

ADAPTATION

I. FUNCTION DESCRIPTION

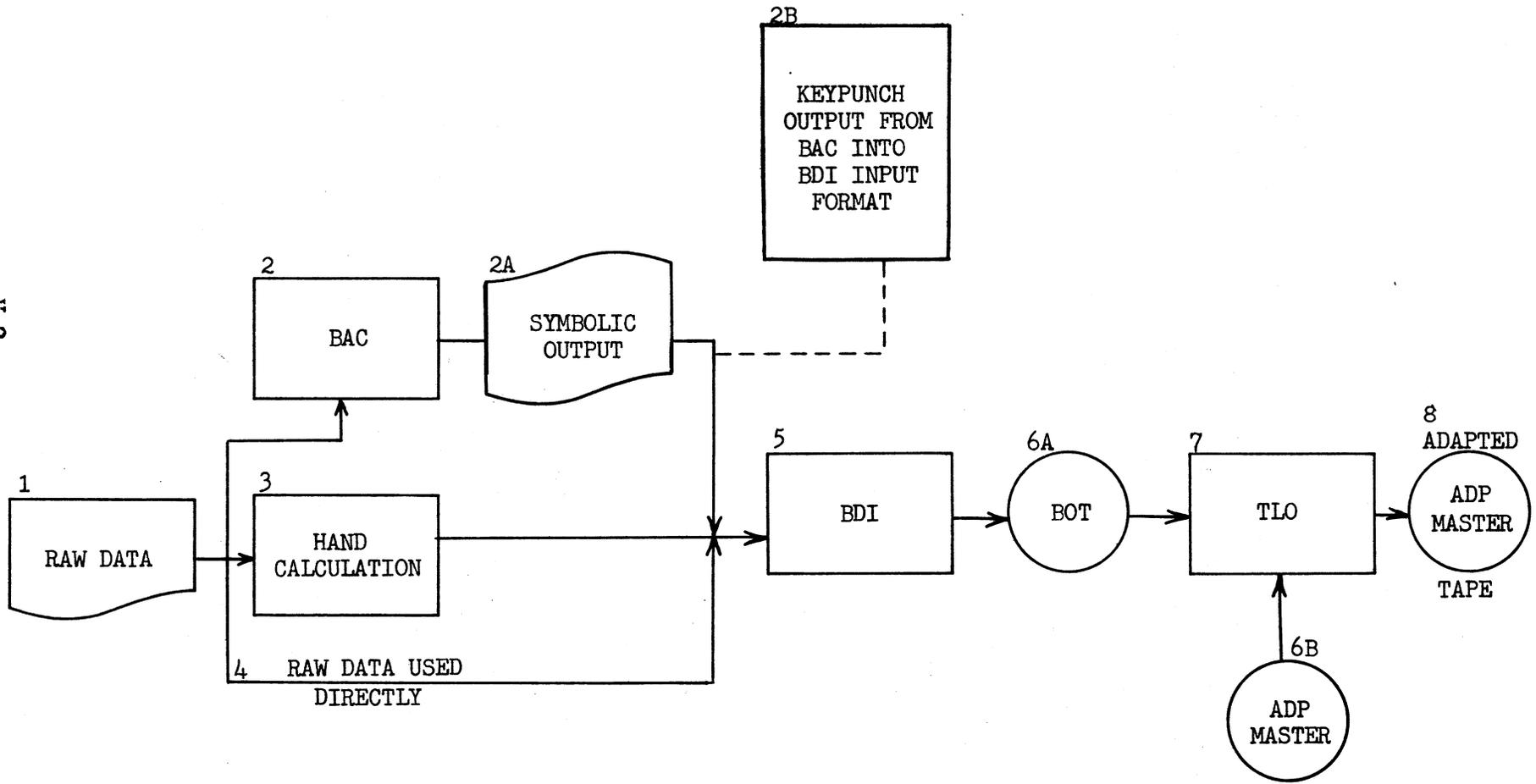
When a new version of the Air Defense Program (ADP) is received at a BUIC NCC, it must be adapted for use at that NCC. That is, the parameters which vary from NCC to NCC must be loaded with the values which are unique to that NCC. There is a vast amount of variable information, so it is categorized into the following areas:

1. BUIC NCC
2. Division
3. Region
4. Radar
5. Airbase and Squadron
6. BOMARC
7. AADCP
8. Communications
9. AEW&C Aircraft
10. Geography Displays

How to Adapt. ADP programming conventions require that all parameters which must be set uniquely for each NCC, i. e., adaptation, be defined in the system compool. Also their four-letter item tag must begin with "G" and the second letter must be that assigned to the functional area most closely associated with the data, e. g., Height Finder data begins with "GH", and Radar Data with "GZ". All of these compool defined items are listed in TM-2385/206, ADAPTATION SPECIFICATIONS in alphabetic order.

