

ESD-TR-71-370, Vol. III

ESD ACCESSION LIST
TRI Call No. 75051
Copy No. 1 of 2 GVS



ANALYSIS OF DATA BASE SECURITY AND ACCESS
LIMITATION REQUIREMENTS FOR THE POST 1975
AUTOMATED TACC COMPLEX
(ANALYSIS OF TACC SECURE DATA)

October 1971

ESD RECORD COPY
RETURN TO
SCIENTIFIC & TECHNICAL INFORMATION DIVISION
(TRI), Building 1210

DEPUTY FOR PLANNING AND TECHNOLOGY
HQ ELECTRONIC SYSTEMS DIVISION (AFSC)
L. G. Hanscom Field, Bedford, Massachusetts 01730

Approved for public release;
distribution unlimited.

(Prepared under Contract No. F19628-70-C-0185 by Hughes Aircraft Company,
Ground Systems Group, Fullerton, California 92634.)

AD735730

LEGAL NOTICE

When U. S. Government drawings, specifications or other data are used for any purpose other than a definitely related government procurement operation, the government thereby incurs no responsibility nor any obligation whatsoever; and the fact that the government may have formulated, furnished, or in any way supplied the said drawings, specifications, or other data is not to be regarded by implication or otherwise as in any manner licensing the holder or any other person or conveying any rights or permission to manufacture, use, or sell any patented invention that may in any way be related thereto.

OTHER NOTICES

Do not return this copy. Retain or destroy.



ANALYSIS OF DATA BASE SECURITY AND ACCESS
LIMITATION REQUIREMENTS FOR THE POST 1975
AUTOMATED TACC COMPLEX
(ANALYSIS OF TACC SECURE DATA)

October 1971

DEPUTY FOR PLANNING AND TECHNOLOGY
HQ ELECTRONIC SYSTEMS DIVISION (AFSC)
L. G. Hanscom Field, Bedford, Massachusetts 01730

Approved for public release;
distribution unlimited.

1.0 INTRODUCTION

2.0 ANALYSIS TECHNIQUES

1.0 INTRODUCTION

The Analysis of Data Base Security and Access Limitation Requirements for the post-1975 Automated TACC Complex was conducted to provide the United States Air Force and other military agencies with detailed information concerning (a) current and completed studies which have addressed the security and access limitation problems and methods of implementation for automated information systems; (b) the determination and structuring of a TACC data base baseline; and (c) the identification of the users of TACC data and their access requirements to classified portions of the TACC data base. The data developed were to be used both in the development of incremental growth capabilities in the TACC and in the design of future automation of the TACS.

Data collected during interviews with personnel at Hqtrs. TAC, Shaw AFB, S.C., and PACAF was refined and assimilated with the data obtained through document research and reproduced in the form of a file catalog. This data is analyzed in the form of logical and easily referenced formats and matrices during the analysis phase and is contained in this document. These formats and matrices were designed to permit the rapid and thorough analysis of the data in order to determine the parameters, characteristics, and requirements relevant to the design of the data base security and access limitations for the TACC Complex data base. The conclusions arrived at by Hughes personnel as a result of analysis of the tabulated data are stated in the following paragraphs.

2.0 ANALYSIS TECHNIQUES

The analysis procedures were set up to enable the analyst to (a) determine which characteristics and parameters of the data base are relevant for the selection of security techniques, (b) retrieve the applicable data from the previously tabulated data or prepare special listings as necessary, (c) perform the analysis to determine the relative affects caused by the various relevant techniques for the protection of classified data on system parameters.

In order to realize the products of the analysis task (stated in CDRL Item A-002, Page 19a, as revised by Hughes letter "Contract F19628-70-C-0185, Data Base Security Study Contract Estimate to Complete," dated 9 September 1970, the information contained in the Data Collection Forms, Sheets 1, 2, 3 and 4 was transposed to the format for entry into the File Catalog (CDRL Item A-003). The data contained in the File Catalog was then coded and a card punched for each file. Using this card deck, a complete file listing printout was obtained. Also, through sorting of selective code entries a printout of the files grouped by security classification/file volume was obtained. These groupings of files were used to develop matrices showing (a) the nature of data in the files, (b) the format of data in the files, (c) the perishability of data in the files, (d) the perishability of the classification of classified data, and (e) the up-date rates for data in the files.

Using the above formats in the analysis effort, certain conclusions were reached. These conclusions are documented in the appropriate paragraphs of this report.

3.0 SUMMARY OF DATA BASE SECURITY STUDY TASK 2 ANALYSIS

3.0 SUMMARY OF DATA BASE SECURITY STUDY TASK 2 ANALYSIS

The objective of this section is to summarize the significant findings of the analysis of the data in the current TACC data base. Some surprising results are also included.

The most interesting results were:

- (1) The number of TACC data base files is 235.
- (2) The data base size or volume is 68,014,729 characters.
- (3) 29% of the total number of files are unclassified and represent 35% of the total volume.
- (4) The secret files are 34% of the total number of files and represent 26% of the total volume.
- (5) Files containing alphanumeric data comprise 99% of the total volume. Only one file consists of only pictorial data and comprises less than 1% of the total number of files (volume not estimated because in this CDRL volume is depicted by character count).
- (6) Files containing both pictorial and alphanumeric data comprise 11% of the total number of files and 13% of the total volume (48 facsimile Wx charts not included in these figures).
- (7) Files of mixed format such as combination of logs, TTY reports, and group displays represent 63% of the files and 45% of the volume. This factor indicates that a considerable part of the TACC data is of a duplicate nature and results in additional handling requirements.

3.0 SUMMARY OF DATA BASE SECURITY STUDY TASK 2 ANALYSIS (Continued)

(8) The perishability of the data is in excess of 30 days for

49% of the files containing 36% of the volume. Over 98% of the files containing 99% of the volume experiences a perishability of security classification of more than 30 days.

(9) Files requiring update rates of less than 6 times per day comprise 65% of the total files and 48% of the total volume.

Only 11% of the files and/or 36% of the volume require updating greater than 1 to 10 times per hour.

The reader should realize that the above facts and characteristics represent the results of a study of the current manual TACC system and extreme care must be exercised in trying to relate this data to an automation concept of the TACC. For example to consider that the storage requirement for an automated TACC data base is approximately 70 million characters would be incorrect since 45% of that volume is duplicated in some form in the TACC. However, the data base is much larger than many knowledgeable people have realized based upon the automation study efforts that have been in effect over the past three years. A thorough understanding of this study and how the data was achieved is required in order to relate this data to the automation of the TACC. Perhaps the most important factor achieved by this study is the documentation of the complete set of TACC data files in one volume for future reference and analysis studies.

A summary table of the TACC showing characteristics of file size and users is shown in Table 3.1. This table is considered useful because it indicates the important single characteristics of each of 235 files that can be used as a reference for assistance in the design of the TACC.

Table 3.2 indicates a grouping of files by function to show the type, name, size and percentage of totals. This table is particularly useful in showing the volume of files associated with the main function of the TACC such as Plans, Operations, Reports and supporting functions such as WX and Intelligence. This grouping indicates that the Airlift Group has the largest volume of data base for the TACC (39%) with the Reports Group having the second largest (17%). The combination of Plans and Operations without Airlift only has about 26% of the data base.

Table 3.3 contains a list of 14 files that have over 1 million characters.

TABLE 3-1. CHARACTERISTICS OF FILE SIZE, CLASSIFICATION AND USER

File No.	File Subject	*Highest Security Classification		No. of Users	No. of Internal Item	No. of Records	File Size (# of Characters)
		External	Internal				
1	Operations Plans	TS	1	18	8		140K
2	Operations Orders	TS	56	15	11	3	420K
3	Regulations	S	0	37	-	30	1260K
4	Defcon Status	S	90	2	2	1	64
5	Friendly Ground Situation Data	S	1	14	2	3	150K
6	Airfield Directory	S	40	20	21	100	124K
7	Daily Airfield Status	C	113	30	10	210	29.5K
8	Tactical Unit Status (Fighter)	S	23	18	10	16	2256
9	Tactical Unit Munitions Status	S	50	47	5	12	19332
10	Mission Schedule (Fighter)	S	3	20	14	186	39990
11	TACS Facility Status	S	28	23	5	156	3744
12	SAM/ADA Weapons Status	S	1	10	13	64	9920
13	Force Allocation	S	4	22	12	2	484
14	Air Defense Planning Coordinator	S	6	7	3	1	6000
15	Air Defense Priorities	TS	1	7	4	1	17500
16	Orbit Points and Routes for Air Def. Asst.	S	46	17	4	1	8750
17	Fighter Escort Requirements	S	4	18	8	29	12069
18	C1. Air Sprt. and Interdiction Request	S	3	8	21	96	34656
19	Interdiction Mission Profiles	S	0	1	6	5	2880
20	Fighter Mission Planning	S	0	3	14	62	13206
21	Restrictive Fire Plan	S	8	19	6	1	14000
22	Missile/Hot Zone Data	S	67	20	5	3	606
23	Fighter Alert Status	S	23	7	13	16	1424
24	Tactical Action Data	S	2	7	7	10	690
25	Frag Order (Fighter)	S	52	26	11	10	750
26	Action Log (Fighter ODO)	S	0	13	6	44	15840
27	Defcon Air Raid Warning Log	S	0	1	4	75	17925
28	TACC S.O.P.'s	U	0	26	2	25	87500

*The classification of a file will be the highest classification of the data contained therein.
However within a file there may be records/elements bearing a lower classification.

TABLE 3-1. CHARACTERISTICS OF FILE SIZE, CLASSIFICATION AND USER

File No.	File Subject	Highest Security Classification	No. of Users		No. of Internal Item**	No. of Records	File Size (# of Characters)	Total Size
			External	Internal				
29	Air Situation Data	U	1	9	10	1,500	75,000	
30	Ground Sensor Data	S	6	13	8	1	20,000	
31	Tactical Unit Status (Reconn.)	S	2	8	10	2	282	
32	Reconn. Acft. Alert Status	S	6	8	12	2	184	
33	Reconn. Mission Schedule	S	5	8	24	27	9,234	
34	Reconn. Mission Request	S	9	8	54	42	32,298	
35	Reconn. Acft. Characteristics	C	0	2	V	3	1750K	
36	S.O.P.'s for Recon. Duty Personnel	U	0	3	1	1	42	
37	Prag. Orders (Reconn.)	TS	10	21	12	3	135	
38	ECM Mission Schedule	S	3	8	9	12	2,868	
39	ECM Mission Recon.	S	1	11	5	18	3,294	
40	ECM Mission Requirements	S	9	11	8	36	15,480	
41	ECM Support Requirements	S	1	13	5	12	1,308	
42	ECM Data	S	6	17	16	2	420K	
43	ECM Threat Data	S	1	13	5	36	25,920	
44	Electronic Tactical Action Report (ECTAR)	S	6	3	16	54	15,066	
45	ECCM Data	S	5	16	7	2	212K	
46	Bomber Mission Data	S	5	12	14	15	11,025	
47	Contaminated Areas Notification	C	46	26	10	5	1,900	
48	NUDET Reports	U	145	30	11	10	1,500	
49	Nuclear Strike Warning	TS	8	3	11	1	2,160	
50	Nuclear Restricted Areas Warning	TS	81	2	11	6	2,400	
51	Biological/Chemical Attack Report	S	49	3	12	2	850	
52	Intended Employment of chem./Bio. wpns. rpt.	S	6	3	12	3	1,260	
53	Weapons Characteristics	TS	4	9	V	1	5,250K	
54	Inflight Intelligence report	U	25	16	7	150	45,162	
55	Enemy Air Order of Battle	S	47	20	5	160	1,462K	
56	Enemy Ground Order of Battle Summary	S	44	17	6	6,439	3,110K	

**Where "V" appears in this column, it signifies that the number of items in the file is not fixed but varies dependent upon the type, model and series of the weapons/weapons system and the type and level of conflict.

TABLE 3-1. CHARACTERISTICS OF FILE SIZE, CLASSIFICATION AND USER

File No.	File Subject	Highest Security Classification	No. of Users External	No. of Internal	No. of Item	No. of Records	File Size	Total Size (# of Characters)
57	Enemy Naval Order of Battle Summary	S	44	20	9	15	137K	
58	Enemy Comm. Order of Battle Summary	TS	44	16	9	19	173K	
59	Hot News/Spot Intelligence Reports	TS	3	13	5	18	2,898	
60	ELINT Inflight Report	S	24	12	7	12	1,644	
61	Immediate Photo Intell. Report (IPIR)	S	3	11	8	28	10,179	
62	Intelligence Summary (ISUM)	TS	1	33	6	3	31,500	
63	Electronic Order of Battle Summary	S	1	13	5	140	248K	
64	Enemy AA/SAM Order of Battle Summary	S	1	17	9	112	178K	
65	Target Priority List	TS	2	16	6	831	71,466	
66	Target Nomination List	S	3	13	5	500	41,500	
67	LZ/DZ/EZ Intelligence	S	1	10	8	8	10,560	
68	Intelligence Inputs to Frag Order	S	56	21	4	3,547	32,122	
69	Intelligence Briefing Data	TS	1	28	50	1	60K	
70	Intelligence Study	TS	1	4	71	1	17,500	
71	Intelligence Estimate	S	1	5	8	3	17,880	
72	Collection Requirements (KEI)	S	56	19	3	3	27K	
73	Intelligence Duty Personnel S.O.P.'s	U	0	3	9	1	3,500	
74	Intelligence Reports	TS	1	7	2	425	613K	
75	Mission Recommendation	S	1	13	7	555	447K	
76	ELINT Mission Request	S	1	2	12	25	6,075	
77	Ground Fire Report	S	1	29	12	20	3,780	
78	Defense Analysis	S	1	13	V	1	36K	
79	Threat Evaluation	S	1	14	V	1	3,000	
80	Mission Report (MISREP) (TACINTELL MISREP)	S	1	1	19	22	70,315	
81	Post Strike Imagery Report	S	1	1	5	118	10,620	
82	Unfile Photo Interpretation Report (UPIR)	S	1	1	14	72	60,984	
83	Consolidated Imagery Requirements	S	1	1	8	54	13,338	
84	Tactical Unit Status (SOF)	S	1	2	10	210	43,470	

TABLE 3-1. CHARACTERISTICS OF FILE SIZE, CLASSIFICATION AND USER

File No.	File Subject	Highest Security Classification	No. of Users	No. of Internal Item	No. of Records	File Size (# of Characters)
85	Psychological Warfare Mission Data (SOF)	S	3	2	6	21,000
86	Herbicide Mission Planning Data (SOP)	S	3	4	15	21,060
87	Herbicide Frag Order (SOP)	S	61	2	10	11,880
88	Psy. Warfare Frag Order (SOP)	S	6	6	10	28,080
89	Notification of Execution of Herbicide Mission (SOP)	S	12	3	5	8,760
90	Weekly Flying Schedule (SOP)	S	15	5	4	128
91	SOP for SOF Duty Personnel	U	0	4	V	7,000
92	Mission Report (MISREP) - SOP	S	17	5	9	1,485K
93	Area of Responsibility of Changes	C	42	20	2	7,000
94	Air Ground/Reporting Procedures	S	100	25	5	17,500
95	Air Terminal Control Procedures	S	117	23	5	70,000
96	Control Point Data	S	95	12	3	28,000
97	Air Traffic Identification Procedures	S	95	12	5	28,000
98	Priorities for Aerospace Use	S	45	16	4	28,000
99	Air Corridor Data	S	93	26	5	28,000
100	Free Airspace Data	S	92	27	3	140K
101	Restricted Airspace Data	S	92	26	5	3,500
102	Friendly Airspace Data	S	92	25	4	70,000
103	Air Space Utilization Plan	S	1	3	6	21,000
104	Guidance for Airspace Management	S	1	3	V	28,000
105	Air Traffic Control Instructions	S	129	6	4	420K
106	Airspace Conflict Data	S	4	22	6	52,500
107	Air Traffic Handling Capabilities	S	43	2	4	105K
108	Mission Routing Coordination	S	3	4	45	315K
109	SAR Aircraft Alert Status	S	5	5	11	9,870
110	SAR Mission Data	S	3	6	8	102K
111	SAR Mission Progress Report	S	4	7	329	27,346
112	SAR Aircraft Characteristics	S	1	1	121	1,050K

TABLE 3-1. CHARACTERISTICS OF FILE SIZE, CLASSIFICATION AND USER

File No.	File Subject	Highest Security Classification	No. of Users	No. of Internal Item	No. of Records	File Size (# of Characters)
113	SAR Duty Officer SOP	U	2	2	1	14,000
114	SAR Support Requirements	S	4	4	30	36,360
115	Tactical Unit Status Report (SAR)	S	3	3	30	5,160
116	Frag Order (SAR)	S	99	2	40	9,560
117	Mission Progress Report (SAR)	S	4	18	240	104K
118	Rescue Information Report (RESCUE)	U	3	10	20	168K
119	Area Weather Forecast	U	49	35	15	36,000
120	Terminal Weather Forecast	U	47	35	8	316K
121	Special Mission Forecast	U	49	35	13	2,633
122	Severe Weather Warning	U	49	35	3	35,820
123	Winds Shift	U	45	35	4	180
124	PAC Weather Report	U	43	1	1	12,000
125	Pilot Weather Report	U	504	2	6	210K
126	Weather Reconnaissance Report	U	41	2	1,440	471K
127	Airbase Weather Observation	U	47	2	30	7,260
128	Weather Map and Charts	U	43	24	15	1,298K
129	Radar Weather Reports	U	42	6	360	720 FACIMILES
130	Army Forces Surface Weather Observation	U	41	2	1,433	29,160
131	Weather Information Request	U	48	24	10	129K
132	Tanker Resources Available	S	2	7	10	2,710
133	Tanker Tactical Unit Status	S	1	8	173	24,200
134	Refueling Requirements	S	2	4	180	65,700
135	Tanker Frag Order	S	5	13	180	59,400
136	Tanker Mission Schedule	S	1	19	10	65,700
137	Refueling Mission Completion Report	S	19	3	360	306K
138	Tanker Aircraft Characteristics	C	5	2	25,000	35,000
139	S.O.P.'s for Tanker Duty Personnel	U	0	3	1	21,000

TABLE 3-1. CHARACTERISTICS OF FILE SIZE, CLASSIFICATION AND USER

File No.	File Subject	Highest Security Classification	No. of Users External	No. of Users Internal	No. of Item	No. of Records	File Size (# of Characters)
140	Track Data	U	1	2	10	205	75,000
141	Daily Medical Status Report (MEDREP)	U	6	4	20	90	124K
142	Medical Contingency Report (MEDCON)	S	6	4	270	124K	
143	Medical Emergency Report (MEDMER)	S	6	4	270	46,980	
144	Personnel Deployment Report (PERSDEP)	S	6	2	10	1,351	250K
145	Personnel Status Report (PERSTAT)	S	87	3	15	7,733	1,741K
146	Unit Identification System Report (UCODES)	S	17	1	18	1,346	182K
147	Civil Affairs Report (CIVAP)	S	1	2	8	90	148K
148	Claims Report (CLAIMS)	U	1	2	9	90	1,620K
149	Deployment Plan Summary Report (DEPSUM-I)	S	11	3	12	8	1,560
150	Operations Start Report (OPREP-2)	S	5	2	10	6	2,340
151	Operations Stop Report (OPREP-4)	S	13	2	11	2	316
152	Operations Event/Incident Report (OPREP-3)	S	15	2	8	720	454K
153	Commanders Situation Report (SITREP)	S	15	2	13	30	108K
154	Communications Security Report (COMSEC)	S	69	36	5	1	3,600
155	Aircrew/Aircraft Loss Report (LOSEREP)	S	19	2	8	714	1,286K
156	Installation Damage Report (INREP)	S	50	3	7	30	33,000
157	Petroleum Damage /Efficiency Rpt. (REPOL)	S	10	3	8	30	13,050
158	Aircraft Lineup Report (LINEUP)	S	40	16	3	1	890
159	Arrival Report, TACOP	S	40	12	6	195	32,760
160	Departure Report	S	40	14	9	39	5,109
161	Deviation Report	S	40	12	14	15	3,810
162	Airborne Command Post Report (ACP)	S	41	4	8	1	12,117
163	Deployment Summary Report (DEPSUM II)	S	40	3	10	15	11,430
164	Operations Summary Report (OPREP-5)	S	42	16	16	7,019	3,299K
165	Combat Activities Report (COACT)	S	47	23	17	5	70,200
166	Force Status Report (FORSTAT)	S	47	23	17	5	40,600
167	Comm. Electronics Operations Rpt. (COMOPS)	S	46	3	5	1,347	256K
168	Logistic Status Report (LOGSTAT)	S	42	2	42	1,200	1,764K

TABLE 3-1. CHARACTERISTICS OF FILE SIZE, CLASSIFICATION AND USER

File No.	File Subject	Highest Security Classification		No. of Users		No. of Records	File Size (# of Characters)
		External	Internal	No. of Item	No. of Records		
169	Airlift Frag Order	S	S	54	24	2,444	5,500K
170	Tactical Unit Status (Airlift)	C	C	12	10	361	132K
171	Mission Schedule (Airlift)	S	S	65	25	5,800	591K
172	Frag Order Remark (AIMS)	S	S	0	3	30	97,500
173	Frag Order Addresses (FODL for Airlift Frag)	U	U	46	7	65	4,599
174	Airfield Designators (AIMS)	U	U	0	1	100	4,700
175	Airfield Status	C	C	139	8	13	6,100
176	Aerial Post Equipment	C	C	40	1	4	4,000
177	Combat Control Team	C	C	0	3	6	4,500
178	Aircraft Planning Factors	U	U	0	5	4	729
179	Aircraft Resources	C	C	12	3	5	2,332
180	Aircraft Routing	U	U	0	3	5	4,200
181	Recurring Missions Schedule	U	U	7	6	15	1,617
182	Airlift Requirements	S	S	69	6	39	14,970
183	Ground Time	U	U	21	4	3	3,696
184	Reconfiguration Time	U	U	0	4	2	24
185	Major Command	U	U	1	5	2	152
186	Priority Table	U	U	0	2	2	1,026
187	Security Classification	U	U	120	37	2	140
188	Cargo Type	U	U	1	4	3	660
189	Passenger Type	U	U	1	4	2	165
190	Pallet Type	U	U	1	4	2	245
191	Daylight Hours	U	U	0	37	2	144
192	Compatible Aircraft	U	U	0	4	2	150
193	Daily Airlift Summary	U	U	1	1	V	49,000
194	Airlift Operations Report (ALOREP)	TS	TS	18	6	75	332,000
195	Airlift Aircraft Types	U	U	0	2	2	72
196	Airlift Country/Service/Operator	U	U	1	1	18	342

TABLE 3-1. CHARACTERISTICS OF FILE SIZE, CLASSIFICATION AND USE

File No.	File Subject	Highest Security Classification	No. of External Users	No. of Internal Items	No. of Records	File Size (# of Characters)
197	Airlift Operating Units	U	0	2	2	12
198	Airlift Softie Function	U	0	2	2	16
199	Airlift Mission Delay Reasons	U	0	2	2	18
200	Airlift Mission Zone Utilization Reasons	U	0	2	2	17
201	Airlift Mission Abort/Diversion Reasons	U	0	2	2	7
202	Airlift Sortie Priorities	U	0	2	2	8
203	Airlift Traffic Delay Reasons	U	0	2	2	17
204	Airlift Frag Headquarters	U	0	2	2	55
205	Agency Supported (Airlift)	U	1	1	2	18
206	Airlift Delivery Mode	U	0	2	2	5
207	Airlift Load Types	U	1	1	2	14
208	ALOREP Collection Points	U	0	2	2	3
209	Airlift Squadron/Type Aircraft	U	0	2	2	9
210	Aircraft Type/ACL	U	0	2	2	9
211	Aircraft Type/Max Speed	U	0	2	2	9
212	Military Area Code	U	0	2	2	2
213	Controllers Log Book (Airlift)	S	0	3	V	9,720
214	Traffic D.O.'s Log Book	U	25	2	14	2,250
215	Radio Operators Log Book	U	132	2	5	180,000
216	Supply/Administrative Records	U	110	5	6	90
217	KAC Code Book	S	108	6	4	3
218	Airlift S.O.R's File	U	0	10	V	10
219	Airfield Folaer	U	88	8	22	100
220	Area-Function File	S	14	24	10	5
221	Mission Number File	U	0	19	10	3
222	Special Instructions File	S	0	19	5	720
223	Base to Track (Refueling) File	S	0	21	6	450
224	Action Log (Surveillance)	S	0	7	7	4,316
						69JK

TABLE 3-1. CHARACTERISTICS OF FILE SIZE, CLASSIFICATION AND USER

File No.	File Subject	Highest Security Classification	No. of Users	No. of Internal Item	No. of Records	File Size (# of Characters)	Total Size
225	Action Log (Defensive Fighter Operers)	S	0	7	7	2,161	348K
226	Action Log (Weapons Controller)	S	0	5	7	12,962	2,087K
227	Action Log (Search and Rescue)	S	0	4	7	2,161	348K
228	Action Log (Intelligence)	S	1	3	7	2,161	348K
229	Activities Log (Reconnaissance)	S	1	4	7	4,882	786K
230	Daily Activities Log (Photo Intel. Officer)	S	0	10	7	1,080	174K
231	Daily Journal (Fighter Officer Plans)	S	0	12	7	2,161	348K
232	Daily Journal (Air Defense Officer Plans)	S	0	12	7	2,161	348K
233	Air Terminal Team File	U	55	1	20	1,345	378K
234	Casualty Staging Facility File	U	3	1	10	270	58,860
235	Inflight Team File	U	10	1	902	112K	

TABLE 3.2 FUNCTIONAL GROUP SIZE DATA

Common Functional Group

File Number	File Name	No. of Char	% of Group Total Volume
001	Operations Plans	140K	5.31
002	Operations Orders	0420K	15.9
003	Regulations	1260K	47.8
004	Defcon Status	<1	<1
006	Airfield Directory	0124K	4.71
007	Daily Airfield Status	29500	1.12
011	TACS Facility Status	03744	<1
021	Restrictive Fire Plan	14000	<1
022	Missle/Hot Zone Data	00606	<1
028	TACC SOPS	87500	3.32
029	Air Situation Data	75000	2.84
047	Contaminated Areas Notification	01900	<1
048	Nudet Reports	01500	<1
049	Nuclear Strike Warning	02160	<1
050	Nuclear Restricted Area Warning	02400	<1
094	A/G Reporting Procedures	17500	<1
095	Air Terminal Control Procedures	70000	2.65

