determination of fund requirements. If sufficient funds are not available, adjustments must be made in the PIO.

Functions: Air Force: Logistics specialists review PIOs and commit funds for the acquisition of spare/repair parts.

Policy/
Procedures: Spares Pricing

Event Number/Name: 23 Packaging

Description: Process of determination of packaging requirements for spare/repair parts.

Functions: Air Force: Determine requirements.

Event Number/Name: 24 Contractor Acceptance/Rejection of Delivery Dates*

Description: Negotiation phase of PIO purchases.

Functions: Contractor: Accept/reject/negotiate delivery schedules.

Air Force: Negotiate schedules.

Policy/
Procedures: Defense Acquisition Regulation
Basic Ordering Agreements

*One of the 19 events functionally equivalent between Air Force and commercial provisioning.

Appendix A

PROVISIONING EVENT SPECIFICATION
Air Force (Continued)

Event Number/Name: 25 Spares Pricing*

Description: Process of final negotiation of contract modification cost.

Functions: Air Force: PPCO negotiates cost with contractor.

Contractor: Agrees to terms of contract modification.

Policy/
Procedures: Spares Pricing

Event Number/Name: 26 PIO Release*

Description: Process of monitoring/controlling terms of the contract modification. Also the process of attempting to ensure that spare/repair parts are delivered in accordance with the established schedule.

Functions: Air Force: Monitor terms of contract. Take necessary action to see that contractor performs properly.

Policy/
Procedures: J041 Due-In Asset System
J011 Acquisition Management Information

*One of the 19 events functionally equivalent between Air Force and commercial provisioning.

Appendix A

PROVISIONING EVENT SPECIFICATION
Air Force (Continued)

Event Number/Name: 27 Due-In Assets*

Description: Procedure to account for and track on-order spare/repair parts.
Procedure is a subset of the overall inventory control process.

Functions: Air Force: Track on-order assets.

Contractor: Deliver ordered parts.

Policy/
Procedures: J041 Due-In Asset System

Event Number/Name: 28 Operational Need Date

Description: Date when provisioned spare/repair parts should be in place.

Functions: Contractor: Deliver spare/repair parts.

Policy/
Procedures: J011 Acquisition Management Information

*One of the 19 events functionally equivalent between Air Force and commercial provisioning.

Appendix B

PROVISIONING EVENT SPECIFICATION Commercial

Event Number/Name: 01 Purchase Agreement/General Terms Agreement

Description: This document becomes a supplement to the existing procurement contract defining the terms of initial provisioning. Delivery schedules and legal commitments are detailed.

Functions: Defines the data to be provided to support the provisioning effort in terms of ATA Spec 100 and Spec 200.

Defines the format the data will be submitted in terms of ATA Spec 100 and ATA Spec 200.

Incorporates the schedules from the previous event.

Details the method for handling revisions.

Details the particulars for the repurchase of surplus provisioned items.

Event Number/Name: 02 Preprovisioning Conference

Description: Discussion between the buyer and the manufacturer, lead by the manufacturer, describing the events and the procedures to be used during initial provisioning.

Functions: Main topics for discussions are:

- The modelling techniques used to develop the Recommended Spare Parts List.
- The operational factors necessary for the airline to provide the manufacturer for use in the forecasting model.
- The method for handling the monthly revisions to the end item data, the manufacturer's technical data and the recommended spares.
- The need for, and the scheduling of, additional provisioning conferences to help the company in its efforts.

Appendix B

PROVISIONING EVENT SPECIFICATION
Commercial (Continued)

Event Number/Name: 03 Long Lead Time Items

Description: This event constitutes a mini-version of the entire provisioning cycle for those items whose lead time prohibits their fitting within the normal cycle.

Functions: Manufacturer has the responsibility of notifying the company of those items which will have a long lead time. Normally, these items account for less than five (5) percent of the items.

The company will have to provide the manufacturer with forecasting factors for the provisioning model for the long lead time items to be placed on a provisional RSPL.

The company will have to respond to this list within the constraints of the lead time.

This same process is utilized for any items which will become Buyer Furnished Equipment (BFE).

Event Number/Name: 04 End Item Data

Description: Submission by the manufacturer of the provisioning data on all the parts which are used to manufacture and repair the end item.

Functions: This data is submitted to the airline as the T-file which is defined in ATA Spec 200, Chapter 1b and 2b. The file represents the construction of the end item as specified for the company. For each item, there are data records to describe technical aspects of the item and its application. Procurement data is also supplied for each item.

The manufacturer has the responsibility of including all parts, even if major components are supplied by a subcontractor, unless released from this obligation by the General Terms Agreement.

Appendix B

PROVISIONING EVENT SPECIFICATION
Commercial (Continued)

Event Number/Name: 05 Manufacturer's Technical Data

Description: The submission by the manufacturer of the written technical data and drawings required for the support of their product.

Functions: This data is necessary to supplement the end item data in machine readable form. Provisioning end item data needs to be checked against the technical data to ensure that the manufacturer has not forgotten any parts or tools that are necessary for replacement, repair, installation, or support.

Event Number/Name: 06 Provisioning Conferences

Description: Called by the Airline as they are needed, these conferences are to help the company in their efforts to understand and to process the provisioning cycle.

Functions: Among the areas of concern are the following:

- Long lead time item processing.
- Control, cross reference, and classification of any new parts to the company.

Appendix B

PROVISIONING EVENT SPECIFICATION Commercial (Continued)

Event Number/Name: 07 Revision Service

Description: The method used to handle changes to the long lead time items, the end item data, manufacturer's technical data, and the recommended spare parts list. These changes are made primarily because of manufacturer design changes in the end item.

Functions: The method to be used is defined in the ATA Spec 200 and the format and frequency is agreed upon in the General Terms Agreement.

File control is governed by the following fields:

- Transmitter (manufacturer)
- Customer
- Model Identifier (relates to G.T.A.)
- File Identifier
- Transmission Sequence
- Transmission Date

Record control is governed by the following fields:

- Record identification
- Change code.

Event Number/Name: 08 Forecasting Factors

Description: Factors used in the manufacturer's forecasting model.

Functions: Operational Data supplied by the company:

- Anticipated aircraft utilization
- Anticipated average flight length
- Anticipated average repair/overhaul turnaround times
- "Fill rate" - serviceable inventory target level desired by the company
- Desired length of time that the expendable spare parts are to support the end item before becoming part of the normal replenishment cycle.

Appendix B

PROVISIONING EVENT SPECIFICATION Commercial (Continued)

Event Number/Name: 09 Provisioning Model

Description: The initial provisioning forecast model is run by the manufacturer to determine which parts, and in what quantities, the manufacturer should recommend to be purchased to support the new end item.

Functions: The manufacturer uses the forecasting factors, operational data supplied by the buyer, along with technical data determined by the manufacturer. The technical data includes various scheduled and unscheduled removal rates, consumption rates, and sensitivity to operations. The model is run against all the parts in the full end item data T-file.

Event Number/Name: 10 Recommended Spare Parts List

Description: Based on the forecasting model, parts which the manufacturer recommends to the company to purchase, and in what quantities, are listed.

Functions: This information is provided in the Provisioning Technical Data Segment of the Part Number Record Fixed (PNRF) of a revised T-file.

The Recommend Spare Parts List becomes a very important item in determining any possible surplus provisioning parts eligible for buy-back.

Appendix B

PROVISIONING EVENT SPECIFICATION Commercial (Continued)

Event Number/Name: 11 Screening

Description: This is the airline process of taking the Recommended Spare Parts List supplied by the manufacturer and determining if the part recommended is already stocked by the company.

Functions: The input manufacturer's part numbers are matched against the existing company files as follows:

- If the input manufacturer's part number on the RSPL does not match any manufacturer's part number currently on the company files, it is passed to the Control and Cross Reference event.
- If the input manufacturer's part number on the RSPL does match a manufacturer's part number currently on the company files, but the number is associated with multiple company stocking numbers, it is passed to the Control and Cross Reference event.

Matching manufacturer's part numbers remaining are used to update the anticipated consumption for the current company stock number during the period from the initial delivery of the end item to the end of the length of time specified in the forecasting factors for the initial coverage.

Appendix B

PROVISIONING EVENT SPECIFICATION Commercial (Continued)

Event Number/Name: 12 Control and Cross Reference

Description: This is a data management system.

Functions: Major fields and codes defined in this event are:

- Company stock number
- Principal Catalog Sequence number
- Next higher assembly stock numbers
- Recoverability Code
 - Indicates the accountability for the end item and the method of repair or disposition and issue.
- Classification Code
 - Indicates the current status of the part, i.e., Active, Insurance, etc.
- Condition Effect Code
 - Indicates the operational need for the item, i.e., MEL, AOG, Routine, Kit, etc.
- SMRL Codes
 - Indicates the Source Replenishment, Maintenance Level, Recoverability/Accountability and the Scrap Level.

Appendix B

PROVISIONING EVENT SPECIFICATION
Commercial (Continued)

Event Number/Name: 13 Procurement Budget Review

Description: At this point, the airline looks at the price information supplied by the manufacturer at the time of the submission of the End Item Data and the RSPL, and also correlates other procurement data supplied by other vendors via ATA Spec 200 Chapter 3, and ATA Spec 400.

Functions: Procurement data supplied by any number of vendors is used to update vendor and price information on company stock numbers. The data supplied is in standard ATA 400 format.

The same matching methods for matching the manufacturer's part number and the company stock number used in the Screening event are used.

If there is an exact comparison, and there is a price record for that MPN/FSC combination in the company files with an effective data matching the input record, the MPN/FSC's price record is updated.

If there is an exact comparison and there is no price record for that MPN/FSC combination in the company files with an effective data matching the input record, and there is no future effective date price record, a new price record is added for the MPN/FSC combination.

If there is only one MPN on the company files and its FSC does not match with the input record, a new MPN/FSC record is added along with a price record for the MPN/FSC combination.

If this MPN is associated with more than one company stocking number or there is more than one MPN/FSC combinations associated with more than one company stocking number, then exception reports are produced.