The diagram on the next page depicts the process of adapting ADP. Each block is numbered to correspond to the following sections.

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ADAPTATION PROCESS

1. Raw Data. The initial data, supplied by the Air Force, and documented in the TM-3165 series for operational NCC's or TM-2993 (Secret) for the BEF Environment, is called Raw Data. This data must be available before the adaptation process can begin.
2. BUIC Adaptation Calculation (BAC). The UCP function which will calculate the more tedious and difficult to calculate parameters from Raw Data.
 - 2A. Symbolic Output. The output from BAC is symbolic only.
 - 2B. The output from BAC must be encoded on cards in a format acceptable to BDI.
3. Hand Calculation. Any calculations with Raw Data may be performed by hand.
4. Raw Data used directly. Some Raw Data does not need to be transformed by calculations and therefore may be input directly to BDI.
5. Binary Data Insertion (BDI). A UCP function that accepts card inputs containing the symbolic representation of the adaptation parameters and converts them to the binary form needed as an input to the Master Tape Load (TLO) program.
 - 6A. Binary Output Tape. The output from BDI is on magnetic tape, and is in a format acceptable to the program TLO.
 - 6B. ADP Master Tape. The new version of ADP which is to be adapted for use at this NCC.
7. Master Tape Load (TLO). A UCP function which builds an ADP Master Tape from the various types of input data, (these include 6A & 6B above).
8. Adapted ADP Master Tape. The end product of the ADAPTATION PROCESS.

II. APPLICABLE DOCUMENTATION

The information covered in the following documents is essential to the adaptation process.

1. TM-2385/206, ADAPTATION SPECIFICATIONS. Specifies all the compool-defined items which must be adapted.
2. TM-3165/series. BUIC III ENVIRONMENTAL DATA EQUIPMENT ASSIGNMENTS. Contains the raw data to be used in coding adaptation parameters.
3. TM-2780/004, Chapter 5. BUIC ADAPTATION CALCULATION USER'S MANUAL.
4. TM-2780/004, Chapter 6. BINARY DATA INSERTION USER'S MANUAL.
5. TM-2780/003, Chapter 3. ADP TAPE LOAD USER'S MANUAL.
6. TM-2385/106, BUIC III ADP ADAPTATION.

III. PROJECT SPECIFICATION

To complete this exercise, students in teams of two are required to code the necessary symbolic inputs to BDI for each item described in the excerpt from TM-2385/206, using the data provided. The number of entries to be coded are as follows:

GYAD	All entries
GYOD	All entries
GDES	Any two Divisions (DCs and NCCs)
GDCH	Corresponding Divisions
GMAG	All entries
GZSD	Any four LRRs
GZCD	Corresponding four LRRs

GHBA	Any two HF's
GHEA	Corresponding two HF's
GMQA	Any two Squadrons
GMQB	Any two Squadrons
GMAA	Corresponding two Squadrons
GMAB	Corresponding two Squadrons
GYAC	All entries

IV. DATA

The first section describes item-by-item in alphabetical order the compool-defined items to be adapted. This information was extracted from TM-2385/206. The second section contains corresponding Environmental Data and Equipment Assignments. It is intended to represent the format of TM-3165 which will contain the official BUIC III Environmental Data Equipment Assignments. Lat/Long has been converted to U, Vs for simplification.

SECTION I

ADAPTATION PARAMETERS DESCRIPTION AND CALCULATIONS.

The following pages describe item-by-item in alphabetical order, all of the adaptation. The definitions of the headings follow:

ITEM	The four letter compool tag identifier for a particular parameter.
NAME	A brief prose identifier for a particular parameter.
TABLE	The three letter compool tag identifier for the particular table which contains the referent item.
NO. ENTRIES	The maximum number of values needed for a particular parameter.
NO. BITS	The number of binary bits allocated to the parameter by the compool.
TYPE	The item type of the referent item. B = Boolean C = Charactron D = Binary Coded Decimal H = Hollerith M = Mixed S = Signed T = Track Number U = Unsigned V = Value F = Floating
SCALING	The scaling of the referent item. Scaling for floating-point items shall represent the range and required accuracy of the item. (See CGTM2385A, Part II, Volume 1, Section 6.1.3, "Scaling Notation Conventions")
UNITS	The value of the least significant bit of the <u>integer</u> portion of the referent item.