TABLE 3.2 FUNCTIONAL GROUP SIZE DATA (Continued)

Common Functional Group (Continued)

File Number	File Name	No. of Char	% of Group Total Volume
096	Control Point Data	28000	1.06
097	Air Traffic Ident Procedures	28000	1.06
098	Priorities For Airspace Use	28000	1.06
099	Air Corridor Data	28000	1.06
100	Free Airspace Data	0140K	5.31
101	Restricted Airspace Data	03500	<1
102	Friendly Airspace Data	70000	2.65
175	Airfield Status	06100	<1
187	Security Classification	00140	<1
191	Daylight Hours	00144	<1
217	KAC Code Book	0053K	2.01
Total Common		2,634,758	100%
			3.87% of Total Data Base

TABLE 3.2 FUNCTIONAL GROUP SIZE DATA (Continued)

Common Plans and Ops Functional Group

File Number	File Name	No. of Char	% of Group Total Volume
005	Friendly Ground Situation Data	0150K	1.34
008	Tactical Unit Status-Fighter	02256	<1
009	Tactical Unit Munitions Status	19332	<1
010	Mission Schedule-Fighter	39990	<1
012	SAM/AIA Weapons Status	09920	<1
015	Air Defense Priorities	17500	<1
016	Orb PRS-Routes for Air Def Acft	08750	<1
017	Fighter Escort Requirements	12069	<1
018	CAS and Interdiction Request	34656	<1
023	Fighter Alert Status	01424	<1
025	Frag Order-Fighter	0750K	6.72
030	Ground Sensor Data	20000	1
031	Tactical Unit Status-Recon	00282	<1
032	Recon Aircraft Alert Status	00184	<1
033	Recon Mission Schedule	09234	<1
034	Recon Mission Request	32298	<1
035	Recon Aircraft Characteristics	1750K	15.68

TABLE 3.2 FUNCTIONAL GROUP SIZE DATA (Continued)
Common Plans and Ops Functional Group (Continued)

File Number	File Name	No. of Char	% of Group Total Volume
036	SOPs For Recon Duty Personnel	42000	<1
037	Frag Order-Recon	0135K	1.21
038	ECM Mission Schedule	02868	<1
041	ECM Support Requirements	01308	<1
042	ECM Data	0420K	3.76
043	ECM Threat Data	25920	<1
044	Electronic Tactical Action Report	15066	<1
045	ECCM Data	0212K	1.9
046	Bomber Mission Data	11025	<1
051	Biological/Chemical Attack Report	00850	<1
052	Intend Empl of C/B Weapons Report	01260	<1
0	Weapons Characteristics	5250K	47.05
084	Tactical Unit Status (SOF)	43470	<1
085	Psyc Warfare Mission Data (SOF)	21000	<1
087	Hericide Frag Order (SOF)	11880	<1
088	Psyc Warfare Frag Order (SOF)	28080	<1

TABLE 3.2 FUNCTIONAL GROUP SIZE DATA (Continued)
Common Plans and Opns Functional Group (Continued)

File Number	File Name	No. of Char	% of Group Total Volume
090	Weekly Flying Schedule (SOF)	00128	<1
091	SOP for SOF Duty Personnel	07000	<1
093	Area of Responsibility Changes	07000	<1
104	Guidance for Airspace Management	28000	<1
105	Air Traffic Control Instructions	0420K	3.76
106	Airspace Conflict Data	52500	<1
108	Mission Routing Coordination	0315K	2.82
109	SAR Aircraft Alert Status	09870	<1
112	SAR Aircraft Characteristics	0150K	1.34
114	SAR Support Requirements	36360	<1
115	SAR Tactical Unit Status Report	05160	<1
116	SAR Frag Order	9560	<1
133	Tactical Unit Status (Tanker)	65700	<1
134	Refueling Requirements	0640K	5.73
135	Tanker Frag Order	59400	<1
136	Mission Schedule (Tanker)	65700	<1

TABLE 3.2 FUNCTIONAL GROUP SIZE DATA (CONT'D.)

Common Plans & Opns. Functional Group (Cont'd.)

FILE NUMB	FILE NAME	NO OF CHAR	% of Group Total Volume
139	SOP S FOR TANKER DUTY PERSONNEL	21000	<1
140	TRACK DATA	75000	<1
220	AREA-FUNCTION FILE	05695	<1
222	SPECIAL INSTRUCTION FILE	69840	<1
223	BASE TO TRACK FILE-REFUELING	<u>33750</u>	<u><1</u>
	Total Common Plans & Operations	11,156,285	100%
			16.4% of Total Data Base

TABLE 3.2 FUNCTIONAL GROUP SIZE DATA (CONT'D.)

Plans Functional Group

FILE NUM	FILE NAME	NO OF CHAR	% of Group Total Volume
13	POWCE ALLOCATION	00484	<1
14	AIR DEFENSE PLANNING COORD	04000	<1
19	INTERDICTION MISSION PROFILE	2880	<1
20	FIGHTER MISSION PLANNING	13206	1.3
39	ECM MISSION RECOMMENDATION	03294	<1
40	ECM MISSION REQUIREMENTS	15480	1.5
65	TARGET PRIORITY LIST	71466	- 6.8
66	TARGET NOMINATION LIST	41500	3.9
86	MURDICE MISSION PLAN DATA SOF	21060	2.0
103	AIRSPACE UTILIZATION PLAN	21000	2.0
107	AIR TRAFFIC HANDLING CAPABILITY	0105K	10.0
132	TANKER RESOURCES AVAILABLE	24200	2.3
136	AIRCRAFT CHARACTERISTICS TANKER	35000	3.3
231	DAILY JOURNAL-FTR OFFICER PLANS	0348K	33.0
232	DAILY JOURNAL-AIR DEF OFF PLANS	0348K	33.0
	Total Plans	1,056,570	100%
			1.55% of Total Data Base

TABLE 3.2 FUNCTIONAL GROUP SIZE DATA (Continued)

Current Operations Functional Group

File Number	File Name	No. of Char	% of Group Total Volume
024	Tactical Action Data	00690	<1
026	Action Log-Ftr Ops Duty Officer	15840	<1
027	Defcon/Air Raid Warning Log	17925	<1
089	Notification-Exec-Herb-MSN (SOF)	08760	<1
092	Mission Report (Misrep) (SOF)	01485	<1
110	SAR Mission Data	0102K	1.9
111	SAR Mission Progress Report	27346	<1
113	SAR Duty Officer SOP	14000	<1
117	SAR Mission Report (MISREP)	0104K	1.9
118	Rescue Information Report	0168K	3.1
137	Refueling Mission Camp. Report	0306K	5.7
224	Action Log-Surveillance	0695K	12.9
225	Action Log-Fighter Operations	0348K	6.5
226	Action Log-Weapons Controller	2087K	38.8
227	Action Log-Search and Rescue	0348K	6.5
228	Action Log-Intelligence	0348K	6.5
229	Activity Log-RECCE	0786K	14.6
Total Operations			5,378,046
			100%
			7.9% of Total Data Base

TABLE 3.2 FUNCTIONAL GROUP SIZE DATA (Continued)

Intelligence Functional Area

File Number	File Name	No. of Characters	% of Group Total Volume
054	Inflight Intelligence Report	45162	<1
055	Enemy Air Order of Battle Smy	1462K	20.8
056	Enemy Grd Order of Battle Smy	3110K	44.4
057	Enemy Nav Order of Battly Smy	0137K	2.0
058	Enemy Comm Order of Battle Smy	0173K	2.5
059	Hot News Reports/Spot Intel Reports	2898	<1
060	Elinf Inflight Report	01644	<1
061	Immed Photo/Intelligence Report	10179	<1
062	Intelligence Summary	31500	<1
063	Enemy Elec Order of Battly Smy	0248K	3.5
064	Enemy AA/SAM Order of Battle Smy	0178K	2.5
068	Intel Inputs to Frag Order	32122	<1
069	Intelligence Briefing Data	60000	<1
070	Intelligence Study	17500	<1
071	Intelligence Estimate	17880	<1

TABLE 3.2 FUNCTIONAL GROUP SIZE DATA (Continued)

Intelligence Functional Area (Continued)

File Number	File Name	No. of Char	% of Group Total Volume
072	Collection Requirements EEI	27000	<1
073	Intel Duty Personnel SOPS	03500	<1
074	Intelligence Report	0613K	8.8
075	Mission Recommendation	0447K	6.4
076	Elint Mission Request	06075	<1
077	Ground Fire Report	03780	<1
078	Defense Analysis	36000	<1
079	Threat Evaluation	03000	<1
080	Mission Report Tacintel Misrep	70315	1.0
081	Post Strike Imagery Report	10620	<1
082	Unifile Photo Interp Report	60984	<1
083	Consolidated Imagery Requirement	13338	<1
230	Daily Activity Log-Photo Intelligence	0174K	2.5
Total Intelligence		6,995,497	100%
			10.28% of Total Data Base

TABLE 3.2 FUNCTIONAL GROUP SIZE DATA (Continued)

Airlift Functional Group

File Number	No. of Char	% of Group Total Volume
067	10560	<1
169	5500K	20.7
170	0132K	<1
171	0591K	2.2
172	97500	<1
173	04599	<1
174	04700	<1
176	04000	<1
177	04500	<1
178	00729	<1
179	44310	<1
180	04200	<1
181	0165K	<1
182	14970	<1
183	03696	<1
184	0024	<1
185	00152	<1
186	01026	<1

TABLE 3.2 FUNCTIONAL GROUP SIZE DATA (Continued)

Airlift Functional Group (Continued)

File Number	File Name	No. of Char	% of Group Total Volume
188	Cargo Type	00660	<1
189	Passenger Type	00165	<1
190	Pallet Type	00245	<1
192	Compatible Aircraft	00150	<1
193	Daily Airlift Summary	48600	<1
194	Airlift Operations Report - ALOREP	0332K	1.2
195	Airlift Aircraft Types	00072	<1
196	Airlift Country-Service-Operator	00342	<1
197	Airlift Operating Units	00156	<1
198	Airlift Sortie Function	00384	<1
199	Airlift Mission Delay Reasons	00396	<1
200	Airlift Mission Low Utilization	00476	<1
201	Airlift MSN Abort-Diversion	00196	<1
202	Airlift Sortie Priorities	00352	<1
203	Airlift Traffic Delay Reasons	00510	<1
204	Airlift Frag Headquarters	00605	<1
205	Agencies Supported-Airlift	00396	<1

TABLE 3.2 FUNCTIONAL GROUP SIZE DATA (Continued)

Airlift Functional Group (Continued)

File Number	File Name	No. of Char	% of Group Total Volume
206	Airlift Delivery Mode	00085	<1
207	Airlift Mode Types	00378	<1
208	Alorep Collection Points	00051	<1
209	Airlift Squadron-Type Aircraft	00108	<1
210	Aircraft Type ACL	00090	<1
211	Aircraft Type-Max Speed	00081	<1
212	Military Area Code	00050	<1
213	Controllers Log Book-Airlift	0486K	1.8
214	ALCC Command Post	0360K	1.4
215	Radio Operators Log Book	0018M	67.7 26.5% of the Total Data Base
216	Supply-Administrative Records	0114K	<1
218	Airlift SOPS	52500	<1
219	Airfield Folder	0075K	<1
221	Mission Number File	06807	<1
233	Air Terminal Team File	0378K	1.4
234	Casualty Staging Facility File	58560	<1
235	Inflight Team File	1112K	<1
	Total Airlift	26,612,681	100%
			39.1% of Total Data Base

TABLE 3.2 FUNCTIONAL GROUP SIZE DATA (Continued)

Reports Functional Group

File Number	File Name	No. of Char	% of Group Total Volume
142	Daily Medical Status Rpt (MEDREP)	0124K	1.06
	Medical Contingency Report (MEDCON)	0124K	1.06
143	Medical Emergency Report (MEDMER)	46980	<1
144	Personnel Deploy. Report (PERSDREP)	0250K	2.15
145	Personnel Status Report (PERSSTAT)	1741K	14.96
146	Unit ID System Report (UCODES)	0182K	1.56
147	Civil Affairs Report (CIVAF)	0148K	1.27
148	Claims Report (CLAIMS)	1620K	13.92
149	Deploy Plan Summary Report (DEPSUM1)	01560	<1
150	OPS Start Report (OPREP-2)	02340	<1
151	Operations Stop Report (OPREP-4)	00316	<1
152	Ops Event/Incident Report (OPREP-3)	0454K	3.9
153	Commanders Situation Rprt (SITREP)	0108K	<1
154	Comm Security Report (COMSEC)	03600	<1
155	Aircrew/Acft Loss Report (LOSREP)	1286K	11.05
156	Installation Damage Report (INREP)	33000	<1
157	Petro Dmge/Deficiency Report (REPOL)	13050	<1

TABLE 3.2 FUNCTIONAL GROUP SIZE DATA (Continued)

Reports Functional Group (Continued)

File Number	File Name	No. of Char	% of Group Total Volume
158	Aircraft Lineup Report (LINEUP)	00890	<1
159	Arrival Report TACOP	32760	<1
160	Departure Report, TACOP	05109	<1
161	Deviation Report	03810	<1
162	Airborne Command Post Report (ACP)	12117	<1
163	Deployment Sum Report (DEPSUM-2)	11430	<1
164	Operations Sum Report (OPREP-5)	3299K	28.35
165	Combat Activities Report (COACT)	10200	<1
166	Force Status Report (FORSTAT)	40600	<1
167	Comm Elecir Ops Report (COMOPS)	0256K	2.2
168	Logistic Status Report (LOGSTAT)	1764K	15.16
<hr/>			<hr/>
Total Operations			11,633,762
<hr/>			<hr/>
17.1% of Total Data Base			100%

TABLE 3.2 FUNCTIONAL GROUP SIZE DATA (CONT'D.)

Weather Functional Group

FILE NUMB	FILE NAME	NO OF CHAR	% of Group Total Volume
119	AREA WEATHER FORECAST	36000	1.4
120	TERMINAL WEATHER FORECAST	0316K	12.4
121	SPECIAL MISSION FORECAST	35820	1.4
122	SEVERE WEATHER WARNING	00180	<1
123	WINDS ALOFT	12000	<1
124	FAC WEATHER REPORT	0210K	8.2
125	PILOT WEATHER REPORT	0471K	18.5
126	WEATHER RECONNAISSANCE REPORT	07260	<1
127	AIRBASE WEATHER OBSERVATION	1298K	51.0
128	WEATHER MAP AND CHARTS	00000	<1
129	RADAR WEATHER REPORTS	29160	1.1
130	ARMED FORCES SURFACE WX 08 S	0129K	5.1
131	WEATHER INFORMATION REQUEST	<u>02710</u>	<1
	Total Weather	2,547,130	100%

3.74% of Total Data Base

TABLE 3.3 FILES CONTAINING OVER ONE MILLION CHARACTERS

File No.	File Name	File Classification	Number of Characters
003	Regulations	Unclassified to Secret	1,260,000
035	Recon Aircraft Characteristics	Unclassified to Confidential	1,750,000
053	Weapons Characteristics	Unclassified to Top Secret	5,250,000
055	Enemy Air Order of Battle	Secret	1,462,000
056	Enemy Ground Order of Battle	Unclassified	3,110,000
127	Airbase Weather Observations	Secret	1,298,000
145	Personnel Status Report (PERSTAT)	Unclassified	1,741,000
148	Claims Report (CLAIMS)	Secret	1,620,000
155	Aircrew/Aircraft Loss Report (LOSREP)	Secret	1,286,000
164	Operations Summary Report (OPREP-5)	Secret	3,299,000
168	Logistic Status Report (LOGSTAT)	Secret	1,764,000
169	Frag Order (Airlift)	Unclassified to Secret	5,500,000
215	Radio Operators Log Book	Unclassified	18,000,000
226	Action Log - Weapons Controller	Unclassified to Secret	2,087,000

4.0 LISTING--FILES GROUPED BY SECURITY CLASSIFICATION/VOLUME

4.0 LISTING - FILES GROUPED BY SECURITY CLASSIFICATION/VOLUME

The objective of this section is to group the data files by security classification and to show the volume of each file and the total volume of data in each category of security classification. Listed below are the categories of security classification and the table number in which the files in each category are listed.

Unclassified	Table 4.2
Confidential	Table 4.3
Secret	Table 4.4
Top Secret	Table 4.5
Unclassified to Confidential	Table 4.6
Unclassified to Secret	Table 4.7
Unclassified to Top Secret	Table 4.8
Confidential to Secret	Table 4.9
Secret to Top Secret	Table 4.10

It was discovered during the data collection phase of the study that the security classification of a file could not always be pre-determined. Sometimes the classification of the data depends on the type of operation. For example, the mission request files probably would be all unclassified in a non-combat type of operation, whereas in a nuclear combat operation they probably would contain mission requests varying from unclassified to top secret. Some files normally contain data of mixed security classifications. A good example of one of these is the airlift request file. Many airlift missions are unclassified while others are confidential or secret. As a result for purposes of this study categories of mixed security classifications have been included.

4.0 LISTING-FILES GROUPED BY SECURITY CLASSIFICATION/VOLUME (Continued)

The listings in this section are products of analysis 1 and 2 of the 15 types of analysis listed on pages 19a and 19b of the Tasks 2 and 3 Problem Definition Document, CDRL Item A-002.

Product of Analysis 1 is "A listing of all the data files in the TACC data base, grouped by security classification, showing the total volume for each file, the volume at each classification level for each file, and the totals of all volumes for all the files in each security classification group."

Product of Analysis 2 is "A listing of those files containing both classified and unclassified data and the volume of each security classification in each file."

TABLE 4.1A SUMMARY OF FILE SECURITY CLASSIFICATION

(Product of Analysis 1)

Security Classification	No. of Files	% of Total Number	Vol. of Files	% of Total Volume
Unclassified	68	28.9	24,084,917	35.41
Confidential	6	2.6	119,210	0.16
Secret	79	33.6	17,839,057	26.23
Top Secret	2	.8	4,560	0.007
Unclassified to Confidential	4	1.7	1,895,100	2.78
Unclassified to Secret	62	26.4	16,797,842	24.69
Unclassified to Top Secret	7	3.0	6,339,898	9.32
Confidential to Secret	1	.4	10,179	0.02
Secret to Top Secret	6	2.6	923,966	1.36
	235	100%	68,014,729	100%

4.0 LISTING-FILES GROUPED BY SECURITY CLASSIFICATION/VOLUME (Continued)

Table 4.1 indicates that the Secret files in the TACC Data base have the largest file population in terms of number and volume. The second largest population in the same terms is the unclassified files. In the area where classification varies, the set of files containing unclassified to secret data has the largest number and volume.

In consideration of the automated TACC design where the highest classification of data within a file will probably dictate the security technique used to access the data (unless the file structure is re-organized to reduce this property) Table 4.1B is believed to be useful. This table sums the totally confidential files with the mixed classification files of which the highest classification is confidential, and likewise for the other security classifications.

TABLE 4.1B SUMMARY OF FILE SECURITY CLASSIFICATION
(Product of Analysis 2)

Security Classification	No. of Files	% of Total Number	Vol. of Files	% of Total Volume
Unclassified	68	28.9	24,084,917	35.41
Confidential	10	4.3	2,014,310	2.96
Secret	142	60.4	34,647,078	50.92
Top Secret	<u>15</u>	6.4	<u>7,268,424</u>	<u>10.71</u>
	235	100.0%	68,014,729	100.0%

Under these conditions, it can be seen that the secret files represent over 60% of the number of files in the TACC data base and nearly 51% of the volume. Therefore, the security technique for accessing secret files should be the technique receiving the most design attention in order to achieve an optimum throughput and response time system characteristic.

TABLE 4.2. VOLUME OF UNCLASSIFIED FILES

FILE NUMB	FILE NAME	NO OF CHAR
28	TACC SOPS	87500
29	AIR SITUATION DATA	75000
36	SOPS FOR RECON DUTY PERSONNEL	42000
48	NUDET REPORTS	01500
54	INFLIGHT INTELLIGENCE REPORT	45162
73	INTEL DUTY PERSONNEL SOPS	03500
91	SOP FOR SOF DUTY PERSONNEL	07000
112	SAR AIRCRAFT CHARACTERISTICS	0150K
113	SAR DUTY OFFICER SOP	14000
119	AREA WEATHER FORECAST	36000
120	TERMINAL WEATHER FORECAST	0316K
121	SPECIAL MISSION FORECAST	35820
122	SEVERE WEATHER WARNING	00180
123	WINDS ALOFT	12000
124	FAC WEATHER REPORT	0210K
125	PILOT WEATHER REPORT	0471K
126	WEATHER RECONNISANCE REPORT	07260

TABLE 4.2. VOLUME OF UNCLASSIFIED FILES (CONTINUED)

FILE NUMB	FILE NAME	NO OF CHAR
127	AIRBASE WEATHER OBSERVATION	1298K
128	WEATHER MAP AND CHARTS	00000
129	RADAR WEATHER REPORTS	29160
130	ARMED FORCES SURFACE WX OBS	0129K
131	WEATHER INFORMATION REQUEST	02710
139	SOP S FOR TANKER DUTY PERSONNEL	21000
140	TRACK DATA	75000
148	CLAIMS RPT CLAIMS	1620K
173	FRAG ORDER ADDRESSES FODL	04599
174	AIRFIELD DESIGNATORS ALMS	04700
178	AIRCRAFT PLANNING FACTORS	00729
180	AIRCRAFT ROUTING	04200
181	RECURRING MISSIONS SCHEDULE	0165K
183	GROUND TIME	03696
184	RECONFIGURATION TIME	00024
185	MAJOR COMMAND	00152
186	PRIORITY TABLE	01026

TABLE 4.2. VOLUME OF UNCLASSIFIED FILES (CONTINUED)

FILE NUMB	FILE NAME	NO OF CHAR
187	SECURITY CLASSIFICATION	00140
188	CARGO TYPE	00660
189	PASSENGER TYPE	00165
190	PALLET TYPE	00245
191	DAYLIGHT HOURS	00144
192	COMPATIBLE AIRCRAFT	00150
193	DAILY AIRLIFT SUMMARY	48600
195	AIRLIFT AIRCRAFT TYPES	00072
196	AIRLIFT COUNTRY-SERVICE-OPERATOR	00342
197	AIRLIFT OPERATING UNITS	00156
198	AIRLIFT SORTIE FUNCTION	00384
199	AIRLIFT MISSION DELAY REASONS	00396
200	AIRLIFT MISSION LOW UTILIZATION	00476
201	AIRLIFT MSN ABORT-DIVERSION	00196
202	AIRLIFT SORTIE PRIORTIES	00352
203	AIRLIFT TRAFFIC DELAY REASONS	00510
204	AIRLIFT FRAG HEADQUARTERS	00605

TABLE 4.2. VOLUME OF UNCLASSIFIED FILES (CONTINUED)

FILE NUMB	FILE NAME	NO OF CHAR
205	AGENCIES SUPPORTED-AIRLIFT	00396
206	AIRLIFT DELIVERY MODE	00085
207	AIRLIFT MODE TYPES	00378
208	ALOREP COLLECTION POINTS	00051
209	AIRLIFT SQUADRON-TYPE AIRCRAFT	00108
210	AIRCRAFT TYPE-ACL	00090
211	AIRCRAFT TYPE-MAX SPEED	00081
212	MILITARY AREA CODE	00050
214	ALCC COMMAND POST	0360K
215	RADIO OPERATORS LOG BOOK	0018M
216	SUPPLY-ADMINISTRATIVE RECORDS	0114K
218	AIRLIFT SOPS	52500
219	AIRFIELD FOLDER	0075K
221	MISSION NUMBER FILE	06807
233	AIR TERMINAL TEAM FILE	0378K
234	CASUALTY STAGING FACILITY FILE	58860
235	INFLIGHT TEAM FILE	0112K

TABLE 4.3. VOLUME OF CONFIDENTIAL FILES

FILE NUMB	FILE NAME	NO OF CHAR
7	DAILY AIRFIELD STATUS	29500
47	CONTAMINATED AREAS NOTIFICATION	01900
138	AIRCRAFT CHARACTERISTICS TANKER	35000
176	AERIAL PORT EQUIPMENT	04000
177	COMBAT CONTROL TEAM	04500
179	AIRCRAFT RESOURCES	44310

TABLE 4.4. VOLUME OF SECRET FILES

FILE NUMB	FILE NAME	NO OF CHAR
5	FRIENDLY GROUND SITUATION DATA	0150K
8	TACTICAL UNIT STATUS-FIGHTER	02256
9	TACTICAL UNIT MUNITIONS STATUS	19332
10	MISSION SCHEDULE-FIGHTER	39990
12	SAM/ADA WEAPONS STATUS	09920
20	FIGHTER MISSION PLANNING	13206
21	RESTRICTIVE FIRE PLAN	14000
23	FIGHTER ALERT STATUS	01424
25	FRAG ORDER-FIGHTER	0750K
26	ACTION LOG-FTR OPS DUTY OFFICER	15840
27	DEFCON/AIR RAID WARNING LOG	17925
30	GROUND SENSOR DATA	20000
32	RECON AIRCRAFT ALERT STATUS	00184
33	RECON MISSION SCHEDULE	09234
38	ECM MISSION SCHEDULE	02868
39	ECM MISSION RECOMMENDATION	03294
40	ECM MISSION REQUIREMENTS	15480

TABLE 4.4. VOLUME OF SECRET FILES (CONTINUED)

FILE NUMB	FILE NAME	NO OF CHAR
41	ECM SUPPORT REQUIREMENTS	01308
42	ECM DATA	0420K
43	ECM THREAT DATA	25920
44	ELECTRONIC TACTICAL ACTION RPRT	15066
45	ECCM DATA	0212K
51	BIOLOGICAL/CHEMICAL ATTACK RPRT	00850
52	INTEND EMPL OF C/B WEAPONS RPRT	01260
55	ENEMY AIR ORDER OF BATTLE SMY	1462K
56	ENEMY GRD ORDER OF BATTLE SMY	3110K
57	ENEMY NAV ORDER OF BATTLE SMY	0137K
60	EL INT INFLIGHT REPORT	01644
63	ENEMY ELEC ORDER OF BATTLE SMY	0248K
64	ENEMY AA/SAM ORDER OF BATTLE SMY	0178K
66	TARGET NOMINATION LIST	41500
67	LZ/DZ/EZ INTELLIGENCE	10560
68	INTEL INPUTS TO FRAG ORDER	32122
71	INTELLIGENCE ESTIMATE	17880

