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FINAL
CONTRACT END ITEM DETAIL SPECIFICATION
PART I (COMPUTER PROGRAM)
PERFORMANCE/DESIGN REQUIREMENTS
AND
DETAILED TECHNICAL DESCRIPTION

VOLUME II

TSDST USERS REFERENCE FOR TACC CURRENT OPERATIONS

CONTRACT F19628-71-C-0020

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TECHNICAL MEMORANDUM

(TM Series)

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FINAL	
CONTRACT END ITEM DETAIL SPECIFICATION	SYSTEM
PART I (COMPUTER PROGRAM)	DEVELOPMENT
PERFORMANCE/DESIGN REQUIREMENTS	CORPORATION
AND	40 HARTWELL AVE.
DETAILED TECHNICAL DESCRIPTION	LEXINGTON
VOLUME II	MASSACHUSETTS
TSDT USER'S REFERENCE	02173
FOR	
TACC CURRENT OPERATIONS	

~~This document has not been cleared for open publication.~~



ABSTRACT

This Technical Memorandum presents the Contract End Item Detail Specification - Part I (Computer Program) called for under CDRL Item A006 of Contract #F19628-71-C-0020.

The performance/design requirements for the Functional Software developed in support of the Tactical Data System Development Testbed (TSDST) are specified. The specification identifies the functional processing required to provide automated assistance to the Current Operations activities within the Tactical Air Control Center (TACC).

Volume I defines the full set of software functional specifications. This volume (Volume II) reorganizes the operator interface data into an operator oriented user's guide to the defined software system.

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5.0 OPERATOR ACTIONS AND SYSTEM RESPONSES

This section of the specification describes, from the perspective of the system operator/user, the system structure and functional capabilities of the TDSDT TACC software specified in Section 3.0 - REQUIREMENTS. The software covered by this description is the TACC Current Operations functional software utilized in the CUROPS mode of TDSDT operation.

Separate subsections present an operator's introduction to the structure and operating philosophy of the CUROPS software and descriptions of the actions and system responses available to the CUROPS operator.

1 December 1971

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TM-LX-346/600/01

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5.1 OPERATOR INTRODUCTION

The following paragraphs present a brief description of the functional capabilities of the CUROPS software system, a discussion of the user interface provided by the CUROPS software, and several representative examples of how the operator might utilize the CUROPS software in executing typical TACC Current Operations data processing activities.

5.1.1 Capabilities of the CUROPS Mode

5.1.1.1 Background

The CUROPS Functional Software for the TDSDT is designed to be responsive to the TACC Current Operations requirements. The TACC is the focal point of the Tactical Air Control System (TACS) and serves to direct the employment of the tactical air forces in response to a constantly changing tactical situation. The TACC is connected by communications with operations centers of higher and lateral headquarters, subordinate units and subordinate agencies of the TACS. The basic principle of this structure is centralized control of tactical air operations by the TACC.

TACC centralized control of air operations is made possible through the presentation and evaluation of the operational factors of tactical operations data and reports. The data reflects the status of forces, operations in progress and actions of the enemy. This data is received in the form of reports, messages and requests from the various elements within the TACS. They are used by TACC personnel in performing the mission planning, coordinating, directing and monitoring responsibilities.

The data received from elements within the TACS reflects a dynamic tactical situation. It must be received, processed, and presented such that in a timely manner it supports the execution of the TACC operational responsibilities.

Within the TDSDT these responsibilities are supported by three basic elements of the processing system:

Equipment
Data Management System/Control Software
Functional Software

Equipment

The hardware system is composed of a central data processor, intermediate data processors, user input/output devices (user stations), and associated communications between all equipment. Each of the hardware components is discussed below.

CENTRAL DATA PROCESSOR

The following is a list of the hardware components of the Central Data Processor:

- (1) IBM-1800 Computer
- (1) IBM-1442-2 Card Reader/Card Punch
- (1) IBM-1443-2 Line Printer
- (1) IBM-2841-1 Disk Control Unit
- (1) IBM-2311-1 Disk Drive with Removable Disk Packs

INTERMEDIATE LEVEL PROCESSORS

The following is a list of the hardware components of the Intermediate Level Processors:

- (3) Digital Equipment Corporation PDP-8 Computers
- (1) ASR Teletype
- (3) High Speed Paper Tape Readers
- (3) Royal McBee Model 500 Paper Tape Punches
- (1) Disk Storage Drive
- (1) Drum Storage Drive

USER STATIONS

The following is a list of the hardware associated with the User Stations:

- (6) Sanders 720 Display Units
- (6) Motorola 4300 Printers
- (6) Kennedy Model 1400R Digital Tape Recorders
- (1) RCA-752 Display Unit
- (1) TP-4000 Motorola Teleprinter
- (3) Uniquely designed communications adapters

HARDWARE INTERFACES

The Central Data Processor hardware interfaces with the Intermediate Level Processor hardware by means of a high speed communications line. The hardware interface between the Central Data Processor and the User Stations is only through the communications facilities of the Intermediate Level Processors.

The hardware of the Intermediate Level Processors interfaces with both the Central Data Processor and the User Stations via communications lines. Similarly, the Intermediate Level Processors interface with one another via communications lines.

The User Stations interface with each other through the Intermediate Level Processors.

Data Management System/Control Software

The TDSDT system provides data management and control capabilities. This software consists of a set of general purpose, non-functional capabilities which provide job specific data processing support to on-line system users, directly or indirectly through functional software.

In addition to providing system control and sequencing, this non-functional software provides for the generation of data base files and capabilities for all types of interaction with and operations on those files, whether that interaction be requested directly by an on-line user or by functional software. It provides

the interface between functional software and the operating system and between the functional software and on-line users (via the multi-station controllers).

5.1.1.2 Functional Capabilities and System Flow

The CUROPS Functional Software provides support to the TACC operations in coordinating, directing and monitoring the tactical air effort. It is organized into the following processing functions:

1. Input Message Processing
2. Mission Adjustment
3. Message Preparation
4. Condition/Event Monitoring
5. Display Control and Generation
6. Simulation

The pages that follow present a brief summary of the processing capabilities of each functional package and illustrates the information and processing flow within each area. Figure 25 describes the interrelationships between the functional areas.

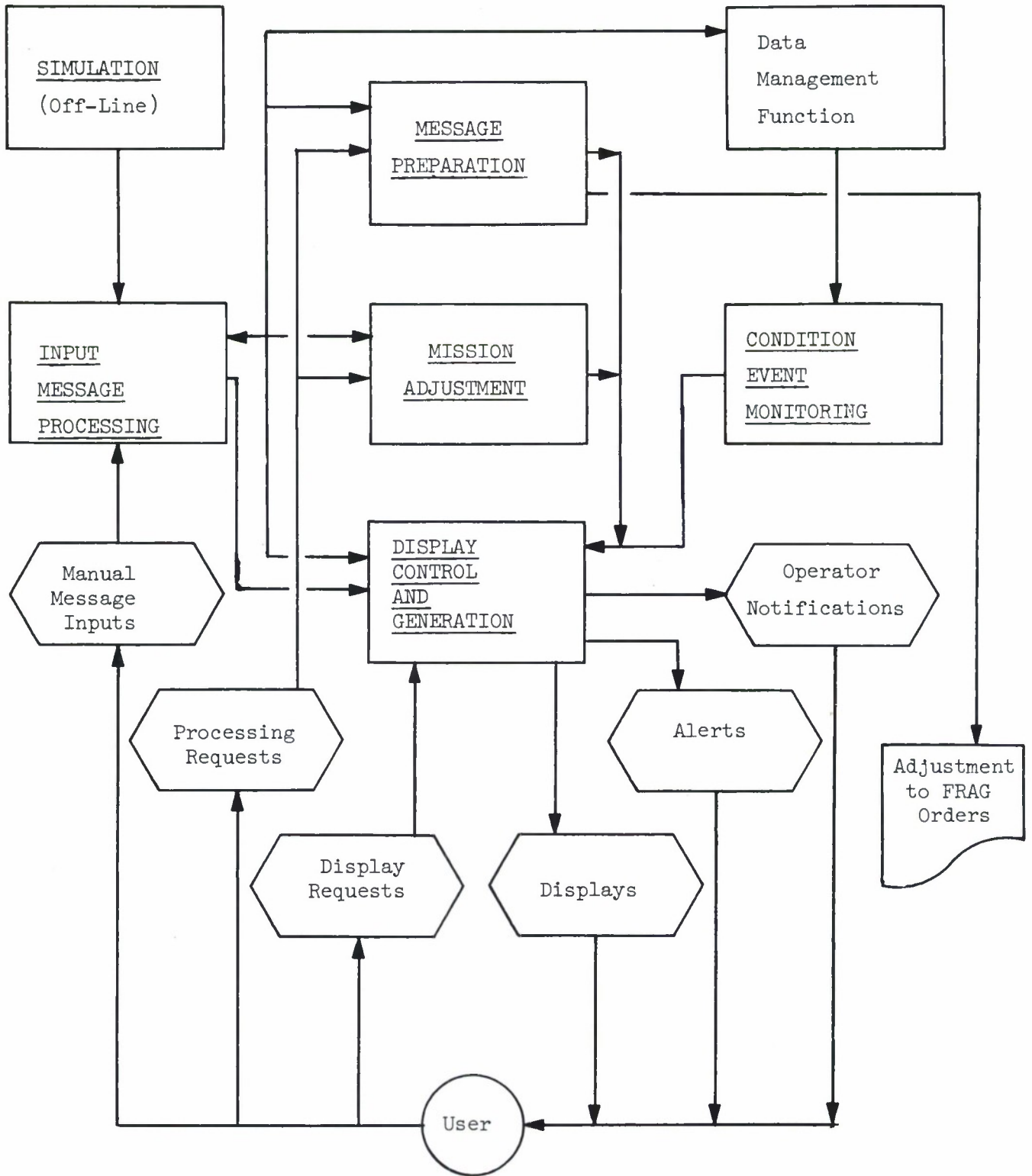


Figure 25

General System Flow

Input Message Processing

Provides complete processing of all input messages received from elements within the TACS. It:

- a) Processes messages input from the user stations.
- b) Selects and processes on the basis of time messages prestored in a simulation file, thus simulating the receipt of messages from external TACS elements.
- c) Validates selected items in manually input messages.
- d) Monitors messages to detect the reporting of an event or condition requiring operator notification.
- e) Distributes input data within the system files.
- f) Interfaces with Display Control and Generation to communicate with operations personnel relative to system inputs.

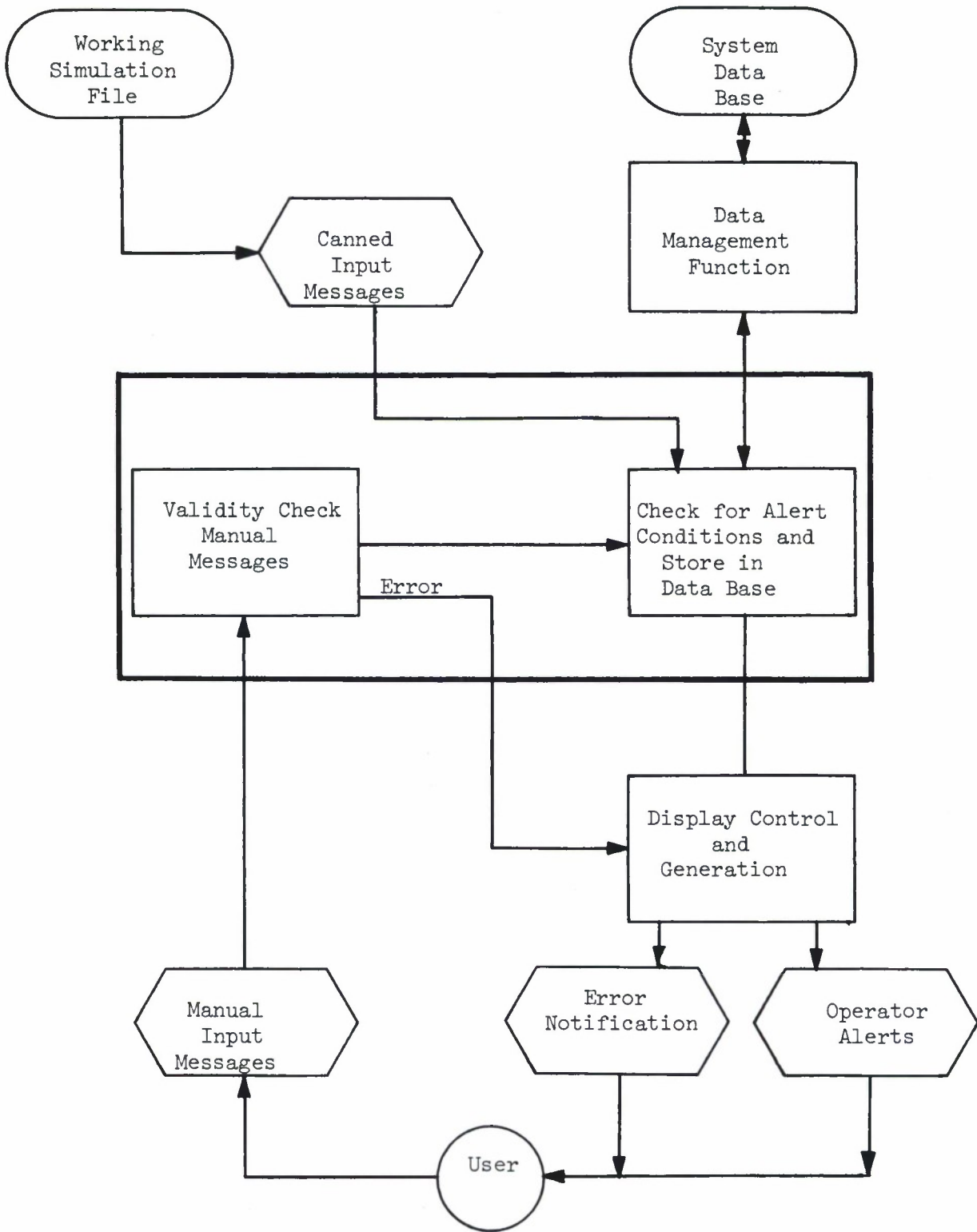


Figure 26
Input Message Processing Flow

Mission Adjustment

Provides direct support to operations personnel in the adjustment of mission conduct and assignment. It supports:

- a) The adjustment of a planned mission to satisfy an immediate requirement.
- b) The scheduling of a new mission to satisfy a requirement.
- c) The addition of a RECCE requirement to a preplanned reconnaissance mission.
- d) The deletion of missions.
- e) The use of existing tanker resources in planning a new mission or adjusting an existing one.
- f) The identification of new or modified missions for output by Message Preparation.
- g) The presentation of candidate missions which can be adjusted to satisfy immediate requirements.
- h) The presentation of candidate requirements which can be satisfied by an available resource.
- i) The assignment of a SAR mission to a SAR requirement.

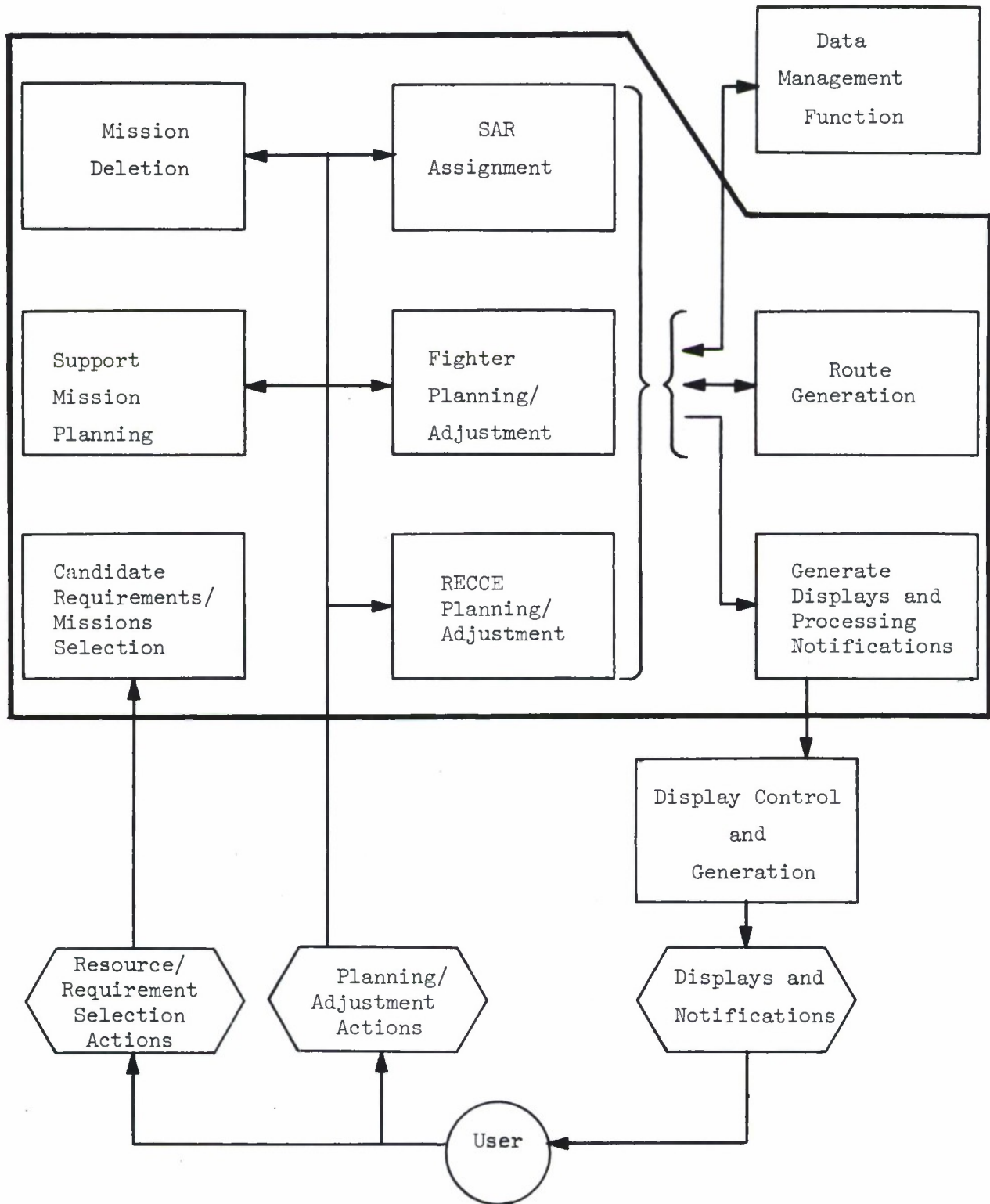


Figure 27

Mission Adjustment Flow

Message Preparation

Prepares and outputs FRAG Order data on missions which have been adjusted or newly planned and have been so identified by the Mission Adjustment Function.

It:

- a) Formats and edits FRAG order data from the system files.
- b) Generates header information including copy distribution based on operational criteria.
- c) Causes complete messages to be output on the TDSDT system printer.

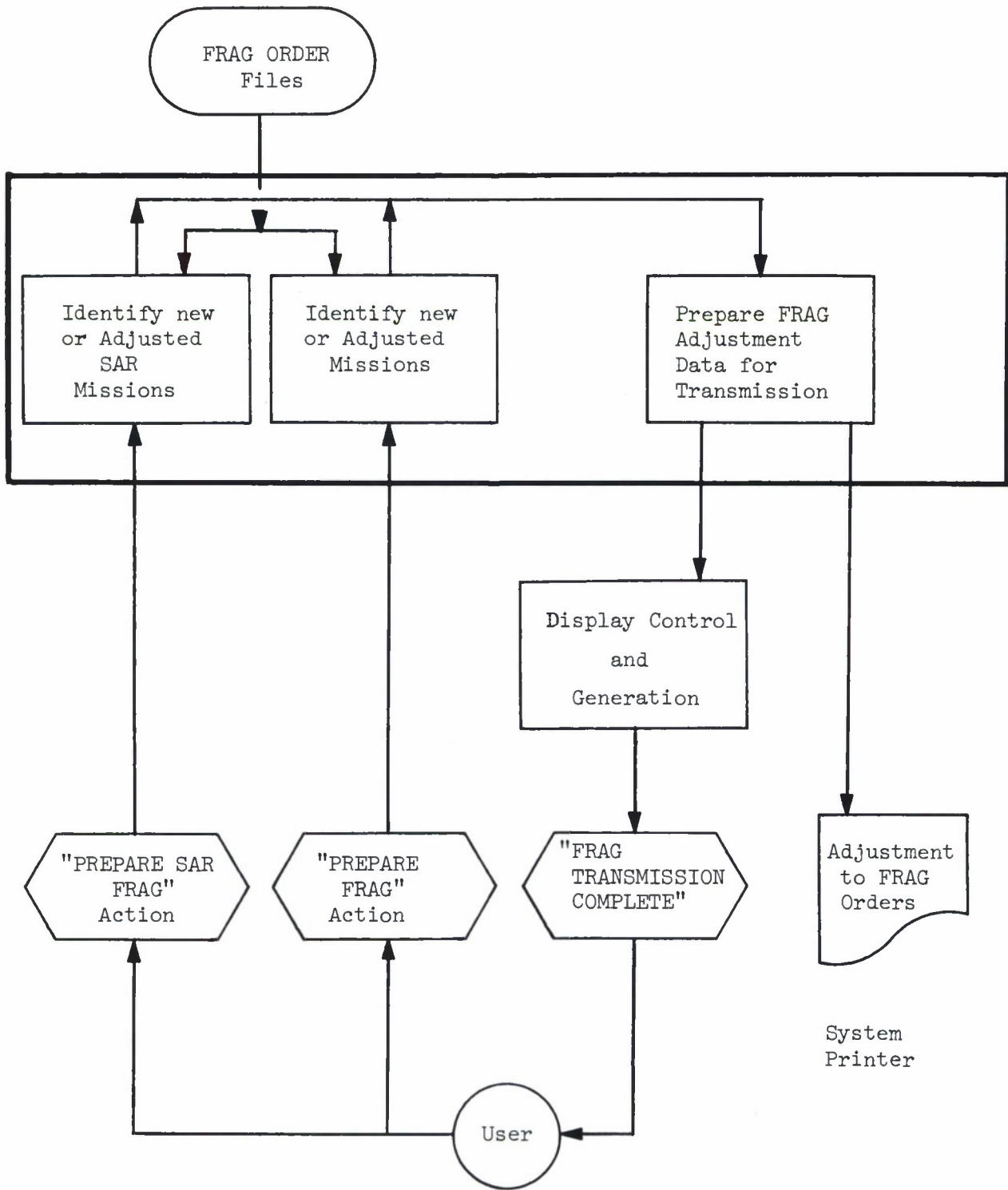


Figure 28

Message Preparation Flow

Condition/Event Monitoring

Monitors for the timely receipt of mission progress and element status reports. It:

- a) Checks the "as-of" time in the system files for those status entries which are scheduled to be reported at fixed times during the day.
- b) Based on mission status, checks for the presence in the schedule files of "actual" event times.
- c) Interfaces with Display Control and Generation to provide operator notification if a status report or mission event report has not been received within a prespecified time after the scheduled time.