SOURCE DATA NAME	The name of the source data for the referent item, as taken from CGTM2385A, Part I, Volume 6, "Adaptation."
SOURCE DATA DESCRIPTION REFERENCE	This entry facilitates a cross reference between the referent item and CGTM2385A, Part I, Volume 6.
SOURCE DATA REFERENCE	This entry provides a cross reference to the Source Data TM-3165. When no volume number is indicated the source data is found in the TM-3165 volume that is unique to the referent NCC.
DESCRIPTION	A prose description of the parameter.
INDEXING AND STRUCTURE	A description of all of the information required to establish an ordering, of the set of parameters for the referent item, (this is a blank when No. ENTRIES is one).
METHOD OF CALCULATION	A description of the <u>hand</u> calculation process required to convert the Raw Data into parameters. If no calculation is necessary or if UCP provides the calculations, this is indicated.
COMMENTS	Any other information which will facilitate the adaptation process.

CODING SPECIFICATIONS.

ITEM: GDCH

NAME: Facility Type Display Character

TABLE: OLD

NO. ENTRIES: 52

NO. BITS: 06

TYPE: M

SCALING: N/A

UNITS: N/A

SOURCE DATA NAME: BUIC NCC Letter Designator -ADC

SOURCE DATA DESCRIPTION
REFERENCE: CGTM2385A, Part I, Volume 6,
Section 2.1

SOURCE DATA REFERENCE: TM-3165, Volume 001, Section 2.2

DESCRIPTION:

Contains the hollerith coded display character for facility type. Relates the SAGE/BUIC Facility Designator to the facility type display character associated with it.

INDEXING AND STRUCTURE:

Indexed by SAGE/BUIC Facility Designator (1-51).

METHOD OF CALCULATION:

Raw Data used directly.

COMMENTS:

Item = 0 for the referent BUIC NCC.

ITEM:	GDES
NAME:	SAGE/BUIC Facility Designator
TABLE:	GAD
NO. ENTRIES:	56
NO. BITS:	06
TYPE:	U
SCALING:	06.00
UNITS:	N/A
SOURCE DATA NAME:	SAGE/BUIC Facility Designator - ADC
SOURCE DATA DESCRIPTION REFERENCE:	CGTM2385A, Part I, Volume 6, Section 2.1
SOURCE DATA REFERENCE:	TM-3165, Volume 001, Sections 2.2 and 2.3
DESCRIPTION:	

The unique six bit designator that identifies the SAGE or BUIC NCC, relates the SAGE/BUIC Facility Designator to the facility type of DC/NCC1/NCC2/NCC3.

INDEXING AND STRUCTURE:

Indexed by facility type switch code-1, i.e. (0-3) multiplied by 10, plus division switch code-1, i.e. (0 - 9). Structure is four parallel blocks of ten registers each. (See diagram of GAD table indexing.)

METHOD OF CALCULATION:

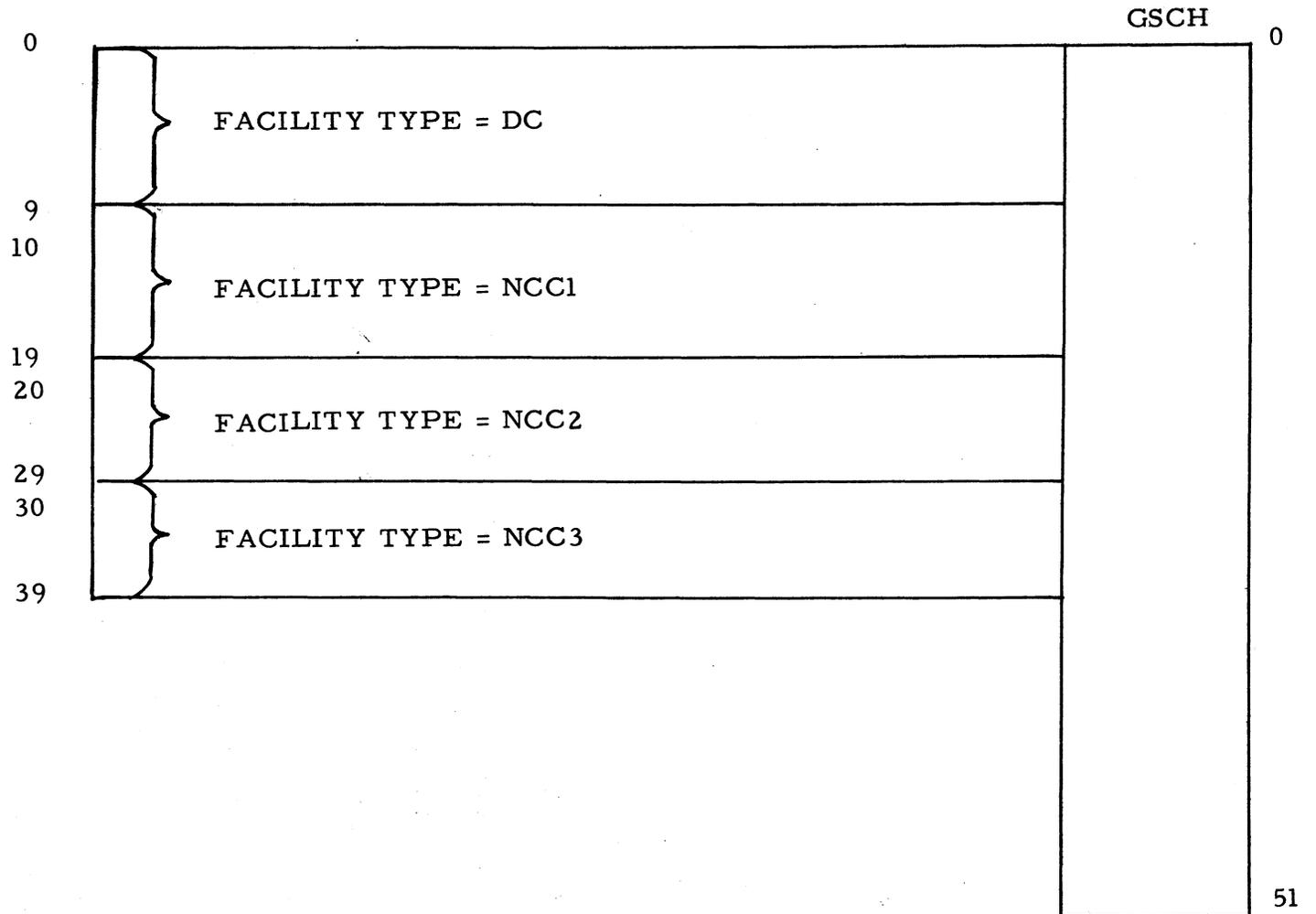
Raw Data used directly.

COMMENTS:

Item = 0 for the referent BUIC NCC.

GAD table indexing scheme for adaptation items. GLET, GDES, GLEN, GLAD, GLID

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The items GLET, GDES, GLEN, GLAD, and GLID are indexed by the facility type switch code minus one (0-3) multiplied by 10, plus the division switch code minus one (0-9).

The item GSCH is indexed by the SAGE/BUIC Facility Designator (1-51).

ITEM: GHBA
 NAME: Beginning Azimuth - HF A
 TABLE: HSA
 NO. ENTRIES: 480
 NO. BITS: 03
 TYPE: U
 SCALING: 03.00
 UNITS: 1/8 Sector
 SOURCE DATA NAME: Shadow Areas - REG
 SOURCE DATA DESCRIPTION REFERENCE: CGTM2385A, Part 1, Volume 6, Section 2.4.3
 SOURCE DATA REFERENCE: TM-3165, Volume 002, Section 5.3

DESCRIPTION:

The beginning edge azimuth, going clockwise, of a HF's shadow area.

INDEXING AND STRUCTURE:

Indexed by: $[(\text{Screening Angle Sector No. } (0-31)) + ((\text{LRR Reference No. } -1) \times (32))]$

METHOD OF CALCULATION:

Divide Beginning Azimuth (in 256's of rev.) by 8. quotient equals sector no. and remainder equals value for this item (GHBA).

COMMENTS:

North Coded as +0.