TABLE 4.4. VOLUME OF SECRET FILES (CONTINUED)

FILE NUMB	FILE NAME	NO OF CHAR
78	DEFENSE ANALYSIS	36000
79	THREAT EVALUATION	03000
80	MISSION REPORT TACINTELL MISREP	70315
82	UNIFILE PHOTO INTERP REPORT	60984
83	CONSOLIDATED IMAGERY REQUIREMENT	13338
84	TACTICAL UNIT STATUS SOF	43470
85	PSYC WARFARE MISSION DATA SOF	21000
87	HERICIDE FRAG ORDER SOF	11880
88	PSYC WARFARE FRAG ORDER SOF	28080
89	NOTIFICATION-EXEC-HERB-MSN SOF	08760
92	MISSION REPORT MISREP SOF	01485
99	AIR CORRIDOR DATA	28000
110	SAR MISSION DATA	0102K
115	SAR TACTICAL UNIT STATUS REPORT	05160
116	SAR FRAG ORDER	9560
117	SAR MISSION REPORT MISREP	0104K
118	RESCUE INFORMATION REPORT	0168K

TABLE 4.4. VOLUME OF SECRET FILES (CONTINUED)

FILE NUMB	FILE NAME	NO OF CHAR
132	TANKER RESOURCES AVAILABLE	24200
135	TANKER FRAG ORDER	59400
136	MISSION SCHEDULE TANKER	65700
137	REFUELING MISSION COMP. REPORT	0306K
142	MEDICAL CONTINGENCY RPT MEDCON	0124K
143	MEDICAL EMERGENCY RPT MEDMER	46980
144	PERSONNEL DEPLOY. RPT PERSDEP	0250K
145	PERSONNEL STATUS RPT PERSTAT	1741K
147	CIVIL AFFAIRS RPT CIVAF	0148K
149	DEPLOY PLAN SUMMARY RPT DEPSUM1	01560
150	OPS START RPT OPREP-2	02340
152	OPNS EVENT/INCIDENT RPT OPREP-3	0454K
153	COMMANDERS SITUATION RPRT SITREP	0108K
154	COMM SECURITY REPORT COMSEC	03600
155	AIRCREW/ACFT LOSS REPORT LOSREP	1286K
156	INSTALLATION DAMAGE RPRT INREP	33000
157	PETRO DMGE/DEFICIENCY RPT REPOL	13050

TABLE 4.4. VOLUME OF SECRET FILES (CONTINUED)

FILE NUMB	FILE NAME	NO OF CHAR
162	AIRBORNE COMMAND POST RPRT ACP	12117
163	DEPLOYMENT SUM RPRT DEPSUM-2	11430
164	OPERATIONS SUM RPRT OPREP-5	3299K
165	COMBAT ACTIVITIES REPORT COACT	70200
166	FORCE STATUS REPORT FORSTAT	40600
168	LOGISTIC STATUS REPORT LOGSTAT	1764K
172	FRAG ORDER REMARKS ALMS	97500
217	KAC CODE BOOK	0053K
220	AREA-FUNCTION FILE	05695
222	SPECIAL INSTRUCTION FILE	69840
223	BASE TO TRACK FILE-REFUELING	33750

TABLE 4.5. VOLUME OF TOP SECRET FILES

FILE NUMB	FILE NAME	NO OF CHAR
49	NUCLEAR STRIKE WARNING	02160
50	NUCLEAR RESTRICTED AREA WARNING	02400

TABLE 4.6. VOLUME OF UNCLASSIFIED TO CONFIDENTIAL FILES

FILE NUMB	FILE NAME	NO OF CHAR
35	RECON AIRCRAFT CHARACTERISTICS	1750K
93	AREA OF RESPONSIBILITY CHANGES	07000
170	TACTICAL UNIT STATUS AIRLIFT	0132K
175	AIRFIELD STATUS	06100

TABLE 4.7. VOLUME OF UNCLASSIFIED TO SECRET FILES

FILE NUMB	FILE NAME	NO OF CHAR
3	REGULATIONS	1260K
4	DEFCON STATUS	00064
6	AIRFIELD DIRECTORY	0124K
11	TACS FACILITY STATUS	03744
13	FORCE ALLOCATION	00484
14	AIR DEFENSE PLANNING COORD	06000
16	ORB PTS-ROUTES FOR AIR DEF ACFT	08750
17	FIGHTER ESCORT REQUIREMENTS	12069
18	CAS AND INTERDICTION REQUEST	34656
19	INTERDICTION MISSION PROFILE	2880
22	MISSLE/HOT ZONE DATA	00606
24	TACTICAL ACTION DATA	00690
31	TACTICAL UNIT STATUS-RECON	00282
34	RECON MISSION REQUEST	32298
46	BOMBER MISSION DATA	11025
72	COLLECTION REQUIREMENTS EEI	27000
75	MISSION RECOMMENDATION	0447K

TABLE 4.7 VOLUME OF UNCLASSIFIED TO SECRET FILES
(CONTINUED)

FILE NUMB	FILE NAME	NO OF CHAR
76	EL INT MISSION REQUEST	06075
77	GROUND FIRE REPORT	03780
81	POST STRIKE IMAGERY REPORT	10620
86	HERBICIDE MISSION PLAN DATA SOF	21060
90	WEEKLY FLYING SCHEDULE SOF	00128
94	A/G REPORTING PROCEDURES	17500
95	AIR TERMINAL CONTROL PROCEDURES	70000
96	CONTROL POINT DATA	28000
97	AIR TRAFFIC IDENT PROCEDURES	28000
98	PRIOTITIES FOR AIRSPACE USE	28000
100	FREE AIRSPACE DATA	0140K
101	RESTRICTED AIRSPACE DATA	03500
102	FRIENDLY AIRSPACE DATA	70000
103	AIRSPACE UTILIZATION PLAN	21000
104	GUIDANCE FOR AIRSPACE MANAGEMENT	28000
105	AIR TRAFFIC CONTROL INSTRUCTIONS	0420K
106	AIRSPACE CONFLICT DATA	52500

TABLE 4.7. VOLUME OF UNCLASSIFIED TO SECRET FILES
(CONTINUED)

FILE NUMB	FILE NAME	NO OF CHAR
107	AIR TRAFFIC HANDLING CAPABILITY	0105K
108	MISSION ROUTING COORDINATION	0315K
109	SAR AIRCRAFT ALERT STATUS	09870
111	SAR MISSION PROGRESS REPORT	27346
114	SAR SUPPORT REQUIREMENTS	36360
133	TACTICAL UNIT STATUS TANKER	65700
134	REFUELING REQUIREMENTS	0640K
141	DAILY MEDICAL STATUS RPT MEDREP	0124K
146	UNIT ID SYSTEM RPT UCODES	0182K
151	OPERATIONS STOP REPORT OPREP-4	00316
158	AIRCRAFT LINEUP REPORT LINEUP	00890
159	ARRIVAL REPORT, TACOP	32760
160	DEPARTURE REPORT, TACOP	05109
161	DEVIATION REPORT	03810
167	COMM ELECTR OPNS RPRT COMOPS	0256K
169	FRAG ORDER AIRLIFT	5500K
171	MISSION SCHEDULE AIRLIFT	0591K

TABLE 4.7. VOLUME OF UNCLASSIFIED TO SECRET FILES
 (CONTINUED)

FILE NUMB	FILE NAME	NO OF CHAR
182	AIRLIFT REQUIREMENTS	14970
213	CONTROLLERS LOG BOOK-AIRLIFT	0486K
224	ACTION LOG-SURVEILLANCE	0695K
225	ACTION LOG-FIGHTER OPERATIONS	0348K
226	ACTION LOG-WEAPONS CONTROLLER	2087K
227	ACTION LOG-SEARCH AND RESCUE	0348K
228	ACTION LOG-INTELLIGENCE	0348K
229	ACTIVITY LOG-RECCE	0786K
230	DAILY ACTIVITY LOG-PHOTO INTELL	0174K
231	DAILY JOURNAL-FTR OFFICER PLANS	0348K
232	DAILY JOURNAL-AIR DEF OFF PLANS	0348K

TABLE 4.8. VOLUME OF UNCLASSIFIED TO TOP SECRET FILES

FILE NUMB	FILE NAME	NO OF CHAR
1	OPERATIONS PLANS	0140K
2	OPERATIONS ORDERS	0420K
37	FRAG ORDER-RECON	0135K
53	WEAPONS CHARACTERISTICS	5250K
59	HOT NEWS RPTS/SPOT INTEL RPTS	02898
69	INTELLIGENCE BRIEFING DATA	60000
194	AIRLIFT OPERATIONS REPORT-ALOREP	0332K

TABLE 4.9. VOLUME OF CONFIDENTIAL TO SECRET FILES

FILE NUMB	FILE NAME	NO OF CHAR
61	IMMED PHOTO/INTELLIGENCE REPORT	10179

TABLE 4.10. VOLUME OF SECRET TO TOP SECRET FILES

FILE NUMB	FILE NAME	NO OF CHAR
15	AIR DEFENSE PRIORITIES	17500
58	ENEMY COMM ORDER OF BATTLE SMY	0173K
62	INTELLIGENCE SUMMARY	31500
65	TARGET PRIORITY LIST	71466
70	INTELLIGENCE STUDY	17500
74	INTELLIGENCE REPORT	0613K

5.0 MATRIX SHOWING THE NATURE OF DATA IN THE FILES

5.0 MATRIX SHOWING THE NATURE OF DATA IN THE FILES

The objective of this section is to show the distribution of data by its nature, i.e., textual, pictorial, numerical, tabular, and mixed.

The meanings of these data types are:

Textual - prose, to include the remarks items in files
which are otherwise tabular or numerical.

Pictorial - maps, overlays, photos, facsimiles,
situation displays.

Numerical - Data consisting of numbers.

Tabular - Alphanumeric data arranged in tables.

Mixed - Files which may include data in two or more natures, such as textual and tabular, and files which may exist in two or more separate natures, such as ground situation data which is transmitted in tabular form then displayed in pictorial form on a situation display.

Files are grouped by security classification and the volumes are entered in the matrix so that the total volume of data in terms of number of characters of each security classification associated with each nature can easily be determined. Most of the data files were found to be of a mixed nature. In this case, the volume of the file is entered under the "mixed" column only and an "X" is entered under each nature of data found for that file. This matrix enables easy comparisons of the amounts of data of each nature contained in the current manual TACC files. The following listing shows the table numbers for each security classification.

5.0 MATRIX SHOWING THE NATURE OF DATA IN THE FILES (Continued)

Table 5.2	Unclassified
Table 5.3	Confidential
Table 5.4	Secret
Table 5.5	Top Secret
Table 5.6	Unclassified to Confidential
Table 5.7	Unclassified to Secret
Table 5.8	Unclassified to Top Secret
Table 5.9	Confidential to Secret
Table 5.10	Secret to Top Secret

Table 5.1A is a summary of the analysis of the nature of data in the current TACC data base. It shows the number of files and volume of data in terms of number of characters for each of the classification categories. It was found during this analysis that 53% of the files and 44% of the volume of the files are in the "mixed" category.

Textual and tabular data account for nearly all of the other data types in terms of both number of files and volume of files, with pictorial and numerical data accounting for less than 2% of the total number of files and less than 1% of the total volume of files.

Table 5.1B shows the breakdown of the various mixtures of nature of data of the files in the "mixed" category. This analysis indicates that nearly one fourth (23%) of the volume of data in the data base is mixed textual and tabular. Only a relatively insignificant volume of the mixed category does not contain textual data. Therefore, the percentage of textual, numerical and tabular data with the percentage of mixed data of the same categories shows that nearly all of the total number and a volume

5.0 MATRIX SHOWING THE NATURE OF DATA IN THE FILES (Continued)

of the data base is concerned with this type of data. Of this whole, only about 12% of the number and volume of data is associated with pictorial or mixed pictorial data. Only one file was found to be totally pictorial, but 26 of the files of mixed nature contain pictorial data. This factor may be significant in the selection of the mix of textual versus graphic displays that would be required in the automation of the TACC. It is, however, unknown whether certain pictorial representations of data could reduce the amount of alphanumeric type data carried in the TACC data base. A study of this factor may be warranted to examine these above-mentioned facts.

TABLE 5.1A. SUMMARY OF ANALYSIS OF NATURE OF DATA

File Class.	TOTAL		TEXTUAL		PICTORIAL		NUMERICAL		TABULAR		MIXED	
	No.	Volume	No.	Volume	No.	Volume	No.	Volume	No.	Volume	No.	Volume
U	68	24,084,917	14	20,816,680	1	XXXX	2	18,807	32	259,733	19	2,989,697
C	6	119,210	2	36,900	0	---	0	---	3	52,810	1	29,500
S	79	17,839,057	15	1,378,617	0	---	1	184	7	211,728	56	16,248,528
TS	2	4,560	2	4,560	-	-	-	-	-	-	-	-
U-C	4	1,895,100	0	---	0	---	0	---	2	138,100	2	1,757,000
U-S	62	16,797,842	23	7,895,817	0	---	0	---	3	594,872	36	8,307,153
U-T-S	7	6,339,898	2	555,000	0	---	0	---	0	---	5	5,784,898
C-S	1	10,179	0	---	0	---	0	---	0	---	1	10,179
S-TS	6	923,966	2	49,000	0	---	0	---	0	---	4	874,966
TOTAL	235	68,014,729	60	30,736,574	1	XXXX	3	18,991	47	1,257,243	124	36,001,921
% TOTAL	100%	100%	26%	45%	< 1%	0	1%	< 1%	20%	2%	53%	53%

TABLE 5.1B. SUMMARY OF MIXED DATA

File Class.	No.	MIXED Volume	TEXT' /TAB' No.	TEXT' /NUM' Volume	TEXT' /PIC' No.	PIC' /TAB' Volume	NUM' /TAB' No.	TEXT /PIC /TAB' Volume	TEXT /NUM /TAB' No.	TEXT /PIC /NUM' Volume
U	19	2,989,697	14	2,797,778	0	---	2	110,820	1	4,599
C	1	29,500	1	29,500	-	-	-	-	1,1500	0
S	56	16,248,528	38	10,577,338	4	151,956	5	268,354	1	20,000
TS	-	-	-	-	-	-	-	-	1	178,000
U-C	2	1,757,000	0	---	0	---	1	1,750,000	0	---
U-S	36	8,307,153	22	7,170,765	6	776,782	6	346,856	0	---
U-T-S	5	5,784,898	2	334,898	0	---	2	5,310,000	0	1,9870
C-S	1	10,179	0	---	0	---	1	10,179	0	1,140,000
S-TS	4	874,966	1	71,466	0	---	-	-	2	630,500
TOTAL	124	36,001,921	78	20,981,345	10	928,738	17	7,796,209	2	95,000
%	TOTAL	53%	53%	31%	4%	1%	7%	11%	<1%	<1%
									3%	1%
									3%	8%
									<1%	<1%

TABLE 5.2. NATURE OF DATA IN UNCLASSIFIED FILES

FILE NUMB	FILE NAME	TEXT	PICT	NUM	TAB	MIXED
28	TACC SOPS	87500	X			
29	AIR SITUATION DATA		X			
36	SOPs FOR RECON DUTY PERSONNEL	42000				
48	NUDET REPORTS	X	X		X	01500
54	INFLIGHT INTELLIGENCE REPORT	X			X	45162
73	INTEL DUTY PERSONNEL SOPs	03500				
91	SOP FOR SOF DUTY PERSONNEL	X			X	07000
112	SAR AIRCRAFT CHARACTERISTICS	0150K				
113	SAR DUTY OFFICER SOP	14000				
119	AREA WEATHER FORECAST	36000				
120	TERMINAL WEATHER FORECAST	0316K				
121	SPECIAL MISSION FORECAST	X	X			35820
122	SEVERE WEATHER WARNING	00180				
123	WINDS ALOFT			12000		
124	FAC WEATHER REPORT	X			X	0210K
125	PILOT WEATHER REPORT	X			X	0471K
126	WEATHER RECONNISANCE REPORT				X	07260

TABLE 5.2. NATURE OF DATA IN UNCLASSIFIED FILES (CONTINUED)

FILE NUMB	FILE NAME	TEXT	PICT	NUM	TAB	MIXED
127	AIRBASE WEATHER OBSERVATION	X			X	1298K
128	WEATHER MAP AND CHARTS			00000		
129	RADAR WEATHER REPORTS	X			X	29160
130	ARMED FORCES SURFACE WX OBS	X			X	0129K
131	WEATHER INFORMATION REQUEST	X			X	02710
139	SOP S FOR TANKER DUTY PERSONNEL	21000				
140	TRACK DATA			75000		
148	CLAIMS RPT CLAIMS			1620K		
173	FRAG ORDER ADDRESSES FOOL		X		X	04599
174	AIRFIELD DESIGNATORS ALMS				04700	
178	AIRCRAFT PLANNING FACTORS				00729	
180	AIRCRAFT ROUTING				04200	
181	RECURRING MISSIONS SCHEDULE				0165K	
183	GROUND TIME				03696	
184	RECONFIGURATION TIME				00024	
185	MAJOR COMMAND				00152	
186	PRIORITY TABLE	X			X	01026

TABLE 5.2. NATURE OF DATA IN UNCLASSIFIED FILES (CONTINUED)

FILE NUMB	FILE NAME	TEXT	PICT	NUM	TAB	MIXED
187	SECURITY CLASSIFICATION					00140
188	CARGO TYPE				X	00660
189	PASSENGER TYPE					00165
190	PALLET TYPE					00245
191	DAYLIGHT HOURS					00144
192	COMPATIBLE AIRCRAFT					00150
193	DAILY AIRLIFT SUMMARY	X				X
195	AIRLIFT AIRCRAFT TYPES					00072
196	AIRLIFT COUNTRY-SERVICE-OPERATOR					00342
197	AIRLIFT OPERATING UNITS					00156
198	AIRLIFT SORTIE FUNCTION					00384
199	AIRLIFT MISSION DELAY REASONS					00396
200	AIRLIFT MISSION LOW UTILIZATION					00476
201	AIRLIFT MSN ABORT-DIVERSION					00196
202	AIRLIFT SORTIE PRIORITIES					00352
203	AIRLIFT TRAFFIC DELAY REASONS					00510
204	AIRLIFT FRAG HEADQUARTERS					00605

TABLE 5.2. NATURE OF DATA IN UNCLASSIFIED FILES (CONTINUED)

FILE NUMB	FILE NAME	TEXT	PICT	NUM	TAB	MIXED
205	AGENCIES SUPPORTED-AIRLIFT			00396		
206	AIRLIFT DELIVERY MODE			00085		
207	AIRLIFT MODE TYPES			00378		
208	ALOREP COLLECTION POINTS			00051		
209	AIRLIFT SQUADRON-TYPE AIRCRAFT			00108		
210	AIRCRAFT TYPE-ACL			00090		
211	AIRCRAFT TYPE-MAX SPEED			00081		
212	MILITARY AREA CODE			00050		
214	ALCC COMMAND POST			0360K		
215	RADIO OPERATORS LOG BOOK			0018M		
216	SUPPLY-ADMINISTRATIVE RECORDS			0114K		
218	AIRLIFT SOPs			52500		
219	AIRFIELD FOLDER	X	X		0075K	
221	MISSION NUMBER FILE			06807		
233	AIR TERMINAL TEAM FILE	X			0378K	X
234	CASUALTY STAGING FACILITY FILE	X			58860	X
235	INFLIGHT TEAM FILE	X			0112K	X

TABLE 5. 3. NATURE OF DATA IN CONFIDENTIAL FILES

FILE NUMB	FILE NAME	TEXT	PICT	NUM	TAB	MIXED
7	DAILY AIRFIELD STATUS	X			X	29500
47	CONTAMINATED AREAS NOTIFICATION	01900				
138	AIRCRAFT CHARACTERISTICS TANKER	35000				
176	AERIAL PORT EQUIPMENT	04000				
177	COMBAT CONTROL TEAM	04500				
179	AIRCRAFT RESOURCES	44310				

TABLE 5.4. NATURE OF DATA IN SECRET FILES

FILE NUMB	FILE NAME	TEXT	PICT	NUM	TAB	MIXED
5	FRIENDLY GROUND SITUATION DATA	X	X			0150K
8	TACTICAL UNIT STATUS-FIGHTER	X				02256
9	TACTICAL UNIT MUNITIONS STATUS	19332				
10	MISSION SCHEDULE-FIGHTER	X		X		39990
12	SAM/ADA WEAPONS STATUS			09920		
20	FIGHTER MISSION PLANNING				13206	
21	RESTRICTIVE FIRE PLAN	14000				
23	FIGHTER ALERT STATUS	X		X		01424
25	FRAG ORDER-FIGHTER			0750K		
26	ACTION LOG-FTR OPS DUTY OFFICER			15840		
27	DEFCON/AIR RAID WARNING LOG	X	X			17925
30	GROUND SENSOR DATA		X		X	20000
32	RECON AIRCRAFT ALERT STATUS			00184		
33	RECON MISSION SCHEDULE				09234	
38	ECM MISSION SCHEDULE				02868	
39	ECM MISSION RECOMMENDATION	X			X	03294
40	ECM MISSION REQUIREMENTS	X	X	X	X	15480

TABLE 5.4. NATURE OF DATA IN SECRET FILES (CONTINUED)

FILE NUMB	FILE NAME	TEXT	PICT	NUM	TAB	MIXED
41	ECM SUPPORT REQUIREMENTS	X			X	01308
42	ECM DATA	X			X	0420K
43	ECM THREAT DATA	X			X	25920
44	ELECTRONIC TACTICAL ACTION RPRT	X			X	15066
45	ECCM DATA	X			X	0212K
51	BIOLOGICAL/CHEMICAL ATTACK RPRT	00850				
52	INTEND EMPL OF C/B WEAPONS RPRT	01260				
55	ENEMY AIR ORDER OF BATTLE SHY	X		X	X	1462K
56	ENEMY GRD ORDER OF BATTLE SHY	X		X	X	3110K
57	ENEMY NAV ORDER OF BATTLE SHY	X		X	X	0137K
60	EL INT INFILIGHT REPORT	X		X	X	01644
63	ENEMY ELEC ORDER OF BATTLE SHY	X		X	X	0248K
64	ENEMY AA/SAM ORDER OF BATTLE SHY	X	X		X	0178K
66	TARGET NOMINATION LIST	X				41500
67	LZ/DZ/EZ INTELLIGENCE	X	X			10560
68	INTEL INPUTS TO FRAG ORDER				X	32122
71	INTELLIGENCE ESTIMATE					17880

TABLE 5.4. NATURE OF DATA IN SECRET FILES (CONTINUED)

FILE NUMB	FILE NAME	TEXT	PICT	NUM	TAB	MIXED
78	DEFENSE ANALYSIS	36000			X	03000
79	THREAT EVALUATION	X			X	70315
80	MISSION REPORT TACINTELL MISREP	X			X	60984
82	UNIFILE PHOTO INTERP REPORT	X				
83	CONSOLIDATED IMAGERY REQUIREMENT	13338	X			
84	TACTICAL UNIT STATUS SOF	X			X	43470
85	PSYC WARFARE MISSION DATA SOF	21000				
87	HERICIDE FRAG ORDER SOF	X			X	11880
88	PSYC WARFARE FRAG ORDER SOF	X			X	28080
89	NOTIFICATION-EXEC-HERB-MSN SOF	X			X	08760
92	MISSION REPORT MISREP SOF	X			X	01485
99	AIR CORRIDOR DATA	X			X	28000
110	SAR MISSION DATA	X			X	0102K
115	SAR TACTICAL UNIT STATUS REPORT	X			X	05160
116	SAR FRAG ORDER	X			X	09560
117	SAR MISSION REPORT MISREP	X			X	0104K
118	RESCUE INFORMATION REPORT	X			X	0168K

TABLE 5:4. NATURE OF DATA IN SECRET FILES (CONTINUED)

FILE NUMB	FILE NAME	TEXT	PICT	NUM	TAB	MIXED
132	TANKER RESOURCES AVAILABLE	X				24200
135	TANKER FRAG ORDER		X			
136	MISSION SCHEDULE TANKER				65700	
137	REFUELING MISSION COMP. REPORT	0306K	X			
142	MEDICAL CONTINGENCY RPT MEDCON	X				X 0124K
143	MEDICAL EMERGENCY RPT MEDMER	X				X 46980
144	PERSONNEL DEPLOY. RPT PERSDEP	X				X 0250K
145	PERSONNEL STATUS RPT PERSTAT	X				X 1741K
147	CIVIL AFFAIRS RPT CIVAF	X				X 0148K
149	DEPLOY PLAN SUMMARY RPT DEPSUM1	X				X 01560
150	OPS START RPT OPREP-2	X				X 02340
152	OPNS EVENT/INCIDENT RPT OPREP-3	X				X 0454K
153	COMMANDERS SITUATION RPRT SITREP	0108K				
154	COMM SECURITY REPORT COMSEC	03600				
155	AIRCREW/ACFT LOSS REPORT LOSREP	X				X 1286K
156	INSTALLATION DAMAGE RPRT INREP	X				X 33000
157	PETRO DMGE/DEFICIENCY RPT REPOL	X				X 13050

TABLE 5.4. NATURE OF DATA IN SECRET FILES (CONTINUED)

FILE NUMB	FILE NAME	TEXT	PICT	NUM	TAB	MIXED
162	AIRBORNE COMMAND POST RPRT ACP	12117			X	11430
163	DEPLOYMENT SUM RPRT DEPSUM-2	X				
164	OPERATIONS SUM RPRT OPREP-5	X			X	3299K
165	COMBAT ACTIVITIES REPORT COACT					70200
166	FORCE STATUS REPORT FORSTAT					40600
168	LOGISTIC STATUS REPORT LOGSTAT	X			X	1764K
172	FRAG ORDER REMARKS ALMS	X				97500
217	KAC CODE BOOK	X			X	0053K
220	AREA-FUNCTION FILE	X	X			05695
222	SPECIAL INSTRUCTION FILE	X		X	X	69840
223	BASE TO TRACK FILE-REFUELING	X		X		33750