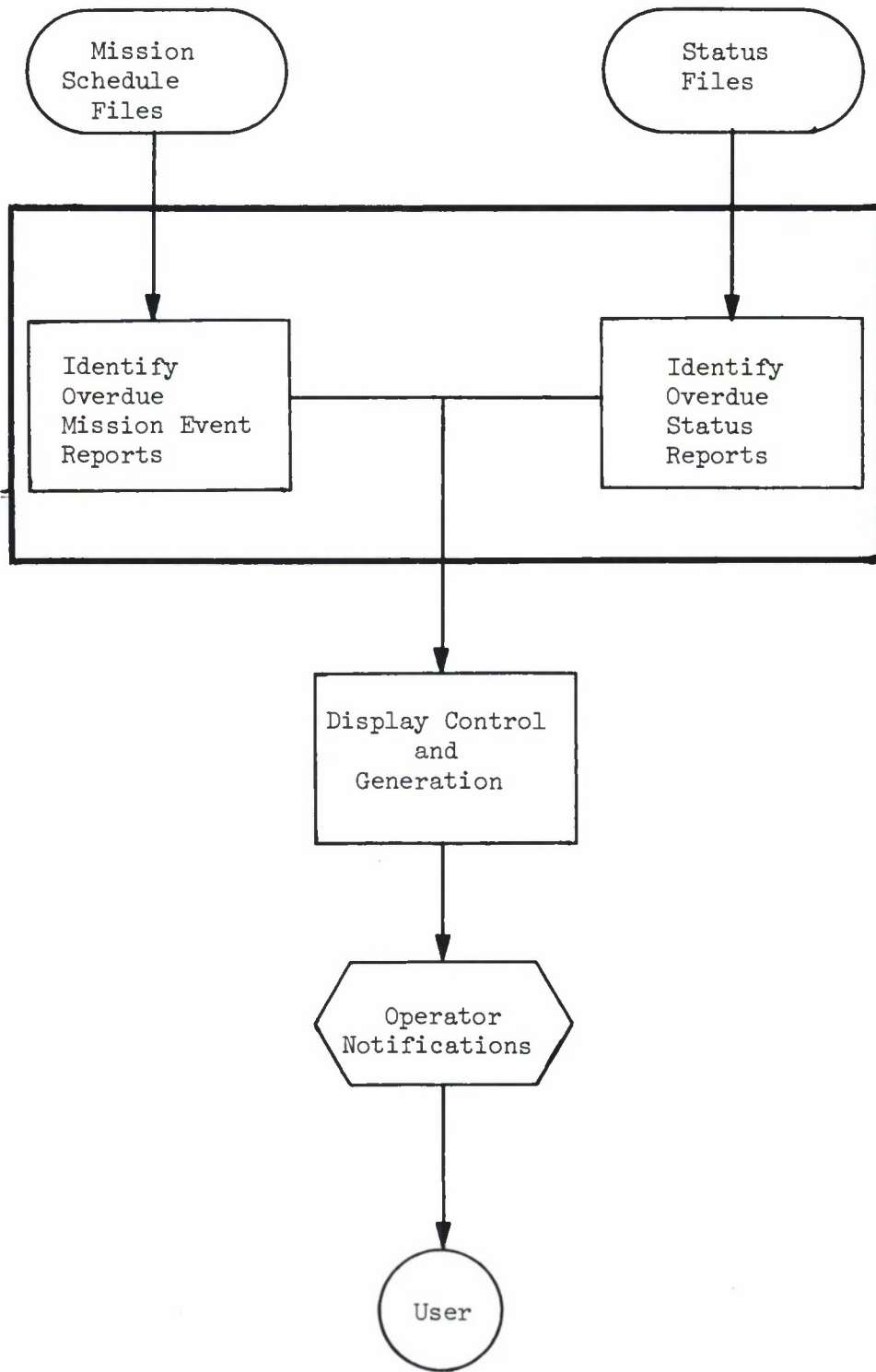


Figure 29

Condition/Event Monitoring Flow

Display Control and Generation

Provides the presentation of operational data at the User Stations. It:

- a) Processes manual display requests from the User Stations.
- b) Processes display requests generated by the functional software.
- c) Prepares all operational displays for transmission to the appropriate User Stations.

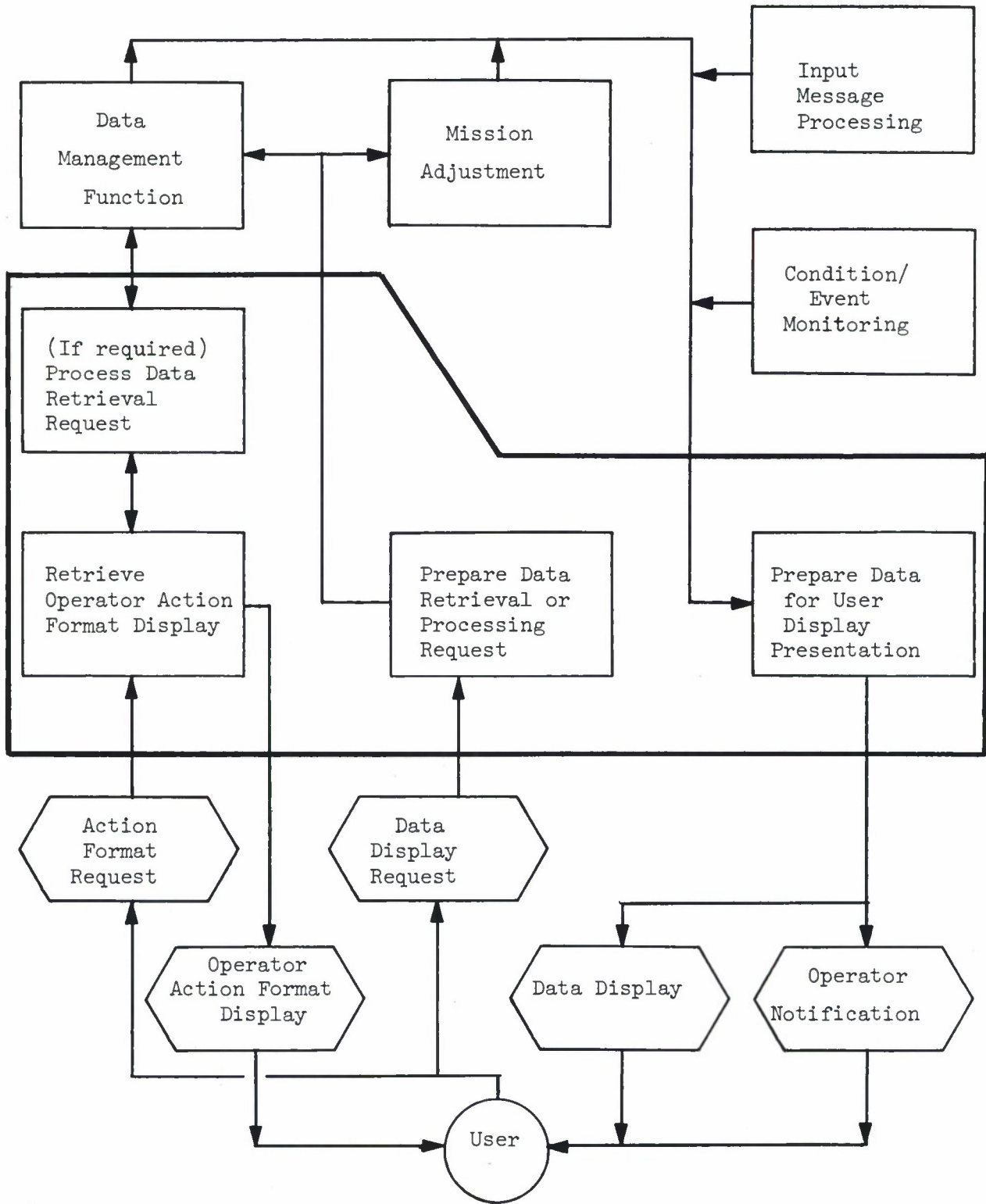


Figure 30

Display Control and Generation Flow

Simulation

Provides a working simulation file of input messages to be processed by Input Message Processing. To construct this file, it:

- a) Accepts and sorts card inputs which define active functional positions and times of activity.
- b) Based on these cards, abstracts messages from a master simulation file.
- c) Removes the functional position data from the master simulation file messages which have been selected.
- d) Enters the selected messages in the working simulation file.

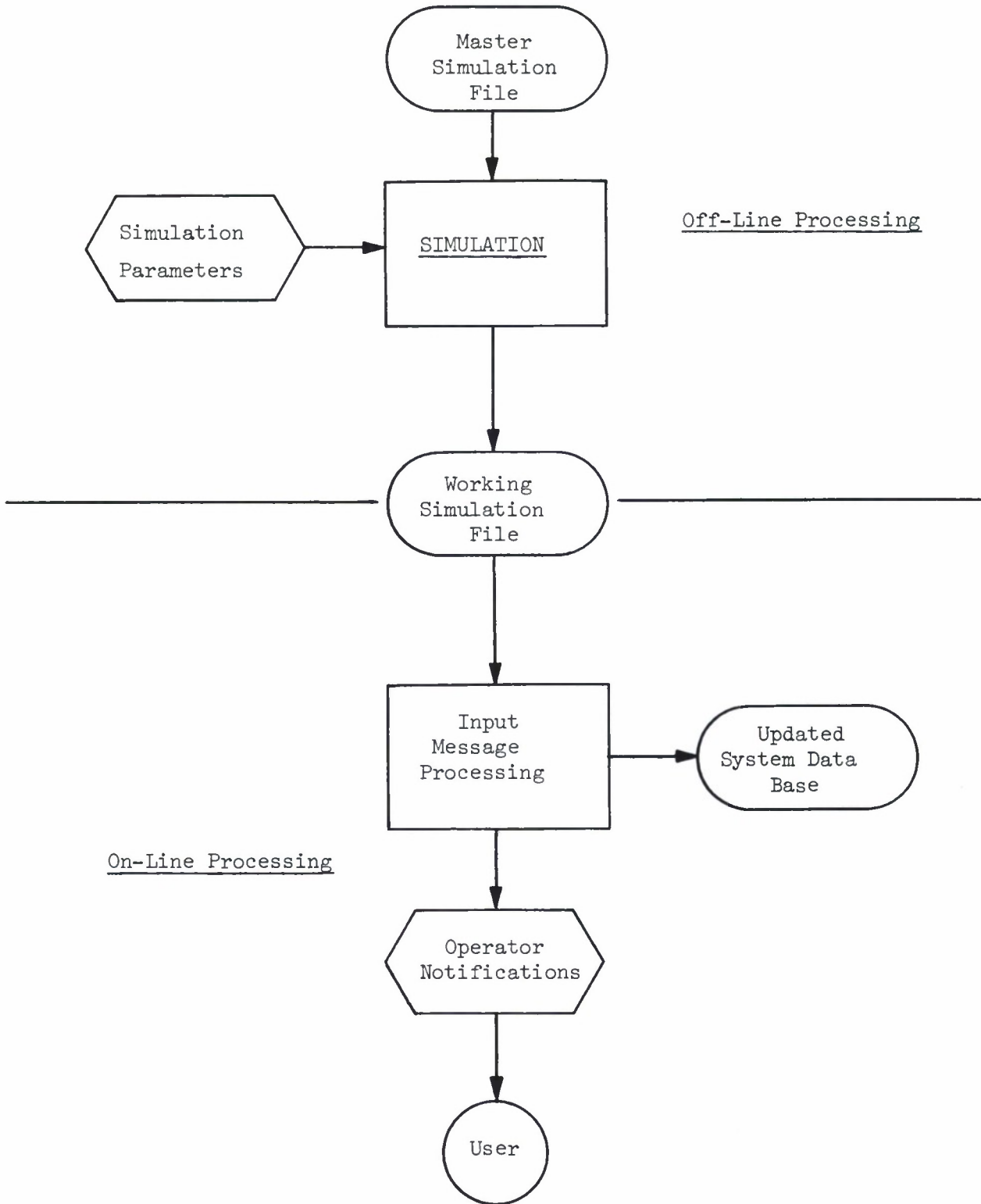


Figure 31
Simulation Flow

5.1.1.3 TDSDT Positional Organization

The operational responsibilities for mission planning and mission monitoring have been divided into the following mission functions and subfunctions:

<u>FUNCTION</u>	<u>SUB-FUNCTION</u>
Fighter Operations	Interdiction/Offensive Counter-Air Immediate CAS Preplanned CAS Air Defense
RECCE Operations	Immediate RECCE Preplanned RECCE Electronic Warfare
Tanker Operations	Aerial Refueling
Search & Rescue Operations	Search and Rescue

Within the TDSDT any subfunction can be assigned to any one or combination of positions (User Station). The only restriction is that no more than four subfunctions may be assigned to any given position.

Communications of any type, particularly those regarding operational messages received at the TDSDT, are routed to User Stations based on the assignment of mission functions and subfunctions.

5.1.1.4 External TACS Interfaces

Since a data link does not currently exist with other facilities such as would exist within a TACS network, this system simulates the interface with external agencies.

Messages from external agencies can be scripted in basically the same form as they would be received via data link and prestored in the computer system. The Input Processing Function on a real-time basis inputs prestored messages at the scripted reporting times. The messages can then be processed in the same manner as if they had been received via data link.

5.1.1.5 System Capacities

The system requirements for the TDSDT functional software are based on the design requirements contained in MTR-974 and the data requirements necessary to support a Medium Tactical Force Situation as described in TACM 55-45. The system requirements were developed by equating the system design to the sizing data which relate to TACC operations as described in the tactical configuration. The system design is described in the Operational Requirements Section of this document (see Section 3.1.2). The Medium Tactical Force Situation, as modified for use in this system, is described below.

For this system the following numbers and types of tactical elements were considered:

- Joint Force Headquarters
- Air Force Component Command Post (AFCCP)
- 2 Tactical Fighter Wings (8 Squadrons)
- 1 Composite Reconnaissance Squadron
- 1 Mobile Communications Group (Element)
- 1 Tactical Air Control Center (TACC)
- 1 Control and Reporting Center (CRC)
- 1 Control and Reporting Post (CRP)
- 3 Forward Air Control Posts (FACPs)
- 3 Air Support Radar Teams (ASRTs)
- 1 Direct Air Support Center (DASC)
- Tactical Air Control Parties (TACPs) as required

In addition to the above tactical elements, the following support elements are also considered:

- 1 Tanker Squadron
- 1 Search and Rescue Squadron

The system requirements are described in the following sections. These requirements or system limits were specified to establish the size of the data base files. It should be noted that the capabilities of the individual processing functions as presently designed are only limited by the size of these files.

5.1.1.5.1 Input Messages

The system accepts and processes the following types of input messages. The number of sources and events indicated were used to establish system processing and storage requirements. Number of events are estimates for a 24-hour time period.

<u>MESSAGE TYPE</u>	<u>NUMBER OF SOURCES</u>	<u>EVENTS</u>
Abort	11	10
Air Defense Fighter Status	8	10
Air Defense Scramble		16
Air Delay		10
Aircraft in Distress		10
Airfield and Flight Facility Status	8	16
Air Surveillance Data	1*	*
Cancellation Request		6
Downed Pilot Report		6
Ground Delay		10
Immediate CAS Scramble	1	10
Immediate RECCE Scramble	1	6
Inflight Report		78
Joint Tactical Air Request		30
Joint Tactical Air Reconnaissance/ Surveillance Request	50	50
Joint Tactical Air Reconnaissance/ Surveillance Inflight Report		45
Landing	11	102
On-Station		12
Position Report Aircraft in Distress		**
Refueling Report	1	100
SAR Mission Position Report	1	***
SAR Mission Progress Report	1	30
TACS Facility Status	1	9
Tactical Action Data		32
Tactical Unit Status	11	66
Takeoff	11	102

* Up to 10 tracks may be reported upon at any given time, with updates on 2-4 minute intervals.

**Reports issued at 5 minute intervals.

***Reports issued at 15 minute intervals.

The above data are representative of the operational scenarios that can be accommodated in the CUROPS mode.

5.1.1.5.2 Mission Data

The system provides the capability for planning and monitoring the following types and numbers of missions:

<u>MISSION TYPE</u>	<u>MAXIMUM NO.OF MISSIONS</u>
Preplanned Fighter	40
(1) Interdiction	
(2) Counter Air	
(3) Preplanned CAS	
(4) Combat Air Patrol	
(5) Escort	
Immediate CAS	30
Preplanned RECCE	12
Immediate RECCE	12
EW	6
Air Defense	30
Search and Rescue	12
Air Refueling	12

The capability exists to assign 70-80% of the fighter force against any one mission type.

5.1.1.5.3 Mission Diversion Data

Up to 50% of the fighter missions and reconnaissance missions may be diverted.

5.1.1.5.4 Squadron Data

The system accommodates the following squadron data:

<u>SQUADRON TYPE</u>	<u>NO.OF SQUADRONS</u>	<u>NO.of A/C TYPES PER SQUADRON</u>	<u>MAX.NO.OF MISSIONS PER SQUADRON</u>
Fighter	8	1	10
Composite RECCE:	1	2	24 (total)
RECCE		1	24
EW		1	6
Search & Rescue	1	2	12
Aerial Refueling	1	1	12

5.1.1.5.5 Aircraft Characteristics Data

The system provides performance characteristics for the following aircraft types:

For Fighter Missions: F4E and F105D

For RECCE Missions: RF4E

For EW Missions: EB66D

5.1.1.5.6 Mission Requirements Data

The system accommodates the following mission requirements data:

<u>REQUIREMENT/REQUEST TYPE</u>	<u>NO. OF REQUIREMENTS/REQUESTS</u>
Targets	75
Preplanned CAS	30
Preplanned RECCE	50
Search and Rescue	12

5.1.2 User Interface

This section defines the philosophy and basic characteristics of the user/system interface for the CUROPS mode of TDSDT operations.

5.1.2.1 User/System Interface Approach

5.1.2.1.1 General Philosophy

The functional software system for the TDSDT CUROPS mode is a user controlled system that responds to three basic stimuli. These are:

- . Operator requests
- . Operational input messages
- . Critical conditions or events detected within the system data base.

Operator control is maintained by providing operator notification messages covering all critical input messages and internally detected conditions. Processing that will result in the planning, adjustment or cancellation of a mission can be initiated only by operator action.

To support the operator's responsibilities a network of interrelated system displays and operator actions has been established that allow the CUROPS operator to:

- . Examine all data base information
- . Insert manual input messages
- . Select and control functional processing
- . Review processing results or progress
- . Respond to input messages or critical events.

The action list, described in Section 5.2-OPERATOR ACTIONS-includes over 150 discrete actions available to the system user. Many of the actions can be parameterized to further direct the processing flow. Approximately 75 displays and 80 operator notification messages have been incorporated within the system to complement the standard TDSDT display capabilities. These displays and messages are cataloged in Section 5.3-SYSTEM RESPONSES.

5.1.2.1.2 Action Selection

All actions available to the system operator can be manually typed and transmitted at the user station, however, many of the operator requests or data input actions entail lengthly formatted data streams that would be both tedious and difficult to execute correctly. The operator is supported on these actions by a set of two way displays that define the content and format required in the action and then, following operator insertion of the requisite data, provide the vehicle for direct transmission to the processing system.

To further support the operator, and eliminate the need to memorize detailed action formats, all system actions following initial console activation can be found on one or more User Options Lists. These lists are defined in Section 5.1.2.2 and provide light pen selectable actions that can be transmitted to the processing system as an operator request. For those actions that include processing parameters provision is made for operator modification of the displayed action prior to transmission.

5.1.2.1.3 Action Sequencing

To assist the operator in executing a sequence of related actions the system displays incorporate light pen selectable operator actions within the display formats. These actions normally include provision for requesting a clean copy of the present display or the next logical display page, for requesting the next logical processing activity or for accessing the top level user options list to initiate a new operator activity. To execute any of these actions the operator must only modify the display action block to reflect desired processing parameters, select the desired action via light pen and transmit the modified action to the processing system.