ITEM: GHEA
 NAME: Ending Azimuth - HF A
 TABLE: HSA
 NO. ENTRIES: 480
 NO. BITS: 03
 TYPE: U
 SCALING: 03.00
 UNITS: 1/8 Sector
 SOURCE DATA NAME: Shadow Areas - REG
 SOURCE DATA DESCRIPTION REFERENCE: CGTM2385A, Part I, Volume 6, Section 2, 4.3
 SOURCE DATA REFERENCE: TM-3165, Volume 002, Section 5.3

DESCRIPTION:

The Ending Edge Azimuth, going clockwise, of a HF's shadow area.

INDEXING AND STRUCTURE:

Indexed by: $\left[\text{Screening Angle Sector No. (0-31)} \right] + \left[(\text{LRR Reference No. } -1) \times (32) \right]$

METHOD OF CALCULATION:

Divide Ending Azimuth (in 256's of rev.) by 8. quotient equals sector no. and remainder equals value for this item (GHEA)

COMMENTS:

North Coded as +0.

ITEM:	GMAA
NAME:	Squadron Aircraft Type A
TABLE:	SBT
NO. ENTRIES:	45
NO. BITS:	04
TYPE:	U
SCALING:	04.00
UNITS:	N/A
SOURCE DATA NAME:	Squadron Fighter Type - ADC
SOURCE DATA DESCRIPTION REFERENCE:	CGTM2385A, Part I, Volume 6, Section 2.5.1
SOURCE DATA REFERENCE: DESCRIPTION:	TM-3165, Volume 004, Section 3.1

The military designator for the type of fighter squadron.

INDEXING AND STRUCTURE:

The table is set up with 24 bits of information pertaining to a particular named Interceptor squadron. There are 90 possible two letter squadron designators, therefore, the table is 45 registers long and divided in half (bits 1-24) and bits (25-48) allowing space for 90 squadrons. There is no order to the placement of the squadron designators in the table. It is only essential that all 24 bits of information pertain to that particular squadron designator. After the initial putting up of the squadron designators (items GMQA and GMQB) all other items are indexed by a search on GMQA and GMQB. Those items ending in A refer to the left half of the table and pertain to GMQA. Those items ending in B refer to the right half of the table and pertain to GMQB.

METHOD OF CALCULATION:

Raw Data used directly.

COMMENTS:

ITEM: GMAB
NAME: Squadron Aircraft Type B
TABLE: SBT
NO. ENTRIES: 45
NO. BITS: 04
TYPE: U
SCALING: 04.00
UNITS: N/A
SOURCE DATA NAME: Squadron Fighter Type - ADC
SOURCE DATA DESCRIPTION
REFERENCE: CGTM2385A, Part I, Volume 6,
Section 2.5.1
SOURCE DATA REFERENCE: TM-3165, Volume 004, Section 3.1

DESCRIPTION:

The military designator for the type of fighter squadron.

INDEXING AND STRUCTURE:

See Item GMAA.

METHOD OF CALCULATION:

Raw Data used directly.

COMMENTS:

ITEM: GMAG
NAME: Magnetic Deviation at Sector Center
TABLE: GDV
NO. ENTRIES: 1
NO. BITS: 12
TYPE: S
SCALING: 02.09
UNITS: Revs.
SOURCE DATA NAME: BUIC NCC Magnetic Variation - REG
SOURCE DATA DESCRIPTION
REFERENCE: CGTM2385A, Part I, Volume 6,
Section 2.1
SOURCE DATA REFERENCE: TM-3165, Section 2.2.1

DESCRIPTION:

The magnetic variation at the BUIC NCC coordinate system center.

INDEXING AND STRUCTURE:

N/A

METHOD OF CALCULATION:

Raw data used directly.

COMMENTS:

The sign is positive if the magnetic declination is easterly and negative if the magnetic declination is westerly.

Since the item is expressed in fractions of a revolution, the integer bits are not used.

ITEM: GMQA

NAME: Squadron Designator A

TABLE: SBT

NO. ENTRIES: 45

NO. BITS: 08

TYPE: T

SCALING: N/A

UNITS: N/A

SOURCE DATA NAME: Squadron Designator - ADC

SOURCE DATA DESCRIPTION REFERENCE: CGTM2385A, Part I, Volume 6, Section 2.5.1

SOURCE DATA REFERENCE: TM-3165, Section 5.2

DESCRIPTION:

The two letter designator assigned to the fighter squadron.