Appendix B

PROVISIONING EVENT SPECIFICATION Commercial (Continued)

Event Number/Name: 14 Purchasing Decision

Description: Consumption data and removal data is related to current stock status for the part within the company, and a decision to purchase an item and the quantity to purchase is determined by the inventory forecasting models used by the company.

Functions: Anticipated use for the item is derived from the RSPL, augmenting current consumption data for those parts stocked by the company. This is the sole forecasted consumption for those parts which are new to the company.

Parts whose forecasted consumption minus current balance on hand exceed the reorder point (all new parts are in this category), will generate a Stock Action Report. These reports will create both planner and buyer action for the procurement of the part.

Stock Action Reports will include the Control and Classification data, usage history, and anticipated consumption, and various vendors and manufacturer's part numbers which satisfy the part with the current price information.

Stock Action Reports will automatically link and drive purchase orders.

When possible, and especially for high cost items, usage history from other airlines will be used to cross check the recommended quantities from the manufacturer.

Appendix B

PROVISIONING EVENT SPECIFICATION
Commercial (Continued)

Event Number/Name: 15 Purchase Orders

Description: Individual purchase orders are created to cover each item the company wants to include in initial provisioning. These purchase orders can be directed to the manufacturer, a subcontractor, or any other vendor who can supply the part.

Functions: Company purchase order usually contain, at a minimum, the following fields:

- Purchase order number
- Federal Supply Code
- MPN
- Delivery Station
- Unit of purchase
- Date required
- Quantity ordered
- Provisioning account code
- Use price indicator
- Remarks

The vendor is coded as to what type of purchase order the vendor can receive, i.e., card, tape, hardcopy, or electronic switching. The purchase order will be transmitted via the specified medium.

Appendix B

PROVISIONING EVENT SPECIFICATION
Commercial (Continued)

Event Number/Name: 16 Packaging

Description: A standard developed for the packaging of supplies shipped to the company containing the minimum requirements for the manufacturer to use for effective packaging.

Functions: ATA Spec 300 is coordinated with the procurement chapters of Spec 200. Codes on purchase orders for packaging are as follows:

- 0 - No specific packaging requested
- 1 - Use ATA Spec 300 Category I Container
- 2 - Use ATA Spec 300 Category II Container
- 3 - Package and mark as described in ATA Spec 300, Chapter 3.
- 4 - Each kit to be packaged and identified as described in ATA Spec 300, Chapter 4.
- 5 - Material handling devices to be used as described in ATA Spec 300, Chapter 5.
- 6 - Hazardous material requires specific packaging and approved marking, as described in ATA Spec 300, Chapter 6.

When no code is used in the purchase order, the manufacturer should refer to the G.T.A.

Appendix B

PROVISIONING EVENT SPECIFICATION
Commercial (Continued)

Event Number/Name: 17 Cash Flow/Investment

Description: Periodically the company produces reports showing the dollar value of the outstanding purchase order items for the provisioning cycle.

Functions: The report is produced in vendor code (FSC) sequence.

The purchase orders for each vendor are reviewed to determine the dollar amount of any outstanding order items.

The following information is printed on this report:

- Vendor code (FSC)
- Vendor short name
- Provisioning account code
- Outstanding purchase order dollar total

Totals by provisioning account codes and by vendor are accumulated.

Systems: MSCS - Cash Flow Reporting

Event Number/Name: 18 Operational Need Date

Description: The date provisioning items need to be in place to begin to support the operation of the end item.

Functions: This date is set in the initial procurement, contract, subject to changes in the development of the end item.

The date is significant as it relates to two (2) other dates:

- The delivery date of provisioning items purchased.
- The Buy Back expiration date.

Appendix B

PROVISIONING EVENT SPECIFICATION
Commercial (Continued)

Event Number/Name: 19 . Buy Back

Description: If, at the end of the term of initial coverage and until the Buy Back Expiration date, the company feels it has surplus items from initial provisioning, the manufacturer will buy the surplus items back from the company.

Functions: The company notifies the manufacturer in writing of parts that were

- Recommended in the RSPL
- Purchased by the company from the manufacturer
- And are surplus to the company's needs.

Manufacturer reviews the list for those items which were

- Quantities purchased in excess of those quantities recommended in the RSPL
- Items for which a purchase order was received after the date agreed upon in the provisioning schedule in the G.T.A.
- Surplus items as a result of a change in the operational parameters initially provided to manufacturer by the company
- Other provisions of the particular G.T.A.

Price, payment and re-delivery terms are set in the G.T.A.

Systems: MSCS - Purchase Orders
- Usage

Appendix C

DATA ELEMENT SPECIFICATION Air Force

Element Name	Description	Block	Size	Data Type	Originator
Automatic Data Processing Equipment Code	Code assigned according to DOD 4100.38-M. Code is introduced, but not used, by Equipment Specialists.	AU	1 N	Application	Air Force
Base Condemnation Rate	Indicates that portion of the failed items removed and processed for intermediate level repair which will be condemned at that level due to wear-out or economical repair limitations. Part of Failure Factor II (block 17).	AH	3 N	Technical	Contractor/ Air Force
Change Authority Number	Indicates the engineering change number for a design change. Required on DCN PTD of "D" and TOCC "D" or "L."	41	15 A/N	Admin.	Contractor
Contractor Turn Around Time	Number of days from contractors time of receipt of the failed item until the item is returned to the designated receiving point.	37	3 N	Technical	Contractor
Control Data	First position (alpha-mandatory) identifies the type of PTD (e.g., I=LLL-Interim Release). Type of PTD codes are listed in the Addendum. Last nine positions are available for contractor use.	C	10 A/N	Admin.	Contractor
Date	Date PTD submitted - (YYMMDD).	F	6 N	Control	Contractor
Delivery Schedule	Indicates by month (limited to 24) and destination the planned delivery schedule.	75	62 N	Application	Air Force

Appendix C

DATA ELEMENT SPECIFICATION Air Force (Continued)

Element Name	Description	Block	Size	Data Type	Originator
Demilitarization Code	Instructs the user and inventory manager what must be accomplished before item disposal.	AB	1 A	Application	Air Force
Depot Condemnation Rate	Represents the percentage of repair parts, recoverable assemblies, or end items which will be condemned during depot overhaul. Part of Failure Factor III (block 40).	AJ	3 N	Technical	Contractor/ Air Force
Document Availability Code	Indicates the accessibility of drawings and technical documentation related to an item identification/NSN.	AP	1 A/N	Technical	Air Force
Drawing Status Code	Indicates specific status of technical data.	AA	1 A	Application	Air Force
Essentiality Code	Indicates the degree to which the failure of the part affects the ability of the end item to perform its intended operation.	18	1 N	Technical	Contractor/ Air Force
Exhibit Line Item Number	Identifies a specific procurement line item within a contract/modification exhibit.	72	6 A/N	Procurement	Air Force
Extended Remarks Block	Used in conjunction with Remarks (block 33) when necessary to clarify provisioning actions.	80	94 A/N	Admin.	Contractor/ Air Force

Appendix C

DATA ELEMENT SPECIFICATION Air Force (Continued)

Element Name	Description	Block	Size	Data Type	Originator
Failure Factor I -Maintenance Factor	Indicates the anticipated average maintenance replacement rate per operating program increment, i.e., per 100 hours, per month, etc.	16	6 N	Technical	Contractor
Failure Factor II -Overhaul Replacement Percentage	O/H - Indicates the replacement rate of a spare or repair part in the overhaul of the next higher recoverable assembly (NHRRA).	17	3 N	Technical	Contractor/ Air Force
-Base Condemnation Rate	BCR - Indicates that portion of the failed items removed and processed for intermediate level repair which will be condemned at that level due to wearout or economical repair limitations.		3 N		
Failure Factor III -Not Repairable This Station (NRTS)	The NRTS percentage represents that portion of the estimated repairable generations which the intermediate repair activity will <u>not</u> be able to repair.	40	3 N	Technical	Contractor/ Air Force
-Depot Condemnation Percent	The DCR represents the percentage of repair parts, recoverable assemblies, or end items which will be condemned during depot overhaul.		3 N		
Federal Supply Code for Manufacturers	Code that identifies the manufacturer of an item.	3	5 A/N	Control	Contractor
Federal Supply Code for Manufacturers-Prime	Code that identifies the prime contractor.	D	5 A/N	Control	Contractor

Appendix C

DATA ELEMENT SPECIFICATION Air Force (Continued)

Element Name	Description	Block	Size	Data Type	Originator
Indenture	A code which displays a lateral and descending "family tree" relationship of each line item to and within the system or end item and its discrete components. Indenture displays the relationship between assemblies, subassemblies and parts.	2	1 A	Control	Contractor
Initial Supply and/or Other Support Candidates	Indicates/identifies items which are to support one or a combination of the following programs: ATC - Air Training Command Requirements BLSS - Base Level Self Sufficiency ISSL - Initial Supply Support Listing Candidates WRSK - Air Readiness Spares Kit	AF	1 A	Technical	Air Force
Interchangeability Code	Indicates interchangeability when an item previously listed is being replaced by a new item because of a design or other change.	42	2 A	Application	Contractor
Item Management Code	Identifies whether the item is subject to integrated management, or retained by the Air Force for management. Equipment Specialist assigns code. If Air Force managed, identifies if expense (consumable) or investment (repairable) item.	AD	1 A	Technical	Air Force

Appendix C

DATA ELEMENT SPECIFICATION Air Force (Continued)

Element Name	Description	Block	Size	Data Type	Originator
Item Name	An item name with appropriate adjective modifiers as contained in the Federal Item Name Directory for Supply Cataloging (H6).	8	19 A/N	Application	Contractor
Long Reference Part Number Code	A continuation code that indicates that the Part Number or additional reference numbers exceed the 16 allocated positions, and the remainder appears in following lines.	5	1 A	Admin.	Contractor
Maintenance Action Code	Indicates the required action to be taken, i.e., condemn, repair, or test and repair at the expiration of the maximum allowable operation time.	39	1 A	Technical	Contractor
Maintenance Task Distribution	Represents the percent of a repairable item expected to be repaired and returned to stock by a specified maintenance level. Data element is not used by the Air Force.	36	10	Technical	
Major Organization Entity Rule	Represents a specific MOE that applies to the management of an item of supply. The MOE is the principal subdivision of government organization under which component organizational entities are identified (e.g., AF, DLA, etc.). The MOE rule denotes service/agency interest in a NSN and establishes a profile representing the service/agency cataloging and management responsibilities. The MOE rule identifies item wholesale/retail activities and must be compatible with the PICAs.	AK	4 A/N	Technical	Air Force (CASC)