5.1.2.1.4 Multi Segment Displays

Many displays require more than one copy of the display surface for complete presentation of the required data. These displays have been implemented in segments as required for an organized total presentation. The longer manual input message format displays utilize two sequential displays designated parts 1 and 2. The standard data output displays utilize a page/set scheme to handle extended display requirements. Multiple pages are used in tabular displays covering more display objects than can be tabulated on one display surface. Multiple sets are used to present additional categories of information. Several display types utilize both page and set expansions as required.

The response to a basic display request, either operator or software generated, is part or page one/set one of a multi segment display. Part two of the longer input message format displays is presented automatically upon transmission of the executed part one. Both parts may be manually requested through unique operator actions. Each segment of a multi page/set display contains, within the display, the operator action required to request that display segment. Additional segments are requested by modifying the page or set designators in the displayed action format and transmitting the modified request.

5.1.2.2 User Options Lists

This subsection defines the user options lists discussed in previous paragraphs. Each list is presented as it will appear on the display surface. The action required to request the option list and a brief comment on the nature of the operator actions covered is also included.

Through the use of these options lists the system actions available to the CUROPS operator can be viewed as a multi level tree. The first option list presented allows selection of one of the detailed options lists. These detailed lists group, in one display presentation, an interrelated subset of the action repertoire. These detailed lists, in turn, allow the operator to initiate a specific sequence of operational activities.

Action: OPTIONS or ← S OPS 7

Display Response:

	1	2	3	4	5	6	
	1	2	3	4	5	6	12345678901234
1							1
2							2
3							3
4							4
5							5
6	+DED	MSNA	MISSION	ADJUSTMENT			6
7							7
8	+DED	SRAD	SAR	ASSIGNMENT			8
9							9
10	+DED	SADR	SAR	REPORTS			10
11							11
12							12
13							13
14	+DED	MSNR	MISSION	REPORTS			14
15							15
16	+DED	RSTR	REQUESTS				16
17							17
18							18
19							19
20							20
21							21
22	+DED	DBDA	DATA	BASE	DISPLAYS		22
23							23
24	+DED	OPRA	OPERATOR	ACTIONS			24
25							25
26							26
27							27
28							28
29							29
30							30
31							31
32	+OPTIONS						32
	1	2	3	4	5	6	12345678901234

Comment: This display contains the actions required to request the detailed options lists that follow and the SAR Assignment processing request.

Figure 32

Top Level User Options List

Action: DED MSNA

Display Response:

	1	2	3	4	5	6	
	123456789012345678901234567890123456789012345678901234						
1	MISSION ADJUSTMENT						1
2							2
3							3
4							4
5							5
6	+DED	FPAD	-----	FIGHTER	PLANNING	ADJUSTMENT	6
7				[MSN NO/TARGET NO/REQ NO]			7
8							8
9	+DED	RPAD	-----	RECCE	PLANNING	ADJUSTMENT [MSN NO]	9
10							10
11	+DED	SMPD		SUPPORT	MISSION	PLANNING	11
12							12
13	+DED	CTRS		CANDIDATE	TARGET	REQUIREMENTS SELECTION	13
14							14
15	+DED	CCRS		CANDIDATE	CAS	REQUIREMENTS SELECTION	15
16							16
17	+DED	CRRS		CANDIDATE	RECCE	REQUIREMENTS SELECTION	17
18							18
19	+DED	CFMS		CANDIDATE	FIGHTER	MISSIONS SELECTION	19
20							20
21	+DED	CRMS		CANDIDATE	RECCE	MISSIONS SELECTION	21
22							22
23	+DED	CFSD		CANDIDATE	FIGHTER	MISSION SCHEDULE	23
24				DISPLAY REQUEST			24
25							25
26	+DED	CRSD		CANDIDATE	RECCE	MISSION SCHEDULE	26
27				DISPLAY REQUEST			27
28	+PREPARE FRAG						28
29							29
30	+CANCEL	-----	[MSN NO]				30
31							31
32	+OPTIONS						32
	1	2	3	4	5	6	
	123456789012345678901234567890123456789012345678901234						

Comment: This display contains operator actions required to control the mission adjustment processing functions.

Figure 33

Mission Adjustment Operator Actions List

Action: DED SADR

Display Response:

	1	2	3	4	5	6	
	12345678901234	5678901234	5678901234	5678901234	5678901234	5678901234	5
1							1
2							2
3							3
4	SAR REPORTS						4
5							5
6	+DED AIDR	AIRCRAFT IN DISTRESS					6
7							7
8	+DED PRAD	AIRCRAFT IN DISTRESS POSITION					8
9							9
10	+DED DPRT	DOWNED PILOT					10
11							11
12	+DED SMPR	SEARCH AND RESCUE POSITION					12
13							13
14	+DED SMRR	SEARCH AND RESCUE PROGRESS					14
15							15
16	+PREPARE SAR FRAG						16
17							17
18							18
19	AIR DEFENSE REPORTS						19
20							20
21	+DED ADSM	AIR DEFENSE SCRAMBLE					21
22							22
23	+DED ASVD	AIR SURVEILLANCE DATA					23
24							24
25	+DED TAAD	TACTICAL ACTION DATA					25
26							26
27							27
28							28
29							29
30							30
31							31
32	+OPTIONS						32
	1	2	3	4	5	6	
	12345678901234	5678901234	5678901234	5678901234	5678901234	5678901234	5

Comment: This display contains operator actions required to access the input message formats for SAR and Air Defense Reports.

Figure 34

Input Message Processing Actions-SAR and Air Defense

Action: DED MSNR

Display Response:

	1	2	3	4	5	6	
	12345678901234	56789012345678901234	56789012345678901234	56789012345678901234	56789012345678901234	5678901234	
1							1
2							2
3							3
4							4
5							5
6	+DED	ABTR	ABORT				6
7							7
8	+DED	ADEL	AIR DELAY				8
9							9
10	+DED	CANX	CANCELLATION				10
11							11
12	+DED	GDEL	GROUND DELAY				12
13							13
14	+DED	ICSM	IMMEDIATE CAS SCRAMBLE				14
15							15
16	+DED	IRSM	IMMEDIATE RECCE SCRAMBLE				16
17							17
18	+DED	INFR	INFLIGHT				18
19							19
20	+DED	RSIR	JOINT TAC AIR RECCE/SURVEILLANCE INFLIGHT				20
21							21
22	+DED	LDGR	LANDING				22
23							23
24	+DED	TKOR	TAKEOFF				24
25							25
26							26
27							27
28							28
29							29
30							30
31							31
32	+OPTIONS						32
	1	2	3	4	5	6	
	12345678901234	56789012345678901234	56789012345678901234	56789012345678901234	56789012345678901234	5678901234	

Comment: This display contains operator actions required to access the the input message formats for Mission Reports.

Figure 35

Input Message Processing Actions-Mission Reports

Action: DED RSTR

Display Response:

	1	2	3	4	5	6	
	12345678901234	5678901234	5678901234	5678901234	5678901234	5678901234	
1	REQUESTS						1
2	+DED ACAQ ----- JOINT TAC AIR [REQ NO]						2
3	+DED ARSQ ----- JOINT TAC AIR RECCE/SURVEILLANCE [REQ NO]						3
4	STATUS REPORTS						4
5	+DED ADFS ----- AIR DEFENSE FIGHTER STATUS [UNIT]						5
6	+DED AFFS ----- AIRFIELD & FLIGHT FACILITY STATUS [BASE]						6
7	+DED TFAS ----- TACS FACILITY STATUS [UNIT]						7
8	+DED TAUS ----- TACTICAL UNIT STATUS [UNIT]						8
9	TANKER REPORTS						9
10	+DED ONSR ON-STATION						10
11	+DED REFR REFUELING						11
12	+OPTIONS						12

Comment: This display contains operator actions required to access the input message formats for Requests and Status or Tanker Reports.

Figure 36

Input Message Processing Actions-Requests, Status and Tanker Reports

Action: DED DBDA

Display Response:

	1	2	3	4	5	6	
	12345678901234	5678901234	5678901234	5678901234	5678901234	5678901234	
1	DATA BASE DISPLAYS						1
2							2
3							3
4							4
5							5
6	+DBD	1		AIR DEFENSE FIGHTER STATUS			6
7	+DBD	2	-----	AIR DEFENSE FRAG ORDER			7
8	+DBD	3		AIRFIELD AND FLIGHT FACILITY STATUS			8
9	+DBD	4	-----	CAS REQUEST			9
10	+DBD	5		COMMAND GUIDANCE			10
11	+DBD	6	-----	FIGHTER ASSIGNMENT			11
12	+DBD	7	---/	ICAS FRAG ORDER			12
13	+DBD	8	---/	IRECCE FRAG ORDER			13
14	+DBD	9	-----	RECCE REQUEST			14
15	+DBD	10	-----	RECCE/EW ASSIGNMENT			15
16	+DBD	11	-----	SAR REQUIREMENT			16
17	+DBD	12	-----	TAC ACTION DATA			17
18	+DBD	13	-----	TAC BASE MUNITIONS STATUS			18
19	+DBD	14		TAC UNIT STATUS			19
20	+DBD	15		TAC FACILITY STATUS			20
21	+DBD	16	-----	TARGET			21
22	+DBD	17	-----	TRACK DATA			22
23	+DBD	18	-----	UNIT MISSIONS			23
24	+DBD	19	---/	UNIT PLANNING			24
25							25
26							26
27							27
28							28
29							29
30							30
31							31
32	+OPTIONS						32

Comment: This display contains operator actions required to request the display of selected data base files.

Figure 37
Data Base Display Actions

Action: DED OPRA

Display Response:

	1	2	3	4	5	6	
	12345678901234	5678901234	5678901234	5678901234	5678901234	5678901234	5

1		1
2		2
3		3
4	OPERATOR ACTIONS	4
5		5
6	+INITIATE TSDST	6
7		7
8	+PREPARE FRAG	8
9		9
10	+PREPARE SAR FRAG	10
11		11
12	+MSN PAGE 1	12
13		13
14	+SCHED PAGE 1 SET 1	14
15		15
16	+BUILD MISSION -----	16
17		17
18	+CANCEL -----	18
19		19
20	+DED BSDA BUILD SCHEDULE DISPLAY ACTION	20
21		21
22	+DISPLAY ----- OBJECT ----- PAGE 1	22
23		23
24	+DISPLAY ----- PROP ----- PAGE 1	24
25		25
26	+DISPLAY ----- FILE PAGE 1 SET 1	26
27		27
28		28
29		29
30		30
31		31
32	+OPTIONS	32

	1	2	3	4	5	6	
	12345678901234	5678901234	5678901234	5678901234	5678901234	5678901234	4

Comment: This display contains a variety of processing control and display request actions.

Figure 38

Miscellaneous Operator Actions

5.1.2.3 Operator Errors and System Failures

System processing, as requested, by an operator, can be terminated for a variety of reasons ranging from operator request errors to system equipment failures. Each class of failure and their recovery procedures are discussed in the following paragraphs. In all cases but system equipment failure or overloads the operator is notified of the failure through a descriptive notification message (See Section 5.3.3 Alerts, Notifications and Printer Outputs).

5.1.2.3.1 Operator Error-Invalid Action

Manually executed operator requests are subject to typing or editorial errors (e.g. DOD vs DED). These errors preclude proper system interpretation. Operator requests are reviewed, upon receipt by the processing system, to assure that they can be recognized as a legal operator action. Upon receipt of an invalid operator action the processing system notifies the operator that his request was invalid and cannot be processed. Correction and retransmission of the intended action are required to initiate processing.

5.1.2.3.2 Operator Error-Invalid Parameters

Some operator actions require manually inserted parameters to fully define the processing request (e.g. a specified mission number or a particular mission type for mission data or schedule requests).

Many of the processing parameters required as a part of an operator action have limited legal ranges or are restricted to a set of specified parameter values. If an operator violates these parameter restrictions, the processing system will notify him that the request, as presented, cannot be processed. The improper parameter values must then be corrected and the total operator action retransmitted to initiate the desired processing.

5.1.2.3.3 System Failure-System Overload

Since the TDSDF System is a multi user system operating on a bounded equipment configuration, it is possible for a group of system operators to initiate more processing requirements than the system can process within accustomed system response times. When this condition occurs the processing requests are queued and completed in sequence. For PDP-8 overloads, this condition is observable at the user station through a blinking of the user station display. This blinking indicates that the user station has not been able to access the PDP-8. IBM-1800 overloads result only in a processing delay. Failure to clear the overload condition and complete all operator processing requests indicates an equipment failure resulting in a system abort (see Paragraph 5.1.2.3.5).

5.1.2.3.4 System Failure-Processing Abort

Some operator actions, notably those associated with mission adjustment processing, can contain processing requests that, though legal in format and parameters, cannot be completed by the processing system. An example of this type of system failure is a request to replan a specified mission against a new requirement. The processing system may discover that the mission is incapable of meeting the requirement due to fuel unavailability, inability to meet a requested time over target or any of a variety of other reasons that could not be assessed by the operator prior to his request. In these situations the operator is notified of the condition encountered and further processing is terminated. This allows the processing system to handle other requests while the operator is reassessing the situation. When a new course of action is identified the operator may reinitiate his request with modified processing parameters (e.g., specifying an alternative mission to satisfy the pending requirement).

5.1.2.3.5 System Failure - System Abort

By their nature, computers, display equipments and communication devices fail from time to time. When this occurs in the TDSDT the failure may range from a temporary interruption of service with no loss of data to a major equipment malfunction that destroys the contents of system memories. When a system abort has occurred and service has been resumed, the system operator must determine what, if any, information or system control losses have occurred. Four unique classes of system failure may exist and require appropriate recovery actions. These are:

- . Loss of system data base
- . Loss of system control data
- . Loss of simulation timing
- . Loss of processing in progress

Each operator must assess the extent and impact of these losses relative to his operational activity.

If the system data base has been lost the system must be reloaded and re-started. Operator positions must be reassigned and activated and all processing activities must be reinitiated.

If the system data base has been retained, but system control data has been lost, the system status table must be reestablished to define the operating environment. Operator position reactivation will probably be required.

If simulation timing has been effected some message data may have been lost. Depending on the operations in progress this may require resetting the simulation function and a resumption of system operation at some prior simulated time. For critical operations a simulation malfunction may require a system restart to assure data base/simulation integrity.

For each system abort some processing activity will have been interrupted. For many processing activities the processing can be reinitiated without loss of data or damage to system files, however, where processing activities have been partially completed and cannot be resumed at the point of the abort, there exists the potential for loss of data base integrity when the initial processing steps are repeated. In critical operating situations each operator must assure that such damage has not occurred. If it has, and cannot be corrected by operator action, the system must be restarted.

5.1.3 Basic Action/Response Sequences

This subsection presents four basic sequences of operator actions and system responses as they could be applied by an operator. The action sequences, as presented, make full use of the operator option lists and indicate how these lists might be applied to a variety of operational activities. Each sequence has been annotated to indicate the specific actions required and methods available to take those actions. A brief indication of the objective served by the sequence and a detailed presentation of the display responses encountered are also given.

In the discussions that follow several actions are noted for optional direct typing or selection from a previous display. These are situations in which an experienced operator can eliminate the user option list requests and move directly into a processing activity.

The four sequences presented cover:

	<u>Page</u>
. User station assignment to operational functions	743
. Examination of mission schedule and detailed mission data	747
. A RECCE planning activity	755
. A manual message insertion	764

5.1.3.1 User Station Assignment Sequence

This sequence of actions/responses would be used when a new operating position was to be activated. It covers activation of the user station and redistribution of the operational subfunctions to the expanded set of operator positions.

Action: ← S OPS 7 or OPTIONS

The ← S OPS 7 action would be taken to activate a new user station (or reactivate the station under certain error conditions); the OPTIONS action can be typed or selected from a previous display if redistribution of active user stations is required.

Display Response

	OPTIONS
+DED MSNA	MISSION ADJUSTMENT
+DED SRAD	SAR ASSIGNMENT
+DED SADR	SAR REPORTS
	AIR DEFENSE REPORTS
+DED MSNR	MISSION REPORTS
+DED RSTR	REQUESTS
	STATUS REPORTS
	TANKER REPORTS
+DED DBDA	DATA BASE DISPLAYS
+DED OPRA	OPERATOR ACTIONS
+OPTIONS	

Comment: This response is the top level user options list to be used to access the detailed level options lists.

Action: DED OPRA

This action can be typed directly or be selected from the previous display.

Display Response

OPERATOR ACTIONS

- +INITIATE TDSDT
- +PREPARE FRAG
- +PREPARE SAR FRAG
- +MSN PAGE 1
- +SCHED PAGE 1 SET 1
- +BUILD MISSION ----- -
- +CANCEL -----
- +DED BSDA BUILD SCHEDULE DISPLAY ACTION
- +DISPLAY ----- OBJECT ----- PAGE 1
- +DISPLAY ----- PROP ----- PAGE 1
- +DISPLAY ----- FILE PAGE 1 SET 1

- +OPTIONS

Comment: This response is a detailed level user options list that can be used to eliminate the requirement to type the next action in this sequence.

Action: INITIATE TSDST

This action can be typed directly or be selected from the previous display.

Display Response

INITIATE REVISE			TSDST STATUS		01 JUL (182) 1707 HRS
DISK PACKS:	SDC004		-----		SDC 008 -----
STATION	MODE		ASSIGNMENTS		
A1	CUROPS	INT/CA	ICAS	PCAS	AIRDEF
A2	CUROPS	IREC	PREC	-----	-----
A3	CUROPS	EW	TANKER	SAR	-----
B1	STANDARD	-----	-----	-----	-----
B2	STANDARD	-----	-----	-----	-----
B3	STANDARD	-----	-----	-----	-----
TDSAM	STANDARD	-----	-----	-----	-----
SIM: OFF	MON: OFF		SIM TIME: ----		SIM DATE: -- --
C/O SIM: OFF	C/E MON: OFF		TIME ADVANCE: -		FRAG: --

Comment: This response is a two way display to be used by the operator to review current assignments and to transmit assignment changes.

Action: INITIATE REVISE TSDT STATUS

This action is taken by modifying the content of the previous display and transmitting it as an operator request.

Result: This action initiates or modifies the system status table. The subfunction assignments control distribution of function specific input messages, alerts and operator notifications.

Codes: The position assignment codes used in this action are as follows:

<u>Function</u>	<u>Subfunction</u>	<u>Assignment Code</u>
Fighter Operations	Interdiction/Counter Air	INT/CA
	Immediate CAS	ICAS
	Preplanned CAS	PCAS
	Air Defense	AIRDEF
RECCE Operations	Immediate RECCE	IREC
	Preplanned RECCE	PREC
	Electronic Warfare	EW
Tanker Operations	Aerial Refueling	TANKER
SAR Operations	Search and Rescue	SAR

5.1.3.2 Mission Review Sequence

This sequence of actions/responses would be used when an operator wished to review the mission schedules of a specified class of missions and then examine in detail the mission plan and status of a single mission.

Action: OPTIONS or ←S OPS 7

The OPTIONS action would normally be selected from a preceeding display or be typed directly. The ←S OPS 7 action would be used to activate the operator position and then proceed directly into the mission review activity.

Display Response

	OPTIONS
+DED MSNA	MISSION ADJUSTMENT
+DED SRAD	SAR ASSIGNMENT
+DED SADR	SAR REPORTS
	AIR DEFENSE REPORTS
+DED MSNR	MISSION REPORTS
+DED RSTR	REQUESTS
	STATUS REPORTS
	TANKER REPORTS
+DED DBDA	DATA BASE DISPLAYS
+DED OPRA	OPERATOR ACTIONS
+OPTIONS	

Comment: This response is the top level user options list.

Action: DED OPRA

This action can be typed directly or be selected from the previous display.

Display Response

OPERATOR ACTIONS

- +INITIATE TDSDT
- +PREPARE FRAG
- +PREPARE SAR FRAG
- +MSN PAGE 1
- +SCHED PAGE 1 SET 1
- +BUILD MISSION ----- -
- +CANCEL -----
- +DED BSDA BUILD SCHEDULE DISPLAY ACTION
- +DISPLAY ----- OBJECT ----- PAGE 1
- +DISPLAY ----- PROP ----- PAGE 1
- +DISPLAY ----- FILE PAGE 1 SET 1

- +OPTIONS

Comment: This response is a detailed level user options list.

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TM-LX-346/600/01

Action: DED BSDA

This action can be typed directly or be selected from the previous display.

Display Response

```
BUILD SCHEDULE DISPLAY ACTION
SCHEDULE TYPE RECCE
ORDER BY ETD ETD/ETOT
INTERVAL TYPE D BEFORE/AFTER/DURING
DATE/TIME 252/1400 TO 1800
PRINT SCHEDULE - YES
```

+OPTIONS +DBD BSDA

Comment: This response is a two way display presenting the format for the next required operator action. It has been presented as it would appear after operator modification requesting a RECCE missions schedule.

Action: BUILD SCHEDULE DISPLAY ACTION

This action is taken by modifying and transmitting the previous display.

