



SAGE
PROGRAMMING
AGENCY

MONTHLY STATUS REPORT

VOL 4-71

26 AIR DIVISION
DCS/OPERATIONS
SAGE PROGRAMMING AGENCY

SAGE PROGRAMMING AGENCY (SPA)

STATUS REPORT

AS OF

26 APR 1971

1. The SAGE Programming Status Committee convened on 26 Apr 71. Attendees were:

26 Air Div

SDC

Lt Col Suskin, Co-Chairman
Maj Crook
Maj McNutt
Maj Peake
Capt Foiles
Capt Nichols
Capt Wells
CWO Lynch

Mr. Miller, Co-Chairman
Mr. Hollister

CF (A)

Capt Short

2. Contents:

PART I - VERSION 51 INFORMATION

Milestones
Program Information
Version Content

PART II - STATUS OF PROGRAM CHANGE REQUESTS

SPCRs
CR/ARs
MCs

PART III - SPARE REGISTER STATUS

Version 50
Version 51

PART IV - MISCELLANEOUS SPA PRODUCTS

Documentation Corrections
Feasibility Studies

Volume: 4-71

3. Terms:

a. ADC SRC Action: (Defined in ADCM 55-32, Chapter 3 and ADC OI 55-2, para 4d.)

- (1) Approved Normal.
- (2) Approved Dated Priority.
- (3) Approved Priority.
- (4) Approved Experimental.
- (5) Approved Emergency Program Change.
- (6) Deferred for Study.
- (7) Drop.
- (8) Disapproved.

b. SPA Status:

(1) Design - The effort up to the production of the Operational Specifications.

(2) Implementation - The effort after the production of the Operational Specifications necessary to make the product part of a specified version or subversion.

(3) Testing - The effort performed, by the SPA Test Group, to verify the product for adherence to the Design Specifications in a system environment.

(4) VET - The effort performed by the SPA to verify the product in a version environment, that is, when all of the products for a given version have been loaded and the tape is undergoing both SIM and live testing.

(5) Closed - The product is available for release; all production and testing have been completed. Documentation Changes are identified and available for reproduction.

(6) Released - Production complete; change released to field on specified version or subversion.

(7) Deferred - No current SPA action. If the ADC-SRC action is not deferred, an explanation will be given in the comments for this status.

(8) ECP Required - SPC is approved and is awaiting ECP approval/schedules.

(9) Study - Feasibility Study being conducted.

c. Programming Documentation:

Documentation required by programmers to update the versions for use; i.e., pads, COMPOOL, COMDOC, etc.

d. Official Documentation:

Documentation required by operational personnel to perform the Active Air Defense mission to include Operational Specification, SAGE Positional Handbook, and User's Manuals.

4. Changes: Changes to previous report are indicated by a vertical line in the extreme right margin of affected page(s).

PART I - VERSION 51 INFORMATION

a. Milestones:

- (1) Product SPEC Complete 16 Oct 70
- (2) Production Complete 5 Feb 71
- (3) System Testing 8 Feb 71
- (4) Start VET Testing (Pre-release) 12 Apr 71
- (5) Completion VET Testing 21 May 71
- (6) Release Date 28 May 71
- (7) Programming Documentation Delivery 28 May 71
- (8) Official Documentation Delivery 21 Jun 71
- (9) Operational Date 2 Aug 71

b. SAGE Program Information:

(1) SUOP Programs:

- (a) Added - WAM FDR CXS .
- (b) Deleted - None.
- (c) New Program Mod - SID WOM MWG MXG SKD
 TRK CXO SEC SFC MUG
 MOP SMD CXI SIS MOM

(d) PDCs - None.

(2) Support Programs:

(a) RUN.

- 1. Added - None.
- 2. Deleted - None.
- 3. New Program Mod - EQ3 SYR.
- 4. PDCs - RQC

(b) SPARS .

- 1. Added - None.
- 2. Deleted - None.
- 3. New Program Mod - DUCO GUNS PIPE SUMM
 CONV SXTL RAFT** SNRA SNRM STPL
- 4. PDCs - None.

(3) Utility Programs:

(a) COSEAL.

1. Added - None.
2. Deleted - None.
3. New Program Mod - None.
4. PDCs - None.

(b) GIANT.