Appendix C

DATA ELEMENT SPECIFICATION Air Force (Continued)

Element Name	Description	Block	Size	Data Type	Originator
Material Management Aggregation Code	Identifies specific items to be managed by a specific system manager. This determines if weapons system or FSC oriented. MMAC must meet FSC compatibility requirements.	AC	2 A	Technical	Air Force
Manufacturer's Part Number	The part number assigned to a single item of design by the actual manufacturer of the item. When a line item is identified by a government or industry specification, e.g., MIL, SAE, which completely identifies the item (First Precedent Part Number) - it will be used.	4	16 A/N	Control	Contractor
Maximum Allowable Operating Time	Identifies period of time after which certain items will be maintained in accordance with the Maintenance Action Code.	38	4 A/N	Technical	Contractor
Method of Support Code	Indicates if and how an item is being procured.	AG	1 N	Technical	Air Force
Method of Support Modifier	Identifies Recoverable Item Breakdowns and Substitute Item Status and is used in conjunction with a MOS code.	AM	1 A	Technical	Air Force
Mission Item Essentiality Code	Provides logistics management personnel with a method by which the allocation of resources can be made based upon weapon system importance. Used only with Air Force managed items.	AW	3 A/N	Application	Air Force

Appendix C

DATA ELEMENT SPECIFICATION Air Force (Continued)

Element Name	Description	Block	Size	Data Type	Originator
Multiple Card Count	Count of all cards, including header and trailer, per Submission Control Code.	51	6 N	Admin.	Contractor
Nomenclature	The name, model, type, or type number of equipment being provisioned.	B	21 A/N	Control	Contractor
National Stock Number	Indicates the national identifying number of a single line item. The NSN is comprised of a 4-position FSC, and a 9-digit National Item Identification Number (NIIN).	13	13 N	Application	Contractor/ Air Force
Next Higher Assembly PLISN	Indicates the PLISN of the next higher assembly in which the item is used.	34	6 A/N	Application	Contractor
Overhaul Quantity	Indicates the quantity of the line item required for each component, assembly or subassembly that has a planned overhaul schedule. Data element is not used by the Air Force.	35	3	Technical	
Phased Provisioning Code	A "p" indicates that the item is recommended for phased provisioning when MIL-STD-1517 applies. Seldom used by the Air Force.	30	1 A	Control	Contractor
Physical Security/Pilferage Code	Indicates the applicable security or pilferage code listed in DoD 4100.38-M.	28	1 A	Application	Contractor

Appendix C

DATA ELEMENT SPECIFICATION Air Force (Continued)

Element Name	Description	Block	Size	Data Type	Originator
Precious Metal Indicator Code	Indicates that the item represents or contains peculiar material requiring special treatment control.	AT	1 A/N	Application	Air Force
Prime Inventory Control Activity	Identifies the DoD activity responsible for item management. Must be compatible with the MOE rule. Is an input to the cataloging function and is used with SSRs.	AE	2 A	Technical	Air Force (CASC)
Prior Item PLISN	Indicates the PLISN previously assigned before resequencing was necessary. May also indicate PLISN on previously submitted LLL.	32	6 A/N	Control	Contractor
Procurement Control Identification	A code indicating the procurement/technical control retention status for the item. Codes are provided by the provisioning activity for contractor use. Data element is not used by the Air Force.	31	1 A	Procurement	
Procurement Instrument Identification	Identifies a specific contractual document. The PII is composed of a 13-position PIIN and a 6-position SPIIN. The PIIN identifies the activity that prepared the instrument, the fiscal year in which the PII is assigned, the type of instrument, and the instrument serial number. The SPIIN identifies amendments, modifications and calls/orders under BOAs and BPAs.	A	19 A/N	Control	Air Force

Appendix C

DATA ELEMENT SPECIFICATION Air Force (Continued)

Element Name	Description	Block	Size	Data Type	Originator
Production Lead Time	The expected number of months between the placement of a new contract and shipment of the first deliverable.	20	2 N	Procurement	Contractor
Program Parts Selection List Code	A code to indicate whether the part is included within the FSCs of the Parts Control Program (MIL-STD-965) and if so, whether the item is or is not approved for use in the PPSL.	7	1 A	Application	Contractor/ Air Force
Prorated from ELIN	Indicates the ELIN which was assigned to the previous item procurement and from which a decreased quantity is being prorated to a new ELIN. When a contractor is given proration authority, the ELIN used on the previous order is identified. Dues-ins for "Prorated from ELIN" are adjusted by the IM. D220 feeds cards to the J041 system. This data element is used on large programs where many DCNs are expected.	77	6 A/N	Procurement	Contractor
Prorated Quantity	Indicates the specific quantity remaining on order for the Prorated from ELIN item after the proration was accomplished.	78	6 N	Procurement	Contractor
Provisioning Contract Control Number	Identifies a specific contract. This is the prime D220 reference number.	49	6 A/N	Control	Air Force

Appendix C

DATA ELEMENT SPECIFICATION Air Force (Continued)

Element Name	Description	Block	Size	Data Type	Originator
Provisioning List Item Sequence Number	Used to establish a sequential line item control. Commences with the first line of the first page and continues to the last item of the engineering breakdown. The first four positions are used for sequential numbering of the line items. The fifth position is used to indicate additions. The sixth position is designated the Type of Change Code (TOCC) and is used to indicate deletions, modifications, changes, limited part applications and recommended additional quantities.	1	6 A/N	Control	Contractor
Quantity per Assembly	Indicates the total number of times the line item is used in the assembly in which it is a part. Subsequent appearances of the same L/I in the same assembly shall have "REP" entered to indicate that the total number of uses has been listed previously.	9	4 A/N	Technical	Contractor
Quantity per End Item	Indicates upon first appearance the total number of times the line item is used in the complete equipment or end item. Subsequent appearances of the same line item shall have "REP" listed to indicate the total number of uses in the end item has previously been listed.	10	5 A/N	Technical	Contractor
Quantity Procured	Indicates the total quantity of all PIOs for the line item within a PCCN prior to the design change.	48	6 N	Procurement	Contractor

Appendix C

DATA ELEMENT SPECIFICATION Air Force (Continued)

Element Name	Description	Block	Size	Data Type	Originator
Quantity Shipped	Indicates the quantity shipped.	47	6 N	Procurement	Contractor
Quantity Unit Pack	Indicates the number of units of an item packaged as a unit pack.	22	3 N	Procurement	Contractor
Reference Designation (Reference Symbol Number)	A system for identifying and locating electrical, electronic and non-electronic equipment. Seldom used by the Air Force.	24	32 A/N	Control	Contractor
Reference Designation Code	A code which defines the type of data entered in the reference designation field. (Codes found in 1552). Seldom used by the Air Force.	26	1 A	Technical	Contractor
Reference Designation Overflow Code	Allows for the expansion of the 32-position Reference Designation.	25	1 A	Admin.	Contractor
Reference Number Category Code	Indicates the category or relationship of the reference number to an NSN or other reference number. Codes are prescribed by DoD 4100.38-M.	6	1 A/N	Control	Contractor

Appendix C

DATA ELEMENT SPECIFICATION Air Force (Continued)

Element Name	Description	Block	Size	Data Type	Originator
Reference Number Justification Code	Indicates the degree of research conducted and justification for the creation of a new item identification despite a recognized condition of possible duplication within an existing item. Used by CASC/DLSC.	AR	1 N	Control	Air Force
Reference Number Variation Code	Indicates that a cited reference number is item identifying, not item identifying, or is for reference only. Used by CASC/DLSC in cataloging system.	AN	1 N	Control	Air Force
Remarks	Used to convey special information not available within the format of the other data elements.	33	12 A/N	Admin.	Contractor/ Air Force
Replaced or Superseding PLISN	Indicates the replaced or superseding item according to the design change condition.	46	6 A/N	Control	Contractor
Requisition Number	Number used for all items required for FMS support. Used by the Logistics Specialist for obligating/controlling FMS funds. D220 interfaces with H051 and H075 systems.	79	15 A/N	Procurement	Air Force
Same as PLISN	For subsequent appearances of the same item on the same list, indicates the PLISN of the item in its first appearance.	15	6 A/N	Control	Contractor

Appendix C

DATA ELEMENT SPECIFICATION Air Force (Continued)

Element Name	Description	Block	Size	Data Type	Originator
Serial Number Effectivity-From	Indicates the starting serial number (in a series) of an end item or basic system on which the part number is used.	43	10 A/N	Control	Contractor
Serial Number Effectivity-To	Indicates the ending serial number of an end item or basic system on which the part number is used.	44	10 A/N	Control	Contractor
Shelf Life Code	Indicates a storage or shelf-life time period for an item possessing deteriorative or unstable characteristics. Codes provided by DoD 4100.38-M.	19	1 A	Technical	Contractor/ Air Force
Source Maintenance and Recoverability-Expendability, Recoverability, Repariability, Category Codes	Indicates the source of supply, maintenance implications, and recoverability characteristics of an item. Basic to the requirements determination process.	12	6 A/N	Technical	Contractor/ Air Force
Special Handling Code	Special handling code provided to the contractor by the Provisioning activity. Data element is not used by the Air Force.	29	1	Technical	
Special Item Code	Indicates if the item is a candidate for SAIP and/or Reliability Improvement Warranty (RIW) programs.	AL	1 A	Technical	Contractor

Appendix C

DATA ELEMENT SPECIFICATION Air Force (Continued)