Display Response

SCHED PAGE 1 SET 1

RECCE MISSION SCHEDULE

PAGE 1 OF 1 SET 1 OF 2

MSN NO	A/C NO	TYPE	ETD	ATD	STOT	ATOT	ETR	ATR	REQ	NO	P
XXXXXXXXXXXX	XX	XXXXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXXXX	X	
XXXXXXXXXXXX	XX	XXXXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXXXX	X	
XXXXXXXXXXXX	XX	XXXXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXXXX	X	
XXXXXXXXXXXX	XX	XXXXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXXXX	X	
XXXXXXXXXXXX	XX	XXXXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXXXX	X	
XXXXXXXXXXXX	XX	XXXXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXXXX	X	
XXXXXXXXXXXX	XX	XXXXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXXXX	X	
XXXXXXXXXXXX	XX	XXXXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXXXX	X	
XXXXXXXXXXXX	XX	XXXXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXXXX	X	
XXXXXXXXXXXX	XX	XXXXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXXXX	X	

+OPTIONS +BUILD MISSION ----- +PRINT

Comment: This response presents the first set of information on the requested mission type.

Action: SCHED PAGE 1 SET 2

This action is taken by modifying and transmitting the first line of the previous display.

Display Response

SCHED PAGE 1 SET 2

RECCE MISSION SCHEDULE

PAGE 1 OF 1 SET 2 OF 2

MSN NO	C/S	NO. OF REQ	RESULTS/REMARKS
XXXXXXXXXXXX	XXXXXXXXXXXXXXXX	X	XXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXX	XXXXXXXXXXXXXXXX	X	XXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXX	XXXXXXXXXXXXXXXX	X	XXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXX	XXXXXXXXXXXXXXXX	X	XXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXX	XXXXXXXXXXXXXXXX	X	XXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXX	XXXXXXXXXXXXXXXX	X	XXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXX	XXXXXXXXXXXXXXXX	X	XXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXX	XXXXXXXXXXXXXXXX	X	XXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXX	XXXXXXXXXXXXXXXX	X	XXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXX	XXXXXXXXXXXXXXXX	X	XXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXX	XXXXXXXXXXXXXXXX	X	XXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXX	XXXXXXXXXXXXXXXX	X	XXXXXXXXXXXXXXXXXXXXXXXXXXXX

+OPTIONS +BUILD MISSION ----- +PRINT

Comment: This response completes the presentation of data on the RECCE mission schedules.

Action: BUILD MISSION XXXXXXXXXXXXX

This action is taken by modifying and transmitting the action block
in the bottom line of the previous display.

Display Response

MSN PAGE 1

MISSION NO XXXXXXXXXXXXX

PAGE 1 OF 3

C/S	A/C NO TYPE	RECALL	STATUS
XXXXXXXXXXXXXXXXXX	XX XXXXXX	XXXXXXXXXX	X

ROUTE	SCHED TIME	ACTUAL TIME
DEP BASE	XXXX	XXXX
PRE REFUEL	X	XXXX
RENDEZVOUS	XXXXXXXXXXXX	XXXX
INGRESS OFFSET PT	XXX	XXXX
INGRESS POINT	XX	XXXX
REQ-1 OR ORBIT PT	XXXXXXXXXXXX	XXXX
REQ-2	XXXXXXX	XXXX
REQ-3	XXXXXXX	XXXX
REQ-4	XXXXXXX	XXXX
EGRESS POINT	XX	XXXX
EGRESS OFFSET PT	XXX	XXXX
POST REFUEL	X	XXXX
RECOVERY BASE	XXXX	XXXX

ABN ABORTED NOT RETURNED
XX XX XX

REMARKS-1 <XX>

REMARKS-2 <XX>

+OPTIONS +PRINT

Comment: This response is the first page of detailed mission data on the
selected mission. The format is for RECCE missions.

Action: MSN PAGE 2

This action is taken by modifying and transmitting the first line of the previous display.

Display Response

MSN PAGE 2

MISSION NO XXXXXXXXXXXXXXXX

PAGE 2 OF 3

CONTROL AGENCY FREQ
XXXXXXXXXXXXXXXXXX XXXXX

ABORT
LDG TIME BASE REASON
XXXX XXXX XXXXX

A/C NOT RETURNED
NO C/S REASON LOCATION
XX XXXXXXXXXXXXXXXX XXXXX XXXXXXXXXXXXXXXXXX

REFUELING
 MSN NO C/S FREQ AREA REQ ACTUAL
PRE XXXXXXXXXXXXX XXXXXXXXXXXXXXXX XXXXX X XXXXX XXXXX
POST XXXXXXXXXXXXX XXXXXXXXXXXXXXXX XXXXX X XXXXX XXXXX

SUP MSN ORBIT PT ORBIT TIME
XXXXXXXXXXXXX XXXXXXXXXXXXX XXXX TO XXXX

XXXXXXXXXXXXX

XXXXXXXXXXXXX

XXXXXXXXXXXXX REPLACES MSN NO

XXXXXXXXXXXXX XXXXXXXXXXXXX

+OPTIONS

+PRINT

Comment: This response is page two of the selected RECCE mission data.

Action: MSN PAGE 3

This action is taken by modifying and transmitting the first line of the previous display.

Display Response

MSN PAGE 3

MISSION NO XXXXXXXXXXXXX

PAGE 3 OF 3

	A/C		
C/S	NO TYPE	NO OF REQ	
XXXXXXXXXXXXXXXXXX	XX XXXXX	XX	
REQ-1	TOT P	TGT NO	TGT CATEGORY
XXXXXX	XXXX X	XXXXX	XX
TGT LOC	AREA	SPEC EEI	
A XXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
B XXXXXXXXXXXXX			
C XXXXXXXXXXXXX	RECCE TYPE	PHOTO TYPE	
D XXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	
E XXXXXXXXXXXXX			
F XXXXXXXXXXXXX			

FIIM TYPE	MAP CHART
XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

SCALE	PRODUCTS	NO OF COPIES
XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXX

DELIVERY TIME
XXXXXXXXXXXXXXXXXXXX

SPECIAL INSTRUCTIONS
XX

+OPTIONS

+PRINT

Comment: This response presents page three describing the selected RECCE mission. For a RECCE mission covering multiple requirements up to three additional pages in this format may be available.

5.1.3.3 RECCE Planning Sequence

This sequence of actions/responses would be used when an operator wished to make a RECCE adjustment or plan a new RECCE mission. It might logically follow the mission review activity of the preceding sequence.

Action: OPTIONS OR ← S OPS 7

The OPTIONS action would normally initiate this sequence and could be selected from a preceding display.

Display Response

- OPTIONS
- +DED MSNA MISSION ADJUSTMENT
- +DED SRAD SAR ASSIGNMENT
- +DED SADR SAR REPORTS
- AIR DEFENSE REPORTS
- +DED MSNR MISSION REPORTS
- +DED RSTR REQUESTS
- STATUS REPORTS
- TANKER REPORTS
- +DED DBDA DATA BASE DISPLAYS
- +DED OPRA OPERATOR ACTIONS
- +OPTIONS

Comment: This response is the top level user options list.

Action: DED MSNA

This action could be typed directly or be selected from the preceding display.

Display Response

MISSION ADJUSTMENT

+DED FPAD	-----	FIGHTER PLANNING ADJUSTMENT (MSN NO/TARGET NO/REQ NO)
+DED RPAD	-----	RECCE PLANNING ADJUSTMENT (MSN NO)
+DED SMPD		SUPPORT MISSION PLANNING
+DED CTRS		CANDIDATE TARGET REQUIREMENTS SELECTION
+DED CCRS		CANDIDATE CAS REQUIREMENTS SELECTION
+DED CRRS		CANDIDATE RECCE REQUIREMENTS SELECTION
+DED CFMS		CANDIDATE FIGHTER MISSIONS SELECTION
+DED CRMS		CANDIDATE RECCE MISSIONS SELECTION
+DED CFSD		CANDIDATE FIGHTER MISSION SCHEDULE DISPLAY REQUEST
+DED CRSD		CANDIDATE RECCE MISSION SCHEDULE DISPLAY REQUEST
+PREPARE FRAG		
+CANCEL	-----	(MSN NO)
+OPTIONS		

Comment: This response is the detailed user options list covering mission adjustment actions.

Action: DED CRMS

This action could be typed directly or be selected from the previous display.

Display Response

```
CMSD      CANDIDATE RECCE MISSIONS SELECTION
START ETD (252/1400)   END ETD   (252/1800)
EXAMINE ALERT FIRST   YES  HIGHEST PRIORITY   2
NO OF SORTIES  3
      FOR CANDIDATE RECCE MISSION SCHEDULE DISPLAY ENTER
      REQ NO (-----)   TOT    ---/---
      INGRESS PT  --    EGRESS PT  --
```

+OPTIONS +DED CRMS

Comment: This response is a two-way display presenting the format for operator requests for Candidate RECCE Mission Selection processing. The display is presented as it might appear after operator insertion of the processing parameters.

Action: CMSD CANDIDATE RECCE MISSIONS SELECTION

This action is taken by modifying and transmitting the previous display.

Display Response

CMSD PAGE 1
6 CANDIDATE MISSIONS

CANDIDATE RECCE MISSIONS						PAGE 1 OF 1			
MSN NO	A/C		ALERT OR		REQ	REQ			
	NO	TYPE	ETD	ETR		NO-1	P	NO-2	P
XXXXXXXXXXXXXX	XX	XXXXXX	XXXX	XXXX	XX	XXXXXXXX	X	XXXXXXXX	X
XXXXXXXXXXXXXX	XX	XXXXXX	XXXX	XXXX	XX	XXXXXXXX	X	XXXXXXXX	X
XXXXXXXXXXXXXX	XX	XXXXXX	XXXX	XXXX	XX	XXXXXXXX	X	XXXXXXXX	X
XXXXXXXXXXXXXX	XX	XXXXXX	XXXX	XXXX	XX	XXXXXXXX	X	XXXXXXXX	X
XXXXXXXXXXXXXX	XX	XXXXXX	XXXX	XXXX	XX	XXXXXXXX	X	XXXXXXXX	X
XXXXXXXXXXXXXX	XX	XXXXXX	XXXX	XXXX	XX	XXXXXXXX	X	XXXXXXXX	X

+OPTIONS +DED RPAD -----

+PRINT

Comment: This response presents the candidate RECCE missions that qualify within the operator specified processing parameters.

Action: DED RPAD XXXXXXXXXXXXX

This action can be typed directly or be selected from the bottom line of the previous display. It may include a specified mission number.

Display Response

```

RPAD          RECCE PLANNING ADJUSTMENT
UNIT          (-----) OR MSN NO -----  BASE ----
A/C TYPE     (-----)   NO OF SORTIES (--)
REQ NO 1 (-----)   2 -----  3 -----  4 -----
TOT  (---/----)   TOT FOR REQ NO -
INGRESS PT --      EGRESS PT --
REMARKS <----->

```

+OPTIONS +DED RPAD -----

Comment: This response is a two-way display presenting the request format for the operator action specifying an adjusted RECCE mission. Mission data is included in the original display if a mission number has been specified in the action. The blank format is presented otherwise.

Action: RPAD RECCE PLANNING ADJUSTMENT

This action is taken by completing the data insertions required to complete the previous display and then transmitting the display as an operator request.

Display Response

MSN PAGE 1

MISSION NO XXXXXXXXXXXXX

PAGE 1 OF 3

C/S	A/C NO TYPE	RECALL	STATUS
XXXXXXXXXXXXXXXXXX	XX XXXXXX	XXXXXXXXXX	X
		SCHED	ACTUAL
ROUTE		TIME	TIME
DEP BASE	XXXX	XXXX	XXXX
PRE REFUEL	X	XXXX	XXXX
RENDEZVOUS	XXXXXXXXXXXXXX	XXXX	
INGRESS OFFSET PT	XXX	XXXX	
INGRESS POINT	XX	XXXX	
REQ-1 OR ORBIT PT	XXXXXXXXXXXXXX	XXXX	XXXX
REQ-2	XXXXXXX	XXXX	XXXX
REQ-3	XXXXXXX	XXXX	XXXX
REQ-4	XXXXXXX	XXXX	XXXX
EGRESS POINT	XX	XXXX	
EGRESS OFFSET PT	XXX	XXXX	
POST REFUEL	X	XXXX	XXXX
RECOVERY BASE	XXXX	XXXX	XXXX
ABN ABORTED	NOT RETURNED		
XX XX	XX		

REMARKS 1 <XX>
REMARKS 2 <XX>

+OPTIONS

+PRINT

Comment: This response is the first page of the mission display describing the adjusted mission. Additional pages of this display can be seen by modifying and transmitting line one of the display.

Action: OPTIONS

This action can be typed directly or be selected from the previous display.

Display Response

	OPTIONS
+DED MSNA	MISSION ADJUSTMENT
+DED SRAD	SAR ASSIGNMENT
+DED SADR	SAR REPORTS
	AIR DEFENSE REPORTS
+DED MSNR	MISSION REPORTS
+DED RSTR	REQUESTS
	STATUS REPORTS
	TANKER REPORTS
+DED DBDA	DATA BASE DISPLAYS
+DED OPRA	OPERATOR ACTIONS

+OPTIONS

Comment: This response is the top level user options list.

Action: DED OPRA

This action can be typed directly or be selected from the previous display.

Display Response

OPERATOR ACTIONS

+INITIATE TDSDT
+PREPARE FRAG
+PREPARE SAR FRAG
+MSN PAGE 1
+SCHED PAGE 1 SET 1
+BUILD MISSION ----- -
+CANCEL -----
+DED BSDA BUILD SCHEDULE DISPLAY ACTION
+DISPLAY ----- OBJECT ----- PAGE 1
+DISPLAY ----- PROP ----- PAGE 1
+DISPLAY ----- FILE PAGE 1 SET 1

+OPTIONS

Comment: This response is a detailed user options list.

Action: PREPARE FRAG

This action can be typed directly or be selected from the previous display.

RESULT: This action causes an Adjustment to Frag Order message to be prepared and transmitted for the adjusted mission. Any other missions adjusted since the last PREPARE FRAG action will also be processed.

5.1.3.4 Manual Input Sequence

This sequence of actions/responses would be used by an operator to insert a manual input message into the system data base and processing flow.

Action: OPTIONS or ←S OPS 7

The OPTIONS action would normally initiate this sequence and could be selected from a preceding display.

Display Response

	OPTIONS
+DED MSNA	MISSION ADJUSTMENT
+DED SRAD	SAR ASSIGNMENT
+DED SADR	SAR REPORTS
	AIR DEFENSE REPORTS
+DED MSNR	MISSION REPORTS
+DED RSTR	REQUESTS
	STATUS REPORTS
	TANKER REPORTS
+DED DBDA	DATA BASE DISPLAYS
+DED OPRA	OPERATOR ACTIONS

+OPTIONS

Comment: This response is the top level user options list.

Action: DED SADR

This action could be typed directly or be selected from the preceding display.

Display Response

SAR REPORTS

+DED AIDR	AIRCRAFT IN DISTRESS
+DED PRAD	AIRCRAFT IN DISTRESS POSITION
+DED DPRT	DOWNED PILOT
+DED SMPR	SEARCH AND RESCUE POSITION
+DED SMRR	SEARCH AND RESCUE PROGRESS
+PREPARE SAR FRAG	

AIR DEFENSE REPORTS

+DED ADSM	AIR DEFENSE SCRAMBLE
+DED ASVD	AIR SURVEILLANCE DATA
+DED TAAD	TACTICAL ACTION DATA

+OPTIONS

Comment: This response is a detailed user options list containing operator requests for input formats for SAR and Air Defense manual input reports.

Action: DED AIDR

This action could be typed directly or be selected from the previous display.

Display Response

ENTER AIDR AIRCRAFT IN DISTRESS REPORT
MSN NO (-----) C/S (-----)
POSITION (-----) ALTITUDE (---)
TIME (---/---) HEADING (---) PATTERN -----
REMARKS <----->

+OPTIONS +DED AIDR

Comment: This response is the blank format for operator insertion of a manual Aircraft in Distress Report.

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Action: ENTER AIDR AIRCRAFT IN DISTRESS REPORT

This action is taken by inserting the message data in the preceding display and transmitting the executed display as an operator request.

RESULT: The manual message will be validity checked and released for system processing.

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5.2 OPERATOR ACTIONS

5.2.1 Introduction to the Action Catalog

The following section presents the actions available to an operator in the CUROPS mode. These actions allow the operator to control system processing and make display requests. For each action listed, the catalog also identifies the system function or operational activity associated with the action, the system responses resulting from the action and additional remarks required to define the operator's use of the action. Each column of the catalog forms are discussed in greater detail below.

5.2.1.1 Operator Action

This column of the form contains the operator actions as they would be typed or selected by the operator. Parentheses () indicate variable data or processing parameters included within the actions. The entire catalog is alphabetized by this column.

Closely related actions such as the two-way operator action displays and their associated requests are grouped under the basic display request (e.g., DED ABTR followed by ENTER ABTR XXX). The actions that would be out of alphabetic order because of this grouping are also listed in their proper individual order to assist in operator referencing.

5.2.1.2 System Function/Operational Activity - Page

These columns of the form contain identification of the system functions or operator activities supported by the action. This data and the associated page references provide a cross-reference index to Volume I of the specification where additional descriptive data may be found.

5.2.1.3 System Response - Page

These columns of the form contain identification of the system responses generated as a result of the operator action. They may be displays, printouts, operator notifications or processing initiation. The page references provide a cross-reference index to the system response catalogs (Sections 5.3.2 - Displays and 5.3.3 - Alerts, Notifications and Printer Outputs) or the basic specification where detailed descriptions of the responses may be found.

5.2.1.4 Remarks

This column of the form contains additional descriptive data defining the action and normally contains the primary specification reference for the action.

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5.2.2 Action Catalog

The following pages present each operator action available in the CUROPS mode of TSDST operation.

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
<p>←S OPS 7</p>	<p><u>System Control</u> Activates a user station</p>	<p>30</p>	<p><u>Display</u> OPTIONS</p>	<p>822</p>	<p>Defined on page 30. Presents the top level operator action list.</p>
<p>BUILD MISSION (Msn No) (Print)</p>	<p><u>Display Control and Generation</u> Display request RECCE missions Fighter missions Refueling missions SAR missions Processing definition</p>	<p>381 381 398 415 419 424</p>	<p><u>Display</u> MISSION NO (Mission Number)</p>	<p>821</p>	<p>Defined on page 485 Presents page one of a mission display of the designated mission. The resulting display is presented on the user station display unless the "print" indicator in the request is set to "y" requesting presentation on the user station printer. Subsequent pages of the resulting display are requested by the action "MSN PAGE (n)".</p>
<p>BUILD SCHEDULE DISPLAY ACTION (Parameters)</p>	<p><u>Display Control and Generation</u> RECCE/EW schedules Fighter schedules</p>	<p>355 362</p>	<p><u>Displays</u> RECCE MISSION SCHEDULE IRECCE MISSION SCHEDULE PRECE MISSION SCHEDULE EW MISSION SCHEDULE FIGHTER MISSION SCHEDULE PFIGHTER MISSION SCHEDULE CAS MISSION SCHEDULE ICAS MISSION SCHEDULE PCAS MISSION SCHEDULE IN/CA MISSION SCHEDULE ESCORT MISSION SCHEDULE CAP MISSION SCHEDULE</p>	<p>823 820 823 819 819 823 814 819 823 820 818 814</p>	<p>Defined on page 486 Presents page one, set one of the mission schedules for designated mission types. The resulting display is presented on the user station display unless the "print" indicator in the request is set to "y" requesting presentation on the user station printer. Subsequent pages and sets of the resulting display are requested by the action "SCHED PAGE (n) SET (m)".</p>

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
	Refueling schedules	371	REFUELING MISSION SCHEDULE	823	This action requires operator insertion of request parameters into a request format that is presented in response to the action "DED BSDA".
	SAR schedules	376	SEARCH AND RESCUE MISSION SCHEDULE	824	
	Processing Definition	424			
CANCEL (Msn No)	<u>Mission Adjustment</u> Mission deletion	130 153 219	Display MISSION DELETED <u>Printout</u>	820	Defined on pages 480 and 485. Deletes or redesignates references to the designated mission in the data base
CMSD CANDIDATE FIGHTER MISSION SCHEDULE DISPLAY REQUEST	See "DED CFSD"		This action will cause a Deleted MISSION FRAG Order Adjustment upon the next "PREPARE FRAG" action.	830	Defined on page 786
CMSD CANDIDATE FIGHTER MISSION SELECTION	See "DED CFMS"				Defined on page 785.
CMSD CANDIDATE RECCE MISSION SCHEDULE DISPLAY REQUEST	See "DED CRSD"				Defined on page 787.
CMSD CANDIDATE RECCE MISSIONS SELECTION	See "DED CRMS"				Defined on page 786.