1. Added - None.
2. Deleted 3855B, 409AA, 410AA, 411AA, 412AD, 414AA, 415AA, 416AA, 418AA, 430SR, and 450AA.*
3. New Program Mod - 0425, 0389, 0384, 0417.
4. PDCs - None.

(c) UNISIM.

1. Added - None.
2. Deleted - None.
3. New Program Mod - XTL, ADP.
4. PDCs - None.

*The programs indicated above are all obsolete programs involving the Combat Center (CC) and the Combat Center/Direction Center (CC/DC).

**New Mod released on SPARS Tape N50E.

c. Version Content:

<u>SPCR</u>	<u>Title</u>	<u>Status</u>
2436	Improved RTQC	Testing
2460	Automatic Airborne and Initiation	Testing
2548	Improve Dynamo	Testing
2552	Combat Speed Required for Reattack of Co-altitude Target	Testing
2553	Height Finder Request Rate	Testing
2554	Height Finder Selection Logic	Testing
2555	F-106 Data Link Sequencing for Front Quarter Attacks	Testing
2558	Modified Division Situation Summary DID	Testing
2559	Telling Kill Information	Closed
2563	Improved Tactics and Guidance	Testing
2565	Delete BOMARC Launch for Adjacent Control	Testing
2566	Locate Program FDR on Master Tape	Testing
2568	Automatic MORT Rewind	Testing
2571	Manned Interceptor Weapons Status Display	Testing
2578	Improved Security Classification of RUN	Testing
07AR036	Maneuver in the Simulation Mode of Control	Testing
07AR038	External Transfer of Interceptor Symbology	Testing

<u>SPCR</u>		<u>Status</u>
07AR039	BOMARC Handover	Testing
07AR040	Validity of Q3 Processor	Testing
07AR041	Kill Probability for CIM-10B	Testing
07AR042	CAP, Off Command in Guidance Mode of Control	Testing
07AR043	Initial Turn Logic w/Manual Vectoring	Testing
07AR044	SCORE SIM Weapons No Launch	Closed
07AR045	SCORE MA-PK Values	Testing
07AR046	New Symbol for Flight Plan Altitude Status	Testing
07AR047	UNISIM SIF Code Scripting of RS and RI Cards	Testing
07AR048	V51 NORM Weights and New Measures for SIM NORM	Testing
22AR014	GAT Site Selection Criteria for BOMARC Handover	Testing
22AR015	SIM SUP Mission DID	Closed
22AR016	BOMARC Handover to NRCC	Testing
23AR001	BOMARC SAFO/Statusing Conflict	Testing
23AR002	F-102 Armament Loads	Testing
23AR003	SCORE Tactic at Intercept	Testing
23AR004	Altitude Conflict Display	Closed

PART II - STATUS OF PROGRAM CHANGE REQUESTS

a. SPCRs:

(1) 2226 - Common Digitizer Test Program:

SPA Coordinator: None assigned (26DOSM).

SDC Coordinator: Mr. Schwartz.

ADC SRC Action: 4 Nov 65 - Approved Experimental.

SPA Status: Deferred.

Comments: Pending further action ADC/SRC.

(2) 2436 - Improved Real Time Quality Control:

SPA Coordinator: Capt Sabatinelli (DOSS/824).

SDC Coordinator: Mr. Ludwig.

ADC SRC Action: 15 Aug 68 - Approved Experimental.
1 Mar 71 - Approved Normal - Version 51.

SPA Status: 31 Jul 70 - Deferred.
2 Oct 70 - Design,
18 Nov 70 - Implementation.
5 Feb 71 - Testing.

Comments: This product has been loaded to Version 51 and is presently undergoing VET testing.

(3) 2460 - Automatic Airborne and Initiation:

SPA Coordinator: Capt Kurtz (26DOSW/319).

SDC Coordinator: Mr. Farrand.

ADC SRC Action: 30 Jul 69 - Deferred.
24 Jan 70 - Approved Normal - Version 51.

SPA Status: 31 Jul 70 - Design.
10 Oct 70 - Implementation.
7 Jan 71 - Testing.