INDEXING AND STRUCTURE:

See Item GMAA.

METHOD OF CALCULATION:

Raw Data used directly.

COMMENTS:

ITEM: GMQB
NAME: Squadron Designator B
TABLE: SBT
NO. ENTRIES: 45
NO. BITS: 08
TYPE: T
SCALING: N/A
UNITS: N/A
SOURCE DATA NAME: Squadron Designator - ADC
SOURCE DATA DESCRIPTION
REFERENCE: CGTM2385A, Part I, Volume 6
Section 2.5.1
SOURCE DATA REFERENCE: TM-3165, Section 5.2

DESCRIPTION:

The two letter designator assigned to the fighter squadron.

INDEXING AND STRUCTURE:

See Item GMAA

METHOD OF CALCULATION:

Raw Data used directly.

COMMENTS:

ITEM: GYAC
NAME: Aircraft type

TABLE: GYH

NO. ENTRIES: 15

NO. BITS: 18

TYPE: H

SCALING: N/A

UNITS: N/A

SOURCE DATA NAME: Squadron Fighter Type - ADC
SOURCE DATA DESCRIPTION REFERENCE: CGTM2385A, Part I, Volume 6, Section 2.5.1
SOURCE DATA REFERENCE: TM-3165, Volume 004, Section 3.1

DESCRIPTION:

Contains the three character designator for fighter type.

INDEXING AND STRUCTURE:

Must be set as follows:

<u>CHANNEL</u>	<u>DESIGNATOR</u>	<u>CHANNEL</u>	<u>DESIGNATOR</u>
0	Not Used	9	F0F
1	F5D	10	Not Used
2	F9J	11	F4A
3	F1B	12	F4N
4	F1B	13	F8N
5	F2A	14	F5D
6	F2A	15	F6N
7	F6A		
8	F6A		

METHOD OF CALCULATION:

Raw Data is converted by hand to 3 characters as shown above.

COMMENTS:

ITEM: GYAD
NAME: Latitude of Division Center
TABLE: GYJ
NO. ENTRIES: 1
NO. BITS: 14
TYPE: U
SCALING: 14.0
UNITS: Minutes
SOURCE DATA NAME: Division System Center - REG
SOURCE DATA DESCRIPTION REFERENCE: CGTM2385A, Part I, Volume 6, Section 2.2
SOURCE DATA REFERENCE: TM-3165, Volume 001, Section 3.2
DESCRIPTION:
Latitude at Division Center
INDEXING AND STRUCTURE:
N/A
METHOD OF CALCULATION AND/OR SOURCE:
Raw data used directly.
COMMENTS:

ITEM: GYOD
NAME: Longitude of Division Center
TABLE: GYJ
NO. ENTRIES: 1
NO. BITS: 14
TYPE: U
SCALING: 14.00
UNITS: Minutes
SOURCE DATA NAME: Division System Center - REG
SOURCE DATA DESCRIPTION
REFERENCE: CGTM2385A, Part I, Volume 6,
Section 2.2
SOURCE DATA REFERENCE: TM-3165, Volume 001, Section 3.2
DESCRIPTION:
Longitude of Division Center.
INDEXING AND STRUCTURE:
N/A
METHOD OF CALCULATION:
Raw data used directly.
COMMENT:

ITEM: GZCD
NAME: Equipment Type Indicator

TABLE: RSS

NO. ENTRIES: 15

NO. BITS: 02

TYPE: B

SCALING: 02.00

UNITS: N/A

SOURCE DATA NAME: Radar Data Processor Equipment
Type - ADC

SOURCE DATA DESCRIPTION
REFERENCE: CGTM2385A, Part I, Volume 6,
Section 2.4.1

SOURCE DATA REFERENCE: TM-3165, Volume 002, Section 4.1

DESCRIPTION:

The type of radar Data Processing Equipment used at the site.

INDEXING AND STRUCTURE:

This item is indexed by the value of LRR reference number minus one.

METHOD OF CALCULATION:

Arbitrarily Assigned.

The least significant bit refers to CD Equipment used:

- 0 = Not CD Equipped
- 1 = LRR Site Equipped with CD

The most significant bit refers to mode 3 capability:

- 0 = Site does not have expanded mode 3 capability.
- 1 = Site has expanded mode 3 capability.