Element Name	Description	Block	Size	Data Type	Originator
Submission Control Code	Sequential number, beginning with 00001, which indicates the PTD submission. A number is not duplicated within the same Provisioning Contract Control Number (PCCN).	E	5 N	Control	Contractor
Substitute MMAC	The MMAC of the substitute item (block 73) when applicable.	74	2 A	Technical	Air Force
Substitute NSN	Indicates the substitute item the Air Force plans to use to support the item.	73	13 A/N	Technical	Air Force
Total Item Changes	Indicates the total number of times the line item is affected by the design change. Data element is seldom used by the Air Force.	45	2 N	Application	Contractor
Total Quantity Recommended	The recommended quantity of the item required to support a specific number of applications for a specific period of time. The support period shall be as specified in the programming checklist. (Data element is limited to LLILs.)	23	6 N	Technical	Contractor
Type of Change Code	Used to indicate changes in the PLISN. Sixth position of PLISN (block 1).	AS	1 A	Control	Contractor

Appendix C

DATA ELEMENT SPECIFICATION Air Force (Continued)

Element Name	Description	Block	Size	Data Type	Originator
Type of Item Code	Code is divided into three subfields:	27	3 A	Application	Contractor
	1. Special Material Content Code - indicates that the item represents or contains peculiar material requiring special treatment, precautions, or management control (DoD 4100.38-M). 2. Provisioning List Category Code - indicates whether the item is documented on another list or is a government furnished item (codes listed in 1552A). 3. Special Maintenance Category Code - indicates any special maintenance category applicable (codes listed in 1552A). Used for special identification purposes. Files can be interrogated and special listings developed based on the coding assigned. This data element has seldom been used in the past. It is now being used more frequently because of the Special Material Control Code which flags precious metals that should be recovered during salvage/disposal operations.				
Unit of Measure/ Unit of Issue	Indicates the unit of measure, unit of issue as defined in DoD 4100.38-M.	11	2 A	Procurement	Contractor

Appendix C

DATA ELEMENT SPECIFICATION Air Force (Continued)

Element Name	Description	Block	Size	Data Type	Originator
Unit Price	Indicates the contractors best estimate of the price per unit of issue without regard to unit pack or minimum buy quantities.	21	10 N	Procurement	Contractor
Usable on Code	Indicates specific usability such as equipment type, model, series, etc. Identifies items for special models, e.g., power supply on trainer being built for European government which uses different power source. Generally used with FMS.	14	4 A/N	Application	Contractor
Work Unit Code	An indented 5-digit code that identifies the system (2 digits), subsystem (1 digit) and LRU/Component/Part (2 digits). Equipment Specialist uses to help identify work breakdown structure for LSA assigned to every recoverable item and used for tracking maintenance/failure actions. Is a prime index for maintenance management history. MIL-19-38769A applies. Assigned late in the provisioning cycle.	AV	5 A/N	Application	Contractor

Appendix D

DATA ELEMENT SPECIFICATION Commercial

Element Name	Description	Block	Size	Data Type	Originator
Additional Nomenclature	Additional descriptive data required to further identify a keyword.	PNRV 57 (EC 52)	26 A/N	Control	Manufacturer
Addition, Deletion, or Change of P/N	Reason provided where a subject part is added, deleted, or changed.	ADRV 57 (EC 44,45)	26 A/N	Control	Manufacturer
Alternate Part Number	An item which fully meets required functional and structural specifications but differs either in overall external dimensions, connection installations, and/or mounting provisions and may require additional parts, rework, or modification to install in a specific application.	PNRV 57 (EC 36)	26 A/N	Control	Manufacturer
Catalog Sequence Number	Identifies each part and assembly in a catalog or initial provisioning deck by a standard numbering system as specified in ATA 100. Is a composition of eight other data elements.	ADRF 44	13 A/N	Control	Manufacturer
Change Code	Indicates changes to fields: N = Original transmission of record R = Revision of records D = Deletion of record(s)	PNRF 3	1 A	Data Administration	Manufacturer
Control Specification/Drawing	Outline specification or drawing to which the part must conform. First five positions: manufacturer's code of the authority for the control specification or drawing number. Remaining positions: control specification or drawing number.	PNRV 57 (EC 14)	26 A/N	Application	Manufacturer

Appendix D

DATA ELEMENT SPECIFICATION Commercial (Continued)

Element Name	Description	Block	Size	Data Type	Originator
Currency Code	Indicates the currency of the unit price.	PNRF 80	1 A/N	Procurement	Manufacturer
Customer	Identifies the customer. First two characters are as specified in ATA/IATA Reservations Interline Message Procedures. The third character is specified by the customer.	HR 147	3 A/N	Data Administration	Manufacturer
Discount	Indicates the trade discount applicable to the quoted unit price.	PNRF 84	2 A/N	Procurement	Manufacturer
Effective Date	Indicates the date (DD/MM/YY) the information contained in the part number record fixed (PNRF) file becomes effective.	PNRF 91	5 N	Procurement	Manufacturer
Effectivity	Identifies applicability to customers delivered equipment configuration. As related to aircraft, identifies the beginning and ending numbers applied consecutively to the customer's aircraft. As related to engines, shows split by engine/module serial number.	ADRF 70	6 N	Application	Manufacturer
End Item Manufacturer Code	Identifies manufacturer of the End Item.	PNRF 4	5 A/N	Control	Manufacturer

Appendix D

DATA ELEMENT SPECIFICATION Commercial (Continued)

Element Name	Description	Block	Size	Data Type	Originator
End Item Part Number	Identifies part number of the End Item on which the detail parts are used.	PNRF 9	15 A/N	Control	Manufacturer
Engine Level Maintenance	Indicates the level of maintenance for which the part is required. Levels are: On Aircraft Module Replacement Shop Visit Overhaul	ADRF 64	1 N	Application	Manufacturer
Essentiality	Indicates whether or not a part is essential to the dispatch of an airplane.	ADRF 67	1 N	Application	Manufacturer
Explanation Code	Indicates reason for change to Initial Provisioning Data or amplifies special conditions.	PNRV 57	2 N	Data Administration	Manufacturer
File Identifier	Indicates file type. S = S File and T = T File.	HR 160	1 A	Data Administration	Manufacturer
Hazardous Material Code	Identifies IATA restricted articles Code or Department of Transportation (DOT) Code. First four positions are used.	PNRV 57 (EC 32)	26 A/N	Technical	Manufacturer
Keyword	Provides the one word name of the part or material. If the noun that identifies the item exceeds eight letters, it is abbreviated in accordance with MIL-STD-12 or by deleting vowels.	PNRF 57	8 A	Control	Manufacturer

Appendix D

DATA ELEMENT SPECIFICATION Commercial (Continued)

Element Name	Description	Block	Size	Data Type	Originator
Lead Time	Specifies the applicable reorder lead time in days.	PNRF 86	3 N	Procurement	Manufacturer
Local Fabrication	Identifies the raw material, standard parts, quantities and the significant dimensions in order to manufacture parts defined as local fabrication items.	PNRV 57 (EC 38)	26 A/N	Technical	Manufacturer
Maintenance and Overhaul	Indicates whether the part is normally replaced during line maintenance or unit overhaul/repair.	ADRF 62	1 N	Application	Manufacturer
Maintenance Percentage	Indicates the percent of the removal rate estimated for line maintenance.	PNRF 140	2 N	Technical	Manufacturer
Manufacturer	Identifies the source of the design of the item, i.e., the part number authority. The FSCM code is used when available.	PNRF 39	5 A/N	Control	Manufacturer
Manufacturers Code Change	Changes to the Manufacturers Codes (FSCM) will result in the following transactions: 1. A PNRV for the old Part Number/Manufacturers Code Change Coded R. This transaction will reduce the URR, TBSV, TBO and Recommended Quantity to zero. 2. A PNRV for the old Part Number/Manufacturers Code with Explanation Code 99. The text will indicate the new Manufacturers Code in the first five positions.	PNRV 57 (EC 99)	26 A/N	Control	Manufacturer

Appendix D

DATA ELEMENT SPECIFICATION Commercial (Continued)

Element Name	Description	Block	Size	Data Type	Originator
Manufacturers Code Change (Continued)	3. A complete provisioning file record set for the new Part Number/Manufacturers Code. All records will be Change Coded N. A PNRV reflecting the old Manufacturers Code will not be transmitted. 4. The old Part Number/Manufacturers Code record set will be deleted the next up revision by transmitting a PNRF Change Coded D.				
Minimum Sales Quantity	A quantity expressed in units conforming with the unit of measure. Quantity is entered in the first five positions.	PNRV 57 (EC 56)	26 A/N	Procurement	Manufacturer
Miscellaneous Remarks	Miscellaneous data not covered by other Explanation Codes.	PNRV 57 (EC 54)	26 A/N	Data Administration	Manufacturer
Model Identification	Identifies the specific airplane/engine model to which the data file applies. Code applies only to airplane and engine manufacturers.	HR 150	2 A/N	Data Administration	Manufacturer
Nomenclature	The identifying noun or keyword and any modifying words included in the drawing title. Is consistent with the requirements of ATA 200. Where the drawing title is general in nature and does not identify the physical location or use, additional words shall be included to identify the unique location or use.			Data Administration	Manufacturer

Appendix D

DATA ELEMENT SPECIFICATION Commercial (Continued)

Element Name	Description	Block	Size	Data Type	Originator
Optional Part Numbers	Indicates a choice of interchangeable items. First five positions: manufacturer's code. Remaining positions: manufacturer's part number. The information in the procurement data segment is not applicable unless Price Type Code is 3 in the PNR.	PNRV 57 (EC 39)	26 A/N	Control	Manufacturer
Overlength Part Number	The complete part number.	PNRV 57 (EC 11)	26 A/N	Control	Manufacturer
Part Number	Identifies manufacturer's part or kit number, or supplier's assigned part or kit number.	PNRF 24	15 A/N	Control	Manufacturer
Part Number Change	Provides interchangeability information. <u>Part Number Change - One Way Interchangeable:</u> Old part number may be used as replacement only where old part number was installed. New part number is acceptable replacement for old or new part number. <u>Part Number Change - Two Way Interchangeable:</u> Old or new part number may replace either old or new part number when removed. <u>Part Number Change - Not Interchangeable:</u> When old part number is removed, it must be replaced with the old part number. When new part number is removed, it must be replaced with new part number.	ADRV 57 (EC 1,2,3,6,7)	26 A/N	Control	Manufacturer