Comments: Was released as TPR-026P50EC019 on the release tape of V50. This product has been loaded to Version 51 and is presently undergoing VET testing.

(4) 2480 - AIM/SAGE Interface:

SPA Coordinator: TSgt Delaney (26DOSS/824).

SDC Coordinator: Mr. Schwartz.

ADC SRC Action: 4 Apr 68 - Approved Experimental.
1 Mar 71 - Approved Normal - Version 51.

SPA Status: Deferred.

Comments: As directed by Hq ADC, this SPC will be produced in modified form and overloaded on V51 in support of Category II equipment testing. In addition the -1 designation has been dropped due to the advent of TPR documentation.

(5) 2506 - Strobe Data History:

SPA Coordinator: TSgt Delaney (DOSS/824).

ADC SRC Action: 26 Sep 68 - Approved Experimental.
21 Aug 70 - Deferred.
17 Dec 70 - Approved Normal. Version 52.

SPA Status: Deferred.

Comments: None.

(6) 2530 - Non-standard Atmospheric Effects in Guidance Calculations:

SPA Coordinator: Capt Forman (DOSW/330).

SDC Coordinator: Mr. Harmon.

ADC SRC Action: 26 Feb 69 - Deferred for Study.

SPA Status: Deferred.

Comments: Undergoing study at IWS.

(7) 2548 - Improved Dynamo:

SPA Coordinator: Capt Crowder (DOSW/330).

SDC Coordinator: Mr. Cappi.

ADC SRC Action: 28 Jan 70 - Approved Normal - Version 51.

SPA Status: 25 May 70 - Design.
10 Oct 70 - Implementation.
7 Jan 71 - Testing.

Comments: This product has been loaded to Version 51 and is presently undergoing VET testing.

(8) 2552 - Combat Speed Requirements for Reattacking a High Speed Co-altitude Target:

SPA Coordinator: Capt Wojtas (26DOSW/319).

SDC Coordinator: Mr. Hickey.

ADC SRC Action: 28 Jan 70 - Approved Normal - Version 51.

SPA Status: 25 May 70 - Design.
31 Aug 70 - Implementation.
30 Nov 70 - Testing.

Comments: This product has been loaded to Version 51 and is presently undergoing VET testing.

(9) 2553 - Height Finder Request Rate:

SPA Coordinator: Capt Sabatinelli (DOSS/824).

SDC Coordinator: Mr. Ludwig.

ADC SRC Action: 28 Jan 70 - Approved Normal - Version 51.

SPA Status: 25 May 70 - Design.
31 Aug 70 - Implementation.
7 Jan 71 - Testing.

Comments: This product has been loaded to Version 51 and is presently undergoing VET testing.

(10) 2554 - Height Finder Selection Logic:

SPA Coordinator: Capt Meurer (DOSS/825).

SDC Coordinator: Mr. Ludwig.

ADC SRC Action: 28 Jan 70 - Approved Normal - Version 51.

SPA Status: 25 May 70 - Design.
10 Sep 70 - Implementation.
18 Dec 70 - Testing.

Comments: This product has been loaded to Version 51 and is presently undergoing VET testing.

(11) 2555 - F-106 Data Link Sequencing for Front Quarter Attacks:

SPA Coordinator: Lt Unzicker (DOSW/319).

SDC Coordinator: Mr. Hickey.

ADC SRC Action: 24 Feb 70 - Approved Normal - Version 51.

SPA Status: 25 May 70 - Design.
31 Aug 70 - Implementation.
30 Nov 70 - Testing.

Comments: This SPC has been released to the field on the Version 50 release tape as TPR-026P50EC020. This product has been loaded to Version 51 and is presently undergoing VET testing.

(12) 2556 - Expand Division Manned Interceptors Available DID:

SPA Coordinator: Capt Hancock (DOSW/824).

SDC Coordinator: Mr. Crane.

ADC SRC Action: 30 Apr 70 - Deferred for study.

SPA Status: 25 May 70 - None.

Comments: Assigned to 20 Air Div for testing until 1 Apr 71.

(13) 2558 - Modified Division Situation Summary:

SPA Coordinator: TSgt Jones (DOSW/319).

SDC Coordinator: Mr. Rooder.