COMMENTS:

ITEM: GZSD

NAME: LRR Site Designator

TABLE: RSS

NO. ENTRIES: 15

NO. BITS: 06

TYPE: H

SCALING: N/A

UNITS: N/A

SOURCE DATA NAME: LRR Letter Designator - REG

SOURCE DATA DESCRIPTION
REFERENCE: CGTM2385A, Volume 6, Section 2.4.1
SOURCE DATA REFERENCE: TM-3165, Section 3.1.1

DESCRIPTION:

The one letter designator used to identify the LRR in displays.

INDEXING AND STRUCTURE:

Indexed by the LRR Reference minus one.

METHOD OF CALCULATION:

Raw data used directly.

COMMENT:

SECTION II

ENVIRONMENTAL DATA AND EQUIPMENT ASSIGNMENTS.

1.0 Division Positional Data.

1.1 Referent SAGE Division Data.

<u>DESIG</u>	<u>S/B DSG</u>	<u>PARENT DC NAME AND S/B DSG</u>	<u>DIVISION NAME</u>	<u>1 LTR DSG</u>	<u>FAC REF NO</u>
NAP	2	<u>MYTH</u> 3	<u>MYTH</u>	A	10

DIVISION CENTER

LATITUDE
43° 51' 00"

LONGITUDE
69° 55' 00"

1.2 Adjacent Division Data.

	<u>DIV. NAME</u>	<u>ADJ DIV. 1 LTR DSG</u>	<u>ADJ DIV. SW. CODE</u>	<u>FAC REF NO</u>	<u>S/B FAC DSG</u>
1)	NOVA	N	O	1	26
2)	MAINE	P	1	2	5
3)	CANADA	M	2	3	27
4)	MICH	U	3	4	9
5)	OHIO	G	4	5	6
6)	YORK	J	6	7	1
7)	ATLANTIS	E	7	8	17
8)	MYTH	A	9	10	3

	<u>TIED ADJ</u>	<u>S/B DSG OF NCC1</u>	<u>S/B DSG OF NCC2</u>	<u>S/B DSG OF NCC3</u>
1)	YES	40	21	12
2)	YES	19	36	-
3)	YES	48	-	-
4)	YES	34	50	-
5)	YES	15	32	-
6)	YES	11	30	47
7)	YES	22	46	-
8)	*	2	38	51

	<u>U</u>	<u>V</u>
1)	+436.1810	+146.8575
2)	+104.728	+232.6314
3)	-294.2748	+238.25
4)	-455.4159	+ 53.2100
5)	-597.849	-105.9971
6)	- 94.9516	-419.6769
7)	+260.864	-402.7349

1.3 Magnetic Variation Data.

<u>Base Point Coordinate</u>		<u>MAG Variation</u>	<u>Reference</u>	<u>Rate of Change</u>
<u>U</u>	<u>V</u>	<u>at Base Point</u>	<u>Line Angle</u>	<u>of Variation</u>
-330	-185	8.5 Deg. East	30°	.0198 Deg/ Nm.

1.3.1 Magnetic Variation at Division Center - 18 Deg. East.

2.0 Radar Data.

2.1 Internal LRRs.

<u>Ref No.</u>	<u>Switch Code</u>	<u>No. of Tied HF's</u>	<u>LRR Site DSG</u>	<u>LRR LTR DEG</u>	<u>LRR Type</u>
1	0	2	Z1	X	AN/FYQ-40 (CD)
2	1	0	Z2AL	P	AN/AYQ-1
3	2	2	Z3	B	AN/FYQ-40 (CD)
4	3	1	Z4	T	AN/FYQ-40 (CD)
5	4	1	Z5	A	AN/FYQ-40 (CD)
6	5	2	Z6	D	AN/FST-2
7	6	0	Z7AL	M	AN/AYQ-1
8	7	2	Z8	F	AN/FST-2
9	8	1	Z9	R	Mod AN/FST-2
10	9	1	Z10	K	Mod AN/FST-2
11	10	2	Z11	E	AN/FYQ-40 (CD)
12	11	2	Z12	L	AN/FYQ-40 (CD)
13	12	1	Z13	Q	AN/FST-2
14	13	1	Z14	S	AN/FST-2
15	14	2	Z15	G	AN/FST-2