Appendix D

DATA ELEMENT SPECIFICATION Commercial (Continued)

Element Name	Description	Block	Size	Data Type	Originator
Part Number Change (Continued)	<u>Part Number Change - Interchangeable as a Set:</u> Replacement of full quantity used in one installation. Used when the replacement comprises a set consisting of a quantity of a single part number. <u>Part Number Change - Qualified Interchangeability:</u> To be used when the above four codes do not apply. Condition of interchangeability must be explained in Explanation Code 54 record.				
Pool Item Candidate	Identifies Part Numbers which meet all of the below-listed criteria: - Unit Price greater than \$300.00. - Essentiality Code 1 or 2. - Spare Parts Classification 2 or 6. - Maintenance and Overhaul 1 or 6.	PNRV 57 (EC 75)	26 A/N	Application	Manufacturer
Price Condition	Indicates the existence of special price or source conditions.	PNRF 90	1 N	Procurement	Manufacturer
Price Type	Used to identify the type of price, or that a price is not applicable, or that the price quoted is applicable to an optional part number.	PNRF 79	1 N	Procurement	Manufacturer

Appendix D

DATA ELEMENT SPECIFICATION Commercial (Continued)

Element Name	Description	Block	Size	Data Type	Originator
Proprietary Code	Identifies basic source of part number and indicates existence of proprietary rights. NOTE: Proprietary Code is related to the originator of the data and the manufacturer. "S" File - the transmitter of the data is also the originator. "T" File - the originator of the data is the End Item manufacturer. Numeric code is used if PNRFP Part Number is the Manufacturer's Part Number. Alpha code is used if PNRFP Part Number is supplier assigned Part Number and Manufacturer's Part Number is shown in PNRV.	PNRFP 89	1 A/N	Procurement	Manufacturer
Reason for Selection	Indicates the basic reason for selection as a potential spare part, be it wear, maintenance damage, loss, vibration, corrosion, deterioration, extreme temperature, or other.	ADRF 66	1 N	Application	Manufacturer
Recommended Quantity	Represents the quantity recommended to meet the demands for the support of the overhaul/repair of the End Item to which the parts applies throughout the number of aircraft or engine flying hours mutually agreed upon. The quantity conforms to the unit of measure in the IPC or IPL. When a forecasting model is used, the parameters shall be mutually agreed upon by the manufacturer and the customer.	PNRFP 136	4 N	Technical	Manufacturer

Appendix D

DATA ELEMENT SPECIFICATION Commercial (Continued)

Element Name	Description	Block	Size	Data Type	Originator
Record Type	Identifies the type of record being transmitted, be it: Header record (HR) Part number record fixed (PNRF) Part number record variable (PNRV) Application data record fixed (ADRF) Application data record variable (ADRV)	HR 1	2 N	Data Administration	Manufacturer
Refundable Charge	Identifies the cost and condition of the refundable charge. Cost is in the first 15 positions followed by conditions.	PNRV 57 (EC 57)	26 A/N	Procurement	Manufacturer
Removal Rate Indicator	Indicates the divisor to be applied to the Unscheduled Removal/Consumption Rate.	PNRF 143	1 N	Technical	Manufacturer
Scrap Rate	The percent of the units removed from service which will be unrepairable.	PNRF 132	3 N	Technical	Manufacturer
Select From Identifier	Indicates if the part is to be selected from under-size/oversize or range groupings.	ADRF 65	1 N	Application	Manufacturer
Select Item	Identifies the quality control specification to which the item is selected. First five positions: FSCM of the authority for assigning the specification. Remaining positions: Controlling specification.	PNRV 57 (EC 13)	26 A/N	Technical	Manufacturer

Appendix D

DATA ELEMENT SPECIFICATION Commercial (Continued)

Element Name	Description	Block	Size	Data Type	Originator
Sequence Number	Indicates the initial sequence of individual record types within Explanation Codes.	PNRV 59	2 N	Data Administration	Manufacturer
Spare Part Classification	Indicates whether the item is considered by the supplier to be expendable or repairable.	PNRF 113	1 N	Technical	Manufacturer
Special Charges	Identifies the cost and condition of the special charge. Cost is in the first 12 positions followed by condition of charge.	PNRV 57 (EC 58)	26 A/N	Procurement	Manufacturer
Split Effectivity	Applicable when the Effectivity fixed fields in the ADRF are insufficient.	ADRV 57 EC 47,48)	26 A/N	Application	Manufacturer
Standard Package	Indicates supplier's standard package quantity.	PNRF 81	3 N	Procurement	Manufacturer
Standard Parts Indicator	Indicates standard and non-standard items.	ADRF 63	1 N	Application	Manufacturer
Storage Condition	Indicates the existence of special conditions which must be considered during storage by the customer. Also indicates other special considerations.	PNRF 142	1 N	Technical	Manufacturer

Appendix D

DATA ELEMENT SPECIFICATION Commercial (Continued)

Element Name	Description	Block	Size	Data Type	Originator
Text	The formatted or free form data displayed in the last 26 positions of each Explanation Code.	PNRV 64	26 A/N	Data Administration	Manufacturer
Text Counter	Identifies records with multi-text segments within a given Explanation Code.	PNRV 61	2 N	Data Administration	Manufacturer
Time/Cycles Between Overhaul	The actual interval in one end item unit flight hours or operating cycles between scheduled overhauls of one unit.	PNRF 126	6 N	Technical	Manufacturer
Time/Cycles Between Shop Visit	The actual interval in one end item unit flight hours or operating cycles between scheduled shop visits for the purpose of maintenance action other than overhaul. Element applies primarily to engines.	PNRF 120	6 N	Technical	Manufacturer
Time/Cycle Indicator	Indicates that removal rates are in hours, cycles, or landings.	PNRF 135	1 A	Technical	Manufacturer
Total Quantity	The total quantity of identical parts which are used in the assembly of a complete aircraft, engine, or supplier's unit, for the sequence number which the date represents. It is expressed in terms of the unit entry in the IPC or IPI.	ADRF 57	5 N	Application	Manufacturer

Appendix D

DATA ELEMENT SPECIFICATION Commercial (Continued)

Element Name	Description	Block	Size	Data Type	Originator
Total Records	Total number of records in the transmission. Data element used in the tape label.	Tape Label #18		Data Administration	Manufacturer
Transmission Date	Date transmitter made transmission.	HR 155	5 N	Data Administration	Manufacturer
Transmission Sequence	Indicates the sequence of data revisions.	HR 152	3 N	Data Administration	Manufacturer
Transmitter of Data	Identifies the party responsible for transmitting initial provisioning data. FSCM is used.	HR 142	5 A/N	Data Administration	Manufacturer
Unit	Specifies the unit of measure conforming to the specified unit price.	PNRF 65	2 A	Procurement	Manufacturer
Unit of Measure	Used when the unit of measure requires clarification with respect to the quantity contained in the unit of measure; e.g., number of feet per length (LG), number of yards per skein (SN), etc.	PNRV 57 (EC 80)	26 A/N	Procurement	Manufacturer
Unit Per Assembly	The quantity of a specific catalog sequence number part required in the build sequence of only one next higher sub-sub-assembly, sub-assembly, assembly, or installation as applicable. Data element is part of the IPC.			Application	Manufacturer

Appendix D

DATA ELEMENT SPECIFICATION Commercial (Continued)

Element Name	Description	Block	Size	Data Type	Originator
Unit Price	Specifies the applicable unit price expressed to two decimal places which conforms to the unit of measure.	PNRF 67	12 N	Procurement	Manufacturer
Unscheduled Removal Rate	Unscheduled removal per 1,000 flying hours or operating cycles expressed in terms of End Item unit per aircraft. Includes justified and unjustified removals. Also includes the consumption rate per 1,000 flying hours or operating cycles expressed in terms of one end item per aircraft.	PNRF 114	6 N	Technical	Manufacturer
Used on Reference	When it is required that a variant of a major assembly or other repairable item be indicated, the parts used on the specific variants will be referred to their next higher assembly in EC 50 records by indicating the manufacturer's code and part number of the next higher assembly to which the parts are to be fitted. First five positions: FSCM. Remaining positions: NHA part number.	ADRV 57 (EC 50)	26 A/N	Control	Manufacturer

Appendix B
PROVISIONING MATRIX

CONTROL DATA TYPE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
C1 /Addition, Deletion or Change Part Number			X	X	X	X	X	X	X			X	X			X			X		X	X			X				
C2 /Additional Nomenclature			X	X	X	X	X	X	X			X	X			X			X		X	X			X				
C3 /Alternate Part Number			X	X	X	X	X	X	X			X	X			X			X		X	X			X				
C4 /End Item Manufacturing Code			X	X	X	X	X	X	X			X	X			X			X		X	X			X				
C5 PSCM/Manufacturers			BM/ MB	BM/ MB	BM/ MB	BM/ MB	BM/ MB	BM/ MB	BM/ MB			BM/ MB	BM/ MB			BM/ MB			BM/ MB		BM/ MB	BM/ MB			BM/ MB				
C6 Indenture/Explanation Code			BM/ MB	BM/ MB	BM/ MB	BM/ MB	BM/ MB	BM/ MB	BM/ MB			BM/ MB	BM/ MB			BM/ MB			BM/ MB		BM/ MB	BM/ MB			BM/ MB				
C7 Item Name/Keyword			X	X	X	X	X	X	X			X	X			X			X		X	X			X				
C8 /Manufacturer Change Code			X	X	X	X	X	X	X			X	X			X			X		X	X			X				
C9 Manufacturers Part Number/Part Number			BM/ MB	BM/ MB	BM/ MB	BM/ MB	BM/ MB	BM/ MB	BM/ MB			BM/ MB	BM/ MB			BM/ MB			BM/ MB		BM/ MB	BM/ MB			BM/ MB				
C10 Next Higher Assembly P1SN/End Item Part Number			BM/ MB	BM/ MB	BM/ MB	BM/ MB	BM/ MB	BM/ MB	BM/ MB			BM/ MB	BM/ MB			BM/ MB			BM/ MB		BM/ MB	BM/ MB			BM/ MB				