TABLE 5.5. NATURE OF DATA IN TOP SECRET FILES

FILE NUMB	FILE NAME	TEXT	PICT	NUM	TAB	MIXED
49	NUCLEAR STRIKE WARNING			02160		
50	NUCLEAR RESTRICTED AREA WARNING			02400		

TABLE 5.6. NATURE OF DATA IN UNCLASSIFIED TO
CONFIDENTIAL FILES

FILE NUMB	FILE NAME	TEXT	PICT	NUM	TAB	MIXED
35	RECON AIRCRAFT CHARACTERISTICS	X	X			01750K
93	AREA OF RESPONSIBILITY CHANGES	X	X	X		07000
170	TACTICAL UNIT STATUS AIRLIFT					0132K
175	AIRFIELD STATUS					06100

TABLE 5.7. NATURE OF DATA IN UNCLASSIFIED TO SECRET FILES

FILE NUMB	FILE NAME	TEXT	PICT	NUM	TAB	MIXED
3	REGULATIONS	1260K				
4	DEFCON STATUS	00064				
6	AIRFIELD DIRECTORY	X			X	0124K
11	TACS FACILITY STATUS			03744		
13	FORCE ALLOCATION	00484				
14	AIR DEFENSE PLANNING COORD	06000				
16	ORB PTS-ROUTES FOR AIR DEF ACFT	X	X			08750
17	FIGHTER ESCORT REQUIREMENTS	12069				
18	CAS AND INTERDICTION REQUEST	X			X	34656
19	INTERDICTION MISSION PROFILE	X	X			02880
22	MISSLE/HOT ZONE DATA	X	X			00606
24	TACTICAL ACTION DATA	X			X	00690
31	TACTICAL UNIT STATUS-RECON	X			X	00282
34	RECON MISSION REQUEST	X			X	32298
46	BOMBER MISSION DATA	X			X	11025
72	COLLECTION REQUIREMENTS EEI	27000				
75	MISSION RECOMMENDATION	X			X	0447K

TABLE 5.7. NATURE OF DATA IN UNCLASSIFIED TO SECRET FILES
(CONTINUED)

FILE NUMB	FILE NAME	TEXT	PICT	NUM	TAB	MIXED
76	EL INT MISSION REQUEST	X			X	06075
77	GROUND FIRE REPORT	X			X	03780
81	POST STRIKE IMAGERY REPORT	X			X	10620
86	HERBICIDE MISSION PLAN DATA SOF	X	X			21060
90	WEEKLY FLYING SCHEDULE SOF		X	X	X	00128
94	A/G REPORTING PROCEDURES	17500				
95	AIR TERMINAL CONTROL PROCEDURES	70000				
96	CONTROL POINT DATA	X			X	28000
97	AIR TRAFFIC IDENT PROCEDURES	X			X	28000
98	PRIORITIES FOR AIRSPACE USE	28000				
100	FREE AIRSPACE DATA	X	X			0140K
101	RESTRICTED AIRSPACE DATA	X		X		03500
102	FRIENDLY AIRSPACE DATA	X		X		70000
103	AIRSPACE UTILIZATION PLAN	21000				
104	GUIDANCE FOR AIRSPACE MANAGEMENT	X			X	28000
105	AIR TRAFFIC CONTROL INSTRUCTIONS	X			X	0420K
106	AIRSPACE CONFLICT DATA	X			X	52500

TABLE 5.7. NATURE OF DATA IN UNCLASSIFIED TO SECRET FILES
(CONTINUED)

FILE NUMB	FILE NAME	TEXT	PICT	NUM	TAB	MIXED
107	AIR TRAFFIC HANDLING CAPABILITY	0105K				
108	MISSION ROUTING COORDINATION	0315K	X	X	X	09870
109	SAR AIRCRAFT ALERT STATUS				X	27346
111	SAR MISSION PROGRESS REPORT	X			X	
114	SAR SUPPORT REQUIREMENTS	X			X	36360
133	TACTICAL UNIT STATUS TANKER	65700				
134	REFUELING REQUIREMENTS	X	X			0640K
141	DAILY MEDICAL STATUS RPT MEDREP	X			X	0124K
146	UNIT ID SYSTEM RPT UCODES	X			X	0182K
151	OPERATIONS STOP REPORT OPREP-4	X			X	00316
158	AIRCRAFT LINEUP REPORT LINEUP	X			X	00890
159	ARRIVAL REPORT, TACOP	X			X	32760
160	DEPARTURE REPORT, TACOP	X			X	05109
161	DEVIATION REPORT	X			X	03810
167	COMM ELECTR OPS RPT COMOPS	X			X	0256K
169	FRAG ORDER AIRLIFT	X			X	5500K
171	MISSION SCHEDULE AIRLIFT					0591K

TABLE 5.7. NATURE OF DATA IN UNCLASSIFIED TO SECRET FILES
(CONTINUED)

FILE NUMB	FILE NAME	TEXT	PICT	NUM	TAB	MIXED
182	AIRLIFT REQUIREMENTS	X				X 14970
213	CONTROLLERS LOG BOOK-AIRLIFT	0486K				
224	ACTION LOG-SURVEILLANCE	0695K				
225	ACTION LOG-FIGHTER OPERATIONS	0348K				
226	ACTION LOG-WEAPONS CONTROLLER	2087K				
227	ACTION LOG-SEARCH AND RESCUE	0348K				
228	ACTION LOG-INTELLIGENCE	0348K				
229	ACTIVITY LOG-RECCE	0786K				
230	DAILY ACTIVITY LOG-PHOTO INTELL	0174K				
231	DAILY JOURNAL-FTR OFFICER PLANS	0348K				
232	DAILY JOURNAL-AIR DEF OFF PLANS	0348K				

TABLE 5.8. NATURE OF DATA IN UNCLASSIFIED
TO TOP SECRET FILES

FILE NUMB	FILE NAME	TEXT	PICT	NUM	TAB	MIXED
1	OPERATIONS PLANS	X	X		X	0140K
2	OPERATIONS ORDERS			0420K		
37	FRAG ORDER-RECON			0135K		
53	WEAPONS CHARACTERISTICS	X	X			5250K
59	HOT NEWS RPRTS/SPOT INTEL RPRTS	X			X	02898
69	INTELLIGENCE BRIEFING DATA	X	X			60000
194	AIRLIFT OPERATIONS REPORT-ALOREP	X	X		X	0332K

TABLE 5.9. NATURE OF DATA IN CONFIDENTIAL
TO SECRET FILES

FILE NUMB	FILE NAME	TEXT	PICT	NUM	TAB	MIXED
61	IMMED PHOTO/INTELLIGENCE REPORT	X	X	X		10179

TABLE 5.10. NATURE OF DATA IN SECRET TO TOP SECRET FILES

FILE NUMB	FILE NAME	TEXT	PICT	NUM	TAB	MIXED
15	AIR DEFENSE PRIORITIES	17500			X	X 0173K
58	ENEMY COMM ORDER OF BATTLE SMY	X			X	
62	INTELLIGENCE SUMMARY	31500				
65	TARGET PRIORITY LIST	X			X	71466
70	INTELLIGENCE STUDY	X			X	17500
74	INTELLIGENCE REPORT	X		X	X	0613K

6.0 MATRIX SHOWING THE FORMAT OF DATA IN THE FILES

6.0 MATRIX SHOWING THE FORMAT OF DATA IN THE FILES

The objective of this section is to present an easily discernible distribution of current TACC data by file format. The 15 formats listed are the formats in which the data was found in the current TACC Complex, which are (1) Forms, (2) Log, (3) Documents, (4) Maps, (5) Overlays, (6) Books, (7) Notebooks, (8) Group Display, (9) Photo, (10) TTY Printout, (11) Facsimile, (12) File Folder, (13) Letter, (14) Mixed, and (15) Other Formats. In many cases, the data was found to be contained in several formats. For example, tactical unit status is normally received in the form of a TTY message, posted to a group display and recorded in a log. For files of more than one format, the volume of the file is recorded in the mixed category only so as not to show duplication in the matrix. The following listing developed from analysis of file catalog data contained in CDRL A003 shows the table numbers for each security classification:

Table 6.2 Unclassified

Table 6.3 Confidential

Table 6.4 Secret

Table 6.5 Top Secret

Table 6.6 Unclassified to Confidential

Table 6.7 Unclassified to Secret

Table 6.8 Unclassified to Top Secret

Table 6.9 Confidential to Secret

Table 6.10 Secret to Top Secret

Table 6.1 indicates a summary of the number of files and the volume of data in terms of numbers of characters for each of 9 security classifications of data in each of the 15 data formats. This analysis shows that 63% of the files containing 45% of the file volume is associated with the Mixed Data Format. Of the remaining file data, 5% of the files containing

6.0 MATRIX SHOWING THE FORMAT OF DATA IN THE FILES (Continued)

26% of the file volume was concerned with the log data format and 9% of the files containing 20% of the file volume was concerned with the TTY printout data format.

It is also interesting to note that the largest file in terms of physical size in the current TACC, which is the Group Display, contains only 1% of the total volume of data if we disregard the mixed category. This file type, however, is accessable at a quick glance by all users located in the TACC and has the advantage of being a common data base which certainly improves the overall effectivess of operations.

Another interesting factor is that data is duplicated in the Mixed data format resulting in the duplication of data handling and an analysis of these areas should reveal significant savings of file type, size and data handling requirements through the use of a common data base for automation of the TACC (See Section 11.0).

THIS PAGE INTENTIONALLY BLANK

TABLE 6.1 - SUMMARY OF DATA CONCERNING FORMATS OF THE FILES

Security Classification	TOTAL		FORM		LOG		DOCUMENT		BOOK		NOTEBOOK	
	No. Files	Amount	No.	Volume	No.	Volume	No.	Volume	No.	Volume	No.	Volume
Unclassified	68	24,084.917			1	18,000,000					1	42,000
Confidential	6	119,210									1	35,000
Secret	79	17,839,057	1	13,206	1	15,840	3	156,590				
Top Secret	2	4,560										
Unclassified to Confidential	4	1,895,100									1	1,750,000
Unclassified to Secret	62	16,797,842	1	32,298	10	5,968,000	2	1,384,000				
Unclassified to Top Secret	7	6,339,898									1	420,000
Confidential to Secret	1	10,179										
Secret to Top Secret	6	923,966										
TOTAL	235	68,014,729	2	45,504	12	23,983,840	7	3,710,590	1	35,000	1	42,000
Percent of Total	100	100	18	5%	35%	5%	18	18	18	18	18	18

DEFINITIONS:

FORM - A printed or typed document with blank spaces for insertion of information. Serves as a temporary record of events/item. May be transferred into the action log later.

LOG - A permanent record book for recording events/items as they occur. Each duty position will maintain a log.

DOCUMENT - An original or official paper containing information useable in the planning/operations function.

BOOK - A printed and bound document containing relatively static information/data used for reference.

NOTEBOOK - A looseleaf book for recording memoranda of a temporary nature.

TABLE 6.1 - SUMMARY OF DATA CONCERNING FORMATS OF THE FILES
 (Continued)

Security Classification	GROUP		DISPLAY		TTY PRINTOUT		FACSIMILE		FILE FOLDER		MIXED		OTHER No.	Volume
	No.	Volume	No.	Volume	No.	Volume	No.	Volume	No.	Volume	No.	Volume		
Unclassified					1		3	550,860	29	5,201,699	33	190,358		
Confidential	1	1,900							1	29,500	3	52,810		
Secret	14	8,485,914							59	9,070,007	1	97,500		
Top Secret	2	4,560												
Unclassified to Confidential									2	139,000	1	6,100		
Unclassified to Secret	1	64	3	15,290					44	9,383,220	1	14,970		
Unclassified to Top Secret									6	5,919,898				
Confidential to Secret										1	10,179			
Secret to Top Secret														
TOTAL	1	64	20	8,507,664	1	3	550,860	148	30,777,469	39	361,738			
Percent of Total	< 1%	< 1%	9%	13%	< 1%	< 1%	63%	45%	45%	17%	< 1%			

NOTE: No data contained in the following categories-
 MAP; OVERLAY; PHOTO; and LETTER.

TABLE 6.2A. FORMAT OF UNCLASSIFIED FILES

FILE NUMB	FILE NAME	FACS	TTY	BOOK	GP DISP	MIXED
28	TACC SOPS				87500	
29	AIR SITUATION DATA				75000	
48	NUDET REPORTS				01500	
54	INFILIGHT INTELLIGENCE REPORT				45162	
73	INTEL DUTY PERSONNEL SOPS				03500	
91	SOP FOR SOF DUTY PERSONNEL				07000	
112	SAR AIRCRAFT CHARACTERISTICS				0150K	
113	SAR DUTY OFFICER SOP				14000	
119	AREA WEATHER FORECAST				36000	
120	TERMINAL WEATHER FORECAST				0316K	
121	SPECIAL MISSION FORECAST				35820	
122	SEVERE WEATHER WARNING				00180	
123	WINDS ALOFT				12000	
124	FAC WEATHER REPORT				0210K	
125	PILOT WEATHER REPORT				0471K	
126	WEATHER RECONNISSANCE REPORT				07260	
127	AIRBASE WEATHER OBSERVATION				1298K	

TABLE 6.2A. FORMAT OF UNCLASSIFIED FILES (CONTINUED)

FILE NUMB	FILE NAME	FAC S	TTY	BOOK	DISP	GP	MIXED
128	WEATHER MAP AND CHARTS					48*	
129	RADAR WEATHER REPORTS					29160	
130	ARMED FORCES SURFACE WX OBS					0129K	
131	WEATHER INFORMATION REQUEST					02710	
139	SOP S FOR TANKER DUTY PERSONNEL					21000	
140	TRACK DATA					75000	
148	CLAIMS RPT CLAIMS					1620K	
193	DAILY AIRLIFT SUMMARY					48600	
214	ALCC COMMAND POST					0360K	
218	AIRLIFT SOP'S					52500	
219	AIRFIELD FOLDER					0075K	
221	MISSION NUMBER FILE					06807	
235	INFLIGHT TEAM FILE					0112K	

*FACSIMILE COUNT IS IN NUMBER OF PAGES NOT CHARACTERS

TABLE 6.2B. FORMAT OF UNCLASSIFIED FILES

FILE NUMB	FILE NAME	FORM	LOG	DOCUM	FILE FOLD	NOTE BOOK
36	SOPs FOR RECON DUTY PERSONNEL					42000
215	RADIO OPERATORS LOG BOOK	0018M				
216	SUPPLY-ADMINISTRATIVE RECORDS				0114K	
233	AIR TERMINAL TEAM FILE				0378K	
234	CASUALTY STAGING FACILITY FILE				58860	

TABLE 6.2C. FORMAT OF UNCLASSIFIED FILES

NUMBER	FRAG ORDER ADDRESSES	FILE NAME	OTHER
173	F001	F001	04599
174	AIRFIELD DESIGNATORS	ALMS	04700
178	AIRCRAFT PLANNING FACTORS		00729
180	AIRCRAFT ROUTING		04200
181	RECURRING MISSIONS SCHEDULE		0165K
183	GROUND TIME		03696
184	RECONFIGURATION TIME		00024
185	MAJOR COMMAND		00152
186	PRIORITY TABLE		01026
187	SECURITY CLASSIFICATION		00140
188	CARGO TYPE		00660
189	PASSENGER TYPE		00165
190	PALLET TYPE		00245
191	DAYLIGHT HOURS		00144
192	COMPATIBLE AIRCRAFT		00150
195	AIRLIFT AIRCRAFT TYPES		00072
196	AIRLIFT COUNTRY-SERVICE-OPERATOR		00342
197	AIRLIFT OPERATING UNITS		00156

TABLE 6.2C. FORMAT OF UNCLASSIFIED FILES

FILE

NUMB	FILE NAME	OTHER
198	AIRLIFT SORTIE FUNCTION	00384
199	AIRLIFT MISSION DELAY REASONS	00396
200	AIRLIFT MISSION LOW UTILIZATION	00476
201	AIRLIFT MSN ABORT-DIVERSION	00196
202	AIRLIFT SORTIE PRIORITIES	00352
203	AIRLIFT TRAFFIC DELAY REASONS	00510
204	AIRLIFT FRAG HEADQUARTERS	00605
205	AGENCIES SUPPORTED-AIRLIFT	00396
206	AIRLIFT DELIVERY MODE	00085
207	AIRLIFT MODE TYPES	00378
208	ALOREP COLLECTION POINTS	00051
209	AIRLIFT SQUADRON-TYPE AIRCRAFT	00108
210	AIRCRAFT TYPE-ACL	00090
211	AIRCRAFT TYPE-MAX SPEED	00081
212	MILITARY AREA CODE	00050

TABLE 6.3A. FORMAT OF CONFIDENTIAL FILES

FILE NUMB	FILE NAME	FACS	TTY	BOOK	GP DISP	MIXED
7	DAILY AIRFIELD STATUS					29500
47	CONTAMINATED AREAS NOTIFICATION					01900
138	AIRCRAFT CHARACTERISTICS TANKER					35000

TABLE 6. 3B. FORMAT OF CONFIDENTIAL FILES

NUMBER	FILE NAME	OTHER
176	AERIAL PORT EQUIPMENT	04000
177	COMBAT CONTROL TEAM	04500
179	AIRCRAFT RESOURCES	44310

TABLE 6.4A. FORMAT OF SECRET FILES

FILE NUMB	FILE NAME	FACS	TTY	BOOK	GP DISP	MIXED
5	FRIENDLY GROUND SITUATION DATA				0150K	
8	TACTICAL UNIT STATUS-FIGHTER				02256	
9	TACTICAL UNIT MUNITIONS STATUS				19332	
10	MISSION SCHEDULE-FIGHTER				39990	
12	SAM/ADA WEAPONS STATUS				09920	
21	RESTRICTIVE FIRE PLAN				14000	
23	FIGHTER ALERT STATUS				01424	
25	FRAG ORDER-FIGHTER				0750K	
27	DEFCON/AIR RAID WARNING LOG				17925	
30	GROUND SENSOR DATA				20000	
32	RECON AIRCRAFT ALERT STATUS				00184	
33	RECON MISSION SCHEDULE				09234	
38	ECH MISSION SCHEDULE				02868	
39	ECH MISSION RECOMMENDATION				03294	
40	ECH MISSION REQUIREMENTS				15480	
41	ECH SUPPORT REQUIREMENTS				01308	
42	ECH DATA				0420K	

TABLE 6.4A. FORMAT OF SECRET FILES (CONTINUED)

FILE NUMB	FILE NAME	FACS	TTY	BOOK	DISP or or	MIXED
43	ECH THREAT DATA				25920	
44	ELECTRONIC TACTICAL ACTION RPT				15066	
45	ECCM DATA				0212K	
51	BIOLOGICAL/CHEMICAL ATTACK RPT				00850	
52	INTEND EMPL OF C/B WEAPONS RPT				01260	
55	ENEMY AIR ORDER OF BATTLE SMY				1462K	
56	ENEMY GRD ORDER OF BATTLE SMY				3110K	
57	ENEMY NAV ORDER OF BATTLE SMY				0137K	
60	EL INT INFILIGHT REPORT				01644	
63	ENEMY ELEC ORDER OF BATTLE SMY				0248K	
64	ENEMY AA/SAM ORDER OF BATTLE SMY				0178K	
66	TARGET NOMINATION LIST				41500	
67	LZ/DZ/EZ INTELLIGENCE				10560	
68	INTEL INPUTS TO FRAG ORDER				32122	
71	INTELLIGENCE ESTIMATE				17880	
78	DEFENSE ANALYSIS				36000	
79	THREAT EVALUATION				03000	

TABLE 6.4A. FORMAT OF SECRET FILES (CONTINUED)

FILE NUMB	FILE NAME	FACS	TTY	BOOK	GP DISP	MIXED
80	MISSION REPORT TACINTELL MISREP				70315	
82	UNIFILE PHOTO INTERP REPORT				60984	
83	CONSOLIDATED IMAGERY REQUIREMENT				13338	
84	TACTICAL UNIT STATUS SOF				43470	
85	PSYC WARFARE MISSION DATA SOF				21000	
87	HERICIDE FRAG ORDER SOF				11880	
88	PSYC WARFARE FRAG ORDER SOF				28080	
89	NOTIFICATION-EXEC-HERB-MSN SOF				08760	
92	MISSION REPORT MISREP SOF				01485	
99	AIR CORRIDOR DATA				28000	
110	SAR MISSION DATA				0102K	
115	SAR TACTICAL UNIT STATUS REPORT				05160	
116	SAR FRAG ORDER				5560	
117	SAR MISSION REPORT MISREP				0104K	
118	RESCUE INFORMATION REPORT				0168K	
132	TANKER RESOURCES AVAILABLE				24200	
135	TANKER FRAG ORDER				59400	

TABLE 6.4A. FORMAT OF SECRET FILES (CONTINUED)

FILE NUMB	FILE NAME	FAC S	TTY	BOOK	GP DISP	MIXED
136	MISSION SCHEDULE TANKER				65700	
137	REFUELING MISSION COMP. REPORT				0306K	
142	MEDICAL CONTINGENCY RPT MEDCON				0124K	
143	MEDICAL EMERGENCY RPT MEDMER				46980	
144	PERSONNEL DEPLOY. RPT PER SDEP				0250K	
145	PERSONNEL STATUS RPT PERSTAT				1741K	
147	CIVIL AFFAIRS RPT CIVAF				0148K	
149	DEPLOY PLAN SUMMARY RPT DEPSUM1				01560	
150	OPS START RPT OPREP-2				02340	
152	OPNS EVENT/INCIDENT RPT OPREP-3				0454K	
153	COMMANDERS SITUATION RPRT SITREP				0108K	
154	COMM SECURITY REPORT COMSEC				03600	
155	AIRCREW/ACFT LOSS REPORT LOSREP				1286K	
156	INSTALLATION DAMAGE RPRT INREP				33000	
157	PETRO DMGE/DEFICIENCY RPT REPOL				13050	
162	AIRBORNE COMMAND POST RPRT ACP					12117
163	DEPLOYMENT SUM RPRT DEPSUM-2					11430

TABLE 6.4A. FORMAT OF SECRET FILES (CONTINUED)

FILE NUMB	FILE NAME	FACS	TTY	BOOK	GP DISP	MIXED
164	OPERATIONS SUM RPRT OPREP-5				3299K	
165	COMBAT ACTIVITIES REPORT COACT				70200	
166	FORCE STATUS REPORT FORSTAT					40600
168	LOGISTIC STATUS REPORT LOGSTAT				1764K	
220	AREA-FUNCTION FILE				05695	

TABLE 6.4B. FORMAT OF SECRET FILES

FILE NUMB	FILE NAME	FORM	LOG	DOCUM	FILE FOLD	FILE NOTE BOOK
20	FIGHTER MISSION PLANNING		13206			
26	ACTION LOG-FTR OPS DUTY OFFICER		15840			
217	KAC CODE BOOK			0053K		
222	SPECIAL INSTRUCTION FILE			69840		
223	BASE TO TRACK FILE-REFUELING			33750		

TABLE 6. 4C. FORMAT OF SECRET FILES

FILE NUMB	FRAG	ORDER	REMARKS	FILE NAME	OTHER
172			ALMS		97500

TABLE 6.5. FORMAT OF TOP SECRET FILES

FILE NUMB	FILE NAME	FACS	TTY	BOOK	GP DISP	MIXED
49	NUCLEAR STRIKE WARNING			02160		
50	NUCLEAR RESTRICTED AREA WARNING			02400		

TABLE 6.6A. FORMAT OF UNCLASSIFIED TO
CONFIDENTIAL FILES

FILE NUMB	FILE NAME	FAC S	TTY	BOOK	DISP	GP	MIXED
93	AREA OF RESPONSIBILITY CHANGES					07000	
170	TACTICAL UNIT STATUS AIRLIFT					0132K	

TABLE 6.6B. FORMAT OF UNCLASSIFIED TO
CONFIDENTIAL FILES

FILE NUMB	FILE NAME	FORM	LOG	DOCUM	FILE FOLD	NOTE BOOK
35	RECON AIRCRAFT CHARACTERISTICS					1750K

TABLE 6.6C. FORMAT OF UNCLASSIFIED TO
CONFIDENTIAL FILES

FILE NUMB	FILE NAME AIRFIELD STATUS	OTHER
175		06100

TABLE 6.7A. FORMAT OF UNCLASSIFIED TO SECRET FILES

FILE NUMB	FILE NAME	FAC S	TTY	BOOK	GP DISP	MIXED
4	DEFCON STATUS				00064	
11	TACS FACILITY STATUS				03744	
13	FORCE ALLOCATION				00484	
14	AIR DEFENSE PLANNING COORD				06000	
16	ORB PTS-ROUTES FOR AIR DEF ACFT				08750	
17	FIGHTER ESCORT REQUIREMENTS				12069	
18	CAS AND INTERDICTION REQUEST				34656	
19	INTERDICTION MISSION PROFILE				2880	
22	MISSLE/HOT ZONE DATA				00606	
24	TACTICAL ACTION DATA				00690	
31	TACTICAL UNIT STATUS-RECON				00282	
46	BOMBER MISSION DATA				11025	
72	COLLECTION REQUIREMENTS EEI				27000	
75	MISSION RECOMMENDATION				0447K	
76	EL INT MISSION REQUEST				06075	
77	GROUND FIRE REPORT				03780	
81	POST STRIKE IMAGERY REPORT				10620	

TABLE 6.7A. FORMAT OF UNCLASSIFIED TO SECRET FILES
(CONTINUED)

FILE NUMB	FILE NAME	FAC'S	TTY	BOOK	GP DISP	MIXED
86	HERBICIDE MISSION PLAN DATA SOF				21060	
90	WEEKLY FLYING SCHEDULE SOF				00128	
94	A/G REPORTING PROCEDURES				17500	
95	AIR TERMINAL CONTROL PROCEDURES				70000	
96	CONTROL POINT DATA				28000	
97	AIR TRAFFIC IDENT PROCEDURES				28000	
98	PRIORITIES FOR AIRSPACE USE				28000	
100	FREE AIRSPACE DATA				0140K	
101	RESTRICTED AIRSPACE DATA				03500	
102	FRIENDLY AIRSPACE DATA				70000	
103	AIRSPACE UTILIZATION PLAN				21000	
104	GUIDANCE FOR AIRSPACE MANAGEMENT				28000	
105	AIR TRAFFIC CONTROL INSTRUCTIONS				0420K	
106	AIRSPACE CONFLICT DATA				52500	
107	AIR TRAFFIC HANDLING CAPABILITY				0105K	
108	MISSION ROUTING COORDINATION				0315K	
109	SAR AIRCRAFT ALERT STATUS				09870	