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
CRSD CAS CANDIDATE REQUIREMENTS SELECTION	See "DED CCRS"				Defined on page 785.
CRSD RECCE CANDIDATE REQUIREMENTS SELECTION	See "DED CRRS"				Defined on page 787.
CRSD CANDIDATE TARGET REQUIREMENTS SELECTION	See "DED CTRS"				Defined on page 788.
DBD 1	<u>Display Control and Generation</u> Display request	488	Display DISPLAY ADFTRSTAT FILE PAGE 1 SET 1	816	Defined on page 484. Presents a display of the Air Defense Fighter Status File.
	Format	494			
DBD 2	<u>Display Control and Generation</u> Display request	488	Display DISPLAY ADFRAG FILE PAGE 1 SET 1	816	Defined on page 484. Presents a display of the Air Defense Frag Order file.
	Format	495			
DBD 2 (Unit)	Display request	488	<u>Display</u> DISPLAY ADFRAG OBJECT (unit designator) PAGE 1	816	Presents a display of the Air Defense Frag Order file property values for the designated unit.
DBD 3	<u>Display Control and Generation</u> Display request	488	<u>Display</u> DISPLAY AFLD/FLTAC FILE PAGE 1 SET 1	816	Defined on page 484. Presents a display of the Air Field and Flight Facility Status File.
	Format	496			

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DBD 4	<u>Display Control and Generation</u> Display request	488	<u>Display</u> DISPLAY PCASREQUEST FILE PAGE 1 SET 1	816	Defined on page 484 . Presents a display of the Preplanned Close Air Support Request File.
DBD 4 (Req No)	Format Display request	520 488	<u>Display</u> DISPLAY PCASREQUEST OBJECT (Request Number) PAGE 1	816	Presents a display of the Preplanned Close Air Support Request File property values for the designated request number.
DBD 5	<u>Display Control and Generation</u> Display request	488	<u>Display</u> DISPLAY COMGUID FILE PAGE 1 SET 1	816	Defined on page 484 . Presents a display of the Command Guidance file.
DBD 6	<u>Display Control and Generation</u> Display request	488	<u>Display</u> DISPLAY FTRASGN FILE PAGE 1 SET 1	816	Defined on page 484 , Presents a display of the Fighter Assignment file.
DBD 6 (Unit)	Format Display request	507 488	<u>Display</u> DISPLAY FTRASGN OBJECT (unit designator) PAGE 1	816	Presents a display of the Fighter Assignment file property values for the designated unit.

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DBD 7	<u>Display Control and Generation</u> Display request Format Display request	488 508 488	<u>Display</u> DISPLAY ICASFRAG FILE PAGE 1 SET 1 <u>Display</u> DISPLAY ICASFRAG OBJECT (unit designator) PAGE 1	816 816	Defined on page 484. Presents a display of the Immediate Close Air Support Frag Order file. Presents a display of the Immediate Close Air Support Frag Order file property values for the designated unit.
DBD 8	<u>Display Control and Generation</u> Display request Format Display request	488 511 488	<u>Display</u> DISPLAY IRECFRAG FILE PAGE 1 SET 1 <u>Display</u> DISPLAY IRECFRAG OBJECT (unit designator) PAGE 1	816 816	Defined on page 484. Presents a display of the Immediate Reconnaissance Frag Order file. Presents a display of the Immediate Reconnaissance Frag Order file property values for the designated unit.
DBD 9	<u>Display Control and Generation</u> Display request Format Display request	488 532 488	<u>Display</u> DISPLAY PRECREQUEST FILE PAGE 1 SET 1 <u>Display</u> DISPLAY PRECREQUEST OBJECT (request number) PAGE 1	816 816	Defined on page 484. Presents a display of the Preplanned Air Reconnaissance Request file. Presents a display of the Preplanned Air Reconnaissance Request file property values for the designated request number.

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DBD 10	<u>Display Control and Generation</u> Display request Format Display request	488 538 488	<u>Display</u> DISPLAY RECCE/EWASGN FILE PAGE 1 SET 1 <u>Display</u> DISPLAY RECCE/EWASGN OBJECT (unit designator) PAGE 1	816 816	Defined on page 484. Presents a display of the Reconnaissance/ Electronic Warfare Assignment file. Presents a display of the Reconnaissance/ Electronic Warfare Assignment file property values for the designated unit.
DBD 11 (Req No)	<u>Display Control and Generation</u> Display request Format Display request	488 542 488	<u>Display</u> DISPLAY SARREQ FILE PAGE 1 SET 1 <u>Display</u> DISPLAY SARREQ OBJECT (requirement number) PAGE 1	816 816	Defined on page 484, Presents a display of the Search and Rescue Requirements file. Presents a display of the Search and Rescue Requirements file property values for the designated requirement number.
DBD 12 (Track No)	<u>Display Control and Generation</u> Display request Format Display request	488 546 488	<u>Display</u> DISPLAY TACTACTDATA FILE PAGE 1 SET 1 <u>Display</u> DISPLAY TACTACTDATA OBJECT (track number) PAGE 1	816 816	Defined on page 484, Presents a display of the Tactical Action Data file, Presents a display of the Tactical Action Data file property values for the designated track number.

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DBD 13 DBD 13 (Base)	<u>Display Control and Generation</u> Display request	488	<u>Display</u> DISPLAY BASEMUNSTAT FILE PAGE 1 SET 1	816	Defined on page 484. Presents a display of the Tactical Base Munitions Status file.
	Format	548			
	Display request	488	<u>Display</u> DISPLAY BASEMUNSTAT OBJECT (base designator) PAGE 1	816	Presents a display of the Tactical Base Munitions Status file property values for the designated base.
DBD 14	<u>Display Control and Generation</u> Display request	488	<u>Display</u> DISPLAY TACUNITSTAT FILE PAGE 1 SET 1	816	Defined on page 484. Presents a display of the Tactical Unit Status file.
	Format	550			
DBD 15	<u>Display Control and Generation</u> Display request	488	<u>Display</u> DISPLAY TACSFACTSTAT FILE PAGE 1 SET 1	816	Defined on page 484, Presents a display of the TACS Facility Status file.
	Format	547			
DBD 16 DBD 16 (Target No)	<u>Display Control and Generation</u> Display request	488	<u>Display</u> DISPLAY TARGET FILE PAGE 1 SET 1	816	Defined on page 484. Presents a display of the Target file.
	Format	552			
	Display request	488	<u>Display</u> DISPLAY TARGET OBJECT (target number) PAGE 1	816	Presents a display of the Target file property values for the designated target number.

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DBD 17	<u>Display Control and Generation</u> Display request Format Display request	488 553 488	<u>Display</u> DISPLAY TRACKDATA FILE PAGE 1 SET 1 <u>Display</u> DISPLAY TRACKDATA OBJECT (track number) PAGE 1	816 816	Defined on page 484. Presents a display of the Track Data file. Presents a display of the Track Data file property values for the designated track number.
DBD 18 (Unit)	<u>Display Control and Generation</u> Display request Format	488 558- 559	<u>Display</u> DISPLAY (unit)MSN FILE PAGE 1 SET 1	816	Defined on page 484. Presents a display of the Mission file for the designator unit.
DBD 19 (Unit//)	<u>Display Control and Generation</u> Display request Format Display request	488 556 488	<u>Display</u> DISPLAY UNITPLAN FILE PAGE 1 SET 1 <u>Display</u> DISPLAY UNITPLAN OBJECT (unit designator) PAGE 1	816 816	Defined on page 484. Presents a display of the Unit Planning file. Presents a display of the Unit Planning file property values for the designated unit.

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DED ABTR	<u>Input Message Processing</u> Request blank Data Entry Display	50	<u>Display</u> ENTER ABTR ABORT REPORT	817	Defined on page 482 . Abort Report format for Manual message entry. Defined on pages 50 and 292 .
ENTER ABTR ABORT REPORT	<u>Input Message Processing</u> Enter a manual input message	50	<u>Notification</u> INPUT COMPLETE or <u>Notification</u> ERROR	836	Enters the manual Abort Report upon transmission of the executed message content. Returns the erroneous DED to operator for correction.
DED ACAQ	<u>Input Message Processing</u> Request blank Data Entry Display	78	<u>Display</u> MULTI ACAQ JOINT TAC AIR REQ	821	Defined on page 483 . Joint Tactical Air Request format for manual message entry.
DED ACAQ (Req No)	Request Data Entry Display with inserted data for designated request number				
MULTI ACAQ JOINT TAC AIR REQ	<u>Input Message Processing</u> Enter a manual input message (part 1)	78	<u>Notification</u> INPUT COMPLETE or <u>Notification</u> ERROR	836	Defined on pages 78 and 309-310 . Enters the manual Joint Tactical Air Request upon transmission of the executed message content.
MULTI ACAQ2 JOINT TAC AIR REQ	Enter a manual input message (part 2)			833	Returns the erroneous DED to operator for correction.

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DED ADEL AIR DELAY REPORT	<u>Input Message Processing</u> Request blank Data Entry Display	56	<u>Display</u> ENTER ADEL AIR DELAY REPORT	817	<u>Defined on page 482.</u> Air Delay Report format for manual message entry. <u>Defined on pages 56 and 295.</u>
ENTER ADEL AIR DELAY REPORT	<u>Input Message Processing</u> Enter a manual input message	56	<u>Notification</u> INPUT COMPLETE or <u>Notification</u> ERROR	836	Enters the manual Air Delay Report upon transmission of the executed message content. Returns the erroneous DED to operator for correction.
DED ADFS DED ADFS (unit) ENTER ADFS AIR DEFENSE FIGHTER STATUS REPORT	<u>Input Message Processing</u> Request blank Data Entry Display Request Data Entry Display with inserted data for designated unit. <u>Input Message Processing</u> Enter a manual input message	52	<u>Display</u> ENTER ADFS AIR DEFENSE FIGHTER STATUS REPORT <u>Notification</u> INPUT COMPLETE or <u>Notification</u> ERROR	817 836	<u>Defined on page 483.</u> Air Defense Fighter Status Report format for manual message entry. <u>Defined on pages 52 and 293.</u> Enters the manual Air Defense Fighter Status Report upon transmission of the executed message content. Returns the erroneous DED to operator for correction.

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DED ADMS ENTER ADMS AIR DEFENSE SCRAMBLE REPORT	<p><u>Input Message Processing</u> Request blank Data Entry Display</p> <p><u>Input Message Processing</u> Enter a manual input message</p>	54	<p><u>Display</u> ENTER ADMS AIR DEFENSE SCRAMBLE REPORT</p> <p><u>Notification</u> INPUT COMPLETE</p> <p>or <u>Notification</u> ERROR</p>	817	<p>Defined on page 481.</p> <p>Air Defense Scramble Report format for manual message entry.</p> <p>Defined on pages 54 and 294.</p> <p>Enters the manual Air Defense Scramble Report upon transmission of the executed message content.</p>
DED AFFS MULTI AFFS AIRFIELD & FLIGHT FACILITY STATUS REPORT	<p><u>Input Message Processing</u> Request blank Data Entry Display</p> <p>Request data entry display with inserted data for designated base</p> <p><u>Input Message Processing</u> Enter a manual input message (part 1).</p>	60	<p><u>Display</u> MULTI AFFS AIRFIELD & FLIGHT FACILITY STATUS REPORT</p> <p><u>Notification</u> INPUT COMPLETE</p> <p>or <u>Notification</u> ERROR</p>	822	<p>Defined on page 483.</p> <p>Airfield and Flight Facility Status Report format for manual message entry</p>
MULTI AFFS2 AIRFIELD & FLIGHT FACILITY STATUS REPORT	<p><u>Input Message Processing</u> Enter a manual input message (part 2).</p>	60	<p><u>Notification</u> INPUT COMPLETE</p> <p>or <u>Notification</u> ERROR</p>	836	<p>Defined on pages 60 and 298-299.</p> <p>Enters the manual Airfield and Flight Facility Status Report upon transmission of the executed message content.</p>
				833	<p>Returns the erroneous DED to operator for correction.</p>
				833	<p>Returns the erroneous DED to operator for correction.</p>

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DED AIDR ENTER AIDR AIRCRAFT IN DISTRESS REPORT	<u>Input Message Processing</u> Request blank Data Entry Display <u>Input Message Processing</u> Enter a manual input message	58 58	<u>Display</u> ENTER AIDR AIRCRAFT IN DISTRESS REPORT <u>Notification</u> INPUT COMPLETE or <u>Notification</u> ERROR	817 836 833	<u>Defined on page 481.</u> Aircraft in Distress Report format for manual message entry. <u>Defined on pages 58 and 297.</u> Enters the manual Aircraft in Distress Report upon transmission of the executed message content. Returns the erroneous DED to operator for correction.
DED ARSQ DED ARSQ (Req No) MULTI ARSQ JOINT TAC AIR RECCE/SURVEILLANCE REQ	<u>Input Message Processing</u> Request blank Data Entry Display Request a Data Entry Display with inserted data for the designated request number <u>Input Message Processing</u> Enter a manual input message (part 1) Enter a manual input message (part 2)	83 83	<u>Display</u> MULTI ARSQ JOINT TAC AIR RECCE/SURVEILLANCE REQ <u>Notification</u> INPUT COMPLETE or <u>Notification</u> ERROR	822 836 833	<u>Defined on page 483.</u> Joint Tactical Air RECCE/Surveillance Request format for manual message entry. <u>Defined on pages 83 and 307-308.</u> Enters the manual Joint Tactical Air RECCE/Surveillance Request upon transmission of the executed message content. Returns the erroneous DED to operator for correction.

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OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DED ASVD	<u>Input Message Processing</u> Request blank Data Entry Display	62	<u>Display</u> ENTER ASVD AIR SURVEILLANCE DATA REPORT	817	<u>Defined on page 481.</u> Air Surveillance Data Report format for manual message entry.
ENTER ASVD AIR SURVEILLANCE DATA REPORT	<u>Input Message Processing</u> Enter a manual input message	62	<u>Notification</u> INPUT COMPLETE or <u>Notification</u> ERROR	836	<u>Defined on pages 62 and 296.</u> Enters the manual Air Surveillance Data Report upon transmission of the executed message content.
DED BSDA	<u>Display Control and Generation</u> Requests a blank display of the Build Schedule Action.	352	<u>Display</u> BUILD SCHEDULE DISPLAY ACTION (parameters)	812	<u>Defined on page 485.</u> Presents the blank display format for operator insertion of "Build Schedule" parameters.
DED CANX	<u>Input Message Processing</u> Request blank Data Entry Display	64	<u>Display</u> ENTER CANX CANCELLA- TION REQUEST	817	<u>Defined on page 482.</u> Cancellation Request format for manual message entry.
ENTER CANX CANCELLA- TION REQUEST	<u>Input Message Processing</u> Enter a manual input message	64	<u>Notification</u> INPUT COMPLETE or <u>Notification</u> ERROR	836	<u>Defined on pages 64 and 300.</u> Enters the manual Cancellation Request upon transmission of the executed message content.
				833	Returns the erroneous DED to operator for correction.

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OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DED CCRS	<u>Mission Adjustment</u> Display request processing	128, 175	Display CRSD CAS CANDIDATE CAS REQUIREMENTS SELECTION	815	<u>Defined on page 480.</u> Presents a blank display format for operator action requesting Candidate CAS Requirements Selection processing.
CRSD CAS CANDIDATE CAS REQUIREMENTS SELECTION	Candidate requirements selection <u>Mission Adjustment</u> Candidate requirements selection	128 181	Display CANDIDATE CAS REQUIRE- MENTS and/or <u>Notification</u> as required	812	<u>Defined on pages 145 and 322.</u> Initiates Candidate Requirements Selection processing for CAS requirements.
DED CFMS	<u>Mission Adjustment</u> Display request processing	128, 175	Display CMSD CANDIDATE FIGHTER MISSIONS SELECTION	814	<u>Defined on page 480.</u> Presents a blank display format for operator action requesting Candidate Fighter Mission Selection processing.
CMSD CANDIDATE FIGHTER MISSIONS SELECTION	Candidate mission selection <u>Mission Adjustment</u> Candidate mission selection	129, 186 185	Display CANDIDATE FIGHTER MISSIONS and/or <u>Notification</u> as required	812	<u>Defined on pages 146 and 328.</u> Initiates Candidate Mission Selection processing for fighter missions.

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OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DED CFSD	<u>Mission Adjustment</u> Display request processing Candidate mission selection	128, 175	<u>Display</u> CMSD CANDIDATE FIGHTER MISSION SCHEDULE DISPLAY REQUEST	814	<u>Defined on page 480.</u> Presents a blank display format for operator action requesting a Candidate Fighter Mission Schedule Display.
CMSD CANDIDATE FIGHTER MISSION SCHEDULE DISPLAY REQUEST	<u>Mission Adjustment</u> Candidate mission selection	129, 187	<u>Display</u> CANDIDATE FIGHTER MISSION SCHEDULE	812	<u>Defined on pages 146 and 334.</u> Initiate Candidate Mission Selection Processing for the development of a Candidate Fighter Mission Schedule Display.
DED CRMS	<u>Mission Adjustment</u> Display request processing Candidate mission selection	128, 175	and/or <u>Notification</u> as required		<u>Defined on page 480.</u>
CMSD CANDIDATE RECCE MISSIONS SELECTION	<u>Mission Adjustment</u> Candidate mission selection	129, 187	<u>Display</u> CMSD CANDIDATE RECCE MISSIONS SELECTION	815	Presents a blank display format for operator action requesting Candidate RECCE Mission Selection Processing. <u>Defined on pages 146 and 331.</u>
	<u>Mission Adjustment</u> Candidate mission selection	185	<u>Display</u> CANDIDATE RECCE MISSIONS and/or <u>Notifications</u> as required	813	Initiates Candidate Mission Selection processing for RECCE missions.

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OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DED CRRS	<u>Mission Adjustment</u> Display request processing	128, 175	<u>Display</u> CRSD RECCE CANDIDATE RECCE REQUIREMENTS SELECTION	815	<u>Defined on page 480.</u> Presents a blank display format for operator action requesting Candidate RECCE Requirements Selection processing.
CRSD RECCE CANDIDATE RECCE REQUIREMENTS SELECTION	Candidate mission selection <u>Mission Adjustment</u> Candidate requirements selection	128 181	<u>Display</u> CANDIDATE RECCE REQUIREMENTS and/or <u>Notifications</u> as required	813	<u>Defined on pages 146 and 324.</u> Initiates Candidate Requirements Selection processing for RECCE requirements.
DED CRSD	<u>Mission Adjustment</u> Display request processing	128, 175	<u>Display</u> CRSD CANDIDATE RECCE MISSION SCHEDULE DIS- PLAY REQUEST	814	<u>Defined on page 480.</u> Presents a blank display format for operator action requesting a Candidate RECCE Mission Schedule Display.
CRSD CANDIDATE RECCE MISSION SCHEDULE DIS- PLAY REQUEST	Candidate mission selection <u>Mission Adjustment</u> Candidate mission selection	129, 188 185	<u>Display</u> CANDIDATE RECCE MISSION SCHEDULE and/or <u>Notifications</u> as required	813	<u>Defined on pages 146 and 336.</u> Initiates Candidate Mission Selection processing for the development of a Candidate RECCE Mission Schedule Display.

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OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DED CTRS	<u>Mission Adjustment</u> Display request processing	128, 175	<u>Display</u> CRSD TGT CANDIDATE TARGET REQUIREMENTS SELECTION	815	Defined on page 480. Presents a blank display format for operator action requesting Candidate Target Requirement Selection processing.
CRSD TGT CANDIDATE TARGET REQUIREMENTS SELECTION	Candidate requirements selection <u>Mission Adjustment</u> Candidate requirements selection	128 181	<u>Display</u> CANDIDATE TARGET REQUIREMENTS and/or <u>Notifications</u> as required	813	Defined on pages 146 and 326. Initiates Candidate Requirements Selection processing for Target requirements.
DED DBDA	<u>Display Control and Generation</u> Request a user options list containing the Data Base Display Requests.	477	<u>Display</u> DATA BASE DISPLAYS	815	Defined on page 479. This display contains light pen selectable operator actions for Data Base Displays.

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OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DED DPRT ENTER DPRT DOWNED PILOT REPORT	<u>Input Message Processing</u> Request blank Data Entry Display <u>Input Message Processing</u> Enter a manual input message.	66 66	<u>Display</u> ENTER DPRT DOWNED PILOT REPORT <u>Notification</u> INPUT COMPLETE or <u>Notification</u> ERROR	817 836 833	Defined on page 481. Downed Pilot Report format for manual message entry. Defined on pages 66 and 301. Enters the manual Downed Pilot Report upon transmission of the executed message content. Returns the erroneous DED to operator for correction.
DED FPAD	<u>Mission Adjustment</u> Display request processing Fighter planning/adjustment Display request processing	128, 175, 176 129 128, 175, 176	<u>Display</u> FPAD FIGHTER PLANNING ADJUSTMENT <u>Display</u> FPAD FIGHTER PLANNING ADJUSTMENT	819 819	Defined on page 480. Presents a blank display format for operator action requesting Fighter Planning/Adjustment processing. Presents a display format for operator action requesting Fighter Planning/Adjustment processing. Data associated with the designated mission, target or requirement number is inserted in the display.
DED FPAD (Msn No/Tgt No/Req No)	Fighter planning/adjustment Display request processing	129			
FPAD FIGHTER PLANNING ADJUSTMENT	Fighter planning/adjustment <u>Mission Adjustment</u> Fighter planning/adjustment	199	<u>Display</u> MISSION NO (Mission number) and/or <u>Notification</u> as required	821	Defined on pages 149 and 338. Initiates Fighter Planning/Adjustment processing. The resulting mission display is presented in Fighter Mission format.

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DED GDEL	<u>Input Message Processing</u> Request blank Data Entry Display	68	<u>Display</u> ENTER GDEL GROUND DELAY REPORT	817	Defined on page 482. Ground Delay Report format for manual message entry.
ENTER GDEL GROUND DELAY REPORT	<u>Input Message Processing</u> Enter a manual input message	68	Notification INPUT COMPLETE or <u>Notification</u> ERROR	836	Defined on pages 68 and 302. Enters the manual Ground Delay Report upon transmission of the executed message content.
DED ICSM	<u>Input Message Processing</u> Request blank Data Entry Display	70	<u>Display</u> ENTER ICSM IMMEDIATE CAS SCRAMBLE REPORT	817	Returns the erroneous DED to operator for correction. Defined on page 482.
ENTER ICSM IMMEDIATE CAS SCRAMBLE REPORT	<u>Input Message Processing</u> Enter a manual input message	70	<u>Notification</u> INPUT COMPLETE or <u>Notification</u> ERROR	836	Immediate Close Air Support Scramble Report format for manual message entry. Defined on pages 70 and 303. Enters the manual Immediate Close Air Support Scramble Report upon transmission of the executed message content.
				833	Returns the erroneous DED to operator for correction.