Appendix E
PROVISIONING MATRIX (Continued)

CONTROL DATA TYPE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
C11 National Stock Number/ Part Number																														
C12 /Optional Part Number																														
C13 Planned Provisioning Code																														
C14 PIIN - SPIIN																														
C15 Provisioning List Item Sequence Number/Catalog Sequence Number																														
C16 Prior Item PI/ISN/ Catalog Sequence Number																														
C17 Provisioning Contract Control Number																														
C18 Reference Designation/ Part Number																														
C19 Reference Designation Code/ Explanation Code																														
Documentation Requirements																														
Contract Award/ Purchase Agreement																														
Guidance/Reprovisioning Conference																														
Interim LLL																														
Recommended LLL/ Long Lead-Time Items																														
Screening/Screening																														
IS Screening																														
SAIP																														
Provisioning Technical/ End Item Data																														
SPTD/Manufacturers (Technical) Data																														
Provisioning Conference/ Conferences/Forecasting																														
Item Cost-Price Review/ Procurement Budget Review																														
NC-ND Number																														
Initial Spares Support																														
SPTD																														
Design Change Notice/ Revision Service																														
Post Conference List																														
Requirements Determination/ Provisioning Model																														
Cataloging/Control and Cross Reference																														
Supply Support Request																														
P10/Recommended Spares/ Purchasing Division																														
P10 Funding/ Procurement Budget Review																														
Packaging/Packaging																														
Delivery Date																														
Acceptance-Rejection																														
Spares Pricing/ Procurement Budget Review																														
P10 Release/Purchase Order																														
Due-In Asset/Cash Flow																														
Operational Need Date/OND																														
Buy Back																														

Appendix E
PROVISIONING MATRIX (Continued)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Documentation Requirements																													
Contract Award/																													
Purchase Agreement																													
Guidance/Preprovisioning																													
Conference																													
Interim LLL																													
Recommended LLL/																													
Long Lead-Time Items																													
Screening/Screening																													
L&S/Screening																													
SAIP																													
Providing Technical/																													
End Item Data																													
SPTD/Manufacturers																													
Technical Data																													
Providing Conference/																													
Conferences/Forecasting																													
Item Cost-Price Review/																													
Procurement Budget Review																													
NC-NL Number																													
Initial Spares Support																													
SEAD																													
Design Change Notice/																													
Revision Service																													
Post Conference List																													
Requirements Determination/																													
Provisioning Model																													
Cataloging/Control and																													
Cross Reference																													
Supply Support Request																													
P10/Recommended Spares/																													
Purchasing Decision																													
P10 Funding/																													
Procurement Budget Review																													
Packaging/Packaging																													
Delivery Date																													
Acceptance-Rejection																													
Spares Pricing/																													
Procurement Budget Review																													
P10 Release/Purchase Order																													
Due-In Asset/Cash Flow																													
Operational Need Date/OND																													
Buy Back																													

CONTROL
DATA TYPE

- C20 Reference Number Category
Code/Catalog Sequence Number
- C21 Reference Number
Justification Code
- C22 Reference Number
Variation Code
- C23 Replaced or Superseding
PLUSN/Catalog
Sequence Number
- C24 Same as PLUSN/
Part Number
- C25 Type of Change Code/
Change Code

Appendix 3

[illegible]

Appendix B
PROVISIONING MATRIX (Continued)

APPLICATION DATA TYPE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
A11 /Pool Item Candidate																													
A12 Precious Metal Indicator Code																													
A13 Program Parts Selection List Code/Standard Parts Indicator	B/																												
A14 Quantity per Assembly/Units per Assembly	B/																												
A15 Quantity per End Item/Total Quantity	B/																												
A16 /Reason for Selection																													
A17 /Select from Identifier																													
A18 Serial Number Effectivity -From/Effectivity	B/																												
A19 Serial Number Effectivity -To/Effectivity	B/																												
Documentation Requirements																													
Contract Award/Purchase Agreement																													
Guidance/Preprovisioning Conference																													
Interim LLL																													
Recommended LLL/Long Lead-Time Items																													
Screening/Rescreening																													
ISB/Screening																													
SAIP																													
Provisioning Technical/End Item Data																													
SPTD/Manufacturers Technical Data																													
Provisioning Conference/Conferences/Forecasting																													
Item Cost-Price Review/Procurement Budget Review																													
NC-ND Number																													
Initial Spares Support																													
SEPD																													
Design Change Notice/Revision Service																													
Post Conference List																													
Requirements Determination/Provisioning Model																													
Cataloging/Control and Cross Reference																													
Supply Support Request																													
PIO/Recommended Spares/Procurement Decision																													
PIO Funding/Procurement Budget Review																													
Packaging/Packaging																													
Delivery Date																													
Acceptance-Rejection																													
Spares Pricing/Procurement Budget Review																													
PIO Release/Purchase Order																													
Due-In Asset/Cash Flow																													
Operational Need Date/OND																													
Buy Back																													

PROVISIONING MATRIX (Continued)[illegible]

APPLICATION	DATA TYPE

**A20 SMR Code/
Maintenance Overhaul**

A21 Total Items Changed

A22 Type of Item Code

**A23 Usable on Code/
Split Effectivity**

**A24 Work Unit Code/Catalog
Sequence Number**

Appendix B

PROVISIONING MATRIX (Continued)[illegible]

Appendix E

Operational Need Date/OND
Due-In Asset/Cash Flow
PIC Release/Purchase Order
Spares Pricing/
Procurement Budget Review
Acceptance-Rejection
Delivery Date
Packaging/Packaging
Procurement Budget Review
PIO Funding/
Purchasing Decision
PIO/Recommended Spares/
Supply Support Request
Cross Reference
Cataloging/Control and
Provisioning Model
Requirements Determination/
Post Conference List
Revision Service
Design Change Notice/
Revision Service
SPRD
Initial Spares Support
NC-CND Number
Item Cost-Price Review/
Procurement Budget Review
Conferences/Forecasting/
Provisioning Conference/
Technical Data
BPTD/Manufacturers
End Item Data
Provisioning Technical/
SAP
Screening/Screening
Screening/Screening
Long Lead-Time Items/
Recommended LTL/
Intermittent LTL
Guidance Reprovisioning
Conference
Purchase Agreement
Contract Award/
Reconfiguration Requirements

Appendix B
PROVISIONING MATRIX (Continued)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Documentation Requirements																													
Contract Award/																													
Purchase Agreement																													
Guidance/Preprovisioning																													
Initial LTL																													
Recommended LTL/																													
Long Lead-Time Items																													
Screening/Screening																													
Lab/Screening																													
SAIP																													
Provisioning Technical/																													
End Item Data																													
SPTD/Manufacturers																													
Technical Data																													
Provisioning Conference/																													
Conferences/Forecasting																													
Item Cost-Price Review/																													
Procurement Budget Review																													
NC-ND Number																													
Initial Spares Support																													
SRD																													
Design Change Notice/																													
Revision Service																													
Post Conference List																													
Requirements Determination/																													
Provisioning Model																													
Cataloging/Control and																													
Cross Reference																													
Supply Support Request																													
PIO/Recommended Spares/																													
Purchasing Decision																													
PIO Funding/																													
Procurement Budget Review																													
Packaging/Packaging																													
Delivery Date																													
Acceptance-Rejection																													
Spares Pricing/																													
Procurement Budget Review																													
PIO Release/Purchase Order																													
Due-In Asset/Cash Flow																													
Operational Need Data/OND																													
Buy Back																													

TECHNICAL
DATA TYPE

T21 Primary Inventory
Control Activity

T22 Select Item Reference

T23 Shelf Life Code/
Storage Condition

T24 SMR Code/
Local Fabrication

T25 SMR Code/
Spare Part Classification

T26 Special Handling Code

T27 Special Item Code

T28 Substitute MMAC

T29 Substitute NSN

T30 /Time Cycle Between Shop
Visit

T31 /Time Cycle Indicator

T32 Total Quantity Recommended/
Recommended Quantity

Appendix E
PROVISIONING MATRIX (Continued)

Appendix E PROVISIONING MATRIX (Continued)																													
PROCUREMENT DATA TYPE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
	Documentation Requirements	Contract Award/ Purchase Agreement	Guidance/Preprovisioning Conference	Interim LTL	Recommended LTL/ Long Lead-Time Items	Screening/Sourcing	IdS/Screening	SAIP	Provisioning Technical/ End Item Data	SPTD/Manufacturers Technical Data	Provisioning Conference/ Conferences/Forecasting	Item Cost-Price Review/ Procurement Budget Review	NC-ND Number	Initial Spares Support	SERD	Design Change Notice/ Revision Service	Post Conference List	Requirements Determination/ Provisioning Model	Cataloging/Control and Cross Reference	Supply Support Request	P10/Recommended Spares/ Purchasing Decision	P10 Funding/ Procurement Budget Review	Packaging/Packaging Acceptance-Rejection	Spares Pricing/ Procurement Budget Review	P10 Release/Purchase Order	Due-In Asset/Cash Flow	Operational Need Date/OND	Buy Back	
P1 /Currency Code					X MB							X MB				X MB					X MB	X MB		X MB	X MB	X MB	X MB	X MB	X MB
P2 /Discount					X MB						X MB					X MB					X MB	X MB		X MB	X MB	X MB	X MB	X MB	X MB
P3 /Effective Date					X MB						X MB					X MB					X MB	X MB		X MB	X MB	X MB	X MB	X MB	X MB
P4 Exhibit Line Item Number					X MB						X MB					X MB					X MB	X MB		X MB	X MB	X MB	X MB	X MB	X MB
P5 /Lead Time					X MB						X MB					X MB					X MB	X MB		X MB	X MB	X MB	X MB	X MB	X MB
P6 /Minimum Sales Quantity					X MB						X MB					X MB					X MB	X MB		X MB	X MB	X MB	X MB	X MB	X MB
P7 /Price Condition					X MB						X MB					X MB					X MB	X MB		X MB	X MB	X MB	X MB	X MB	X MB
P8 /Price Type					X MB						X MB					X MB					X MB	X MB		X MB	X MB	X MB	X MB	X MB	X MB
P9 Procurement Control Identifier																													
P10 Production Lead Time																													
P11 /Proprietary Code																													