TABLE 6.7A. FORMAT OF UNCLASSIFIED TO SECRET FILES
(CONTINUED)

FILE NUMB	FILE NAME	FAC S	TTY	BOOK	GP DISP	MIXED
111	SAR MISSION PROGRESS REPORT				27346	
114	SAR SUPPORT REQUIREMENTS				36360	
133	TACTICAL UNIT STATUS TANKER				65700	
134	REFUELING REQUIREMENTS				0640K	
141	DAILY MEDICAL STATUS RPT MEDREP				0124K	
146	UNIT ID SYSTEM RPT UCODES				0182K	
151	OPERATIONS STOP REPORT OPREP-4				00316	
158	AIRCRAFT LINEUP REPORT LINEUP			00890		
159	ARRIVAL REPORT, TACOP				32760	
160	DEPARTURE REPORT, TACOP				05109	
161	DEVIATION REPORT				03810	
167	COMM ELECTR OPS RPR T COMOPS				0256K	
169	FRAG ORDER AIRLIFT				5500K	
171	MISSION SCHEDULE AIRLIFT				0591K	

TABLE 6.7B. FORMAT OF UNCLASSIFIED TO SECRET FILES

FILE NUMB	FILE NAME	FORM	LOG	DOCUM	FILE FOLD	NOTE BOOK
3	REGULATIONS				1260K	
6	AIRFIELD DIRECTORY				0124K	
34	RECON MISSION REQUEST	32298				
213	CONTROLLERS LOG BOOK-AIRLIFT		0486K			
224	ACTION LOG-SURVEILLANCE		0695K			
225	ACTION LOG-FIGHTER OPERATIONS		0348K			
226	ACTION LOG-WEAPONS CONTROLLER		2087K			
227	ACTION LOG-SEARCH AND RESCUE		0348K			
228	ACTION LOG-INTELLIGENCE		0348K			
229	ACTIVITY LOG-RECCE		0786K			
230	DAILY ACTIVITY LOG-PHOTO INTELL		0174K			
231	DAILY JOURNAL-FTR OFFICER PLANS		0348K			
232	DAILY JOURNAL-AIR DEF OFF PLANS		0348K			

TABLE 6.7C. FORMAT OF UNCLASSIFIED TO SECRET FILES

FILE NUMB	AIRLIFT REQUIREMENTS	FILE NAME	OTHER
182			14970

TABLE 6.8A. FORMAT OF UNCLASSIFIED TO TOP SECRET FILES

FILE NUMB	FILE NAME	FACS	TTY	BOOK	GP DISP	MIXED
1	OPERATIONS PLANS					140K
37	FRAG ORDER-RECON					0135K
53	WEAPONS CHARACTERISTICS					5250K
59	HOT NEWS RPRTS/SPOT INTEL RPRTS					02898
69	INTELLIGENCE BRIEFING DATA					60000
194	AIRLIFT OPERATIONS REPORT-ALOREP					0332K

TABLE 6.8B. FORMAT OF UNCLASSIFIED TO TOP SECRET FILES

FILE NUMB	FILE NAME	FORM	LOG	DOCUM	FILE FOLD	NOTE BOOK
2	OPERATIONS ORDERS	0420K				

TABLE 6.9. FORMAT OF CONFIDENTIAL TO SECRET FILES

FILE NUMB	FILE NAME	FACS	TTY	BOOK	DISP	GP MIXED
61	IMMED PHOTO/INTELLIGENCE REPORT					10179

TABLE 6.10. FORMAT OF SECRET TO TOP SECRET FILES

FILE NUMB	FILE NAME	FACS	TTY	BOOK	GP DISP	MIXED
15	AIR DEFENSE PRIORITIES					17500
58	ENEMY COMM ORDER OF BATTLE SAV					0173K
62	INTELLIGENCE SUMMARY					31500
65	TARGET PRIORITY LIST					71466
70	INTELLIGENCE STUDY					17500
74	INTELLIGENCE REPORT					0613K

7-0 MATRIX SHOWING THE PERISHABILITY OF DATA IN THE FILES

7.0 MATRIX SHOWING THE PERISHABILITY OF DATA IN THE FILES

This section shows the distribution of data by categories of perishability.

For purposes of this study the data is considered perished when it is no longer needed in active tactical air operations, even though it may later be required for report generation, reference, or historical purposes.

The following categories of perishability have been arbitrarily selected:

5 to 30 minutes

30 to 60 minutes

1 to 2 hours

2 to 8 hours

8 to 24 hours

1 to 5 days

5 to 30 days

More than 30 days

No data was found to perish in less than 5 minutes. Perishability of data depends largely on the contingency situation and the requirements of the Commander and his Director of Operations. The perishability category was estimated by Hughes personnel familiar with tactical air operations and opinions expressed by TAC personnel during interviews. Asterisks precede those items whose perishability was estimated by Hughes personnel.

The following listing shows the table numbers for each security classification:

Table 7.2 Unclassified

Table 7.3 Confidential

Table 7.4 Secret

Table 7.5 Top Secret

Table 7.6 Unclassified to Confidential

Table 7.7 Unclassified to Secret

7.0 MATRIX SHOWING THE PERISHABILITY OF DATA IN THE FILES (Continued)

Table 7.8 Unclassified to Top Secret

Table 7.9 Confidential to Secret

Table 7.10 Secret to Top Secret

A disposition column has been included in these matrices to show whether the data is destroyed or filed for reference after it is no longer required in active tactical air operations.

Table 7.1 summarizes the analysis of perishability of data in the current TACC data base. The most significant finding from this analysis is that nearly half of the data in the data base remains active for more than 30 days. Only a very minute portion of the volume of the data base perishes within one hour and only 13% of the volume perishes within one day.

File Classification	Total	Files	Total Amount	5 to 30 Min.	30 to 60 Min.	1 to 2 Hours	2 to 8 Hours	
	No.	No.	No.	Volume	No.	Volume	No.	Volume
Unclassified	68	24	24,084,917	1	1500	3	397,000	3
Confidential	6	119	210				1,434,260	3
Secret	79	17,839,057			1	850		8
T.S.	2	4,560						4,782,755
U. to C.	4	1,895,100						
U. to S.	62	16,797,842						65,982
U. to T.S.	7	6,339,898						
C. to S.	1	10,179						
S. to T.S.	6	923,966						
TOTAL	235	68,014,729	1	1500	4	397,850	3	1,434,260
PERCENT OF TOTAL	100%	100%	100%	100%	100%	100%	100%	100%

PERCENT OF TOTAL

TABLE 7.1 SUMMARY OF ANALYSIS OF PERISHABILITY OF DATA (Continued)

File Classification	8 to 24 Hours		1 to 5 Days		5 to 30 Days		More Than 30 Days	
	No.	Volume	No.	Volume	No.	Volume	No.	Volume
Unclassified	6	411,692	1	180	5	18,997,500	46	2,702,625
Confidential	2	34,000	1	44,310	1	4,000	2	36,900
Secret	22	1,857,825	12	4,244,368	14	2,161,257	22	4,792,002
T.S.	1	2,160	0		1	2,400		
U. to C.	1	132,000	0				3	1,763,100
U. to S.	10	1,732,719	10	6,219,988	4	86,431	36	8,692,722
U. to T.S.	3	197,898	0		1	420,000	3	5,722,000
C. to S.	1	10,179	0		0			
S. to T.S.	1	31,500	1	71,466	0		3	648,000
TOTAL	47	4,409,973	25	10,580,312	26	21,671,588	115	24,357,349
PERCENT OF TOTAL	20%	6%	21%	16%	21%	49%	32%	36%

TABLE 7.2A. PERISHABILITY OF DATA IN UNCLASSIFIED FILES

FILE NUMB		LESS 5 MIN	5-30 MIN	30-60 MIN	1-2 HRS	2-8 HRS	DISP
29	AIR SITUATION DATA				75000	F	
48	NUDET REPORTS	01500				F.	
119	AREA WEATHER FORECAST				36000	D.	
124	FAC WEATHER REPORT	0210K				D	
126	WEATHER RECONNISANCE REPORT				07260	D	
127	AIRBASE WEATHER OBSERVATION				1298K	D	
129	RADAR WEATHER REPORTS				29160	D	
130	ARMED FORCES SURFACE WX OBS				0129K	D.	
140	TRACK DATA				75000	F	
* 235	INFLIGHT TEAM FILE				0112K	F	

TABLE 7.2B. PERISHABILITY OF DATA IN UNCLASSIFIED FILES

FILE NUMB		8-24 HRS	1-5 DAYS	5-30 DAYS	MORE 30 DAY	DISP
28	TAC C SOPS			87500		D
36	SOPS FOR RECON DUTY PERSONNEL			42000		D
54	INFILIGHT INTELLIGENCE REPORT	45162				D
73	INTEL DUTY PERSONNEL SOPS			03500		D
91	SOP FOR SOF DUTY PERSONNEL			07000		D
112	SAR AIRCRAFT CHARACTERISTICS			0150K		F
113	SAR DUTY OFFICER SOP			14000		D
120	TERMINAL WEATHER FORECAST	0316K				D
121	SPECIAL MISSION FORECAST	35820				D
122	SEVERE WEATHER WARNING	00180				D
123	WINDS ALOFT	12000				D
125	PILOT WEATHER REPORT			0471K		D
128	WEATHER MAP AND CHARTS	00000				D
131	WEATHER INFORMATION REQUEST	02710				D
139	SOP S FOR TANKER DUTY PERSONNEL				21000	D
148	CLAIMS RPT CLAIMS				1620K	F
173	FRAG ORDER ADDRESSES FODL	04599				D

TABLE 7.2B. PERISHABILITY OF DATA IN UNCLASSIFIED FILES
(CONTINUED)

FILE NUMB	8-24 HRS	1-5 DAYS	5-30 DAYS	MORE DAYS	DISP
174 AIRFIELD DESIGNATORS ALMS			04700		D
178 AIRCRAFT PLANNING FACTORS			00729		D
180 AIRCRAFT ROUTING			04200		F
181 RECURRING MISSIONS SCHEDULE			0165K		F
183 GROUND TIME			03696		D
184 RECONFIGURATION TIME			00024		D
185 MAJOR COMMAND			00152		D
186 PRIORITY TABLE			01026		D
187 SECURITY CLASSIFICATION			00140		D
188 CARGO TYPE			00660		D
189 PASSENGER TYPE			00165		D
190 PALLET TYPE			00245		D
191 DAYLIGHT HOURS			00144		D
192 COMPATIBLE AIRCRAFT			00150		D
193 DAILY AIRLIFT SUMMARY			48600		F
195 AIRLIFT AIRCRAFT TYPES			00072		D
196 AIRLIFT COUNTRY-SERVICE-OPERATOR			00342		D

TABLE 7.2B. PERISHABILITY OF DATA IN UNCLASSIFIED FILES
(CONTINUED)

FILE NUMB	8-24 HRS	1-5 DAYS	5-30 DAYS	MORE 30 DYS	DISP
197 AIRLIFT OPERATING UNITS			00156		D
198 AIRLIFT SORTIE FUNCTION			00384		D
199 AIRLIFT MISSION DELAY REASONS			00396		D
200 AIRLIFT MISSION LOW UTILIZATION			00476		D
201 AIRLIFT MSN ABORT-DIVERSION			00196		D
202 AIRLIFT SORTIE PRIORITIES			00352		D
203 AIRLIFT TRAFFIC DELAY REASONS			00510		D
204 AIRLIFT FRAG HEADQUARTERS			00605		D
205 AGENCIES SUPPORTED-AIRLIFT			00396		D
206 AIRLIFT DELIVERY MODE			00085		D
207 AIRLIFT MODE TYPES			00378		D
208 ALOREP COLLECTION POINTS			00051		D
209 AIRLIFT SQUADRON-TYPE AIRCRAFT			00108		D
210 AIRCRAFT TYPE-ACL			00090		D
211 AIRCRAFT TYPE-MAX SPEED			00081		D
212 MILITARY AREA CODE			00050		D
214 ALCC COMMAND POST	0360K				F

TABLE 7.2B. PERISHABILITY OF DATA IN UNCLASSIFIED FILES
(CONTINUED)

FILE NUMB		8-24 HRS	1-5 DAYS	5-30 DAYS	MORE 30 DYS	DISP
215	RADIO OPERATORS LOG BOOK			0018M		F
216	SUPPLY-ADMINISTRATIVE RECORDS			0114K		F
218	AIRLIFT SOP'S	52500				F
219	AIRFIELD FOLDER			0075K		F
221	MISSION NUMBER FILE			06807		F
* 233	AIR TERMINAL TEAM FILE			0378K		F
* 234	CASUALTY STAGING FACILITY FILE			58860		F

TABLE 7.3. PERISHABILITY OF DATA IN CONFIDENTIAL FILES

FILE NUMB		8-24 HRS	1-5 DAYS	5-30 DAYS	MORE 30 DY	DISP
7	DAILY AIRFIELD STATUS		29500			D
47	CONTAMINATED AREAS NOTIFICATION			01900		F
138	AIRCRAFT CHARACTERISTICS TANKER			35000		D
176	AERIAL PORT EQUIPMENT		04000			D
177	COMBAT CONTROL TEAM		04500			D
179	AIRCRAFT RESOURCES		44310			D

TABLE 7.4A. PERISHABILITY OF DATA IN SECRET FILES

FILE NUMB		LESS 5 MIN	5-30 MIN	30-60 MIN	1-2 HRS	2-8 HRS	DISP
8	TACTICAL UNIT STATUS-FIGHTER				02256		F
12	SAM/ADA WEAPONS STATUS				09920		D
27	DEFCON/AIR RAID WARNING LOG				17925		D
32	RECON AIRCRAFT ALERT STATUS				00184		F
51	BIOLOGICAL/CHEMICAL ATTACK RPT				00850		F
55	ENEMY AIR ORDER OF BATTLE SHY				1462K		F
56	ENEMY GRD ORDER OF BATTLE SHY				3110K		F
57	ENEMY NAV ORDER OF BATTLE SHY				0137K		F
84	TACTICAL UNIT STATUS SOF				43470		D

TABLE 7.4B. PERISHABILITY OF DATA IN SECRET FILES

FILE NUMB		8-24 HRS	1-5 DAYS	5-30 DAYS	MORE 30 DAY	DISP
5	FRIENDLY GROUND SITUATION DATA			0150K		F
9	TACTICAL UNIT MUNITIONS STATUS	19332				D
10	MISSION SCHEDULE-FIGHTER			39990		F
20	FIGHTER MISSION PLANNING	13206				D
21	RESTRICTIVE FIRE PLAN	14000				D
23	FIGHTER ALERT STATUS	01424				F
25	FRAG ORDER-FIGHTER	0750K				F
26	ACTION LOG-FIR OPS DUTY OFFICER			15840		D
30	GROUND SENSOR DATA	20000				F
33	RECON MISSION SCHEDULE	09234				F
38	ECM MISSION SCHEDULE	02868				D
*	39 ECM MISSION RECOMMENDATION	03294				D
40	ECM MISSION REQUIREMENTS	15480				D
41	ECM SUPPORT REQUIREMENTS	01308				D
*	42 ECM DATA			0420K		F
* ⁷ ₁₁ 43	ECM THREAT DATA			25920		F
44	ELECTRONIC TACTICAL ACTION RPRT	15066				D

TABLE 7.4B. PERISHABILITY OF DATA IN SECRET FILES
(CONTINUED)

FILE NUMB		8-24 HRS	1-5 DAYS	5-30 DAYS	MORE 30 DYS	DISP
* 45	ECCM DATA		0212K			F
* 52	INTEND EMPL OF C/B WEAPONS RPRT		01260			D
60	EL INT INFILIGHT REPORT	01644				F
63	ENEMY ELEC ORDER OF BATTLE SHY	0248K				D
64	ENEMY AA/SAM ORDER OF BATTLE SHY	0178K				D
66	TARGET NOMINATION LIST	41500				D
67	LZ/DZ/EZ INTELLIGENCE	10560				D
68	INTEL INPUTS TO FRAG ORDER	32122				D
71	INTELLIGENCE ESTIMATE		17880			F
78	DEFENSE ANALYSIS		36000			F
79	THREAT EVALUATION		03000			F
* 80	MISSION REPORT TACINTELL MISREP	70315				D
* 82	UNIFILE PHOTO INTERP REPORT		60984			F
83	CONSOLIDATED IMAGERY REQUIREMENT		13338			D
85	PSYC WARFARE MISSION DATA SOF		21000			F
87	HERICIDE FRAG ORDER SOF		11380			F
K *	PSYC WARFARE FRAG ORDER SOF		28080			F

TABLE 7.4B. PERISHABILITY OF DATA IN SECRET FILES
(CONTINUED)

FILE NUMB		8-24 HRS	1-5 DAYS	5-30 DAYS	MORE 30 DAY	DISP
89	NOTIFICATION-EXEC-HERB-MSN SOF			08760		F
92	MISSION REPORT MISREP SOF	01485				F
99	AIR CORRIDOR DATA		28000			F
110	SAR MISSION DATA		0102K			F
115	SAR TACTICAL UNIT STATUS REPORT	05160				F
116	SAR FRAG ORDER	9560				F
117	SAR MISSION REPORT MISREP	0104K				F
118	RESCUE INFORMATION REPORT	0168K				F
132	TANKER RESOURCES AVAILABLE	24200			D	
135	TANKER FRAG ORDER	59400			D	
136	MISSION SCHEDULE TANKER	65700			D	
137	REFUELING MISSION COMP. REPORT	0306K			D	
* 142	MEDICAL CONTINGENCY RPT MEDCON	0124K			F	
* 143	MEDICAL EMERGENCY RPT MEDMER	46980			F	
* 144	PERSONNEL DEPLOY. RPT PERSOEP				F	
* 145	PERSONNEL STATUS RPT PERSTAT		1741K		F	
7-147	CIVIL AFFAIRS RPT CIVAF	0148K			F	

TABLE 7.4B. PERISHABILITY OF DATA IN SECRET FILES
(CONTINUED)

FILE NUMB		8-24 HRS	1-5 DAYS	5-30 DAYS	MORE 30 DYS	DISP
149	DEPLOY PLAN SUMMARY RPT DEPSUMI			01560		F
150	OPS START RPT OPREP-2		02340			F
* 152	OPNS EVENT/INCIDENT RPT OPREP-3	0454K				F
* 153	COMMANDERS SITUATION RPT SITREP	0108K				F
154	COMM SECURITY REPORT COMSEC			03600		F
155	AIRCREW/ACFT LOSS REPORT LOSREP		1286K			F
156	INSTALLATION DAMAGE RPT INREP		33000			F
157	PETRO DMGE/DEFICIENCY RPT REPOL		13050			D
162	AIRBORNE COMMAND POST RPT ACP		12117			F
163	DEPLOYMENT SUM RPT DEPSUM-2		11430			F
164	OPERATIONS SUM RPT OPREP-5		3299K			F
165	COMBAT ACTIVITIES REPORT COACT		70200			F
* 166	FORCE STATUS REPORT FORSTAT	40600				F
168	LOGISTIC STATUS REPORT LOGSTAT	1764K				F
172	FRAG ORDER REMARKS ALMS			97500		D
217	KAC CODE BOOK		0053K			D
220	AREA-FUNCTION FILE		05695			D

TABLE 7.4B. PERISHABILITY OF DATA IN SECRET FILES
(CONTINUED)

FILE NUMB		8-24 HRS	1-5 DAYS	5-30 DAYS	MORE 30 DYS	DISP
222	SPECIAL INSTRUCTION FILE			69840		F
223	BASE TO TRACK FILE-REFUELING			33750		F

TABLE 7.5. PERISHABILITY OF DATA IN TOP SECRET FILES

FILE NUMB		8-24 HRS	1-5 DAYS	5-30 DAYS	MORE 30 DY	DISP
49	NUCLEAR STRIKE WARNING		02160			D
50	NUCLEAR RESTRICTED AREA WARNING		02400			F

TABLE 7.6. PERISHABILITY OF DATA IN UNCLASSIFIED TO
CONFIDENTIAL FILES

FILE NUMB	8-24 HRS	1-5 DAYS	5-30 DAYS	MORE 30 DY	DISP
35 RECON AIRCRAFT CHARACTERISTICS				1750K	D
93 AREA OF RESPONSIBILITY CHANGES				07000	D
170 TACTICAL UNIT STATUS AIRLIFT	0132K				F
175 AIRFIELD STATUS		06100			D

TABLE 7.7A. PERISHABILITY OF DATA IN UNCLASSIFIED
TO SECRET FILES

FILE NUMB		LESS 5 MIN	5-30 MIN	30-60 MIN	1-2 HRS	2-8 HRS	DISP
31	TACTICAL UNIT STATUS-RECUN				00282	F	
133	TACTICAL UNIT STATUS TANKER				65700	D	

TABLE 7.7B. PERISHABILITY OF DATA IN UNCLASSIFIED
TO SECRET FILES

FILE NUMB		8-24 HRS	1-5 DAYS	5-30 DAYS	MORE 30 DY	DISP
* 3	REGULATIONS			1260K		D
4	DEFCON STATUS			00064		D
6	AIRFIELD DIRECTORY			0124K		D
11	TACS FACILITY STATUS		03744			F
* 13	FORCE ALLOCATION			00484		F
14	AIR DEFENSE PLANNING COORD			06000		D
16	ORB PTS-ROUTES FOR AIR DEF ACFT			08750		D
17	FIGHTER ESCORT REQUIREMENTS		12069			F
18	CAS AND INTERDICTION REQUEST		34656			F
19	INTERDICTION MISSION PROFILE			2880		F
22	MISSLE/HOT ZONE DATA			00606		D
24	TACTICAL ACTION DATA			00690		F
34	RECON MISSION REQUEST		32298			F
46	BOMBER MISSION DATA			11025		D
72	COLLECTION REQUIREMENTS EEI			27000		F
* 75	MISSION RECOMMENDATION			0447K		D
* 76	EL INT MISSION REQUEST			06075		D

TABLE 7.7B. PERISHABILITY OF DATA IN UNCLASSIFIED
TO SECRET FILES (CONTINUED)

FILE NUMB		8-24 HRS	1-5 DAYS	5-30 DAYS	MORE 30 DAY	DISP
* 77	GROUND FIRE REPORT	03780				F
* 81	POST STRIKE IMAGERY REPORT		10620			F
* 86	HERBICIDE MISSION PLAN DATA SOF		21060			F
90	WEEKLY FLYING SCHEDULE SOF			00128		D
94	A/G REPORTING PROCEDURES			17500		D
95	AIR TERMINAL CONTROL PROCEDURES			70000		F
96	CONTROL POINT DATA			28000		F
97	AIR TRAFFIC IDENT PROCEDURES			28000		F
98	PRIORITIES FOR AIRSPACE USE			28000		F
100	FREE AIRSPACE DATA			0140K		F
101	RESTRICTED AIRSPACE DATA			03500		F
102	FRIENDLY AIRSPACE DATA			70000		F
103	AIRSPACE UTILIZATION PLAN			21000		F
104	GUIDANCE FOR AIRSPACE MANAGEMENT			28000		F
105	AIR TRAFFIC CONTROL INSTRUCTIONS			0420K		D
106	AIRSPACE CONFLICT DATA			52500		F
107	AIR TRAFFIC HANDLING CAPABILITY			0105K		F

TABLE 7.7B. PERISHABILITY OF DATA IN UNCLASSIFIED
TO SECRET FILES (CONTINUED)

FILE NUMB	8-24 HRS	1-5 DAYS	5-30 DAYS	MORE 30 DY	DISP
108 MISSION ROUTING COORDINATION				0315K	F
109 SAR AIRCRAFT ALERT STATUS				09870	F
111 SAR MISSION PROGRESS REPORT				27346	F
114 SAR SUPPORT REQUIREMENTS				36360	F
134 REFUELING REQUIREMENTS			0640K		D
141 DAILY MEDICAL STATUS RPT MEDREP		0124K			F
*146 UNIT ID SYSTEM RPT UCODES		0182K			F
*151 OPERATIONS STOP REPORT OPREP-4		00316			F
158 AIRCRAFT LINEUP REPORT LINEUP				00890	D
159 ARRIVAL REPORT, TACOP				32760	F
160 DEPARTURE REPORT, TACOP				05109	D
161 DEVIATION REPORT				03810	F
*167 COMM ELECTR OPS RPRT COMOPS			0256K		F
169 FRAG ORDER AIRLIFT				5500K	F
171 MISSION SCHEDULE AIRLIFT				0591K	F
182 AIRLIFT REQUIREMENTS				14970	F
213 CONTROLLERS LOG BOOK-AIRLIFT				0486K	F

TABLE 7.7B. PERISHABILITY OF DATA IN UNCLASSIFIED
TO SECRET FILES (CONTINUED)

FILE NUMB	8-24 HRS	1-5 DAYS	5-30 DAYS	MORE 30 DYS	DISP
224 ACTION LOG-SURVEILLANCE				0695K	F
225 ACTION LOG-FIGHTER OPERATIONS				0348K	F
226 ACTION LOG-WEAPONS CONTROLLER				2087K	F
227 ACTION LOG-SEARCH AND RESCUE				0348K	F
228 ACTION LOG-INTELLIGENCE				0348K	F
229 ACTIVITY LOG-RECCE				0786K	F
230 DAILY ACTIVITY LOG-PHOTO INTELL				0174K	F
231 DAILY JOURNAL-FTR OFFICER PLANS				0348K	F
232 DAILY JOURNAL-AIR DEF OFF PLANS				0348K	F

TABLE 7.8. PERISHABILITY OF DATA IN UNCLASSIFIED TO
TO TOP SECRET FILES

FILE NUMB	8-24 HRS	1-5 DAYS	5-30 DAYS	MORE 30 DYS	DISP
1 OPERATIONS PLANS				140K	D
2 OPERATIONS ORDERS			0420K		D
37 FRAG ORDER-RECON		0135K			F
53 WEAPONS CHARACTERISTICS			5250K		F
59 HOT NEWS RPTS/SPOT INTEL RPTS		02898			D
69 INTELLIGENCE BRIEFING DATA		60000			D
194 AIRLIFT OPERATIONS REPORT-ALOREP		0332K			F

TABLE 7.9. PERISHABILITY OF DATA IN CONFIDENTIAL TO
SECRET FILES

FILE NUMB	8-24 HRS	1-5 DAYS	5-30 DAYS	MORE 30 DYS	DISP
61	IMMED PHOTO/INTELLIGENCE REPORT	10179		D	

TABLE 7. 10A. PERISHABILITY OF DATA IN SECRET TO
TOP SECRET FILES

FILE NUMB	LESS 5 MIN	5-30 MIN	30-60 MIN	1-2 HRS	2-8 HRS	DISP
58 ENEMY COMM ORDER OF BATTLE SHY				0173K	F	

TABLE 7.10B. PERISHABILITY OF DATA IN SECRET TO
TOP SECRET FILES

FILE NUMB	8-24 HRS	1-5 DAYS	5-30 DAYS	MORE 30 DYS	DISP
15 AIR DEFENSE PRIORITIES			17500		D
62 INTELLIGENCE SUMMARY	31500				F
* 65 TARGET PRIORITY LIST	71466				D
70 INTELLIGENCE STUDY		17500			F
74 INTELLIGENCE REPORT	0613K				D

8.0 MATRIX SHOWING THE PERISHABILITY OF THE SECURITY CLASSIFICATION OF
CLASSIFIED DATA

8.0 MATRIX SHOWING THE PERISHABILITY OF THE SECURITY CLASSIFICATION OF CLASSIFIED DATA

This section shows the distribution of classified data by categories of perishability of classified data. The security classification of the data in the data base is considered to have perished when it is changed to a higher or lower security classification. The categories used for perishability of security classification are the same as those used in Section 7.0 for the perishability of data, however, no files were found to have a perishability of security classification of less than one day. As was the case with the perishability of data, when the perishability of security classification could not be obtained from interview or documents, it was estimated by Hughes personnel familiar with tactical air operations and AFR 205-1 (asterisks precede those files whose perishability was estimated by Hughes personnel). The following list shows the table numbers for the groups of files of each security classification:

- Table 8.2 Confidential
- Table 8.3 Secret
- Table 8.4 Top Secret
- Table 8.5 Unclassified to Confidential
- Table 8.6 Unclassified to Secret
- Table 8.7 Unclassified to Top Secret
- Table 8.8 Confidential to Secret
- Table 8.9 Secret to Top Secret

It may be noted in Table 8.1 that over 99% of the classified data retains its security classification for more than 30 days. This may appear to be a discrepancy when comparing it with the amount of data in Section 7.0 in the "more than 30 days" perishability of data category. This

8.0 MATRIX SHOWING THE PERISHABILITY OF THE SECURITY CLASSIFICATION OF
CLASSIFIED DATA (Continued)

8.0 apparent discrepancy is explained by the ground rule that the data is considered to perish when it is no longer needed in active tactical air operations, while the security classification is considered to perish when the security classification of the data changes. Thus, for example, mission schedule data is considered to perish soon after the mission is completed but this is then filed for over 30 days so its security classification is not considered perished as long as it remains in the file and is not upgraded or downgraded.