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DED INFR ENTER INFR INFLIGHT REPORT	<u>Input Message Processing</u> Request blank Data Entry Display <u>Input Message Processing</u> Enter a manual input message	76	<u>Display</u> ENTER INFR INFLIGHT REPORT <u>Notification</u> INPUT COMPLETE or <u>Notification</u> ERROR	817	Defined on page 482. Inflight Report format for manual message entry. Defined on pages 76 and 305. Enters the manual Inflight Report upon transmission of the executed message content.
DED IRSM ENTER IRSM IMMEDIATE RECCE SCRAMBLE REPORT	<u>Input Message Processing</u> Request blank Data Entry Display <u>Input Message Processing</u> Enter a manual input message	73	<u>Display</u> ENTER IRSM IMMEDIATE RECCE SCRAMBLE REPORT <u>Notification</u> INPUT COMPLETE or <u>Notification</u> ERROR	817	Defined on page 482. Immediate RECCE Scramble Report format for manual message entry. Defined on pages 73 and 304. Enters the manual Immediate RECCE Scramble Report upon transmission of the executed message content.
				833	Returns the erroneous DED to operator for correction.

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DED LDGR ENTER LDGR LANDING REPORT	<p><u>Input Message Processing</u> Request blank Data Entry Display</p> <p><u>Input Message Processing</u> Enter a manual input message</p>	89	<p><u>Display</u> ENTER LDGR LANDING REPORT</p> <p><u>Notification</u> INPUT COMPLETE</p> <p>or</p> <p><u>Notification</u> ERROR</p>	817	<p>Defined on page 482.</p> <p>Landing Report format for manual message entry.</p> <p>Defined on pages 89 and 311.</p> <p>Enters the manual Landing Report upon transmission of the executed message content.</p>
DED MSNA	<p><u>Display Control and Generation</u> Request a user options list containing Mission Adjustment operator actions</p>	477	<p><u>Display</u> MISSION ADJUSTMENT</p>	820	<p>Defined on page 479.</p> <p>This display contains light pen selectable operator action for control of the Mission Adjustment functions</p>
DED MSNR	<p><u>Display Control and Generation</u> Request a user options list containing Data Entry Display operator requests for Mission Reports</p>	477	<p><u>Display</u> MISSION REPORTS</p>	821	<p>Defined on page 479.</p> <p>This display contains light pen selectable operator actions to retrieve Data Entry Displays for manual insertion of Mission Report.</p>

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DED ONSR ENTER ONSR ON STATION REPORT	<p><u>Input Message Processing</u> Request blank Data Entry Display</p> <p><u>Input Message Processing</u> Enter a manual input message</p>	91	<p><u>Display</u> ENTER ONSR ON STATION REPORT</p> <p><u>Notification</u> INPUT COMPLETE</p> <p>or</p> <p><u>Notification</u> ERROR</p>	817	<p>Defined on page 483.</p> <p>On-Station Report format for manual message entry.</p> <p>Defined on pages 91 and 312.</p> <p>Enters the manual On-Station Report upon transmission of the executed message content.</p> <p>Returns the erroneous DED to operator for correction.</p>
DED OPRA	<p><u>Display Control and Generation</u> Request a user options list containing miscellaneous operator actions</p>	477	<p><u>Display</u> OPERATOR ACTIONS</p>	822	<p>Defined on page 479.</p> <p>This display contains light pen selectable operator actions.</p>
DED PRAD ENTER PRAD AIRCRAFT IN DISTRESS POSITIONS REPORT	<p><u>Input Message Processing</u> Request blank Data Entry Display</p> <p><u>Input Message Processing</u> Enter a manual input message</p>	93	<p><u>Display</u> ENTER PRAD AIRCRAFT IN DISTRESS POSITIONS REPORT</p> <p><u>Notification</u> INPUT COMPLETE</p> <p>or</p> <p><u>Notification</u> ERROR</p>	818	<p>Defined on page 481.</p> <p>Aircraft in Distress Position Report format for manual message entry.</p> <p>Defined on pages 93 and 313.</p> <p>Enters the manual Aircraft in Distress Position Report upon transmission of the executed message content.</p> <p>Returns the erroneous DED to operator for correction.</p>

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DED REFR	<u>Input Message Processing</u> Request blank Data Entry Display	95	<u>Display</u> ENTER REFR REFUELING REPORT	818	<u>Defined on page 483.</u> Refueling Report format for manual message entry. <u>Defined on pages 95 and 314.</u>
ENTER REFR REFUELING REPORT	<u>Input Message Processing</u> Enter a manual input message	95	<u>Notification</u> INPUT COMPLETE <u>or</u> <u>Notification</u> ERROR	836 833	Enters the manual Refueling Report upon transmission of the executed message content. Returns the erroneous DED to operator for correction.
DED RPAD	<u>Mission Adjustment</u> Display request processing	128, 175, 178	<u>Display</u> RPAD RECCE PLANNING ADJUSTMENT	824	<u>Defined on page 480.</u> Presents a blank display format for operator action requesting RECCE Planning Adjustment processing.
DED RPAD (Msn No)	RECCE planning/adjustment Display request processing	129 128, 175, 178	<u>Display</u> RPAD RECCE PLANNING ADJUSTMENT	824	Presents a display format for operator action requesting RECCE Planning/Adjustment processing. Data associated with the designated mission number is inserted in the display.
RPAD RECCE PLANNING ADJUSTMENT	RECCE planning/adjustment <u>Mission Adjustment</u> RECCE planning/adjustment	129 207	<u>Display</u> MISSION NO (Mission number) <u>and/or</u> <u>Notification</u> as required	821	<u>Defined on pages 151 and 341.</u> Initiates RECCE Planning/Adjustment processing. The resulting mission display is presented in RECCE Mission format.

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OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DED RSIR	<u>Input Message Processing</u> Request blank Data Entry Display	87	<u>Display</u> ENTER RSIR JOINT TAC AIR RECCE/SURVEILLANCE INFLIGHT REPORT	818	Defined on page 482, Joint Tactical Air RECCE/Surveillance Inflight Report format for manual message entry. Defined on pages 87 and 306.
ENTER RSIR JOINT TAC AIR RECCE/SURVEILLANCE INFLIGHT REPORT	<u>Input Message Processing</u> Enter a manual input message	87	<u>Notification</u> INPUT COMPLETE or <u>Notification</u> ERROR	836	Enters the manual Joint Tactical Air RECCE/Surveillance Inflight Report upon transmission of the executed message content.
DED RSTR	<u>Display Control and Generation</u> Request a user options list containing manual input format requests for miscellaneous Requests, Tanker Reports and Status Reports	477	<u>Display</u> REQUESTS	824	Returns the erroneous DED to operator for correction. Defined on page 479, This display contains light pen selectable operator actions for requesting blank manual entry display formats.
DED SADR	<u>Display Control and Generation</u> Request a user options list containing manual input format requests for SAR and Air Defense Reports	477	<u>Display</u> SAR REPORTS	824	Defined on page 479. This display contains light pen selectable operator actions for requesting blank manual entry display formats.

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OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DED SMPD	<p><u>Mission Adjustment</u> Display request processing</p> <p>Support mission planning</p> <p><u>Mission Adjustment</u> Support mission planning</p>	<p>128, 175</p> <p>130</p> <p>213</p>	<p><u>Display</u> SMPD SUPPORT MISSION PLANNING</p> <p><u>Display</u> MISSION NO (Mission number)</p> <p>and/or <u>Notification</u> as required</p>	<p>824</p> <p>821</p>	<p>Defined on page 480.</p> <p>Presents a blank display format for operator action requesting Support Mission Planning processing.</p> <p>Defined on pages 152 and 344.</p> <p>Initiates Support Mission Planning processing. The resulting mission display is presented in RECCE format for EW missions and Fighter format for CAP and ESCORT missions.</p>
DED SMPR	<p><u>Input Message Processing</u> Request blank Data Entry Display</p> <p><u>Input Message Processing</u> Enter a manual input message</p>	<p>100</p> <p>100</p>	<p><u>Display</u> ENTER SMPR SAR POSITION REPORT</p> <p><u>Notification</u> INPUT COMPLETE</p> <p>or <u>Notification</u> ERROR</p>	<p>818</p> <p>836</p> <p>833</p>	<p>Defined on page 481.</p> <p>Search and Rescue Position Report format for manual message entry.</p> <p>Defined on pages 100 and 315.</p> <p>Enters the manual Search and Rescue Position Report upon transmission of the executed message content.</p> <p>Returns the erroneous DED to operator for correction.</p>

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OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DED SMRR ENTER SMRR SAR PRDG- RESS REPORT	<u>Input Message Processing</u> Request blank Data Entry Display	102	<u>Display</u> ENTER SMRR SAR PROG- RESS REPDRT	818	<u>Defined on page 481.</u> Search and Rescue Progress Report format for manual message entry. <u>Defined on pages 102 and 316.</u>
	<u>Input Message Processing</u> Enter a manual input message	102	<u>Notification</u> INPUT COMPLETE or <u>Notification</u> ERROR	836	Enters the manual Search and Rescue Progress Report upon transmission of the executed message content.
DED SRAD	<u>Mission Adjustment</u> Display request processing	128, 175	<u>Display</u> SRAD SAR ASSIGNMENT	825	<u>Defined on page 479.</u> Presents a blank display format for operator action requesting SAR Assignment processing.
SRAD SAR ASSIGNMENT	SAR assignment <u>Mission Adjustment</u> SAR Assignment	132 245	<u>Notification</u> SAR ASSIGNMENT COMPLETED <u>Printout</u> This action will cause a Search and Rescue Frag Order Adjustment upon the next "PREPARE FRAG" action and/or <u>Notification</u> as required	840 830	<u>Defined on pages 154 and 347.</u> Initiates SAR Assignment processing.

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DED TAAD ENTER TAAD TACTICAL ACTION DATA REPORT	<p><u>Input Message Processing</u> Request blank Data Entry Display</p> <p><u>Input Message Processing</u> Enter a manual input message</p>	106	<p>Display ENTER TAAD TACTICAL ACTION DATA REPORT</p> <p><u>Notification</u> INPUT COMPLETE</p> <p>or <u>Notification</u> ERROR</p>	818	<p>Defined on page 481.</p> <p>Tactical Action Data Report format for manual message entry.</p> <p>Defined on pages 106 and 318.</p> <p>Enters the manual Tactical Action Data Report upon transmission of the executed message content.</p> <p>Returns the erroneous DED to operator for correction.</p>
DED TAUS DED TAUS (Unit) ENTER TAUS TACTICAL UNIT STATUS REPORT	<p><u>Input Message Processing</u> Request blank Data Entry Display</p> <p>Request a Data Entry Display with data inserted for the designated unit.</p> <p><u>Input Message Processing</u> Enter a manual input message</p>	109	<p>Display ENTER TAUS TACTICAL UNIT STATUS REPORT</p> <p><u>Notification</u> INPUT COMPLETE</p> <p>or <u>Notification</u> ERROR</p>	818	<p>Defined on page 483.</p> <p>Tactical Unit Status Report format for manual message entry.</p> <p>Defined on pages 109 and 319.</p> <p>Enters the manual Tactical Unit Status Report upon transmission of the executed message content.</p> <p>Returns the erroneous DED to operator for correction.</p>

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DED TFAS DED TFAS (Unit) ENTER TFAS TACS FACILITY STATUS REPORT	<p><u>Input Message Processing</u> Request blank Data Entry Display</p> <p>Request a Data Entry Display with data inserted for the designated unit.</p> <p><u>Input Message Processing</u> Enter a manual input message</p>	104	<p><u>Display</u> ENTER TFAS TACS FACILITY STATUS REPORT</p> <p><u>Notification</u> INPUT COMPLETE</p> <p><u>or</u> <u>Notification</u> ERROR</p>	818	<p><u>Defined on page 483.</u></p> <p>TACS Facility Status Report format for manual message entry.</p> <p><u>Defined on pages 104 and 317.</u></p> <p>Enters the manual TACS Facility Status Report upon transmission of the executed message content.</p> <p>Returns the erroneous DED to operator for corrections.</p>
DED TKOR ENTER TKOR TAKEOFF REPORT	<p><u>Input Message Processing</u> Request blank Data Entry Display</p> <p><u>Input Message Processing</u> Enter a manual input message</p>	112	<p><u>Display</u> ENTER TKOR TAKEOFF REPORT</p> <p><u>Notification</u> INPUT COMPLETE</p> <p><u>or</u> <u>Notification</u> ERROR</p>	818	<p><u>Defined on page 482.</u></p> <p>Takeoff Report format for manual message entry.</p> <p><u>Defined on pages 112 and 320.</u></p> <p>Enters the manual Takeoff Report upon transmission of the executed message content.</p> <p>Returns the erroneous DED to operator for correction.</p>

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
DISPLAY (file name) PAGE 1 SET 1	<u>Display Control and Generation</u> Display request	487	Display DISPLAY (file name) FILE PAGE 1 SET 1	816	Defined on page 485. This is the standard TSDT System display request for presentation of Data Base file data for all file objects.
DISPLAY (file name) OBJECT (Object name) PAGE 1	<u>Display Control and Generation</u> Display request	488	Display DISPLAY (File name) OBJECT (Object name) PAGE 1	816	Defined on page 485. This is the standard TSDT System display request for presentation of data base file data for the designated object value.
DISPLAY (File name) PROP (Property name) PAGE 1	<u>Display Control and Generation</u> Display request	485	Display DISPLAY (Filename) PROP (Property name) PAGE 1	816	Defined on page 485. This is the standard TSDT System display request for presentation of data base file data for the designated property.
ENTER XXXXX	"See corresponding action-DED XXXXX"				Operator actions of this format are associated with the manual entry of input message data. They are listed with the operator action required to display the blank message format DED.
FPAD FIGHTER PLANNING ADJUSTMENT	See "DED FPAD"				Defined on page 789.

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
INITIATE TSDT	<u>System Control</u> Review status of system control parameters	23-26	Display INITIATE REVISE TSDT STATUS	819	Defined on page 485. Displays current system operating parameters. Defined on page 476. Changes system operating parameters upon transmission of revised display.
INITIATE REVISE TSDT STATUS	<u>System Control</u> Assign operational subfunctions to operator positions Specify initial or revised system simulation time. Specify operating frequency of system simulation functions Specify operating frequency of system monitoring functions	23 25+33 25 25	Controls the distribution of system responses Controls the reading of simulated messages. Controls the interval between simulated message reads. Controls the interval between executions of the monitor functions.		
MSN PAGE (n)	<u>Display Control and Generation</u> Display request RECCE missions Fighter missions Refueling missions SAR missions	381 381 398 415 419	Display MISSION NO (Mission number)	821	Defined on page 485. Presents page (n) of the Mission Display generated by the last active "BUILD MISSION" action.
OPTIONS	<u>Display Control and Generation</u> Request the top level user options list		Display OPTIONS	822	Defined on page 479. This display contains light pen selectable operator actions for selection of the detailed user options list.

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
PREPARE FRAG	<u>Message Preparation</u> Frag generation	247, 249	<u>Printout</u> ADJUSTMENT TO FRAG ORDER	830	Defined on pages 480 and 485. This action causes transmission (printout) of Frag Order Adjustments for all missions marked for transmission since the last PREPARE FRAG (or PPERARE SAR FRAG) action.
PREPARE SAR FRAG	<u>Message Preparation</u> Frag generation	247, 249	<u>Printout</u> ADJUSTMENT TO FRAG ORDER	830	Defined on pages 481 and 485. This action causes transmission (printout) of Frag Order Adjustments for all SAR missions marked for transmission since the last PREPARE SAR FRAG (or PREPARE FRAG) action.
PRINT	<u>Display Control and Generation</u> Requests printing of the contents of the display surface on the user station printer.		<u>User Station Printout</u> Contents of the display surface.		
RPAD RECCE PLANNING ADJUSTMENT	See "DED RPAD"				Defined on page 794.
SCHED PAGE (n) SET (m)	<u>Display Control and Generation</u> RECCE/EW schedules Fighter schedules	355 362	RECCE MISSION SCHEDULE IRECCE MISSION SCHEDULE PRECCE MISSION SCHEDULE EW MISSION SCHEDULE FIGHTER MISSION SCHEDULE PFIGHTER MISSION SCHEDULE CAS MISSION SCHEDULE	823 820 823 819 819 823 814	Defined on page 485. Presents page (n), set (m) of the Mission Schedule Display generated by the last active "BUILT SCHEDULE DISPLAY ACTION".

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
			ICAS MISSION SCHEDULE PCAS MISSION SCHEDULE IN/CA MISSION SCHEDULE ESCORT MISSION SCHEDULE CAP MISSION SCHEDULE	819 823 820 818 814	
	Refueling schedules	371	REFUELING MISSION SCHEDULE	823	
	SAR Schedule	376	SEARCH AND RESCUE MISSION SCHEDULE	824	
SMPD SUPPORT MISSION PLANNING	See "DED SMPD"				Defined on page 796.
SRAD SAR ASSIGNMENT	See "DED SRAD"				Defined on page 797.
OPERATOR NOTES:					

OPERATOR ACTION	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	SYSTEM RESPONSE	PAGE	REMARKS
<u>OPERATOR NOTES:</u>					

OPERATOR ACTION <u>OPERATOR NOTES:</u>	
SYSTEM FUNCTION/OPERATIONAL ACTIVITY	
PAGE	
SYSTEM RESPONSE	
PAGE	
REMARKS	

OPERATOR ACTION	OPERATOR NOTES:
SYSTEM FUNCTION/OPERATIONAL ACTIVITY	
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OPERATOR ACTION <u>OPERATOR NOTES:</u>	
SYSTEM FUNCTION/OPERATIONAL ACTIVITY	
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SYSTEM RESPONSE	
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REMARKS	

5.3 SYSTEM RESPONSES

5.3.1 Introduction to the Response Catalogs

The following sections present the system responses that are available to an operator in the CUROPS mode. These responses include displays, one line operator notifications presented on the display surface, user station printer outputs and system printer outputs associated with the functional processing of the CUROPS mode. For each response listed, the catalog also identifies the actions or other causes that generate the response, the functional or operator activities associated with the response and additional remarks defining the response. Each column of the catalog forms are discussed in greater detail below.

5.3.1.1 System Response

This column of the form contains the system response or response title as it will appear on the display surface or printers. The catalog presentations for each response type are discussed below.

5.3.1.1.1 Displays

This class of system response includes all full or partial page displays normally presented on the user station display surface. These displays can also be presented on the user station printer in response to the "PRINT" action and in selected cases can be requested for direct presentation on the printer (i.e., BUILD SCHEDULE and BUILD MISSION via the print parameters in these actions).

The display class of system response has been cataloged separately in Section 5.3.2 - Displays. Within this catalog the displays are presented alphabetically and are normally listed by the contents of line 4 of the display surface. Exceptions to this rule are the system data base displays which are listed by both lines 1 and 5. Multipage/set displays are listed only once as they appear for page 1/set 1. Multipart displays (i.e., the longer input message formats - MULTI XXX) have all parts listed separately.

5.3.1.1.2 Operator Notifications

This class of system response includes the notification of operator errors, processing progress or results and alert conditions requiring operator action. They are one line displays presented on line 2 of the display surface, or the user station printer in cases where conflicts in line 2 are likely to occur (e.g., a processing notification when processing has not been terminated).

Operator notifications are cataloged alphabetically in Section 5.3.3 - Alerts, Notifications and Printer Outputs.

5.3.1.1.3 Printer Outputs

This class of system response includes alerts, input message printouts and Frag Order adjustments. Frag Order adjustments are presented on the system printer while all remaining printer outputs are presented at the user stations.

Alerts are listed as they will appear on the printed page, input message printouts are noted with the associated alert entry and the Frag Order adjustments are listed under the title ADJUSTMENT TO FRAG ORDER. All printer outputs are listed alphabetically with the operator notifications in Section 5.3.3.

5.3.1.2 System Function/Operational Activity - Page

These columns of the form contain identification of the system functions or operator activities supported by the response. This data and the associated page references provide a cross-reference index to Volume I of the specification where additional descriptive data may be found.

5.3.1.3 Action or Other Cause - Page

These columns of the form contain identification of the operator actions or system processing that generate the response. The page references provide a cross-reference index to the operator action catalog (Section 5.2.2 - Action Catalog) or the basic specification where detailed descriptions of the actions or processing may be found.

5.3.1.4 Remarks

This column of the form contains additional descriptive data defining the response and normally contains the primary specification reference for the response.