POWERIONING MATRIX (Continued)

[illegible]

Appendix E
PROVISIONING MATRIX (Continued)

ADMINISTRATION DATA TYPE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
D1 Change Authority Number/ Change Code			BM/	MB/	MB/				MB/			/				MB/		/			/								
D2 Control Data			BM	MB	MB				MB																				
D3 /Customer			X	X	X				X		X	X				X			X		X	X							
D4 Date List Submitted/ Transmission Date			BM/	MB/	MB/				MB/		MB/	/				MB			/		/								
D5 Extended Remarks/ Remarks			BM/	MB/	MB/				MB/		/					MB			/		/								
D6 /File Identifier			X	X	X				X		X	X				MB			/		/								
D7 FSCM - Prime/ Manufacturer			BM/	MB/	MB/				MB/		MB/	/				MB			/		/								
D8 Long Reference Part Number Code			BM	MB	MB				MB		MB/	MB				MB			MB		MB	MB							
D9 Multiple Card Count/ Transmission Sequence			BM/	MB/	MB/				MB/		/					MB			/		/								

3

Appendix F

ACRONYMS AND ABBREVIATIONS

ACO	Administration Contract Officer
ADPE	Automated Data Processing Equipment
ADRF	Application Data Record Fixed
ADRV	Application Data Record Variable
AIA	Aerospace Industry Association
ALC	Air Logistics Center
AMIS	Acquisition Management Information System
AMP	Average Month's Program
AOG	Aircraft on Ground
ATA	Air Transport Association
BCR	Base Condemnation Rate
BFE	Buyer Furnished Equipment
CASC	Cataloging and Standardization Center
CBIL	Common and Bulk Items List
CDRL	Contract Data Requirements List
CLIN	Contract Line Item Number
CIMM	Commodity Integrated Material Manager
CMD	Catalog Management Data
DCN	Design Change Notice
DCR	Depot Condemnation Rate
DEMIL	Demilitarization
DID	Data Item Description
DIDS	Defense Integrated Data System
DLA	Defense Logistics Agency

Appendix F

ACRONYMS AND ABBREVIATIONS (Continued)

DLSC	Defense Logistics Services Center
EAIM	End Article Item Manager
EC	Explanation Code
EIPC	Engine Illustrated Parts Catalog
ELIN	Exhibit Line Item Number
ERRC	Expendability, Repairability, Recoverability Category
FMS	Foreign Military Sales
FSC	Federal Supply Classification
FSCM	Federal Supply Code for Manufacturers
GAPL	Group Assembly Parts List
GFE	Government Furnished Equipment
GSA	General Services Administration
GTA	General Terms Agreement
I&S	Interchangeability and Substitution
HR	Header Record
IMC	Item Management Code
IMM	Integrated Material Manager
IPB	Illustrated Parts Breakdown
IPC	Illustrated Parts Catalog
IPL	Illustrated Parts List
IRWL	Interchangeability Replacement Working List
ISSL	Initial Spare Support List
LLIL	Long Leadtime Item List
LSA	Logistic Support Analysis

Appendix F

ACRONYMS AND ABBREVIATIONS (Continued)

MAC	Maintenance Action Code
MAOT	Maximum Allowable Operating Time
MIPR	Military Interdepartmental Purchase Request
MIL-STD	Military Standard
MMAC	Material Management Aggregation Code
MMSR	Master Material Support Record
MOE	Major Organizational Entity
MOS	Method of Support
MPN/FSC	Manufacturer's Part Number/Federal Supply Code for Manufacturer
NC Number	Air Force Control Number
NHA	Next Higher Assembly
NINN	National Item Identification Number
NRTS	Not Repairable This Station
NSN	National Stock Number
PCCN	Provisioning Contract Control Number
PCL	Post Conference List
PCO	Principal Contracting Office
PIA	Provisioning Initiative Activity
PICA	Primary Inventory Control Activity
PIIN	Procurement Instrument Identification Number
PIO	Provisioned Item Order
PLISN	Provisioning List Item Sequence Number
PNRF	Part Number Record Fixed
PNRV	Part Number Record Variable

Appendix F

ACRONYMS AND ABBREVIATIONS (Continued)

POP	Provisioning Operational Plan
PPL	Provisioning Parts List
PPS	Provisioning Performance Schedule
PPCO	Provisioning Principal Contracting Office
PR	Purchase Request
PRS	Provisioning Requirements Statement
PTD	Provisioning Technical Documentation
QEC	Quick Engine Change
RFP	Request For Proposal
RFQ	Request For Quotation
RIL	Repairable Item List
RSO	Residual Support Operation
RSPL	Recommended Spare Parts List
S-File	File of Items in Airframe or Engine IPC
SAIP	Spares Acquisition Integrated with Production
SCC	Submission Control Code
SE	Support Equipment
SERD	Support Equipment Recommendation Data
SFPPL	Short Form Provisioning Parts List
SM	System Manager
SMR	Source, Maintenance, Recoverability
SOW	Statement of Work
SPIIN	Supplementary Procurement Instrument Identification Number
SPS	Statement of Prior Submission

Appendix F

ACRONYMS AND ABBREVIATIONS (Continued)

SPTD	Supplemental Provisioning Technical Documentation
SSR	Supply Support Request
T-File	File of Items in the IPL
TOCC	Type of Change Code
TTEL	Tools and Test Equipment List
WIMM	Weapons Integrated Material Manager
WUC	Work Unit Code

Appendix G
BRIEFING CHARTS

DATA TABLES

Table 1	Provisioning Matrix Disposition
Table 2	Data Type Event Status
Table 3-A	Provisioning Matrix Commonality - Designation Code Rank
Table 3-B	Provisioning Matrix Commonality - Event Rank
Table 4	Null Provisioning Events
Table 5-A	Unique Element Disposition - Air Force
Table 5-B	Unique Element Disposition - Commercial

FIGURES

Figure 1	Provisioning Data Disposition - Air Force/ATA
----------	---

Table 1

PROVISIONING MATRIX DISPOSITION

Summary of Report Tables 9 and 10

Data Type	Manufacturer Data			Buyer Data			Total Data
	Total	Air Force	Commercial	Total	Air Force	Commercial	
Control	376	137	239	36	34	2	412
Application	174	93	81	63	59	4	237
Technical	161	73	88	113	113	0	274
Procurement	151	62	89	56	41	15	207
Administrative	222	54	168	13	12	1	235
TOTALS	1084	419	665	281	259	22	1365

Table 2

APPLICABLE EVENT DATA TYPE

Number	Event Name	Data Type				
		Control	Application	Technical	Procurement	Administrative
01	Documentation Requirements		A	T		
02	Contract Award/Purchase Agreement	C				
03	Guidance/Preprovisioning Conference	C	A	T	P	D
04	Interim LLLL	C	A	T	P	D
05	Recommended LLL/Long Lead-Time Items	C	A	T	P	D
06	Screening/Screening	C				
07	I&S/Screening	C				
08	SAIP				P	
09	Provisioning Technical/End Item Data	C	A	T		D
10	SPTD/Manufacturers Technical Data	C				

Table 2
APPLICABLE EVENT DATA TYPE (Continued)

Number	Event Name	Data Type				
		Control	Application	Technical	Procurement	Administrative
11	Provisioning Conference/ Conferences/Forecasting		A	T		
12	Item Cost-Price Review/ Procurement Budget Review	C			P	D
13	NC-ND Number	C				
14	Initial Spares Support			T		
15	SERD	C				
16	Design Change Notice/ Revision Service	C	A	T	P	D
17	Post Conference List		A	T		
18	Requirement Determination/ Provisioning Model		A	T		
19	Cataloging/Control and Cross Reference	C	A			
20	Supply Support Request	C		T		

Table 2

APPLICABLE EVENT DATA TYPE (Continued)

Number	Event Name	Data Type			
		Control	Application	Technical	Procurement
21	Provisioned Item Order/ Recommended Spares/ Purchasing Decision	C		T	P
22	PIO Funding/Procurement Budget Review	C			
23	Packaging/Packaging	C			
24	Delivery Date Acceptance- Rejection				P
25	Spares Pricing/Procurement Budget Review	C			P
26	PIO Release/Purchase Order				P
27	Due-in Asset/Cash Flow				P
28	Operational Need Date/ Operational Need Date		A		
29	Buy Back	C			
					D

Table 3-A

PROVISIONING MATRIX COMMONALITY

Designation Code Rank

Rank	Designation Code	Code Definition
1	MB/ or BM/ MB BM	Common Air Force/Commercial Data MB or BM Applicable to an Equivalent Air Force/Commercial Provisioning Event
2	MB/, BM/ or B/ / or / MB BM	Common Air Force/Commercial Data with only Air Force Data MB, BM or B Applicable to an Event Common Air Force/Commercial Data with only Com- mercial Data MB or BM Applicable to an Event
3	MB/ or BM/ BM MB	Common Air Force/Commercial Data with either the Air Force MB and Commercial BM Applicable or the Air Force BM and Commercial MB Applicable to an Equivalent Event
4	MB, BM or B X X X X or X MB BM	Unique Air Force Data MB, BM or B Applicable to an Event Unique Commercial Data MB or BM Applicable to an Event