TABLE 8.1 - SUMMARY OF DATA CONCERNING PERISHABILITY OF SECURITY CLASSIFICATION
OF CLASSIFIED FILES

File Classification			1 - 5 DAYS		5 - 30 DAYS		MORE THAN 30 DAYS	
	No.	Volume	No.	Volume	No.	Volume	No.	Volume
Confidential	6	119,210	0	- - -	0	- - -	6	119,210
Secret	79	17,839,057	0	- - -	1	1,485	78	17,837,572
Top Secret	2	4,560	- - -	- - -	-	-	2	4,560
Unclassified to Confidential	4	1,895,100	- - -	- - -	-	-	4	1,895,100
Unclassified to Secret	62	16,797,842	1	6,075	1	52,500	60	16,739,267
Unclassified to Top Secret	7	6,339,898	0	- - -	1	420,000	6	5,919,898
Confidential to Secret	1	10,179	- - -	- - -	-	-	1	10,179
Secret to Top Secret	6	923,966	- - -	- - -	-	-	6	923,966
TOTAL	167	43,929,812	1	6,075	3	473,985	163	43,449,752
% Classified Total	100%	100%	< 1%	< 1%	2%	1%	98%	> 99%

TABLE 8.2. PERISHABILITY OF SECURITY CLASSIFICATION
OF CONFIDENTIAL FILES

FILE NUMB	FILE NAME	8-24 HRS	1-5 DAYS	5-30 DAYS	MORE 30 DYS
7	DAILY AIRFIELD STATUS			29500	
47	CONTAMINATED AREAS NOTIFICATION		01900		
138	AIRCRAFT CHARACTERISTICS TANKER		35000		
176	AERIAL PORT EQUIPMENT		04000		
177	COMBAT CONTROL TEAM		04500		
179	AIRCRAFT RESOURCES		44310		

TABLE 8.3. PERISHABILITY OF SECURITY CLASSIFICATION
OF SECRET FILES

FILE NUMB	FILE NAME	8-24 HRS	1-5 DAYS	5-30 DAYS	MORE 30 DYS
5	FRIENDLY GROUND SITUATION DATA			0150K	
8	TACTICAL UNIT STATUS-FIGHTER			02256	
9	TACTICAL UNIT MUNITIONS STATUS			19332	
10	MISSION SCHEDULE-FIGHTER			39990	
12	SAM/ADA WEAPONS STATUS			09920	
* 20	FIGHTER MISSION PLANNING			13206	
21	RESTRICTIVE FIRE PLAN			14000	
23	FIGHTER ALERT STATUS			01424	
25	FRAG ORDER-FIGHTER			0750K	
26	ACTION LOG-FTR OPS DUTY OFFICER			15840	
27	DEFCON/AIR RAID WARNING LOG			17925	
30	GROUND SENSOR DATA			20000	
32	RECON AIRCRAFT ALERT STATUS			00184	
33	RECON MISSION SCHEDULE			09234	
38	ECH MISSION SCHEDULE			02868	
* 39	ECH MISSION RECOMMENDATION			03294	
40	ECH MISSION REQUIREMENTS			15480	

TABLE 8.3. PERISHABILITY OF SECURITY CLASSIFICATION OF
SECRET FILES (CONTINUED)

FILE NUMB	FILE NAME	8-24 HRS	1-5 DAYS	5-30 DAYS	MORE 30 DYS
41	ECM SUPPORT REQUIREMENTS			01308	
* 42	ECM DATA			0420K	
* 43	ECM THREAT DATA			25920	
44	ELECTRONIC TACTICAL ACTION RPT			15066	
* 45	ECCM DATA			0212K	
51	BIOLOGICAL/CHEMICAL ATTACK RPT			00850	
* 52	INTEND EMPL OF C/B WEAPONS RPT			01260	
55	ENEMY AIR ORDER OF BATTLE SMY			1462K	
56	ENEMY GRD ORDER OF BATTLE SMY			3110K	
57	ENEMY NAV ORDER OF BATTLE SMY			0137K	
60	EL INT INFIGHT REPORT			01644	
63	ENEMY ELEC ORDER OF BATTLE SMY			0248K	
64	ENEMY AA/SAM ORDER OF BATTLE SMY			0178K	
66	TARGET NOMINATION LIST			41500	
67	LZ/DZ/EZ INTELLIGENCE			10560	
68	INTEL INPUTS TO FRAG ORDER			32122	
71	INTELLIGENCE ESTIMATE			17880	

TABLE 8.3. PERISHABILITY OF SECURITY CLASSIFICATION OF
SECRET FILES (CONTINUED)

FILE NUMB	FILE NAME	8-24 HRS	1-5 DAYS	5-30 DAYS	MORE 30 DY
78	DEFENSE ANALYSIS			36000	
79	THREAT EVALUATION			03000	
* 80	MISSION REPORT TACINTELL MISREP			70315	
* 82	UNIFILE PHOTO INTERP REPORT			60984	
83	CONSOLIDATED IMAGERY REQUIREMENT			13338	
84	TACTICAL UNIT STATUS SOF			43470	
* 85	PSYC WARFARE MISSION DATA SOF			21000	
87	HERICIDE FRAG ORDER SOF			11880	
* 88	PSYC WARFARE FRAG ORDER SOF			28080	
89	NOTIFICATION-EXEC-HERB-MSN SOF			08760	
92	MISSION REPORT MISREP SOF			01485	
99	AIR CORRIDOR DATA			28000	
110	SAR MISSION DATA			0102K	
115	SAR TACTICAL UNIT STATUS REPORT			05160	
116	SAR FRAG ORDER			9560	
117	SAR MISSION REPORT MISREP			0104K	
118	RESCUE INFORMATION REPORT			0168K	

TABLE 8.3. PERISHABILITY OF SECURITY CLASSIFICATION OF
SECRET FILES (CONTINUED)

FILE NUMB	FILE NAME	8-24 HRS	1-5 DAYS	5-30 DAYS	MORE 30 DY
132	TANKER RESOURCES AVAILABLE			24200	
135	TANKER FRAG ORDER			59400	
136	MISSION SCHEDULE TANKER		65700		
137	REFUELING MISSION COMP. REPORT		0306K		
* 142	MEDICAL CONTINGENCY RPT MEDCON		0124K		
* 143	MEDICAL EMERGENCY RPT MEDMER		46980		
* 144	PERSONNEL DEPLOY. RPT PERSOEP		0250K		
* 145	PERSONNEL STATUS RPT PERSTAT		1741K		
147	CIVIL AFFAIRS RPT CIVAF		0148K		
149	DEPLOY PLAN SUMMARY RPT DEPSUM1		01560		
150	OPS START RPT OPREP-2		02340		
* 152	OPNS EVENT/INCIDENT RPT OPREP-3		0454K		
* 153	COMMANDERS SITUATION RPRT SITREP		0108K		
154	COMM SECURITY REPORT COMSEC		03600		
155	AIRCREW/ACFT LOSS REPORT LOSREP		1286K		
156	INSTALLATION DAMAGE RPRT INREP		33000		
157	PETRO DMGE/DEFICIENCY RPT REPOL		13050		

TABLE 8.3. PERISHABILITY OF SECURITY CLASSIFICATION OF
SECRET FILES (CONTINUED)

FILE NUMB	FILE NAME	8-24 HRS	1-5 DAYS	5-30 DAYS	MORE 30 DYS
162	AIRBORNE COMMAND POST RPRT ACP				12117
163	DEPLOYMENT SUM RPRT DEPSUM-2				11430
164	OPERATIONS SUM RPRT OPREP-5				3299K
165	COMBAT ACTIVITIES REPORT COACT				70,200
* 166	FORCE STATUS REPORT FORSTAT				40,600
168	LOGISTIC STATUS REPORT LOGSTAT				1764K
172	FRAG ORDER REMARKS ALMS				97500
217	KAC CODE BOOK				0053K
* 220	AREA-FUNCTION FILE				05695
222	SPECIAL INSTRUCTION FILE				69840
223	BASE TO TRACK FILE-REFUELING				33750

TABLE 8.4. PERISHABILITY OF SECURITY CLASSIFICATION
OF TOP SECRET FILES

FILE NUMB	FILE NAME	8-24 HRS	1-5 DAYS	5-30 DAYS	MORE 30 DY
49	NUCLEAR STRIKE WARNING			02160	
50	NUCLEAR RESTRICTED AREA WARNING			02400	

TABLE 8.5. PERISHABILITY OF SECURITY CLASSIFICATION OF UNCLASSIFIED TO CONFIDENTIAL FILES

FILE NUMB	FILE NAME	8-24 HRS	1-5 DAYS	5-30 DAYS	MORE 30 DY
35	RECON AIRCRAFT CHARACTERISTICS				1750K
93	AREA OF RESPONSIBILITY CHANGES				07000
170	TACTICAL UNIT STATUS AIRLIFT				0132K
175	AIRFIELD STATUS				06100

TABLE 8.6. PERISHABILITY OF SECURITY CLASSIFICATION OF UNCLASSIFIED TO SECRET FILES

FILE NUMB	FILE NAME	8-24 HRS	1-5 DAYS	5-30 DAYS	MORE 30 DY
* 3	REGULATIONS				1260K
4	DEFCON STATUS				00064
6	AIRFIELD DIRECTORY				0124K
11	TACS FACILITY STATUS				03744
* 13	FORCE ALLOCATION				00484
14	AIR DEFENSE PLANNING COORD				06000
16	ORB PTS-ROUTES FOR AIR DEF ACFT				08750
17	FIGHTER ESCORT REQUIREMENTS				12069
18	CAS AND INTERDICTION REQUEST				34656
19	INTERDICTION MISSION PROFILE				2880
22	MISSLE/HOT ZONE DATA				00606
24	TACTICAL ACTION DATA				00690
31	TACTICAL UNIT STATUS-RECON				00282
34	RECON MISSION REQUEST				32298
46	BOMBER MISSION DATA				11025
72	COLLECTION REQUIREMENTS EEI				27000
* 75	MISSION RECOMMENDATION				0447K

TABLE 8.6. PERISHABILITY OF SECURITY CLASSIFICATION OF UNCLASSIFIED TO SECRET FILES (CONTINUED)

FILE NUMB	FILE NAME	8-24 HRS	1-5 DAYS	5-30 DAYS	MORE 30 DY
* 76	EL INT MISSION REQUEST	06075			
* 77	GROUND FIRE REPORT	03780			
* 81	POST STRIKE IMAGERY REPORT	10620			
* 86	HERBICIDE MISSION PLAN DATA SOF	21060			
90	WEEKLY FLYING SCHEDULE SOF	00128			
94	A/G REPORTING PROCEDURES	17500			
95	AIR TERMINAL CONTROL PROCEDURES	70000			
96	CONTROL POINT DATA	28000			
97	AIR TRAFFIC IDENT PROCEDURES	28000			
98	PRIORITIES FOR AIRSPACE USE	28000			
100	FREE AIRSPACE DATA	0140K			
101	RESTRICTED AIRSPACE DATA	03500			
102	FRIENDLY AIRSPACE DATA	70000			
103	AIRSPACE UTILIZATION PLAN	21000			
104	GUIDANCE FOR AIRSPACE MANAGEMENT	28000			
105	AIR TRAFFIC CONTROL INSTRUCTIONS	0420K			
106	AIRSPACE CONFLICT DATA	52500			

TABLE 8.6. PERISHABILITY OF SECURITY CLASSIFICATION OF UNCLASSIFIED TO SECRET FILES (CONTINUED)

FILE NUMB	FILE NAME	8-24 HRS	1-5 DAYS	5-30 DAYS	MORE 30 DY
107	AIR TRAFFIC HANDLING CAPABILITY				0105K
108	MISSION ROUTING COORDINATION				0315K
109	SAR AIRCRAFT ALERT STATUS				09870
111	SAR MISSION PROGRESS REPORT				27346
114	SAR SUPPORT REQUIREMENTS				36360
133	TACTICAL UNIT STATUS TANKER				65700
134	REFUELING REQUIREMENTS				0640K
* 141	DAILY MEDICAL STATUS RPT MEDREP				0124K
* 146	UNIT ID SYSTEM RPT UCODES				0182K
* 151	OPERATIONS STOP REPORT OPREP-4				00316
158	AIRCRAFT LINEUP REPORT LINEUP				00890
159	ARRIVAL REPORT,TACOP				32760
160	DEPARTURE REPORT,TACOP				05109
161	DEVIATION REPORT				03810
* 167	COMM ELECTR OPSNS RPRT COMOPS				0256K
169	FRAG ORDER AIRLIFT				5500K
171	MISSION SCHEDULE AIRLIFT				0591K

TABLE 8.6. PERISHABILITY OF SECURITY CLASSIFICATION OF UNCLASSIFIED TO SECRET FILES (CONTINUED)

FILE NUMB	FILE NAME	8-24 HRS	1-5 DAYS	5-30 DAYS	MORE 30 DY
182	AIRLIFT REQUIREMENTS				14970
213	CONTROLLERS LOG BOOK-AIRLIFT				0486K
224	ACTION LOG-SURVEILLANCE				0695K
225	ACTION LUG-FIGHTER OPERATIONS				0348K
226	ACTION LOG-WEAPONS CONTROLLER				2087K
227	ACTION LOG-SEARCH AND RESCUE				0348K
228	ACTION LOG-INTELLIGENCE				0348K
229	ACTIVITY LOG-RECCE				0786K
230	DAILY ACTIVITY LOG-PHOTO INTELL				0174K
231	DAILY JOURNAL-FTR OFFICER PLANS				0348K
232	DAILY JOURNAL-AIR DEF OFF PLANS				0348K

TABLE 8.7. PERISHABILITY OF SECURITY CLASSIFICATION OF UNCLASSIFIED TO TOP SECRET FILES

FILE NUMB	FILE NAME	8-24 HRS	1-5 DAYS	5-30 DAYS	MORE 30 DY
1	OPERATIONS PLANS				140K
2	OPERATIONS ORDERS		0420K		
37	FRAG ORDER-R-ECON			0135K	
53	WEAPONS CHARACTERISTICS			5250K	
59	HOT NEWS RPRTS/SPOT INTEL RPRTS			02898	
69	INTELLIGENCE BRIEFING DATA			60000	
194	AIRLIFT OPERATIONS REPORT-ALOREP			0332K	

TABLE 8.8. PERISHABILITY OF SECURITY CLASSIFICATION OF
CONFIDENTIAL TO SECRET FILES

FILE NUMB	FILE NAME	8-24 HRS	1-5 DAYS	5-30 DAYS	MORE 30 DY
61	IMMED PHOTO/INTELLIGENCE REPORT				10179

TABLE 8.9. PERISHABILITY OF SECURITY CLASSIFICATION OF
SECRET TO TOP SECRET FILES

FILE NUMB	FILE NAME	8-24 HRS	1-5 DAYS	5-30 DAYS	MORE 30 DY
15	AIR DEFENSE PRIORITIES			17500	
58	ENEMY COMM ORDER OF BATTLE SMY		0173K		
62	INTELLIGENCE SUMMARY			31500	
* 65	TARGET PRIORITY LIST		71466		
70	INTELLIGENCE STUDY			17500	
74	INTELLIGENCE REPORT			0613K	

9.0 MATRIX SHOWING UPDATE FREQUENCIES OF DATA IN THE FILES

9.0 MATRIX SHOWING UPDATE FREQUENCIES OF DATA IN THE FILES

This section analyzes the update frequencies of data in the data base of the current TACC Complex. Update frequencies have been quantized for purposes of this Study into the following categories:

More than 10 times per hour

1 to 10 times per hour

6 to 23 times per day

1 to 5 times per day

Less than once per day

Highly variable

The "highly variable" category was necessary to include files which are not updated at regular time intervals such as the DEFCON Status which is changed dependent on enemy air activity.

The update frequency is a characteristic which, for many files, is dependent on force model factors listed in Section 3.0 of "Tabulation of TACC Secure Data, CDRL Item A-003". As such, the values for this characteristic were calculated by Hughes personnel to be compatible with a large scale operation exercising all tactical functions which the force model is capable of executing. In calculating these values, Hughes applied collected factors, which are non-time-dependent, to force model factors. An example of a collected non-time-dependent factor is that the Fighter Mission Schedule, File No. 10, is updated five times per mission. Multiplying this times 216 fighter missions per day (from Table 3.2 of CDRL Item A-003), the update frequency becomes 1080 times per day which averages in the "more than 10 times per hour" category. It is realized, however, that this update frequency would probably be higher than

9.0 MATRIX SHOWING UPDATE FREQUENCIES OF DATA IN THE FILES (continued)

The above value during peak activity periods since past history of TACC operations indicate that two peak periods normally occur during the day, hence update rates during these periods and a few hours preceding these periods would be considerably higher.

The following list shows the table numbers for the groups of files of each security classification:

Table 9.2	Unclassified
Table 9.3	Confidential
Table 9.4	Secret
Table 9.5	Top Secret
Table 9.6	Unclassified to Confidential
Table 9.7	Unclassified to Secret
Table 9.8	Unclassified to Top Secret
Table 9.9	Confidential to Secret
Table 9.10	Secret to Top Secret

Table 9.1 shows a summary of update frequencies for the files grouped by security classification. The analysis indicates that 30% of the files and 30% of the file volume is updated 1-5 times per day and only 4% of the files or 29% of data volume requires updating more than 10 times per hour. Of the files which are updated over 10 times per hour, those that are unclassified represent 2.1% of the files and 27.3% of the data volume in the current TACC data base. These consist primarily of four files; Air Situation Data, Inflight Intelligence Reports, Pilot Weather Reports, and the Radio Operator's Log Book. All of these files contain data which is of value to the enemy and as such should be handled as classified data. Undoubtedly the reason these files are not classified in the current system is that the means are not available to treat them as classified without delaying the communication of this

9.0 MATRIX SHOWING UPDATE FREQUENCIES OF DATA IN THE FILES (continued)

perishable data and thus deteriorating its value when it is urgently needed.

Another conclusion which may be drawn from Table 9.1 is that 48% of the volume of data is updated less frequently than six times per day. This may prove to be a fortunate factor in the design of the automated TACC for rapid access to the data for update purposes, at least, is not required for this large percentage of data.

TABLE 9.1 SUMMARY OF ANALYSIS OF UPDATE FREQUENCY OF DATA IN THE FILES

File Classification	Over 10/Hour No	Over 10/Hour Volume	1-10/Hour No	1-10/Hour Volume	6-23/Day No	6-23/Day Volume	1-5/Day No	1-5/Day Volume	Less Than 1 Day No	Less Than 1 Day Volume	Highly Variable No	Highly Variable Volume
U.	5	18,597,969	1	129,000	6	2,287,160	11	896,250	39	2,088,717	6	85,821
C.	0	—	0	—	0	—	3	35,900	3	83,310	0	—
S.	1	39,990	3	137,066	6	2,015,024	32	11,828,057	18	2,142,167	19	1,676,753
T.S.	0	—	—	—	—	—	2	4,560	0	—	—	—
U. to C.	0	—	—	—	1	132,000	1	6,100	2	1,757,000	0	—
U. to S.	2	906,000	8	4,098,647	8	2,413,500	15	6,573,039	18	631,707	11	2,174,949
U. to T.S.	0	—	2	334,898	0	—	2	195,000	3	5,810,000	0	—
C. to S.	0	—	1	10,179	0	—	—	—	—	—	—	—
S. to T.S.	0	—	0	—	1	173,000	5	750,966	0	—	—	—
TOTAL	8	19,543,959	15	4,709,790	22	7,020,684	71	20,289,872	83	12,512,901	36	3,937,523
% TOTAL	4%	29%	7%	7%	9%	10%	30%	30%	35%	18%	15%	6%

TABLE 9.2A. UPDATE FREQUENCY FOR UNCLASSIFIED FILES

FILE NUMB	FILE NAME	OVER 10/HR	1-10/ DAY	6-23/ DAY	1-5/ DAY	LESS 1/DAY
28	TACC SOPS				87500	
29	AIR SITUATION DATA		75000			
36	SOP'S FOR RECON DUTY PERSONNEL				42000	
54	INFLIGHT INTELLIGENCE REPORT		45162			
73	INTEL DUTY PERSONNEL SOP'S				03500	
91	SOP FOR SOF DUTY PERSONNEL				07000	
112	SAR AIRCRAFT CHARACTERISTICS				0150K	
113	SAR DUTY OFFICER SOP				14000	
119	AREA WEATHER FORECAST				36000	
120	TERMINAL WEATHER FORECAST				0316K	
121	SPECIAL MISSION FORECAST				35820	
123	WINDS ALOFT				12000	
124	FAC WEATHER REPORT				0210K	
125	PILOT WEATHER REPORT				0471K	
126	WEATHER RECONNISANCE REPORT				07260	
127	AIRBASE WEATHER OBSERVATION				1298K	
128	WEATHER MAP AND CHARTS				00000	

TABLE 9.2A. UPDATE FREQUENCY FOR UNCLASSIFIED FILES
(CONTINUED)

FILE NUMB	FILE NAME	OVER 10/HR	1-10/ DAY	6-23/ DAY	1-5/ DAY	LESS 1/DAY
129	RADAR WEATHER REPORTS			29160		
130	ARMED FORCES SURFACE MX OBS		0129K			
131	WEATHER INFORMATION REQUEST			02710		
139	SOP S FOR TANKER DUTY PERSONNEL				21000	
148	CLAIMS RPT CLAIMS				1620K	
174	AIRFIELD DESIGNATORS ALMS				04700	
178	AIRCRAFT PLANNING FACTORS				00729	
181	RECURRING MISSIONS SCHEDULE				0165K	
183	GROUND TIME				03696	
184	RECONFIGURATION TIME				00024	
185	MAJOR COMMAND				00152	
186	PRIORITY TABLE				01026	
187	SECURITY CLASSIFICATION				00140	
188	CARGO TYPE				00660	
189	PASSENGER TYPE				00165	
190	PALLET TYPE				00245	
191	DAVLIGHT HOURS				00144	

TABLE 9.2A. UPDATE FREQUENCY FOR UNCLASSIFIED FILES
(CONTINUED)

FILE NUMB	FILE NAME	OVER 10/HR	1-10/ DAY	6-23/ DAY	1-5/ DAY	LESS 1/DAY
192	COMPATIBLE AIRCRAFT				00150	
193	DAILY AIRLIFT SUMMARY		48600			
195	AIRLIFT AIRCRAFT TYPES				00072	
197	AIRLIFT OPERATING UNITS				00156	
198	AIRLIFT SORTIE FUNCTION				00384	
199	AIRLIFT MISSION DELAY REASONS				00396	
200	AIRLIFT MISSION LOW UTILIZATION				00476	
201	AIRLIFT MSN ABORT-DIVERSION				00196	
202	AIRLIFT SORTIE PRIORITIES				00352	
203	AIRLIFT TRAFFIC DELAY REASONS				00510	
204	AIRLIFT FRAG HEADQUARTERS				00605	
205	AGENCIES SUPPORTED-AIRLIFT				00396	
206	AIRLIFT DELIVERY MODE				00085	
207	AIRLIFT MODE TYPES				00378	
208	ALOREP COLLECTION POINTS				00051	
209	AIRLIFT SQUADRON-TYPE AIRCRAFT				00108	
210	AIRCRAFT TYPE-ACL				00090	