ADC SRC Action: 30 Apr 70 - Deferred.
21 Aug 70 - Approved Normal - Version 51.

SPA Status: 31 Aug 70 - Design.
25 Sep 70 - Implementation.
30 Nov 70 - Testing.

Comments: This product has been loaded to Version 51 and is presently undergoing VET testing.

(14) 2559 - Telling Kill Information:

SPA Coordinator: Capt MacLeod (DOSS/825).

SDC Coordinator: Mr. Crane.

ADC SRC Action: 30 Apr 70 - Deferred.
24 Jun 70 - Approved Normal - Version 51.

SPA Status: 29 Jun 70 - Design.
14 Sep 70 - Closed.

Comments: This SPC will result in a documentation change only.

(15) 2562 - Hard Turn Indicator and Improved Stern Guidance:

SPA Coordinator: Capt Forman (DOSW/330).

SDC Coordinator: Mr. Harmon.

ADC SRC Action: 24 Jun 70 - Deferred.
31 Aug 70 - Approved Normal - Version 52.

SPA Status: 31 Aug 70 - Deferred.
9 Feb 71 - Design.
30 Mar 70 - Implementation.

Comments: Presently we are planning to overload this product on the Version 51 release tape, providing no unforeseen complex problems occur in the product development.

(16) 2563 - Improved Tactics and Guidance:

SPA Coordinator: Lt Unzicker (DOSW/330).

SDC Coordinator: Mr. Hickey.

ADC SRC Action: 21 Aug 70 - Approved Normal - Version 51.

SPA Status: 31 Aug 70 - Design.
10 Oct 70 - Implementation.
7 Jan 71 - Testing.

Comments: This product has been loaded to Version 51 and is presently undergoing VET testing.

(17) 2565 - Delete BOMARC Launch for Adjacent Control:

SPA Coordinator: Capt Lapham (DOSW/319).

SDC Coordinator: Mr. Rice.

ADC SRC Action: 21 Aug 70 - Approved Normal - Version 51.

SPA Status: 31 Aug 70 - Design.
6 Oct 70 - Implementation.
14 Dec 70 - Testing.

Comments: This product has been loaded to Version 51 and is presently undergoing VET testing.

(18) 2566 - Locate Program FDR on Master Tape:

SPA Coordinator: Lt Pheanis (DOOSC/851).

SDC Coordinator: Mr. Smart.

ADC SRC Action: 21 Aug 70 - Approved Normal - Version 51.

SPA Status: 31 Aug 70 - Design.
23 Oct 70 - Implementation.
7 Jan 71 - Testing.

Comments: This product has been loaded to Version 51 and is presently undergoing VET testing.

(19) 2568 Automatic MORT Rewind:

SPA Coordinator: Lt Pheanis (DOOSC/850).

SDC Coordinator: Mr. Smart.

ADC SRC Action: 23 Sep 70 - Approved Normal - Version 51.

SPA Status: 8 Oct 70 - Design.
5 Nov 70 - Implementation.
6 Jan 71 - Testing.

Comments: This product has been loaded to Version 51 and is presently undergoing VET testing.

(20) 2571 - Manned Interceptor Weapons Status Display:

SPA Coordinator: Capt W. Jones (DOSS/824).

SDC Coordinator: Mr. Rice.

ADC SRC Action: 28 Oct 70 - Approved Normal - Version 51.

SPA Status: 28 Oct 70 - Design.
24 Nov 70 - Implementation.
14 Dec 70 - Testing.

Comments: This SPC was released to the field per the direction of Hq ADC and was simultaneously implemented on 18 Jan 71 at 1700Z. This product has been loaded to Version 51 and is presently undergoing VET testing.

(21) 2572 - Force Region Status Summary DID to ACW:

SPA Coordinator: TSgt Jones (DOSW/319).

ADC SRC Action: 17 Dec 70 - Approved Normal - Version 52.

SPA Status: 28 Dec 70 - Deferred.
23 Apr 71 - Design.

Comments: None.

(22) 2573 - Modified Basic Track DID.

SPA Coordinator: None assigned (DOSM/863).

ADC SRC Action: 17 Dec 70 - Approved (Feasibility Study).

SPA Status: 28 Dec 70 - Deferred.