5.3.2 Displays

The following pages present each of the full or partial page displays available to the operator in the CUROPS mode of TSDST operation.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
BUILD SCHEDULE DISPLAY ACTION	<u>Display Control and Generation</u> RECCE/EW schedules	356	<u>Action</u> DED BSDA	784	Defined on page 486. This is a two way display providing the format for the "BUILD SCHEDULE" operator action.
	Fighter schedules	362			
	Refueling schedules	371			
	SAR schedules	376			
CANDIDATE CAS REQUIREMENTS	<u>Mission Adjustment</u> Candidate requirements display	158	<u>Action</u> CRSD CAS CANDIDATE CAS REQUIREMENTS SELECTION	785	Defined on page 428. This display presents qualified CAS requirements that may be assigned to a designated mission resource.
	Candidate requirements selection	183			
CANDIDATE FIGHTER MISSIONS	<u>Mission Adjustment</u> Candidate mission display	159	<u>Action</u> CMSD CANDIDATE FIGHTER MISSIONS SELECTION	785	Defined on page 438. This display presents qualified Fighter missions that could satisfy a designated requirements.
	Candidate mission selection	185, 186, 191			
CANDIDATE FIGHTER MISSION SCHEDULE	<u>Mission Adjustment</u> Candidate mission schedule display	159	<u>Action</u> CMSD CANDIDATE FIGHTER MISSION SCHEDULE DISPLAY REQUEST	786	Defined on page 445. This display presents the mission schedules for Fighter missions that could satisfy a designated requirement.
	Candidate mission selection	186, 194, 197			

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
CANDIDATE RECCE MISSIONS	<u>Mission Adjustment</u> Candidate mission display	159	<u>Action</u> CMSD CANDIDATE RECCE MISSIONS SELECTION	786	Defined on page 441. This display presents qualified RECCE missions that could satisfy a designated requirement.
	Candidate mission selection	185, 186, 197			
CANDIDATE RECCE MISSION SCHEDULE	<u>Mission Adjustment</u> Candidate mission schedule display	159	<u>Action</u> CMSD CANDIDATE RECCE MISSION SCHEDULE DISPLAY REQUEST	787	Defined on page 450. This display presents the mission schedules for RECCE missions that could satisfy a designated requirement.
	Candidate mission selection	185, 194 197			
CANDIDATE RECCE REQUIREMENTS	<u>Mission Adjustment</u> Candidate requirements display	157	<u>Action</u> CRSD RECCE CANDIDATE RECCE REQUIREMENTS SELECTION	787	Defined on page 431. This display presents qualified RECCE requirements that may be assigned to a designated mission resource.
	Candidate requirements selection	182			
CANDIDATE TARGET REQUIREMENTS	<u>Mission Adjustment</u> Candidate requirements display	158	<u>Action</u> CRSD TGT CANDIDATE TARGET REQUIREMENTS SELECTION	788	Defined on page 434. This display presents qualified Target requirements that may be assigned to a designated mission resource.
	Candidate requirements selection	183			

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
CAP MISSION SCHEDULE	<u>Display Control and Generation</u> Mission schedules	362	<u>Actions</u> BUILD SCHEDULE DISPLAY ACTION or SCHED PAGE (n) SET (m)	772 802	Defined on page 364. This display presents the mission schedules for CAP missions that qualify under the parameters of the "BUILD SCHEDULE" action.
CAS MISSION SCHEDULE	<u>Display Control and Generation</u> Mission schedules	362	<u>Actions</u> BUILD SCHEDULE DISPLAY ACTION or SCHED PAGE (n) SET (m)	772 802	Defined on page 364. This display presents the mission schedules for Close Air Support missions that qualify under the parameters of the "BUILD SCHEDULE" action.
CMSD CANDIDATE FIGHTER MISSION SCHEDULE DISPLAY REQUEST	<u>Mission Adjustment</u> Processing request	163	<u>Actions</u> DED CFSD	786	Defined on page 334. This is a two way display providing the format for the operator request for a "Candidate Fighter Mission Schedule" display.
CMSD CANDIDATE FIGHTER MISSIONS SELECTION	<u>Mission Adjustment</u> Processing request	162	<u>Action</u> DED CFMS	785	Defined on page 328. This is a two way display providing the format for the operator request for a "Candidate Fighter Missions" display.
CMSD CANDIDATE RECCE MISSION SCHEDULE DISPLAY REQUEST	<u>Mission Adjustment</u> Processing request	163	<u>Action</u> DED CRSD	787	Defined on page 336. This is a two way display providing the format for the operator request for a "Candidate RECCE Mission Schedule" display.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
CMSD CANDIDATE RECCE MISSIONS SELECTION	<u>Mission Adjustment</u> Processing requests	162	<u>Action</u> DED CRMS	786	Defined on page 331. This is a two way display providing the format for the operator request for a "Candidate RECCE Missions" display.
CRSO CAS CANDIDATE CAS REQUIREMENTS SELECTION	<u>Mission Adjustment</u> Processing request	162	<u>Action</u> DED CCRS	785	Defined on page 322. This is a two way display providing the format for the operator request for a "Candidate CAS Requirements" display.
CRSD RECCE CANDIDATE RECCE REQUIREMENTS SELECTION	<u>Mission Adjustment</u> Processing request	162	<u>Action</u> OEO CRRS	787	Defined on page 324. This is a two way display providing the format for the operator request for a "Candidate RECCE Requirements" display.
CRSD TGT CANDIDATE TARGET REQUIREMENTS SELECTION	<u>Mission Adjustment</u> Processing request	162	<u>Action</u> OEO CTRS	788	Defined on page 326. This is a two way display providing the format for the operator request for a "Candidate Target Requirements" display.
DATA BASE DISPLAYS	<u>Display Control and Generation</u> User option list	484	<u>Action</u> DED DBDA	788	Defined on page 484. This display contains light pen selectable operator actions for requesting Data Base File displays.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
DISPLAY (filename) PAGE (n) SET (m) FILE	<u>Display Control and Generation</u> Data base display	487	<u>Actions</u> DBD (n) or DISPLAY (filename) FILE PAGE (n) SET (m)	774 to 779 800	Defined on page 487. This display presents data base information in standard TSDST System format.
DISPLAY (filename) OBJECT (object) PAGE (n)	<u>Display Control and Generation</u> Data base display	488	<u>Actions</u> DBD 2, DBD 4, DBD 6, DBD 7, DBD 8, DBD 9, DBD 10, DBD 11, DBD 12, DBD 13, DBD 16, DBD 17, DBD 19 or DISPLAY (filename) OBJECT (object name) PAGE (n)	774 to 779 800	Defined on page 488. This display presents data base information for a selected file object in standard TSDST System format.
DISPLAY (filename) PROP (property name) PAGE (n)	<u>Display Control and Generation</u> Data base display		<u>Action</u> DISPLAY (filename) PROP (property name) PAGE (n)	800	This display presents data base information for a selected file property in standard TSDST System format.
ENTER XXX	<u>Input Processing</u>				The following displays are two way displays containing the manual message entry formats for operator insertion of the designated message type.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
ENTER ABTR ABORT REPORT	<u>Input Processing</u>		DED ABTR	780	Defined on pages 50 and 292.
ENTER ADEL AIR DELAY REPORT	<u>Input Processing</u>		DED ADEL	781	Defined on pages 56 and 295.
ENTER ADFS AIR DEFENSE FIGHTER STATUS REPORT	<u>Input Processing</u>		DED ADFS or DED ADFS (unit)	781	Defined on pages 52 and 293.
ENTER ADMS AIR DEFENSE SCRAMBLE REPORT	<u>Input Processing</u>		DED ADMS	782	Defined on pages 54 and 294.
ENTER AIDR AIRCRAFT IN DISTRESS REPORT	<u>Input Processing</u>		DED AIDR	783	Defined on pages 58 and 297.
ENTER ASVD AIR SURVEILLANCE DATA REPORT	<u>Input Processing</u>		DED ASVD	784	Defined on pages 62 and 296.
ENTER CANX CANCELLATION REQUEST	<u>Input Processing</u>		DED CANX	784	Defined on pages 64 and 300.
ENTER DPRT DOWNED PILOT REPORT	<u>Input Processing</u>		DED DPRT	789	Defined on pages 66 and 301.
ENTER GDEL GROUND DELAY REPORT	<u>Input Processing</u>		DED GDEL	790	Defined on pages 68 and 302.
ENTER ICSM IMMEDIATE CAS SCRAMBLE REPORT	<u>Input Processing</u>		DED ICSM	790	Defined on pages 70 and 303.
ENTER INFR INFILIGHT REPORT	<u>Input Processing</u>		DED INFR	791	Defined on pages 76 and 305.
ENTER IRSM IMMEDIATE RECCE SCRAMBLE REPORT	<u>Input Processing</u>		DED IRSM	791	Defined on pages 73 and 304.
ENTER LDGR LANDING REPORT	<u>Input Processing</u>		DED LDGR	792	Defined on pages 89 and 311.
ENTER ONSR ON STATION REPORT	<u>Input Processing</u>		DED ONSR	793	Defined on pages 91 and 312.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
ENTER PRAD AIRCRAFT IN DISTRESS POSITION REPORT	<u>Input Processing</u>		DED PRAD	793	Defined on pages 93 and 313.
ENTER REFR REFUELING REPORT	<u>Input Processing</u>		DED REFR	794	Defined on pages 95 and 314.
ENTER RSIR JOINT AIR RECCE/SURVEILLANCE IN-FLIGHT REPORT	<u>Input Processing</u>		DED RSIR	795	Defined on pages 87 and 306.
ENTER SMPR SAR POSITION REPORT	<u>Input Processing</u>		DED SMPR	796	Defined on pages 100 and 315.
ENTER SMRR SAR PROGRESS REPORT	<u>Input Processing</u>		DED SMRR	797	Defined on pages 102 and 316.
ENTER TAAD TACTICAL ACTION DATA REPORT	<u>Input Processing</u>		DED TAAD	798	Defined on pages 106 and 318.
ENTER TAUS TACTICAL UNIT STATUS REPORT	<u>Input Processing</u>		DED TAUS or DED TAUS (unit)	798	Defined on pages 109 and 319.
ENTER TFAS TACS FACILITY STATUS REPORT	<u>Input Processing</u>		DED TFAS or DED TFAS (unit)	799	Defined on pages 104 and 317.
ENTER TKOR TAKEOFF REPORT	<u>Input Processing</u>		DED TKOR	799	Defined on pages 112 and 320.
ESCORT MISSION SCHEDULE	<u>Display Control and Generation</u> Mission schedules	362	<u>Actions</u> BUILD SCHEDULE DISPLAY ACTION or SCHED PAGE (n) SET (m)	772 802	Defined on page 364. This display presents the mission schedules for Escort missions that qualify under the parameters of the "BUILD SCHEDULE" action.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
EW MISSION SCHEDULE	<u>Display Control and Generation</u> Mission schedules	355	<u>Actions</u> BUILD SCHEDULE DISPLAY ACTION or SCHED PAGE (n) SET (m)	772 802	Defined on page 357. This display presents the mission schedules for Electronic Warfare missions that qualify under the parameters of the "BUILD SCHEDULE" action.
FIGHTER MISSION SCHEDULE	<u>Display Control and Generation</u> Mission schedules	362	<u>Actions</u> BUILD SCHEDULE DISPLAY ACTION or SCHED PAGE (n) SET (m)	772 802	Defined on page 364. This display presents the mission schedules for Fighter missions that qualify under the parameters of the "BUILD SCHEDULE" action.
FPAD FIGHTER PLANNING ADJUSTMENT	<u>Mission Adjustment</u> Processing request	163	<u>Actions</u> DED FPAD or DED FPAD (Msn No, Tgt No, Req No)	789 789	Defined on page 338. This is a two way display providing the format for the operator request for Fighter Planning/Adjustment processing.
ICAS MISSION SCHEDULE	<u>Display Control and Generation</u> Mission schedules	362	<u>Actions</u> BUILD SCHEDULE DISPLAY ACTION or SCHED PAGE (n) SET (m)	772 802	Defined on page 364. This display presents the mission schedules for Immediate Close Air Support missions that qualify under the parameters of the "BUILD SCHEDULE" action.
INITIATE REVISE STATUS TSDT	<u>System Control</u> Display of system operating parameters Display of Frag header parameters Display of condition/event monitoring parameters	23 23-26 248 259	Action INITIATE TSDT	801	Defined on pages 23 and 475. This display is a two way display used to review or revise system operating parameters.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
IN/CA MISSION SCHEDULE	<u>Display Control and Generation</u> Mission schedules	362	<u>Actions</u> BUILD SCHEDULE DISPLAY ACTION or SCHEO PAGE (n) SET (m)	772 802	Defined on page 364. This display presents the mission schedules for Interdiction or Counter Air missions that qualify under the parameters of the "BUILD SCHEDULE" action.
IRECCE MISSION SCHEDULE	<u>Display Control and Generation</u> Mission schedules	355	<u>Actions</u> BUILD SCHEDULE DISPLAY ACTION or SCHED PAGE (n) SET (m)	772 802	Defined on page 357. This display presents the mission schedules for Immediate RECCE missions that qualify under the parameters of the "BUILD SCHEDULE" action.
MISSION ADJUSTMENT	<u>Display Control and Generation</u> User options list	480	<u>Action</u> DED MSNA	792	Defined on page 480. This display contains light pen selectable operator actions for directing the processing of the Mission Adjustment function.
MISSION DELETED	<u>Mission Adjustment</u> Mission deletion	165, 224, 225	<u>Action</u> CANCEL (Mission number) or Processing Fighter Planning/Adjustment or RECCE Planning/Adjustment	773 199 207	Defined on page 457. This display indicates that the displayed mission has been deleted from the mission files and that an Adjustment to Frag Order will be sent by the next "PREPARE FRAG" or "PREPARE SAR FRAG" action.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
MISSION NO (Mission Number)	<u>Display Control and Generation</u> RECCE Missions	381	Actions BUILD MISSION (Mission number) (print) or FPAD FIGHTER PLANNING ADJUSTMENT or RPAD RECCE PLANNING ADJUSTMENT or SMPD SUPPORT MISSION PLANNING or MSN PAGE (n)	772 789 794 796 801	Defined on page 381. This display presents detailed mission data on the designated mission.
		212	RECCE planning adjustment		
		398	Fighter Missions		
		204	Fighter planning adjustment		
		218	Support mission planning		
		415	Refueling missions		
		419	SAR Missions		
MISSION REPORTS	<u>Display Control and Generation</u> User options list	477	Action DED MSNR	792	Defined on page 482. This display contains light pen selectable operator actions for requesting manual message entry formats for mission reports.
					The following displays are multi-part two way displays containing the manual message entry formats for operator insertion of the designated message type. Defined on pages 78 and 309.
MULTI XXX	<u>Input Processing</u>				
MULTI ACAQ JOINT TAC AIR REQ PART 1 OF 2	<u>Input Processing</u>		DED ACAQ or DED ACAQ (Req No)	780 780	

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
MULTI ACAQ2 JOINT TAC AIR REQ PART 2 OF 2	<u>Input Processing</u>		DED ACAQ2 or Transmission of "MULTI ACAQ2---".	780 780	Defined on pages 78 and 310.
MULTI AFFS AIRFIELD & FLT FACILITY STATUS REPORT PART 1 OF 2	<u>Input Processing</u>		DED AFFS or DED AFFS (Base)	782 782	Defined on pages 60 and 298.
MULTI AFFS2 AIRFIELD & FLT FACILITY STATUS REPORT PART 2 OF 2	<u>Input Processing</u>		DED AFFS2 or Transmission of "MULTI AFFS2---".	782 782	Defined on pages 60 and 299.
MULTI ARSQ JOINT TAC AIR RECCE/SURVEILLANCE REQ PART 1 OF 2	<u>Input Processing</u>		DED ARSQ or DED ARSQ (Req No)	783 783	Defined on pages 83 and 307.
MULTI ARSQ2 JOINT TAC AIR RECCE/SURVEILLANCE REQ PART 2 OF 2	<u>Input Processing</u>		DED ARSQ2 or Transmission of "MULTI ARSQ2---".	783 783	Defined on pages 83 and 308.
OPERATOR ACTIONS	<u>Display Control and Generation</u> User options list	477	Action DED OPRA	793	Defined on page 485. This display contains light pen selectable operator actions for system control or direction of functional processing.
OPTIONS	<u>Display Control and Generation</u> User options list	477	Actions ← OPS 7 OPTIONS	772 801	Defined on page 479. This display contains light pen selectable operator action for requesting detailed user options lists.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
PCAS MISSION SCHEDULE	<u>Display Control and Generation</u> Mission schedules	362	<u>Actions</u> BUILD SCHEDULE DISPLAY ACTION or SCHED PAGE (n) SET (m)	772 802	Defined on page 364, This display presents the mission schedules for Preplanned Close Air Support missions that qualify under the parameters of the "BUILD SCHEDULE" action.
PFIIGHTER MISSION SCHEDULE	<u>Display Control and Generation</u> Mission schedules	362	<u>Actions</u> BUILD SCHEDULE DISPLAY ACTION or SCHED PAGE (n) SET (m)	772 802	Defined on page 364, This display presents the mission schedules for Preplanned Fighter missions that qualify under the parameters of the "BUILD SCHEDULE" action.
PRECE MISSION SCHEDULE	<u>Display Control and Generation</u> Mission schedules	355	<u>Action</u> BUILD SCHEDULE DISPLAY ACTION or SCHED PAGE (n) SET (m)	772 802	Defined on page 357. This display presents the mission schedules for Preplanned RECCE missions that qualify under the parameters of the "BUILD SCHEDULE" action.
RECCE MISSION SCHEDULE	<u>Display Control and Generation</u> Mission schedules	355	<u>Actions</u> BUILD SCHEDULE DISPLAY ACTION or SCHED PAGE (n) SET (m)	772 802	Defined on page 357. This display presents the mission schedules for RECCE missions that qualify under the parameters of the "BUILD SCHEDULE" action.
REFUELING MISSION SCHEDULE	<u>Display Control and Generation</u> Mission schedules	371	<u>Actions</u> BUILD SCHEDULE DISPLAY ACTION or SCHED PAGE (n) SET (m)	772 802	Defined on page 372, This display presents the mission schedules for Refueling missions that qualify under the parameters of the "BUILD SCHEDULE" action.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
REQUESTS	<u>Display Control and Generation</u> User options list	477	Action OED RSTR	795	Defined on page 483. This display contains light pen selectable operator actions for requesting manual message input formats for Requests, Status Reports and Tanker Reports.
RPAD RECCE PLANNING ADJUSTMENT	<u>Mission Adjustment</u> Processing request	163	<u>Actions</u> OEO RPAD or DED RPAD (Mission Number)	794 794	Defined on page 341. This is a two way display providing the format for the operator request for RECCE Planning/Adjustment processing.
SAR REPORTS	<u>Display Control and Generation</u> User options list	477	Action OED SADR	795	Defined on page 481. This display contains light pen selectable operator actions for requesting manual message input formats for SAR and Air Defense reports.
SEARCH AND RESCUE MISSION SCHEDULE	<u>Display Control and Generation</u> Mission schedules	376	<u>Action</u> BUILD SCHEDULE DISPLAY ACTION or SCHEO PAGE (n) SET (m)	772 802	Defined on page 377. This display presents the mission schedules for Search and Rescue missions that qualify under the parameters of the "BUILD SCHEDULE" action.
SMPD SUPPORT MISSION PLANNING	<u>Mission Adjustment</u> Processing request	164	<u>Action</u> DEO SMPD	796	Defined on page 344. This is a two way display providing the format for the operator request for Support Mission Planning processing.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
SRAD SAR ASSIGNMENT	<u>Mission Adjustment</u> Processing request	164	<u>Action</u> DED SRAD	797	Defined on page 347, This is a two way Display providing the format for the operator request for Search and Rescue Assignment processing.
<u>OPERATOR NOTES:</u>					

REMARKS	
PAGE	
ACTION OR OTHER CAUSE	
PAGE	
SYSTEM FUNCTION/OPERATIONAL ACTIVITY	
SYSTEM RESPONSE <u>OPERATOR NOTES:</u>	

REMARKS	
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PAGE	
SYSTEM FUNCTION/OPERATIONAL ACTIVITY	
SYSTEM RESPONSE <u>OPERATOR NOTES:</u>	

SYSTEM RESPONSE	<u>OPERATOR NOTES:</u>
SYSTEM FUNCTION/OPERATIONAL ACTIVITY	
PAGE	
ACTION OR OTHER CAUSE	
PAGE	
REMARKS	

ALERTS, NOTIFICATIONS
PRINTER OUTPUTS

5.3.3 Alerts, Notifications and Printer Outputs

The following pages present each of the functional one line displays and printer outputs available to the operator in the CUROPS mode of TDSDT operation. The major system responses have also been included. Additional, self-explanatory responses may be encountered in certain operator or system error conditions.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
ABORT ----- (DTG)	<u>Input Processing</u> Operator notification	118	Alert #6 Receipt of an Abort Report	50	Defined on pages 115 and 118. A mission display is also presented.
ADJUSTMENT NOT POSSIBLE; SELECT ANOTHER MISSION	<u>Mission Adjustment</u> Route generation	241	The mission being adjusted has reached its target or ingress point.		Defined on page 168. Select another mission and reinitiate the adjustment process.
ADJUSTMENT TO FRAG ORDER	<u>Message Preparation</u> Frag adjustment distribution	251	Actions <u>PREPARE FRAG</u> or PREPARE SAR FRAG	802 802	Defined on page 251, Frag Order Adjustments are marked for transmission by the processing functions that developed the adjusted missions. They are "batch" printed on the system printer in response to the operator actions "PREPARE FRAG"-all missions, and "PREPARE SAR FRAG"-SAR missions only.
	Interdiction, counter-air and escort format	252			
	Preplanned close air support format	253			
	Combat air patrol format	254			
	Electronic warfare format	255			
	Preplanned RECCE format	256			
	Immediate RECCE format	257			
	Immediate close air support format	257			
	Search and Rescue format	258			
	Delete format	258			