TABLE 9.2A. UPDATE FREQUENCY FOR UNCLASSIFIED FILES
(CONTINUED)

FILE NUMB	FILE NAME	OVER 10/HR	1-10/ DAY	6-23/ DAY	1-5/ DAY	LESS 1/DAY
211	AIRCRAFT TYPE-MAX SPEED				00081	
212	MILITARY AREA CODE				00050	
214	ALCC COMMAND POST			0360K		
215	RADIO OPERATORS LOG BOOK		0018H			
216	SUPPLY-ADMINISTRATIVE RECORDS				0114K	
218	AIRLIFT SQPS				52500	
219	AIRFIELD FOLDER				0075K	
221	MISSION NUMBER FILE		06807			
233	AIR TERMINAL TEAM FILE			0378K		
234	CASUALTY STAGING FACILITY FILE				58860	
235	INFILIGHT TEAM FILE				0112K	

TABLE 9.2B. UPDATE FREQUENCY FOR UNCLASSIFIED FILES

FILE NUMB	FILE NAME	HIGH VAR
048	NUDET REPORTS	01500
122	SEVERE WEATHER WARNING	00180
140	TRACK DATA	75000
173	FRAG ORDER ADDRESSES (FODL)	04599
180	AIRCRAFT ROUTING	04200
196	AIRLIFT COUNTRY-SERVICE-OPERATOR	00342

TABLE 9.3. UPDATE FREQUENCY FOR CONFIDENTIAL FILES

FILE NUMB	FILE NAME	OVER 10/HR	1-10/ DAY	6-23/ DAY	1-5/ DAY	LESS 1/DAY
7	DAILY AIRFIELD STATUS			29500		
47	CONTAMINATED AREAS NOTIFICATION			01900		
138	AIRCRAFT CHARACTERISTICS TANKER			35000		
176	AERIAL PORT EQUIPMENT			04000		
177	COMBAT CONTROL TEAM			04500		
179	AIRCRAFT RESOURCES			44310		

TABLE 9.4A. UPDATE FREQUENCY FOR SECRET FILES

FILE NUMB	FILE NAME	OVER 10/HR	1-10/ DAY	6-23/ DAY	1-5/ DAY	LESS 1/DAY
5	FRIENDLY GROUND SITUATION DATA				0150K	
8	TACTICAL UNIT STATUS-FIGHTER				02256	
9	TACTICAL UNIT MUNITIONS STATUS				19332	
10	MISSION SCHEDULE-FIGHTER	39990				
12	SAM/ADA WEAPONS STATUS			09920		
25	FRAG ORDER-FIGHTER			0750K		
30	GROUND SENSOR DATA	20000				
32	RECON AIRCRAFT ALERT STATUS		00184			
38	ECM MISSION SCHEDULE		02868			
39	ECM MISSION RECOMMENDATION			03294		
40	ECM MISSION REQUIREMENTS			15480		
43	ECM THREAT DATA			25920		
44	ELECTRONIC TACTICAL ACTION RPT			15066		
52	INTEND EMPL OF C/B WEAPONS RPT				01260	
55	ENEMY AIR ORDER OF BATTLE SMY				1462K	
56	ENEMY GRD ORDER OF BATTLE SMY				3110K	
57	ENEMY NAV ORDER OF BATTLE SMY				0137K	

TABLE 9.4A. UPDATE FREQUENCY FOR SECRET FILES
(CONTINUED)

FILE NUMB	FILE NAME	OVER 10/HR	1-10/ DAY	6-23/ DAY	1-5/ DAY	LESS 1/DAY
60	EL INT INFILIGHT REPORT				01644	
64	ENEMY AA/SAM ORDER OF BATTLE SMC		0178K			
66	TARGET NOMINATION LIST				41500	
68	INTEL INPUTS TO FRAG ORDER				32122	
71	INTELLIGENCE ESTIMATE				17880	
78	DEFENSE ANALYSIS				36000	
79	THREAT EVALUATION				03000	
83	CONSOLIDATED IMAGERY REQUIREMENT				13338	
84	TACTICAL UNIT STATUS SOF				43470	
85	PSYC WARFARE MISSION DATA SOF				21000	
87	HERICIDE FRAG ORDER SOF				11880	
88	PSYC WARFARE FRAG ORDER SOF				28080	
89	NOTIFICATION-EXEC-HERB-HSN SOF				08760	
92	MISSION REPORT MISREP SOF				01485	
99	AIR CORRIDOR DATA				28000	
110	SAR MISSION DATA				0102K	
115	SAR TACTICAL UNIT STATUS REPORT				05160	

TABLE 9.4A. UPDATE FREQUENCY FOR SECRET FILES
(CONTINUED)

FILE NUMB	FILE NAME	OVER 10/HR	1-10/ DAY	6-23/ DAY	1-5/ DAY	LESS 1/DAY
116	SAR FRAG ORDER				9560	
117	SAR MISSION REPORT MISREP				0104K	
118	RESCUE INFORMATION REPORT			0168K		
132	TANKER RESOURCES AVAILABLE			24200		
135	TANKER FRAG ORDER				59400	
136	MISSION SCHEDULE TANKER				65700	
142	MEDICAL CONTINGENCY RPT MEDCON				0124K	
143	MEDICAL EMERGENCY RPT MEDMER				46980	
145	PERSONNEL STATUS RPT PERSTAT				1741K	
147	CIVIL AFFAIRS RPT CIVAF				0148K	
150	OPS START RPT OPREP-2				02340	
152	OPNS EVENT/INCIDENT RPT OPREP-3				0454K	
153	COMMANDERS SITUATION RPRT SITREP				0108K	
154	COMM SECURITY REPORT COMSEC				03600	
155	AIRCREW/ACFT LOSS REPORT LOSREP				1286K	
156	INSTALLATION DAMAGE RPRT INREP				33000	
157	PETRO DMGE/DEFICIENCY RPT REPOL				13050	

TABLE 9.4A. UPDATE FREQUENCY FOR SECRET FILES
(CONTINUED)

FILE NUMB	FILE NAME	OVER 10/HR	1-10/ DAY	6-23/ DAY	1-5/ DAY	LESS 1/DAY
164	OPERATIONS SUM RPRT OPREP-5				3299K	
165	COMBAT ACTIVITIES REPORT COACT				70200	
166	FORCE STATUS REPORT FORSTAT				40600	
168	LOGISTIC STATUS REPORT LOGSTAT				1764K	
172	FRAG ORDER REMARKS ALMS	97500				
217	KAC CODE BOOK			0053K		
220	AREA-FUNCTION FILE		05695			
222	SPECIAL INSTRUCTION FILE			69840		
223	BASE TO TRACK FILE-REFUELING		33750			

TABLE 9.4B. UPDATE FREQUENCY FOR SECRET FILES

FILE NUMB	FILE NAME	HIGH VAR
020	FIGHTER MISSION PLANNING	13206
021	RESTRICTIVE FIRE PLAN	14000
023	FIGHTER ALERT STATUS	01424
026	ACTION LOG-FTR OPS DUTY OFFICER	15840
027	DEFCON/AIR RAID WARNING LOG	17925
033	RECON MISSION SCHEDULE	09234
041	ECM SUPPORT REQUIREMENTS	01308
042	ECM DATA	0420K
045	ECCM DATA	0212K
051	BIOLOGICAL/CHEMICAL ATTACK RPRT	00850
063	ENEMY ELEC ORDER OF BATTLE SMY	0248K
067	LZ/DZ/EZ INTELLIGENCE	10560
080	MISSION REPORT TACINTELL MISREP	70315
082	UNIFILE PHOTO INTERP REPORT	60984
137	REFUELING MISSION COMP. REPORT	0306K
144	PERSONNEL DEPLOY. RPT (PERSDEP)	0250K
149	DEPLOY PLAN SUMMARY RPT (DEPSUM)	01560

TABLE 9.4B. UPDATE FREQUENCY FOR SECRET FILES
(CONTINUED)

FILE NUMB	FILE NAME	HIGH VAR
162	AIRBORNE COMMAND POST RPRT (ACP)	12117
163	DEPLOYMENT SUM RPRT (DEPSUM-2)	11430

TABLE 9.5. UPDATE FREQUENCY FOR TOP SECRET FILES

FILE NUMB	FILE NAME	OVER 10/HR	1-10/ DAY	6-23/ DAY	1-5/ DAY	LESS 1/DAY
49	NUCLEAR STRIKE WARNING				02160	
50	NUCLEAR RESTRICTED AREA WARNING				02400	

TABLE 9.6. UPDATE FREQUENCY FOR UNCLASSIFIED TO
CONFIDENTIAL FILES

FILE NUMB	FILE NAME	OVER 10/HR	1-10/ DAY	6-23/ DAY	1-5/ DAY	LESS 1/DAY
35	RECON AIRCRAFT CHARACTERISTICS					175OK
93	AREA OF RESPONSIBILITY CHANGES					07000
170	TACTICAL UNIT STATUS AIRLIFT				0132K	
175	AIRFIELD STATUS			06100		

TABLE 9.7A. UPDATE FREQUENCY FOR UNCLASSIFIED TO
SECRET FILES

FILE NUMB	FILE NAME	OVER 10/HR	1-10/ DAY	6-23/ DAY	1-5/ DAY	LESS 1/DAY
6	AIRFIELD DIRECTORY				0124K	
11	TACS FACILITY STATUS				03744	
13	FORCE ALLOCATION				00484	
14	AIR DEFENSE PLANNING COORD				06000	
16	ORB PTS-ROUTES FOR AIR DEF ACFT				08750	
17	FIGHTER ESCORT REQUIREMENTS				12069	
19	INTERDICTION MISSION PROFILE				2880	
22	MISSLE/HOT ZONE DATA			00606		
31	TACTICAL UNIT STATUS-RECON				00282	
34	RECON MISSION REQUEST				32298	
46	BOMBER MISSION DATA				11025	
72	COLLECTION REQUIREMENTS EEI				27000	
75	MISSION RECOMMENDATION				0447K	
76	EL INT MISSION REQUEST				06075	
77	GROUND FIRE REPORT				03780	
81	POST STRIKE IMAGERY REPORT				10620	
86	HERBICIDE MISSION PLAN DATA SOF				21060	

TABLE 9.7A. UPDATE FREQUENCY FOR UNCLASSIFIED TO
SECRET FILES (CONTINUED)

FILE NUMB	FILE NAME	OVER 10/HR	1-10/ DAY	6-23/ DAY	1-5/ DAY	LESS 1/DAY
90	WEEKLY FLYING SCHEDULE SOF				00128	
94	A/G REPORTING PROCEDURES				17500	
95	AIR TERMINAL CONTROL PROCEDURES				70000	
96	CONTROL POINT DATA				28000	
97	AIR TRAFFIC IDENT PROCEDURES				28000	
98	PRIORITIES FOR AIRSPACE USE				28000	
99	FREE AIRSPACE DATA				0140K	
100	RESTRICTED AIRSPACE DATA				03500	
101	FRIENDLY AIRSPACE DATA				70000	
102	AIRSPACE UTILIZATION PLAN				21000	
103	GUIDANCE FOR AIRSPACE MANAGEMENT				28000	
105	AIR TRAFFIC CONTROL INSTRUCTIONS				0420K	
106	AIRSPACE CONFLICT DATA				52500	
107	AIR TRAFFIC HANDLING CAPABILITY				0105K	
108	MISSION ROUTING COORDINATION				0315K	
109	SAR AIRCRAFT ALERT STATUS				09870	
111	SAR MISSION PROGRESS REPORT				27346	

TABLE 9.7A. UPDATE FREQUENCY FOR UNCLASSIFIED TO
SECRET FILES (CONTINUED)

FILE NUMB	FILE NAME	OVER 10/HR	1-10/ DAY	6-23/ DAY	1-5/ DAY	LESS 1/DAY
114	SAR SUPPORT REQUIREMENTS				36360	
133	TACTICAL UNIT STATUS TANKER			65700		
141	DAILY MEDICAL STATUS RPT MEDREP			0124K		
151	OPERATIONS STOP REPORT OPREP-4			00316		
167	COMM ELECTR OPS RPT COMOPS			0256K		
169	FRAG ORDER AIRLIFT			5500K		
171	MISSION SCHEDULE AIRLIFT	0591K				
213	CONTROLLERS LOG BOOK-AIRLIFT	0486K				
224	ACTION LOG-SURVEILLANCE	0695K				
225	ACTION LOG-FIGHTER OPERATIONS		0348K			
226	ACTION LOG-WEAPONS CONTROLLER	2087K				
227	ACTION LOG-SEARCH AND RESCUE		0348K			
228	ACTION LOG-INTELLIGENCE		0348K			
229	ACTIVITY LOG-RECCE	0786K				
230	DAILY ACTIVITY LOG-PHOTO INTELL		0174K			
231	DAILY JOURNAL-FTR OFFICER PLANS		0348K			
232	DAILY JOURNAL-AIR DEF OFF PLANS		0348K			

TABLE 9.7B. UPDATE FREQUENCY FOR UNCLASSIFIED TO SECRET FILES

FILE NUMB	FILE NAME	HIGH VAR
003	REGULATIONS	1260K
004	DEFCON STATUS	00064
018	CAS AND INTERDICTION REQUEST	34656
024	TACTICAL ACTION DATA	00690
134	REFUELING REQUIREMENTS	0640K
146	UNIT ID SYSTEM RPT (UCODES)	0182K
158	AIRCRAFT LINEUP REPORT (LINEUP)	00890
159	ARRIVAL REPORT, TACOP	32760
160	DEPARTURE REPORT, TACOP	05109
161	DEVIATION REPORT	03810
182	AIRLIFT REQUIREMENTS	14970

TABLE 9.8. UPDATE FREQUENCY FOR UNCLASSIFIED TO
TOP SECRET FILES

FILE NUMB	FILE NAME	OVER 10/HR	1-10/ DAY	6-23/ DAY	1-5/ DAY	LESS 1/DAY
1	OPERATIONS PLANS					140K
2	OPERATIONS ORDERS					0420K
37	FRAG ORDER-RECON					0135K
53	WEAPONS CHARACTERISTICS					5250K
59	HOT NEWS RRPTS/SPOT INTEL RRPTS			02898		
69	INTELLIGENCE BRIEFING DATA				60000	
194	AIRLIFT OPERATIONS REPORT-ALOREP			0332K		

TABLE 9.9. UPDATE FREQUENCY FOR CONFIDENTIAL TO
SECRET FILES

FILE NUMB	FILE NAME	OVER 10/HR	1-10/ DAY	6-23/ DAY	1-5/ DAY	LESS 1/DAY
61	IMMED PHOTO/INTELLIGENCE REPORT		10179			

TABLE 9.10. UPDATE FREQUENCY FOR SECRET TO
TOP SECRET FILES

FILE NUMB	FILE NAME	OVER 10/HR	1-10/ DAY	6-23/ DAY	1-5/ DAY	LESS 1/DAY
15	AIR DEFENSE PRIORITIES				17500	
58	ENEMY COMM ORDER OF BATTLE SHY		0173K			
62	INTELLIGENCE SUMMARY			31500		
65	TARGET PRIORITY LIST			71466		
70	INTELLIGENCE STUDY			17500		
74	INTELLIGENCE REPORT		0613K			

SECTION 10.0

COMPLETE FILE LISTING

10.0 COMPLETE FILE LISTING

This section provides a ready reference to the characteristics of the data base files found to be in use in the current TACC Complex. It is reproduced from a printout of the complete card deck described in Section 2.0. As such it contains all of the characteristics of the data in the current TACC data base which were collected during this Study. These characteristics may be used for further analyses if desired. Table 10.1 contains the coding necessary to interpret this listing.

TABLE 10.1 CODING FOR FILE LISTING

<u>Column Numbers and Item Name</u>	<u>Categories</u>	<u>Code</u>
1-3 File Number		4 digits
4 Blank		
5 Card Code	To identify card as a data card	1
6 Blank		
7-38 File Name		
39 Blank		
40 Update Frequency	More than 10 times/hour 1 to 10 times/hour 6 to 23 times/day 1 to 5 times/day Less than once per day Highly variable	1 2 3 4 5 V
41 Blank		
42 File Security Classification	Unclassified Confidential Secret Top Secret Confidential NOFORN Secret NOFORN Top Secret NOFORN Unclassified to Confidential Unclassified to Secret Unclassified to Top Secret Confidential to Secret Secret to Top Secret	U C S T 1 2 3 4 5 6 7 8

TABLE 10.1 CODING FOR FILE LISTING (continued)

<u>Column Numbers and Item Name</u>	<u>Categories</u>	<u>Code</u>
43 Blank		
44-45 Number of Internal Users		2 digits
46 Blank		
47-49 Number of External Users		3 digits
50 Blank		
51-52 Nature of File	Textual Pictorial Numerical Tabular Mixed Other	X F N T M O
54-55 Format of File	Form Log Document Map Overlay Book Notebook Group Display Photo TTY Printout Facsimile File Folder Letter Mixed Other	FM LG DO MP OL BK NB GD PH TY FC FF LR MX OR
56 Blank		
57-61 Size of File	Characters Thousands of Characters Millions of Characters If all Pictorial Data	5 digits 4 digits + K 4 digits + M Blank
62 Pictorial Data Indicator	If any or all of file is pictorial data If no pictorial data	P Blank
63 Blank		
64 Storage Medium	File Cabinet Safe Bookcase Display Board Clipboard Notebook	F S B D C N

TABLE 10.1 CODING FOR FILE LISTING (continued)

<u>Column Numbers and Item Name</u>	<u>Categories</u>	<u>Code</u>
64 (cont'd)	Table or Desk Top Table or Desk Drawer Other Mixed	T R O M
65 Blank		
66 Physical Location	Current Ops Current Plans ALCC Weather Mixed Other	O P A W M R
67 Blank		
68 Perishability of Data	Less than 5 min. 5-30 min. 30-60 min. 1-2 hrs. 2-8 hrs. 8-24 hrs. 1-5 days 5-30 days More than 30 days	1 2 3 4 5 6 7 8 9
69 Blank		
70 Perishability of Security Classification	Same as for Perishability of Data	
71 Blank		
72 Disposition of Data	Destroyed Filed for Reference	D F
73 Blank		
74-77 File unique to TACC type	Training Non-Combat Non-Nuclear Combat Nuclear Combat	T O C N
78 Blank		
79-80 Note number for remarks as follows:		2 digits

- 01 - Column 40 estimated by Hughes (update frequency)
 02 - Column 42 estimated by Hughes (Security Classification)
 03 - File size taken from Tactical Air Command Operational Concept TACC/TACS Requirements for Automation of Information Flow and Display (U), 1 May 1970 (Confidential)

TABLE 10.1 CODING FOR FILE LISTING (continued)

79-80 (cont'd)

- 04 - File size estimated by Hughes
- 05 - Combo of 01 and 02
- 06 - Combo of 01 and 04
- 07 - Combo of 01, 02, and 04
- 08 - Combo of 02 and 04

FILE NAME	FILE SIZE	FORMAT OF FILE	DATA LINK	PHYSICAL LOCATION	STORAGE MEDIUM	DATA LINK OF SECU.R. CL.	TYPE OF DATA	OPERATION	REMARKS NUMBER FOR
001 1 OPERATIONS PLANS	5 6 1A 001 N MX 140K	9 N 0 0 T 0 C N 0 4							
002 1 OPERATIONS ORDERS	5 6 15 056 X 80 0420K	S H A R E N T 0 C N 0 4							
003 1 REGULATIONS	V 5 37 000 X 80 1260K	H H 9 9 B T 0 C N 0 4							
004 1 DEFCON STATUS	V 5 02 090 X 80 00064	H H 9 9 D T 0 C N 0 4							
005 1 FRIENDLY GROUND SITUATION DATA	4 S 14 001 XP MX 0150kp	H H 9 9 P T 0 C N 0 4							
006 1 AIRFIELD DIRECTORY	9 5 20 040 XP DO 0124kp	R R 9 9 D T 0 C N 0 4							
007 1 DAILY AIRFIELD STATUS	4 C 30 113 XT MX 2050n	H H 6 9 D T 0 C N 0 4							
008 1 TACTICAL UNIT STATUS-FIGHTER	4 S 1A 023 XN MX 0225k	H H 5 9 P T 0 C N 0 4							
009 1 TACTICAL UNIT MINITIONS STATUS	4 S 07 047 X MX 19332	H H 6 9 D T 0 C N 0 4							
010 1 MISSION SCHEDULE-FIGHTER	1 S 2n 003 XT MX 3999n	H H 9 9 P T 0 C N 0 6							
011 1 TACS FACILITY STATUS	4 S 23 026 T MX 03744	H H 6 9 P T 0 C N 0 4							
012 1 SAM/ADA WEAPONS STATUS	4 S 1n 001 T MX 0902n	H H 5 9 D T 0 C N 0 4							
013 1 FORCE ALLOCATION	4 S 22 004 X MX 00484	H H 9 9 P T 0 C N 0 4							
014 1 AIR DEFENSE PLANNING COORD	9 5 07 006 X MX 0600n	H H 9 9 D T 0 C N 0 4							
015 1 AIR DEFENSE PRIORITIES	4 0 07 001 X MX 1750n	H H 9 9 B T 0 C N 0 4							
016 1 ORA PTS-ROUTES FOR AIR DEF ARTY	4 5 17 046 XP MX 0R75NP	H H 9 9 B T 0 C N 0 4							
017 1 FIGHTER ESCORT REQUIREMENTS	4 5 1A 004 X MX 12069	H H 6 9 P T 0 C N 0 4							
018 1 CAR AND INTERDICTION REQUEST	V 5 0n 003 XT MX 3465A	H H 6 9 P T 0 C N 0 6							
019 1 INTERDICTION MISSION PROFILE	5 5 03 00n M MX 2880	H H 9 9 P T 0 C N 0 4							
020 1 FLIGHTER MISSION PLANNING	V S 0.3 00n T MX 13206	H H 7 0 D T 0 C N 0 4							

FILE NO.	FILE NAME	FORMAT OF FILE	FILE SIZE	STORAGE MEDIUM	TYPE OF DATA	DATA SOURCE/CLASSIFICATION	NO. OF INTERNAL LINES	NO. OF EXTERNAL LINES	FILE CODE	REMARKS
021 1	RESTRICTIVE FIRE PLAN	V S 19 00A X MX 14000	M P 6 9 B T CN 04							
022 1	MISSLE/HOT ZONE DATA	2 5 20 067 XP MX 00606P	M H 9 9 A T CN 04							
023 1	FIGHTER ALERT STATUS	V S 07 023 XT MX 01424	M H 6 9 P T CN 04							
024 1	TACTICAL ACTION DATA	V S 07 002 XT MX 00696	M H 9 9 P T CN 06							
025 1	FRAN ORDER-FIGHTER	4 S 26 052 X MX 0750X	M H 6 9 P TNCN 04							
026 1	ACTION LOG-PTR OPS DUTY OFFICER	V S 13 000 X LG 15A4R	M H 9 9 B TNCN 04							
027 1	DEFCON/AIR RAID WARNING LOA	V S 01 000 XP MX 17025P	M H 5 9 B T CN 06							
028 1	TACF SNAPS	5 U 24 000 X MX A750R	M H 9 9 B TNCN 06							
029 1	AIR SITUATION DATA	1 U 09 001 PT MX 7500AP	M H 5 9 P TNCN 03							
030 1	GROUND SENSOR DATA	2 S 13 004 PT MX 200000	M H 6 9 P T NCN 03							
031 1	TACTICAL UNIT STATUS-RECON	4 S 0A 002 XM MX 00202	M H 5 9 P TNCN 04							
032 1	RECON AIRCRAFT ALERT STATUS	3 S 0A 006 N MX 00184	M H 5 9 P TNCN 06							
033 1	RECON MISSION SCHEDULE	V S 0A 005 T MX 00234	M H 6 9 P TNCN 06							
034 1	RECON MISSION REQUEST	5 S 0A 009 XT FM 3279R	M H 7 9 F TNCN 04							
035 1	RECON AIRCRAFT CHARACTERISTICS	3 4 02 000 XP DO 1750KP	M H 9 9 B TNCN 07							
036 1	SNAPS FOR RECON DUTY PERSONNEL	5 U 03 000 X MR 40000	M H 9 9 B TNCN 04							
037 1	FRAN ORDER-RECON	4 6 21 010 X MX 0135X	M H 4 9 P TNCN 04							
038 1	ECH MISSION SCHEDULE	4 S 0A 003 T MX 02R6R	M H 6 9 B T CN 04							
039 1	ECH MISSION RECOMMENDATION	9 S 11 001 XT TY 03294	M P 7 9 D TNCN 06							
040 1	ECH MISSION REQUIREMENTS	4 S 11 009 R MX 154R0	M P 6 9 B TNCN 04							

FILE NO.	CARD CODE	CLASSIFICATION	SECURITY CLASSIFICATION	LEVELS	NO. OF EXTERNAL	FORMAT OF FILE	FILE SIZE	STORAGE MEDIUM	DATA SOURCE	DATA LOCALISATION	PERMISSION OF SECUR. CL.	DISPOSITION OF DATA	TYPE OF DATA	LAST NUMBER FOR	REMARKS	
FILE NAME																
041 1 ECM SUPPORT REQUIREMENTS	V S 13 001 XT MX 0130A	M P 7 9 8 TNCN 04														
042 1 ECM DATA	V S 17 006 XT MX 0470K	S P R 9 P TNCN 04														
043 1 FOM THREAT DATA	V S 13 001 XT MX 2592A	S P R 9 P TNCN 06														
044 1 ELECTRONIC TACTICAL ACTION RPT	2 S 03 006 XT MX 1506A	M P 6 9 P TNCN 06														
045 1 FCOM DATA	V S 16 005 XT MX 0212K	S P 8 9 P TNCN 04														
046 1 BOMBER MISSION DATA	9 5 12 005 XT MX 1102B	M P 8 9 0 T CN 06														
047 1 CONTAMINATED AREAS NOTIFICATION	4 C 24 046 X TY 01000	M P 9 9 P TNCN 06														
048 1 NINETEEN RPT	V U 3n 145 H MX 0150nP	M P 2 2 P T N 04														
049 1 NUCLEAR STRIKE WARNING	4 T 03 008 X TY 0716A	M P 6 9 8 T N 06														
050 1 NUCLEAR RESTRICTED AREA WARNING	4 T 02 081 X TY 0240A	M P 8 9 P T N 06														
051 1 RIOLOGICAL/CHEMICAL ATTACK RPT	V S 63 049 X MX 00R5A	M P 3 9 P TNCN 04														
052 1 INTEND FMPL OF C/R WEAPONS RPT	9 S 03 006 X MX 0126A	M P 6 9 0 T CN 07														
053 1 WEAPONS CHARACTERISTICS	9 6 09 004 XP MX 5250Kp	S P 9 9 P TNCN 07														
054 1 INFLIGHT INTELLIGENCE REPORT	1 U 1A 025 XT MX 4516P	M H 6 A B TNCN 06														
055 1 FNEWY AIR ORDER OF RATTLE SHV	3 S 20 047 H MX 1462K	M H 5 9 P T CN 04														
056 1 FNEWY ARD ORDER OF RATTLE SHV	4 S 17 044 H MX 3110K	M H 5 9 P T CN 04														
057 1 ENEMY NAV ORDER OF RATTLE SHV	3 S 20 044 P MX 0137K	M H 5 9 P T CN 04														
058 1 ENEMY FOMM ORDERS OF RATTLE SHV	3 R 14 044 H MX 0173K	M H 5 9 P T CN 04														
059 1 HOT NEWS RPTS/SPOT INTEL RPT	2 6 13 003 XT MX 0289R	M H 6 9 0 TNCN 06														
060 1 FLINT INFLIGHT REPORT	4 S 17 024 XT MX 01644	M H 6 9 P TNCN 04														