<u>REF</u> <u>NO</u>	<u>U</u>	<u>V</u>	<u>BETA</u> <u>(DEG)</u>
1	- 6.0684	-108.8641	-0.092
2	+116.8373	-154.0365	+1.74
3.	-165.6388	- 46.5105	-2.58
4.	-134.4638	+ 58.4210	-2.19
5.	+193.9538	- 18.7148	+3.06
6.	+ 32.7921	- 35.5624	+0.51
7.	- 27.2058	-276.6115	-0.39
8.	+ 34.8993	+ 74.5253	+0.57
9.	+ 85.4697.	+188.2494	+1.48
10.	-186.8818	-202.8084	-2.72
11.	-259.4827	+ 13.9273	-4.15
12.	+193.5811	+189.1095	+3.30
13.	+ 57.7054	+ 19.5299	-0.92
14.	-287.8264	-138.5700	-4.30
15.	- 88.7938	-166.0451	-1.32

2.2 Height Finders.

<u>LRR REF</u> <u>NO.</u>	<u>LRR SITE</u> <u>DSG</u>	<u>SHADOW ANGLES(DEG)</u>		<u>SET</u> <u>TYPE</u>	<u>ELEV.</u> <u>FT.</u>	<u>SITE ID</u> <u>(BINARY)</u>
		<u>AREA ONE</u>	<u>AREA TWO</u>			
1	Z1				210	0000
		010-015	041-060	B		
		194-221		A		
3	Z3				694	0010
		010-030		B		
		188-212	248-280	A		
4	Z4				1355	0011
		112-125		B		
				-		

LRR REF NO.	LRR SITE DSG	SHADOW ANGLES(DEG)		SET TYPE	ELEV. FT.	SITE ID (BINARY)
		AREA ONE	AREA TWO			
5	Z5			-	96	0100
		193-215		A		
6	Z6	290-320		B	1114	0101
		173-179	188-200	A		
8	Z8	355-018		B	1010	0111
		194-220	229-241	A		
9	Z9			-	888	1000
		003-030	089-111	A		
10	Z10			-	310	1001
		131-161	173-198	A		
11	Z11	312-328	095-109	B	1085	1010
		252-270		A		
12	Z12	321-350		B	240	1011
		142-180		A		
13	Z13			-	1091	1100
		003-029	097-121	B		
14	Z14			-	2503	1101
		280-299	300-325	B		
				-		
15	Z15			-	230	1110
		180-210	295-319	B		
		128-158		A		

3.0 Manned Interceptor Squadron Data.

<u>Squadron Letters</u>	<u>Aircraft Type</u>	<u>Type Channel</u>
AG, AH, AK, AL, AN, AP, EG	F105D TANKS	1
EH, EK, EL, EN, EP, GG, GH	F89J CLEAN	2
GK, GL, GN, GP, HG, HH, HK	F101B CLEAN	3
HL, HN, HP, JG, JH, JK, JL	F101B TANKS	4
JN, JP, KG, KH, KK, KL, KN	F102A CLEAN	5
KP, LG, LH, LK, LL, LN, LP	F102A TANKS	6
MG, MH, MK, ML, MN, MP, NG	F106A CLEAN	7
NH, NK, NL, NN, NP, PG, PH	F106A TANKS	8
PK, PL, PN, PP, TG, TH, TK	F100 TANKS	9
TL, TN, TP, UG, UH, UK, UL	F104A	11
UN, UP, VG, VH, VK, VL	F4B CLEAN	12
VN, VP, XG, XH, XK	F8D CLEAN	13
XL, XN, XP, YG, YH	F105D CLEAN	14
YK, YL, YN, YP	F6A CLEAN	15

V. PROCEDURE

(Steps 1-3 to be assigned to particular members of the class).

1. Load the CUE and USS files from the UCP Master tape into memory module 7 and onto drum 1.
2. Prestore (JOVIAL format) all symbolic decks on TD# 6, each deck on a separate file.
NOTE- The FINI card which terminates each deck will cause an EOF to be written on the Prestore tape and terminate the Prestore operation; therefore, it must be recalled for each deck.
3. Log the Prestore tape, DLO on TD# 3.
4. Read the ADP Compool (A00) from the UCP Master (TD# 1) onto drums.
5. Position the prestore to student adaptation deck, assemble it on TD#2 and request all outputs DLO on TD# 3.
6. Each team will place a JUNK record on TD# 3 and print their DLO on the printer.
7. Unload the tapes and turn the computer over to the next team.