Table 3-B

PROVISIONING MATRIX COMMONALITY

Event Rank

Rank	Event Number	Event Name	Common Data Type
1	05	Recommended LLIL/Long Lead-Time Items	Control Application
2	09	Provisioning Technical/End Item Data	Control Application Administration
3	16	Design Change Notice/Revision Service	Control Application Administration
4	06	Screening/Screening	Control
5	07	I&S/Screening	Control
6	10	SPTD/Manufacturers Technical Data	Control
7	12	Item Cost-Price Review/Procurement Budget Review	Control Administration
8	21	PIO/Recommended Spares/Purchasing Decision	Control
9	22	PIO Funding/Procurement Budget Review	Control Administration
10	23	Packaging/Packaging	Control
11	25	Spares Pricing/Procurement Budget Review	Control Administration
12	26	PIO Release/Purchase Order	Procurement
13	27	Due-In Asset/Cash Flow	Procurement

Table 3-B

PROVISIONING MATRIX COMMONALITY (Continued)

Event Rank

Rank	Event Number	Event Name	Common Data Type
14	28	Operational Need Date/Operational Need Date	Application
15	02	Contract Award/Purchase Agreement	None
16	03	Guidance/Preprovisioning Conference	Administration
17	11	Provisioning Conference/Conferences/Forecasting	Technical
18	18	Requirement Determination/Provisioning Model	Application
19	19	Cataloging/Control and Cross Reference	Control
20	01	Documentation Requirements	Technical
21	04	Interim LLIL	Control
22	08	SAIP	Procurement
23	13	NC-ND Number	Control
24	14	Initial Spares Support	Control Technical
25	15	SERD	Control
26	17	Post Conference List	Application Technical
27	20	Supply Support Request	Control
28	24	Delivery Date Acceptance-Rejection	Application
29	29	Buy-Back	Control

Table 4
NULL PROVISIONING EVENTS

Event Reference Number	Event Name	Event Reference Number	Event Name
01	Production Decision	04-09	Provisioning Operational Plan
	Maintenance Concept		Milestones
	Provisioning Strategy		Contract/End Article Data
	Provisioning Method		Program Data
	—		PCCN Master
	PR/MIPR		—
	Programming Checklist		Suspense Management
	RFP/RFQ		—
	Preproposal Conference		Spares Lay-in
	Provisioning Performance Schedule		—
02	—	28	Microfiche
03	—		History Administration

C O M M E R C I A L

A I R F O R C E

Figure 1
PROVISIONING DATA DISPOSITION

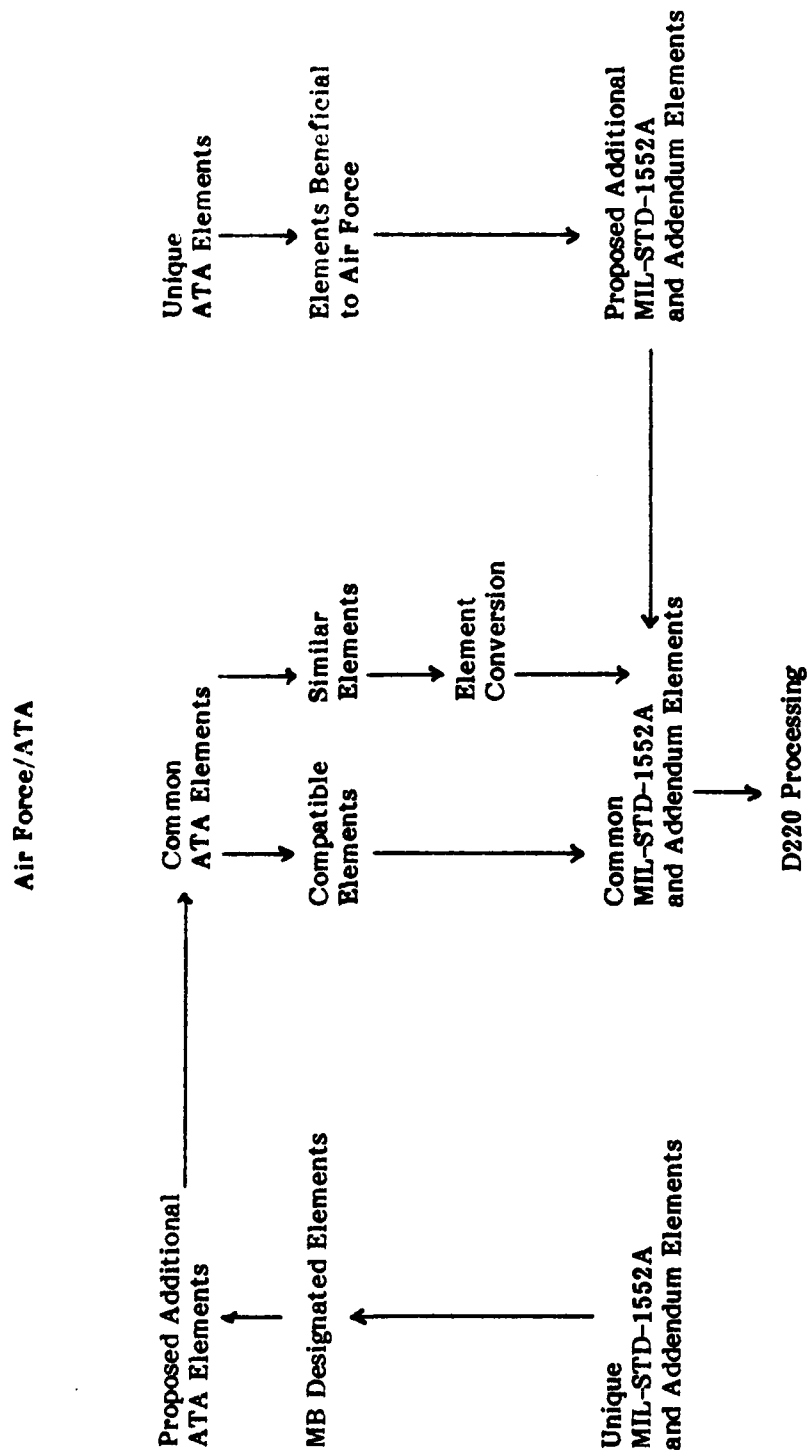


Table 5-A
UNIQUE ELEMENT DISPOSITION

Air Force

Element Name	Type	Designation Code	Usage Status	ATA Addition
Automatic Data Processing Code	Application	B	Seldom	
Contractor Turn Around Time	Technical	MB	Seldom	
Delivery Schedule	Application	B	Seldom	
Demilitarization Code	Application	B		
Document Availability Code	Technical	B		
Exhibit Line Item Number	Procurement	B		
Not Repairable This Station	Technical	MB		Candidate
Initial Supply and/or Order Support List	Technical	B	Seldom	
Item Management Code	Technical	B		
Maintenance Action Code	Technical	MB	Seldom	
Maintenance Task Distribution	Technical	Not Used		
Major Organizational Entity	Technical	B		
Material Management Aggregation Code	Technical	B		

Table 5-A
UNIQUE ELEMENT DISPOSITION (Continued)

Air Force

Element Name	Type	Designation Code	Usage Status	ATA Addition
Method of Support Code	Technical	B	Seldom	
Method of Support Modifier	Technical	B		
Mission Item Essentiality Code	Application	B		
Overhaul Quantity	Technical	Not Used		
Phased Provisioning Code	Control	MB		
Physical Security/ Pilferage Code	Application	MB		Candidate
Precious Metal Indicator Code	Application	MB		Candidate
Primary Inventory Control Activity	Technical	B		
Procurement Control Identifier	Procurement	Not Used		
Procurement Instrument Identification Number	Control	BM		
Production Lead Time	Procurement	MB		Candidate
Prorated from ELIN	Procurement	MB		Candidate

Table 5-A

UNIQUE ELEMENT DISPOSITION (Continued)

Air Force

Element Name	Type	Designation Code	Usage Status	ATA Addition
Prorated Quantity	Procurement	MB	Seldom	
Provisioning Contract Control Number	Control	BM		
Quantity Procured	Procurement	MB		Candidate
Quantity Shipped	Procurement	MB		Candidate
Reference Number Justification Code	Control	B		
Reference Number Variation Code	Control	B	Seldom	
Requisition Number	Procurement	B	Seldom	
Special Handling Code	Technical	Not Used		
Special Item Code	Technical	MB	Seldom	
Substitute MMAC	Technical	B	Seldom	
Substitute NSN	Technical	B	Seldom	
Total Items Changed	Application	MB		Candidate
Type of Item Code	Application	MB	Seldom	
Work Unit Code	Application	MB		Candidate

Table 5-B
UNIQUE ELEMENT DISPOSITION

Commercial

Element Name	Type	Designation Code	Air Force Benefit
Addition, Deletion or Change of P/N	Control	MB	*
Additional Nomenclature	Control	MB	*
Alternate Part Number	Control	MB	*
Currency Code	Procurement	MB	*
Customer	Administration	MB	*
Discount	Procurement	MB	*
Effective Date	Procurement	MB	*
End Item Manufacturing Code	Control	MB	*
Engine Level Maintenance	Application	ME	*
File Identifier	Administration	MB	*
Hazardous Material Code	Technical	MB	*
Keyword	Control	MB	*
Lead Time	Procurement	MB	*
Maintenance Percentage	Technical	MB	*
Manufacturing Change Code	Control	MB	*
Minimum Sales Quantity	Procurement	MB	*
Optional Part Numbers	Control	MB	*

*To be determined.

Table 5-B

UNIQUE ELEMENT DISPOSITION (Continued)

Commercial

Element Name	Type	Designation Code	Air Force Benefit
Pool Item Candidate	Application	MB	*
Price Condition	Procurement	MB	*
Price Type	Procurement	MB	*
Proprietary Code	Procurement	MB	*
Reason for Selection	Application	MB	*
Record Type	Administration	MB	*
Refundable Charge	Procurement	MB	*
Select from Identifier	Application	MB	*
Select from Reference	Technical	MB	*
Sequence Number	Administration	MB	*
Special Charges	Procurement	MB	*
Text	Administration	MB	*
Text Counter	Administration	MB	*
Time Cycle Between Shop Visits	Technical	MB	*
Time/Cycle Indicator	Technical	MB	*
Total Records	Administration	MB	*
Transmitter of Data	Administration	MB	*

*To be determined.