FILE NO.	FILE CODE	FILE NAME	FORMAT OF FILE	FILE SIZE	LINK	TYPE OF DATA	DESCRIPTION	LINK	NOTE NUMBER	REMARKS
061 1	IMMFD PHOTO/INTELLIGENCE REPORT	2 7 11 003 XP MX 1n170P	M P 6 9 M T	T C N 0 6						
062 1	INTELLIGENCE SUMMARY	4 R 33 001 X MX 31500	M P 4 9 P	T C N 0 7						
063 1	ENEMY FIRE ORDER OF BATTLE SWY	V S 13 001 H MX 0248K	M N 6 9 8	T C N 0 4						
064 1	ENEMY AA/SAM ORDER OF BATTLE SWY	S S 17 001 H MX 0178KP	M N 6 9 8	T C N 0 4						
065 1	TARGET PRIORITY LIST	4 6 14 002 XT MX 7146A	M P 7 9 8	T C N 0 4						
066 1	TARGET NOMINATION LIST	4 S 13 003 XT MX 4150N	M P 6 9 M	T C N 0 4						
067 1	LZ/NZ/E7 INTELLIGENCE	V S 10 001 H MX 1n56NP	M X 6 9 M	T C N 0 4						
068 1	INTL INPUTS TO FRAR ORDER	4 S 21 056 XT MX 3712P	M P 6 9 M	T C N 0 6						
069 1	INTELLIGENCE APIFFING DATA	4 6 28 001 XP MX 6n00NP	M P 6 9 M	T C N 0 4						
070 1	INTELLIGENCE STUDY	4 8 04 001 H MX 1750NP	S P 9 9 P	T C N 0 4						
071 1	INTELLIGENCE ESTIMATE	4 S 05 001 X MX 1788N	M P 8 9 P	T C N 0 4						
072 1	COLLECTION REQUIREMENTS EEI	4 9 19 056 X MX 27n0N	S P 8 9 P	T C N 0 8						
073 1	INTEL RUTY PERSONNEL SOPS	9 U 03 000 X MX 0350N	M P 9 9 M	T C N 0 4						
074 1	INTELLIGENCE REPORT	4 R 07 001 P MX 0613KP	M N 9 9 M	T C N 0 7						
075 1	MISSION RECOMMENDATION	3 5 13 001 XT MX 0447W	M H 7 9 M	T C N 0 6						
076 1	FLINT MISSION REQUEST	2 5 02 001 XT MX 06n7N	M P 7 9 M	T C N 0 8						
077 1	GROUND FIRE REPORT	4 5 20 001 XT TY 0378R	M P 6 9 P	T C N 0 8						
078 1	NEFFNSF ANALYSIS	4 S 13 001 X MX 36n0N	M P 7 9 P	T C N 0 4						
079 1	TURFAT EVALUATION	4 S 14 001 XT TY 03n0N	S P 7 9 P	T C N 0 4						
080 1	MISSION REPORT TACINTELL MISREP	V S 19 001 XT MX 7n71N	M P 6 9 M	T C N 0 4						

FILE NO.	FILE NAME	FORMAT OF FILE	FILE SIZE	STORAGE MEDIUM	PHYSICAL LOCATION	SECURITY CLASSIFICATION	DATA ING.	FILE NUMBER	REMARKS
001 1	POST STRIKE IMAGERY REPORT	2 5 11 001 XT TV 1062A H P 7 ♦ P T0CN 04							
002 1	UNIPILF PHOTO INTERP REPORT	V S 01 001 XP MX 60004P H P A ♦ P T0CN 08							
003 1	CONSOLIDATED IMAGERY REQUIREMENT	S 01 001 X MX 1333A S P A ♦ D T0CN 07							
004 1	TACTICAL UNIT STATUS (SOF)	4 S 02 001 XT MX 4347A H 1 5 ♦ R T0CN 04							
005 1	PSYC WARFARE MISSION DATA (SNF)	S 02 003 X MX 2100A S P 8 ♦ P T0CN 06							
006 1	HERRICINE MISSION PLAN DATA(SNF)	S 04 003 XT MX 2106A H P 8 ♦ P T CN 06							
007 1	HERRICINE FRAG ORNFR (SOF)	S 07 061 XT MX 1100A H P 7 ♦ P T CN 06							
008 1	PSYC WARFARE FRAG ORNFR (SNF)	S 04 006 XT MX 2008A H P 7 ♦ P T0CN 06							
009 1	NOTIFICATION=EXFC=HFRB=HSN (SNF)	S 03 012 XT MX 0076A H M 9 ♦ P T CN 04							
010 1	WEEKLY FLYING SCHEDULE (SOF)	S 05 015 NT MX 0012A H P 9 ♦ B T CN 04							
011 1	SNP FNP SNF DUTY PERSONNEL	S U 04 000 XT MX 0700A H M 9 ♦ R T0CN 04							
012 1	MISSION REPORT (MISREP) (SNF)	S S 05 017 XT MX 0140K S P A ♦ P T0CN 06							
013 1	AREA OF RESPONSIBILITY CHANGES	S 4 20 042 MX MX 0700RP H M 9 ♦ D T0CN 07							
014 1	A/6 REPORTING PROCEDURES	S 5 25 100 X MX 17500 H M 9 ♦ D T0CN 04							
015 1	AIR TERMINAL CONTROL PROCEDURES	S 5 23 117 X MX 70000 H M 9 ♦ P T0CN 04							
016 1	CONTROL POINT DATA	S 5 12 095 XN MX 2000A H M 9 ♦ P T0CN 04							
017 1	AIR TRAFFIC IDNT PROCEDURES	S 5 12 095 XN MX 20000 H M 9 ♦ P T0CN 04							
018 1	PRIORITIES FOR AIRSPACE USF	S 14 045 X MX 20000 H M 9 ♦ P T0CN 04							
019 1	AIR CORRIDOR DATA	S 26 093 XN MX 20000 H M 9 ♦ P T0CN 04							
020 1	FREF AIRSPACE DATA	S 27 092 XP MX 0140KPA H M 9 ♦ P T0CN 04							

FILE NAME	FILE NO.	CASE NO.	CLASSIFICATION	DISCRETE FREQUENCY	NO OF INTERNAL	NO OF EXTERNAL	ADDRESS	FORMAT OF FILE	STORAGE MEDIUM	DATA LOCATION	SECURE CL.	TYPE OF DATA	NOTES	NUMBER FOR	REMARKS
101 1 RESTRICTED AIRSPACE DATA	9 5 26	092	XP MX 03500P	M H 9 9 P	TNCN 06										
102 1 FRIENDLY AIRSPACE DATA	9 5 25	092	XP MX 70000P	M H 9 9 P	TNCN 06										
103 1 AIRSPACE UTILIZATION PLAN	9 5 03	001	X MX 21000	M P 9 9 P	TNCN 06										
104 1 GUIDANCE FOR AIRSPACE MANAGEMENT	9 5 03	001	XN MX 20000	M P 9 9 P	TNCN 07										
105 1 AIR TRAFFIC CONTROL INSTRUCTIONS	4 5 04	129	XT MX 0420K	M H 9 9 B	TNCN 06										
106 1 AIRSPACE CONFLICT DATA	3 5 22	064	XN MX 32500	M H 4 A P	TNCN 06										
107 1 AIR TRAFFIC HANDLING CAPABILITY	4 5 02	043	X MX 0105K	M H 9 9 P	TNCN 06										
108 1 MISSION ROUTING COORDINATION	1 5 03	005	X MX 0315K	M H 9 9 P	TNCN 04										
109 1 SAR AIRCRAFT AIRFT STATUS	4 5 05	005	NT MX 00R7A	M H 9 9 P	TNCN 04										
110 1 SAR MISSION DATA	2 5 04	003	XT MX 01n2K	M H 9 9 P	TNCN 06										
111 1 SAR MISSION PROGRESS REPORT	2 5 04	004	XT MX 27346	M H 9 9 P	TNCN 04										
112 1 SAR AIRCRAFT CHARACTERISTICS	5 02	001	X MX 0150K	M H 9 9 P	TNCN 04										
113 1 SAR DUTY OFFICER SOP	5 02	009	X MX 14n00	M H 9 9 B	TNCN 04										
114 1 SAR SUPPORT REQUIREMENTS	4 5 04	005	XT MX 3636n	M P 9 9 P	TNCN 04										
115 1 SAR TACTICAL UNIT STATUS REPORT	5 03	003	XT MX 0516n	M H 9 9 P	TNCN 06										
116 1 SAR FRAG ORDER	4 5 02	099	XT MX 9560	M H 9 9 P	TNCN 04										
117 1 SAR MISSION REPORT (MISREP)	4 5 04	004	XT MX 01n4K	M H 9 9 P	TNCN 04										
118 1 RESUME INFORMATION REPORT	3 5 10	003	XT MX 01nAK	M H 9 9 P	TNCN 04										
119 1 AREA WEATHER FORECAST	4 0 35	049	X MX 36000	M H 5 9 B	TNCN 04										
120 1 TERMINAL WEATHER FORECAST	4 0 35	047	X MX 0316K	M H 6 9 B	TNCN 04										

FILE NO.	CARD CODE	FILE NAME	FORMAT OF FILE	LENTH	FILE SIZE	PICOTRIAL DATA ING.	STANR	AWARNS	BLANK	PERMISSN OF SECUR. CL.	BLANK	PERMISSN OF DATA	BLANK	TYPE OF DATA	BLANK	DISPNSN OF SECUR. CL.	BLANK	PERMISSN OF DATA	BLANK	TYPE OF DATA	BLANK	REMARKS	NOTE NUMBER FOR	
141 1 DAILY MEDICAL STATUS RPT(MEDFDRFP)	4	5 04 006 XT MX A124K	M M A 9 P T0CN 04																					
142 1 MEDICAL CONTINGENCY RPT (MEDCON)	4	S 04 006 XT MX A124K	S H 6 9 P T0CN 08																					
143 1 MEDICAL EMERGENCY RPT (MEDMER)	4	S 04 006 XT MX 4608A	S H A 9 P T0CN 08																					
144 1 PERSONNEL REPLAY. RPT (PERSONFP)	V S 02 006 XT MX 0250K	S M 9 4 P T0CN 08																						
145 1 PERSONNEL STATUS RPT (PERSTAT)	9 S 03 007 XT YY 1741K	S M 7 9 P T0CN 08																						
146 1 UNIT IN SYSTEM RPT (UCONES)	V 5 01 017 XT YY 0148K	M M 7 9 P T0CN 08																						
147 1 CIVIL AFFAIRS RPT (CIVAF)	9 S 02 001 XT YY 0148K	S H 7 9 P T0CN 08																						
148 1 CLAIMS RPT (CLAIMS)	9 11 02 001 X MX 1620K	F M 9 9 P T0CN 04																						
149 1 REPLAY PLAN SUMMARY RPT(DEPSIM1)	V S 03 011 XT MX 0156A	S M 9 9 P T0CN 04																						
150 1 OPS START RPT (OPREP-2)	9 S 02 005 XT YY 0234A	S P R 9 P T0CN 04																						
151 1 OPERATIONS STOP REPORT(OPREP-4)	9 5 02 013 XT MX 0031A	H H 7 9 P T0CN 06																						
152 1 OPNS FVFNT/INCIDENT RPT(0PPRFP-3)	4 S 02 015 XT MX 0454K	S M 7 9 P T0CN 04																						
153 1 COMMANDERS SITUATION RPT(SITRFP)	4 S 02 015 X YY 0108K	S H 6 9 P T0CN 04																						
154 1 COMM SECURITY REPORT(COMSEC)	9 S 36 069 X YY 0360A	S H O 9 P T0CN 06																						
155 1 AIRREFU/ACFT LOSS REPORT(LASRFP)	4 S 02 019 XT YY 1286K	S H A 9 P T0CN 04																						
156 1 INSTALLATION DAMAGE RPT(INRFP)	9 S 03 050 XT YY 3380A	S H R 9 P T0CN 04																						
157 1 PETROL NUMBER/DEFICIENCY RPT(REFN)	9 S 03 010 XT YY 1305A	M M 9 9 P T0CN 04																						
158 1 AIRCRAFT LINEUP REPORT(LINRFP)	V 5 16 040 XT YY 0089A	M M 9 9 P T0CN 04																						
159 1 ARRIVAL REPORT,TACNP	V 5 12 040 XT MX 3276A	M M 7 9 P T0CN 04																						
160 1 DEPARTURE REPORT,TACNP	V 5 14 040 XT MX 05100	M M 7 9 P T0CN 04																						

FILE NO.	FILE NAME	FORMAT OF FILE	LINK	NATURE OF FILE	LINK	POLICY OF FILE	LINK	STANDARD DATA IND	PHYSICAL LOCATION	PARTITION OF DATA	LINK	DISPOSITION OF DATA	LINK	TYPE OF DATA	LINK	NOTES NUMBER FOR	OPERATION	LINK
161 1	MISSION REPORT	V 5 12 04N XT MX 0711A	M	H	7	♦	T	T0CN	04									
162 1	AIRORN COMMAND POST RPT(CARP)	V S 04 041 X	MX	17117	M	H	9	♦	T	T0CN	06							
163 1	DEPLOYMENT SUM RPT(NEPSUM-2)	V S 03 040 XT YY	11430	M	H	9	♦	P	T	T0CN	04							
164 1	OPERATIONS SUM RPT(NPREP-5)	4 S 14 042 XT YY	3799K	M	H	9	♦	P	T	T0CN	04							
165 1	COMBAT ACTIVITIES REPORT(CRAFT)	4 S 14 042 T	YY	70200	M	H	9	♦	P	T	T0CN	04						
166 1	FORCE STATUS RPT(FORSTAT)	4 S 23 047 T	MX	40600	M	H	7	♦	P	T	T0CN	04						
167 1	COMM EFACTR OPNS RPT(COMOPS)	4 S 03 046 XT MX	0756K	M	H	6	♦	P	T	T0CN	04							
168 1	LOGISTIC STATUS REPORT(LOGSTAT)	4 S 02 042 XT YY	1764K	M	H	7	♦	P	T	T0CN	04							
169 1	FRAG OWNER (AIRLIFT)	4 S 02 054 XT MX	5500K	M	H	7	9	P	T	T0CN	04							
170 1	TACTICAL UNIT STATUS (AIRLIFT)	3 4 02 012 T	MX	0132K	M	H	6	♦	P	T	T0CN	06						
171 1	MISSION SCHEDULE (AIRLIFT)	1 5 05 065 T	MX	0591K	M	H	6	♦	P	T	T0CN	04						
172 1	FRAG OWNER REMARKS (ALMS)	4 S 01 000 M	0R	97500	N	H	9	♦	N	T	T0CN	06						
173 1	FRAG OWNER ADDRESSES (FOOD)	V H 17 046 YN	0R	04599	N	K	9	0	N	T	T0CN	04						
174 1	AIRFIELD DESIGNATORS (ALMS)	9 H 01 000 Y	0R	04700	N	X	9	9	N	T	T0CN	04						
175 1	AIRFIELD STATUS	4 4 00 139 T	0R	06100	N	X	9	9	N	T	T0CN	04						
176 1	AERIAL PORT EQUIPMENT	5 C 02 040 T	0R	04000	N	X	8	9	N	T	T0CN	04						
177 1	COMBAT CONTROL TEAM	4 C 03 000 T	0R	04500	N	X	6	9	D	T	T0CN	04						
178 1	AIRCRAFT PLANNING FACTORS	5 H 05 000 T	0R	00720	N	X	9	9	R	T	T0CN	04						
179 1	AIRCRAFT RESOURCES	5 C 03 012 T	0R	44310	N	A	7	9	D	T	T0CN	06						
180 1	AIRCRAFT ROUTING	V U 03 000 Y	0R	04200	N	A	9	9	F	T	T0CN	06						

FILE NO.	FILE NAME	REMARKS	NOTE NUMBER FOR OPERATION
181 1 RECURRING MISSIONS SCHEDULE	4 U 0A 007 T OR 0165W	U 6 9 P TNCN 04	
182 1 AIRLIFT REQUIREMENTS	V 5 0A 069 XT OR 1497A	U 6 9 P TNCN 06	
183 1 GROUND TIME	9 U 04 021 T OR 03696	U 6 9 9 B TNCN 04	
184 1 RECONFIGURATION TIME	9 U 04 000 T OR 00024	U 9 9 B TNCN 04	
185 1 MAJOR COMMAND	9 U 05 001 T OR 00159	U 9 9 B TNCN 04	
186 1 PRIORITY TABLE	9 U 02 000 XT OR 0102A	U 8 9 9 B TNCN 04	
187 1 SECURITY CLASSIFICATION	5 U 37 120 T OR 00140	U 9 9 B TNCN 04	
188 1 CARGO TYPE	9 U 04 001 T OR 0066A	U 8 9 9 B TNCN 06	
189 1 PASSENGER TYPE	9 U 04 001 T OR 00164	U 9 9 B TNCN 04	
190 1 PALETT TYPE	9 U 04 001 T OR 00245	U 9 9 B TNCN 04	
191 1 DAYLIGHT HOURS	9 U 37 000 T OR 00144	U 9 9 B TNCN 04	
192 1 COMPATIBLE AIRCRAFT	9 U 04 000 T OR 00150	U 9 9 B TNCN 04	
193 1 DAILY AIRLIFT SUMMARY	4 U 01 001 XT MX 4R60A	P 9 9 P TNCN 08	
194 1 AIRLIFT OPERATIONS REPORT-ALREP	2 6 06 01A XT MX 0332K	M 8 9 9 P TNCN 04	
195 1 AIRLIFT AIRCRAFT TYPES	9 U 02 000 T OR 00072	O 8 9 9 B TNCN 04	
196 1 AIRLIFT COUNTRY-SERVICE-OPERATOR	V 11 01 001 T OR 00342	O 8 9 9 B TNCN 04	
197 1 AIRLIFT OPERATING UNITS	9 U 02 000 T OR 00154	O 8 9 9 B TNCN 04	
198 1 AIRLIFT SORTIE FUNCTION	9 U 02 000 T OR 00384	O 8 9 9 B TNCN 04	
199 1 AIRLIFT MISSION RELAY REASONS	9 U 02 000 T OR 0039A	O 8 9 9 B TNCN 04	
200 1 AIRLIFT MISSION LOAD UTILIZATION	9 U 02 000 T OR 00476	O 8 9 9 B TNCN 04	

FILE NO.	FILE NAME	FORMAT OF FILE	LINK	LINK NO. OF INTERNAL	LINK NO. OF EXTERNAL	LINK SECURITY CLASSIFICATION	LINK SECURITY PREGUARD	FILE SIZE	PHYSICAL LOCATION	STORAGE MEDIUM	TYPE OF DATA	CLASSIFICATION OF SECUR. CL.	OPERATION	NOTE NUMBER FOR	REMARKS
220 1	AREA-FUNCTION FILE	4 S 24 014 X P MX 05694 M 4 9 4 R TOCN 05													
221 1	MISSION NUMBER FILE	1 U 19 000 N MX 06887 C 1 9 9 P TOCN 01													
222 1	SPECIAL INSTRUCTION FILE	3 S 19 000 NY DO 69440 S 1 9 4 P TOCN 05													
223 1	RASF TIN TRACK FILE-REFUELING	4 S 21 000 X P Dn 31750 S 1 9 9 P TOCN 05													
224 1	ACTION 1 LOG-SURVEILLANCE	2 5 07 000 X 18 0665K M 9 9 4 P TOCN 05													
225 1	ACTION LOG-FIGHTER OPERATIONS	3 5 07 000 X 18 0348K M 9 9 4 P TOCN 06													
226 1	ACTION LOG-WEAPONS CONTROLLED	2 5 05 000 X 18 0087K M 9 9 0 P TOCN 06													
227 1	ACTION LOG-SEARCH AND RESCUE	3 5 04 000 X 18 0348K M 9 9 9 P TOCN 06													
228 1	ACTION LOG-INTELLIGENCE	3 5 03 001 X 18 0348K M 9 9 9 P TOCN 06													
229 1	ACTIVITY LOG-REFCCF	2 5 04 001 X 18 0786K M 9 9 9 P TOCN 06													
230 1	DAILY JOURNAL-AIR OFF PLANS	3 5 12 000 X 18 0174K M 9 9 9 P TOCN 06													
231 1	DAILY JOURNAL-AIR OFF FACILITY FILE	4 U 01 003 XT FF 58860 P K 9 9 P TOCN 07													
232 1	DAILY JOURNAL-AIR OFF TEAM FILE	3 11 01 055 XT FF 0378K P K 9 9 P TOCN 07													
233 1	AIR TERMINAL TEAM FILE	3 11 01 055 XT FF 0378K P K 9 9 P TOCN 07													
234 1	CASUALTY STAGING FACILITY FILE	4 U 01 003 XT FF 58860 P K 9 9 P TOCN 07													
235 1	INFLIGHT TEAM FILE	4 U 01 011 XT MX 0112K P A 1 3 9 P TOCN 07													

11.0 RECOMMENDATIONS FOR AN ADDITIONAL STUDY

11.0 RECOMMENDATIONS FOR AN ADDITIONAL STUDY

The results of the Data Base Security Study indicate that the approximate 100 million character TACC data base is considerably larger than the AF and numerous contractors have considered for the TACC automation studies during the past three years. It is of course realized that not all of the TACC data base would be automated since some such as SOP's and documents should remain manual and therefore the total size of the automated data base size would be lower than the above value. In any event, regardless of the degree of automation, the size of the data base is believed to be orders of magnitude larger than originally anticipated. It is further realized that the study results reflect the manual system which does not have the advantage of a single data base common to the major TACC functions of planning, operations, air lift and weather. Therefore, the achievement of a common data base organized to reduce the duplication of data contained in the current data base and the duplicate handling of this data in its many formats is an important consideration for the automation of the TACC.

It is recommended that a study of the TACC data base be undertaken immediately by the AF to achieve the re-organization of the data base file structure to (a) eliminate duplication of data in the files and thus reduce the size of the data base, (b) eliminate the duplicate handling of this data in its many formats, and (c) establish a data base common to all TACC operations. Such a study would reduce the cost of the automated TACC considerably since fewer operating positions may be required to handle the data, less mass memory storage would be required and the performance in respect to throughput and response time would be significantly improved.

11.0 RECOMMENDATIONS FOR AN ADDITIONAL STUDY (Continued)

Mass memory access limitation is a major technical problem and the fewer number and size of mass memories would greatly enhance this improvement. In addition, once the common data base is achieved, the study should consider those communication messages that establish or update the data base. These should be structured to achieve standard messages which would improve the effectiveness of the communications system by reducing the 59⁴ message types to a lower number with fewer characters in those messages that remain.

It is believed that this single study represents the most significant effort that can now be accomplished rapidly based upon the data contained in the Data Base Security Study and the TTSA Study.

Security Classification

DOCUMENT CONTROL DATA - R & D

(Security classification of title, body of abstract and indexing annotation must be entered when the overall report is classified)

1. ORIGINATING ACTIVITY (Corporate author) Hughes Aircraft Company Ground Systems Group Fullerton, California 92634		2a. REPORT SECURITY CLASSIFICATION UNCLASSIFIED
		2b. GROUP N/A
3. REPORT TITLE ANALYSIS OF DATA BASE SECURITY AND ACCESS LIMITATION REQUIREMENTS FOR THE POST 1975 AUTOMATED TACC COMPLEX (ANALYSIS OF TACC SECURE DATA)		
4. DESCRIPTIVE NOTES (Type of report and inclusive dates) None		
5. AUTHOR(S) (First name, middle initial, last name) None		
6. REPORT DATE October 1971		7a. TOTAL NO. OF PAGES
8a. CONTRACT OR GRANT NO. F19628-70-C-0185		7b. NO. OF REFS
b. PROJECT NO.		9a. ORIGINATOR'S REPORT NUMBER(S) ESD-TR-71-370, Vol. III
c.		9b. OTHER REPORT NO(S) (Any other numbers that may be assigned this report)
d.		
10. DISTRIBUTION STATEMENT Approved for public release; distribution unlimited.		
11. SUPPLEMENTARY NOTES		12. SPONSORING MILITARY ACTIVITY Deputy for Planning and Technology, Hq Electronic Systems Division (AFSC), L G Hanscom Field, Bedford, Mass. 01730
13. ABSTRACT The Analysis of the Data Base Security and Access Limitation Requirements for the post-1975 Automated TACC Complex was conducted to provide the United States Air Force and other military agencies with detailed information concerning (a) current and completed studies which have addressed the security and access limitation problems and methods of implementation for automated information systems; (b) the determination and structuring of a TACC data base baseline; and (c) the identification of the users of TACC data and their access requirements to classified portions of the TACC data base. The data developed were to be used both in the development of incremental growth capabilities in the TACC and in the design of future automation of the TACS.		

Security Classification

14. KEY WORDS	LINK A		LINK B		LINK C	
	ROLE	WT	ROLE	WT	ROLE	WT