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
AIR DEFENSE SCRAMBLE ----- (DTG)	<u>Input Processing</u> Operator notification	118	<u>Alert #5</u> Receipt of an Air Defense Scramble Report	54	Defined on pages 115 and 118. Total message is printed.
AIR DELAY ----- (DTG) OLD ETOT OR ETR ----- NEW ETOT OR ETR -----	<u>Input Processing</u> Operator notification	121	<u>Alert #31</u> Receipt of an Air Delay Report	56	Defined on pages 115 and 121. The total message is printed.
A/C TYPE NOT AVAILABLE AT BASE SPECIFIED; ENTER NEW VALUE	<u>Mission Adjustment</u> Fighter planning/adjustment RECCE planning/adjustment Support mission planning	201 208 214	Operator specified base and A/C type are not compatible on the mission being planned or adjusted.		Defined on page 167. Select another base and/or A/C type and reinitiate the adjustment process.
BASE ETRO CHANGE ----- (DTG) OLD ----- NEW -----	<u>Input Processing</u> Operator notification	118	<u>Alert #9</u> Receipt of a change in base ETRO		Defined on pages 115 and 118. The notification defines the change.
BASE STATUS CHANGE ----- (DTG) OLD STATUS ----- NEW STATUS -----	<u>Input Processing</u> Operator notification	118	<u>Alert #8</u> Receipt of an Airbase Status Change		Defined on pages 115 and 118. The notification defines the change.
CANCELLATION REQUEST ----- (DTG)	<u>Input Processing</u> Operator notification	121	<u>Alert #32</u> Receipt of a cancellation request	64	Defined on pages 115 and 121. A mission display is also presented.
CANDIDATES DO NOT MEET REQUESTED TOT	<u>Mission Adjustment</u> Candidate mission selection	194	Available candidates for the requirement being planned can not meet the operator specified TOT.		Defined on page 170. Candidate Mission Selection processing will continue and develop a display of candidate missions that come the closest to the specified TOT.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
DISPERSAL BASE CODE NOT RECOGNIZED; ENTER NEW VALUE	<u>Mission Adjustment</u> Fighter planning/adjustment RECCE planning/adjustment Support mission planning	201 208 214	The dispersal base code specified by the operator is not recognized within the system data base.		Defined on page 167. Select an available dispersal base and reinitiate the adjustment process.
EGRESS CODE NOT RECOGNIZED; ENTER NEW VALUE	<u>Mission Adjustment</u> Route generation	232	The Egress code specified by the operator is not recognized within the system data base		Defined on page 169. Select an available Egress code and reinitiate the adjustment process.
ENTRY FULL (file IO, object); PROCESS CONTINUING	<u>Mission Adjustment</u> Fighter planning/adjustment RECCE planning/adjustment Support mission planning	204 212 217	File space for storage of adjustment data is not available.		Defined on page 169. The adjustment continues but future file retrievals will not accurately reflect the mission presently being adjusted.
ENTRY FULL (file IO, object); PROCESS TERMINATING	<u>Mission Adjustment</u> SAR assignment	245	File space for storage of the new SAR Requirement is not available.		Defined on page 169. Processing can not continue.
ENTRY NOT AVAILABLE (file IO); PROCESS CONTINUING	<u>Mission Adjustment</u> Fighter planning/adjustment RECCE planning/adjustment Support mission planning	204 211 218	File space for storage of adjustment data is not available		Defined on page 169. The adjustment continues but future file retrievals will not accurately reflect the mission presently being adjusted.
ENTRY NOT AVAILABLE (file IO); PROCESS TERMINATING	<u>Mission Adjustment</u> Fighter planning/adjustment RECCE planning/adjustment Support mission planning	203 210 217	File space for the storage of adjustment data is not available		Defined on page 169. Processing can not continue.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
ENTRY NOT FOUND (file ID, object); PROCESS CONTINUING	<u>Mission Adjustment</u> RECCE planning/adjustment Mission deletion	212 221, 222, 223, 224, 225	The data base entry to be updated does not exist		Defined on page 169, Data has not been previously stored in support of the mission or requirement being processed. Processing continues but future retrievals of the files in question will not accurately reflect the present processing.
ENTRY NOT FOUND (file ID, object, property); PROCESS CONTINUING	<u>Mission Adjustment</u> Mission deletion	221	The data base entry to be updated does not exist		Defined on page 169, Data has not been previously stored in support of the mission or requirement being processed. Processing continues but future retrievals of the files in question will not accurately reflect the present processing.
ERROR	<u>Input Message Processing/Mission Adjustment</u> Manual input message processing Candidate requirements selection Candidate missions selection Fighter planning/adjustment RECCE planning/adjustment Support mission planning SAR assignment	34, 45 181 188 200 207 213 245	Action ENTER XXX (with error) or MULTI XXX (with error) or CRSD XXX (with error) or CMSD XXX (with error) or FPAD XXX (with error) or RPAD XXX (with error) or SMPD XXX (with error) or SRAD XXX (with error)	780 to 799	Defined on page 290, DED containing the error is presented with 1st character of invalid field flashing.
ETO LESS THAN CURRENT TIME; REPLAN THE MISSION	<u>Mission Adjustment</u> Route generation	235	Mission as presently being planned requires impossible take-off time for acceptable scheduling.		Defined on page 169, Change resource or requirement parameters and reinitiate adjustment processing.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
EW SUPPORT REQUIRED	<u>Mission Adjustment</u> Fighter planning/adjustment RECCE planning/adjustment	204 212	The mission being planned will require EW support mission		Defined on page 169. Plan appropriate EW support or task assigned operator position to plan that support.
EXCESSIVE REFUELING REQUIRED; SELECT ANOTHER UNIT	<u>Mission Adjustment</u> Route generation	234	Refueling requirements of the mission being planned can not be met.		Defined on page 168. Select an alternate unit for the mission that is better positioned relative to fuel usage.
FACILITY ETRO ----- NAME ----- OLD ETRO ----- NEW ETRO -----	<u>Input Processing</u> Operator notification	119	Alert #11 Receipt if a change in Facility ETRO		Defined on pages 115 and 119. The notification defines the change.
FIGHTER AND EW SUPPORT REQUIRED	<u>Mission Adjustment</u> Fighter planning/adjustment RECCE planning/adjustment	204 212	Both fighter and EW support missions are required for the mission being planned		Defined on page 169. Plan or request planning of appropriate fighter and EW support missions.
FIGHTER SUPPORT REQUIRED	<u>Mission Adjustment</u> Fighter planning/adjustment RECCE planning/adjustment	204 212	Fighter support is required for the mission being planned		Defined on page 169. Plan or request planning of appropriate fighter support missions
FLIGHT FACILITY STATUS CHANGE (DTG) NAME ----- OLD STATUS ----- NEW STATUS -----	<u>Input Processing</u> Operator notification	119	Alert #10 Receipt of a change in flight facility status		Defined on pages 115 and 119. The notification defines the change.
FORM NOT AVAILABLE	<u>Display Control and Generation</u> Display request		Action DED XXX (where XXX is not recognized as a valid DEO identifier)		The operator must correct and reenter the DEO request.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
FRAG TRANSMISSION COMPLETE	<u>Message Preparation</u> Frag generation	249	Action PREPARE FRAG or PREPARE SAR FRAG	802 802	Defined on page 249. The response is made after all applicable "ADJUSTMENT TO FRAG ORDER" messages have been processed for printout.
GROUND DELAY ----- -- (DTG)	<u>Input Processing</u> Operator notification	121	<u>Alert #30</u> Receipt of a Ground Delay Message	68	Defined on pages 116 and 121, The total message is printed.
OLD DEPARTURE TIME ---- NEW DEPARTURE TIME ----					
ICAS SCRAMBLE ----- -- (DTG)	<u>Input Processing</u> Operator notification	118	<u>Alert #3</u> Receipt of an ICAS Scramble Report	70	Defined on pages 116 and 118. Total message is printed.
IMMED TAC AIR RECCE/SURV REQ ----- (DTG)	<u>Input Processing</u> Operator notification	118	<u>Alert #2</u> Receipt of an Immediate TAC Air RECCE/Surveill- ance Request	83	Defined on pages 115 and 118. Total message is printed.
IMMED TAC AIR REQ ---- (DTG)	<u>Input Processing</u> Operator notification	118	<u>Alert #1</u> Receipt of an Immediate TAC Air Request	78	Defined on pages 115 and 118. Total message is printed.
INGRESS CODE NOT RECOGNIZED; ENTER NEW VALUE	<u>Mission Adjustment</u> Route generation	232	The ingress code specif- ied by the operator is not recognized within the data base.		Defined on page 169, Select an appropriate ingress code and reinitiate the adjustment process.
INGRESS/EGRESS CODE NOT RECOGNIZED; ENTER NEW VALUE	<u>Mission Adjustment</u> Route generation	232	The ingress and egress codes specified by the operator are not recog- nized within the data base		Defined on page 169. Select appropriate ingress and egress code and reinitiate the adjustment process.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
INIT HOSTILE ---- (DTG)	<u>Input Processing</u> Operator notification	122	<u>Alert #37</u> Receipt of an initial hostile Air Surveillance Data Report	62	Defined on pages 115 and 122. The total message is printed.
INPUT COMPLETE	<u>Input Message Processing</u> Manual data entry	290	<u>Action</u> ENTER XXX or MULTI XXX or CRSD XXX or CMSD XXX or FPAD XXX or RPAD XXX or SMPD XXX or SRAD XXX	780 to 799	Defined on page 290. This message indicates that a manual input message or mission adjustment directive input has been accepted for processing.
INSUFFICIENT BASE MUNI- TIONS; SELECT ANOTHER UNIT	<u>Mission Adjustment</u> Fighter planning/adjustment Support mission planning	201 215	The unit selected by the operator can not satisfy the mission due to munitions require- ments		Defined on page 167. Change the unit or munitions require- ments for the mission being planned and reinitiate the adjustment process.
IRECCE SCRAMBLE ----- (DTG)	<u>Input Processing</u> Operator notification	118	<u>Alert #4</u> Receipt of an IREC Scramble Report	73	Defined on pages 116 and 118. Total message is printed.
LANDING REPORT ----- (DTG)	<u>Input Processing</u> Operator notification	120	<u>Alert #20</u> Receipt of a Landing Report	89	Defined on pages 116 and 120. The total message is printed.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
LATE SAR MISSION PROGRESS REPORT ----- (DTG)	Condition/Event Monitoring Operator notification	120, 265	Alert #26 Scheduled SAR Mission Progress Report is overdue	102	Defined on pages 120 and 265. The notification defines the mission number.
MESSAGE TIME JUMPER TO (XXXX)	Input Message Processing Advancing of the simulation time	37 37	INITIATE REVISE TOSDT STATUS followed by completion of processing for all intervening input messages	801	Defined on page 37. With TIME ADVANCE indicator set and new simulation time inserted.
MISSED REFUELING (DTG) ----- SCHEDULED REFUELING TIME -----MISSION NO. -----	Input Processing Operator notification	121	Alert #33 Receipt of a Refueling message indicating a missed refueling	95	Defined on pages 116 and 121. The total message is printed.
MISSION DEPARTURE (DTG) ----- SCHEDULED REFUELING TIME ----- REPORTED -----	Input Processing Operator notification	120	Alert #18 Receipt of a reported takeoff time different from the schedule	112	Defined on pages 117 and 120. The notification defines the mission number and the times in variance.
MISSION NUMBER NOT RECOGNIZED; ENTER NEW VALUE	Mission Adjustment Display request processing Candidate mission selection Support mission planning Mission deletion Route generation SAR assignment	177, 178, 179 196 214 220 240, 241 245	An operator specified mission number is not recognized within applicable data base files		Defined on page 168. Correct the specified mission number and reinitiate the adjustment process.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
NO AIR DEFENSE FIGHTER STATUS REPORT (DTG) TIME DUE	<u>Condition/Event Monitoring</u> Operator notification	121	Alert #28 Scheduled Air Defense Fighter Status Report is overdue	52	Defined on pages 121 and 266. The notification defines the unit and time due.
NO AIRFIELD AND FLIGHT FACILITY MESSAGE (DTG) NAME TIME DUE	<u>Condition/Event Monitoring</u> Operator notification	119, 266	Alert #16 Airfield and Flight Facility Status Report is overdue	60	Defined on pages 119 and 266. The notification defines the facility and time due.
NO CANDIDATE MISSIONS FOUND; ENTER NEW SELECTION	<u>Mission Adjustment</u> Candidate mission selection	191, 194	The selection criteria specified by the operator or cannot be satisfied by available resources		Defined on page 166. Candidate mission selection processing terminates and must be reinitiated with alternate criteria.
NO CANDIDATE REQUIREMENTS FOUND; ENTER NEW SELECTION	<u>Mission Adjustment</u> Candidate requirements selection	182, 183, 184	These are no available requirements that can be met by the specified resource		Defined on page 166. Candidate requirements selection processing terminates and can be reinitiated with alternative resources specified.
NO INFLIGHT REPORT (DTG) SCHEDULED TIME OVER TARGET	<u>Condition/Event Monitoring</u> Operator notification	120, 264, 265	Alert #23 Scheduled Inflight Report is overdue	76	Defined on pages 120, 264 or 265. The notification defines the mission number and the time due.
NO LANDING REPORT (DTG) ESTIMATED TIME OF RETURN	<u>Condition/Event Monitoring</u> Operator notification	120, 264, 265	Alert #24 Scheduled Landing Report is overdue	89	Defined on pages 120, 264 and 265. The notification defines the mission number and time due.
NO ON STATION REPORT (DTG) ESTIMATED TIME ON STATION	<u>Condition/Event Monitoring</u> Operator notification	121, 265	Alert #27 Scheduled On Station Report is overdue	91	Defined on pages 121 and 265. The notification defines the mission number and time due.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
NO QUALIFIERS	Display Control and Generation Operator notification	353	Action BUILD SCHEDULE DISPLAY ACTION (parameters)	772	Defined on page 353. The parameters defined for the requested schedule development processing result in no qualifying missions.
NO RECCE INFLIGHT REPORT (DTG) ----- SCHEDULED TIME OVER IGT -----	Condition/Event Monitoring Operator notification	122, 265	Alert #36 Scheduled RECCE Inflight Report is overdue	87	Defined on pages 122 and 265. The notification defines the mission number and the time due.
NO TAKEOFF REPORT (DTG) ----- SCHEDULED DEPARTURE TIME ----	Condition/Event Monitoring Operator notification	120, 264, 265	Alert #22 Scheduled Takeoff Report is overdue	112	Defined on pages 120, 264 and 265. The notification defines the mission number and time due.
NO UNIT STATUS REPORT (DTG) ----- TIME DUE -----	Condition/Event Monitoring Operator notification	119, 267	Alert #15 TAC Unit Status Report is overdue	109	Defined on pages 119 and 267. The notification defines the Unit and time due.
NUMBER OF AIRCRAFT AIRBORNE ----- (DTG) SCHEDULER -- REPORTED --	Input Processing Operator notification	117, 119	Alert #17 The number of aircraft reported airborne differs from the number scheduled		Defined on pages 117 and 119. The notification defines the difference.
ORD CODE NOT AVAILABLE FOR A/C TYPE; ENTER NEW VALUE	Mission Adjustment Fighter planning/adjustment Support mission planning	201 215	The ordnance code and A/C type specified by the operator are not compatible within the system data base.		Defined on page 167, Processing terminates and must be re- initiated with correct ordnance code/ A/C type specification by the operator.
OR DIFFERENT FROM FORE- CAST ----- (DTG) TYPE ----- OR -- FORECAST --	Input Processing Operator notification	119	Alert #13 Receipt of a change in TAC Unit OR 8 Hour Forecast		Defined on pages 117 and 119. The notification defines the change.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
OR 8 HR BELOW MINIMUM ----- (DTG) TYPE ----- OR 8 -- LIM FAC -----	<u>Input Processing</u> Operator notification	119	<u>Alert #12</u> Receipt of data indicating a TAC Unit OR 8 Hour forecast below minimum		Defined on pages 116 and 119. The notification defines the status.
REFUELING UNAVAILABLE; REPLAN THE MISSION	<u>Mission Adjustment</u> Route generation	238, 240	The refueling required for the mission being planned can not be satisfied.		Defined on page 168, Processing terminates and the mission must be replanned to reduce the fuel requirements.
REQUIREMENTS NUMBER NOT RECOGNIZED; ENTER NEW VALUE	<u>Mission Adjustment</u> Display request processing Candidate mission selection Fighter planning/adjustment RECCE planning/adjustment SAR assignment	176 192 200 208 245	The requirements number specified by the operator is not recognized in applicable data base files		Defined on page 166. The operator request defining the requirement being planned against must be corrected and the processing re-initiated.
SAR ASSIGNMENT COMPLETED	<u>Mission Adjustment</u> SAR assignment	246	<u>Action</u> SRAD SAR ASSIGNMENT	797	Defined on page 168. SAR assignment processing has been successfully completed as requested by the operator.
SAR PROGRESS ----- -- (DTG)	<u>Input Processing</u> Operator notification	121	<u>Alert #34</u> Receipt of a SAR Progress Report	102	Defined on pages 116 and 121. The total message is printed.
SAR REQUIREMENTS ----- (DTG)	<u>Input Processing</u> Operator notification	121	<u>Alert #29</u> Receipt of a Downed Pilot or Aircraft in Distress Report	66 58	Defined on pages 115 and 121. The total message is printed.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
TAC ACTION ---- (DTG)	<u>Input Processing</u> Operator notification	122	<u>Alert #38</u> Receipt of a Tactical Action Data Report	106	Defined on pages 116 and 122. The total message is printed.
TAC AIR REQUEST ---- (DTG)	<u>Input Processing</u> Operator notification	122	<u>Alert #39</u> Receipt of a Joint Tactical Air Request	78	Defined on pages 115 and 122. The notification defines the request number.
TAC FACILITY STATUS CHANGE ---- (DTG)	<u>Input Processing</u> Operator notification	118	<u>Alert #7</u> Receipt of a TACS Facility Status Report	104	Defined on pages 116 and 118. Total report is printed.
TAC RECCE/SURV REQUEST ---- (DTG)	<u>Input Processing</u> Operator notification	122	<u>Alert #40</u> Receipt of a Joint Tactical Air RECCE/Surveillance Request	83	Defined on pages 115 and 122. The notification defines the request number.
TANKER ON STATION ---- (DTG)	<u>Input Processing</u> Operator notification	121	<u>Alert #35</u> Receipt of a Tanker On Station Report indicating a time variance from schedule	91	Defined on pages 116 and 121. The notification defines the mission number and the times in variance.
SCHEDULEO TIME ---- REPORTEO TIME ----	<u>Input Processing</u> Operator notification	120	<u>Alert #25</u> Receipt of data indicating that tanker has become overscheduled		Defined on pages 116 and 120. The notification defines the mission number and the revised fuel reserve.
TANKER OVER SCHEDULED (DTG)	<u>Input Processing</u> Operator notification	30	Computer operator actions to initialize the TSDT equipment and software		Defined on page 30.
FUEL RESERVE ----	System Control System startup		<u>Alert #19</u> Receipt of an estimated TOT different from old estimated TOT.		Defined on pages 117 and 120. The notification defines the mission number and the estimates in variance.
TSDT IN OPERATION	<u>Input Processing</u> Operator notification	120			
TIME OVER TARGET (DTG)					
OLD TOT ----					
NEW TOT ----					

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
TIME OVER TARGET (DTG) ----- SCHEDULED ----- REPORTED -----	<u>Input Processing</u> Operator notification	120	<u>Alert #21</u> Receipt of an actual TOT different from the TOT scheduled TOT		Defined on pages 116 and 120. The notification defines the mission number and the TOT's in variance.
UNIDENTIFIABLE AESOP MESSAGE FOR CUROPS MODE	<u>General</u> Operator request		This response results when an operator request is in error and can not be recognized by the software		The operator must correct and reenter the request.
UNIT NUMBER NOT RECOGNIZED; ENTER NEW VALUE	<u>Mission Adjustment</u> Fighter planning/adjustment RECCE planning/adjustment Support mission planning	201 208 214	The operator specified unit number is not recognized within the system data base.		Defined on page 167. Correct the unit number specified in the processing request and reinitiate the processing.
24 HOUR OR CHANGE (DTG) ----- TYPE ----- OLD -- NEW --	<u>Input Processing</u> Operator notification	119	<u>Alert #14</u> Receipt of change in TAC Unit OR 24 Hour status forecast		Defined on pages 117 and 119. The notification defines the change.
(number) CANDIDATE MISSIONS	<u>Mission Adjustment</u> Candidate mission selection	192	A candidate missions display has been presented with (number) of missions included within the display		Defined on page 170. If the number of candidate missions is greater than 10 the display will require multiple pages of up to 10 missions per page.
(number) CANDIDATE REQUIREMENTS	<u>Mission Adjustment</u> Candidate requirements selection	182, 183, 184	A candidate requirements display has been developed with (number) of requirements included within the display.		Defined on page 169. If the number of candidate requirements is greater than 10 the display will require multiple pages of up to 10 requirements per page.

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
(number) PREVIOUSLY DELETED	<u>Mission Adjustment</u> Mission deletion	221	<u>Action</u> CANCEL (number)	773	Defined on page 168. The "CANCEL" action has been taken on a previously deleted mission number.
(number) QUALIFIERS	<u>Display Control and Generation</u> Operator notification	353	<u>Action</u> BUILD SCHEDULE DISPLAY ACTION (Parameters)	772	Defined on page 353. The parameters defined for the requested schedule development processing resulted in (number) of qualified missions.
<u>OPERATOR NOTES:</u>					

SYSTEM RESPONSE	SYSTEM FUNCTION/OPERATIONAL ACTIVITY	PAGE	ACTION OR OTHER CAUSE	PAGE	REMARKS
<u>OPERATOR NOTES:</u>					

REMARKS	
PAGE	
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