Comments: SPA has assigned "Deferred" status until V51 production is completed.

(23) 2575 - Speed Change to Track Monitor Consoles.

SPA Coordinator: Capt Hancock (DOSW/337).

ADC SRC Action: 17 Dec 70 - Approved Normal - Version 52.

SPA Status: 28 Dec 70 - Deferred.
23 Apr 71 - Design.

Comments: None.

(24) 2576 - Simulated Emergency Display.

SPA Coordinator: Capt Lohner (DOSW/330).

ADC SRC Action: 1 Mar 71 - Approved Normal - Version 52.

SPA Status: 1 Mar 70 - Deferred.
23 Apr 71 - Design.

Comments: None.

(25) 2577 - Questionable Height Return Alarm:

SPA Coordinator: None.

ADC SRC Action: 1 Mar 71 - Deferred for study.

SPA Status: None.

Comment: Pending the completion of AIMS testing this product is being held in abeyance.

(26) 2578 - Improved Security Classification of RUN:

SPA Coordinator: TSgt Street (DOSU/780).

SDC Coordinator: Mr. Drilea.

ADC SRC Action: 1 Mar 71 - Approved Normal - Version 51.

SPA Status: 29 Mar 71 - Testing.

Comments: This product has been loaded to Version 51 and is presently undergoing VET testing.

(27) 2579 - Dual RICMO Position:

SPA Coordinator: None assigned (DOSM/863).

ADC SRC Action: 1 Mar 71 - Deferred for study.

SPA Status: None.

Comments: This SPC is under study by ADC (DOTEPE).

(28) 2580 - SAGE Subsystem Evaluation Random Traffic (PACE):

SPA Coordinator: Capt Wojtas (DOSW/330).

ADC SRC Action: 17 Mar 71 - Deferred for study.

SPA Status: 22 Mar 71 - Study.

Comments: As directed by Hq ADC (DOTEPE), this program change is undergoing a feasibility study by this Agency.

b. Clarification Request (CR)/Analysis Report (AR):

(1) 07AR036 - Maneuvers in the Simulation Mode of Control:

SPA Coordinator: Capt Lohner (DOSW/319).

SDC Coordinator: Mr. Rooder.

SPA Status: Version 51 Product - 27 Jul 70 - Design.
15 Sep 70 - Implementation.
30 Nov 70 - Testing.

Comments: This product has been loaded to Version 51 and is presently undergoing VET testing.

(2) 07AR038 - External Transfer of Interceptor Symbology:

SPA Coordinator: Capt W. Jones (DOSS/822).

SDC Coordinator: Mr. Ludwig.

SPA Status: Version 51 Product - 29 Jun 70 - Design.
31 Aug 70 - Implementation.
30 Nov 70 - Testing.

Comments: This product has been loaded to Version 51 and is presently undergoing VET testing.

(3) 07AR039 - BOMARC Handover:

SPA Coordinator: Sgt Embry (DOSS/822).

SDC Coordinator: Mr. Hickey.

SPA Status: Version 51 Product - 25 May 70 - Design.
28 Sep 70 - Implementation.
30 Nov 70 - Testing.

Comments: This product has been loaded to Version 51 and is presently undergoing VET testing.

(4) 07AR040 - Validity of Q-3 Processor:

SPA Coordinator: Capt Cikoski (DOSU/326).

SDC Coordinator: Mr. Weber.

SPA Status: Version 51 Product - 27 Jul 70 - Design.
17 Oct 70 - Implementation.
30 Nov 70 - Testing.

Comments: This product was released 20 Oct 70 for Version 50. This product has been loaded to Version 51 and is presently undergoing VET testing.

(5) 07AR041 - Kill Probability for CIM-10B (BOMARC):

SPA Coordinator: Capt Lohner (DOSW/337).

SDC Coordinator: Mr. Robinson.

SPA Status: Version 51 Product - 30 Jun 70 - Implementation.
30 Nov 70 - Testing.

Comments: This product was released 30 Jun 70 for Version 50. This product has been loaded to Version 51 and is presently undergoing VET testing.

(6) 07AR042 - Simulated Off Command Guidance Information:

SPA Coordinator: Capt Lohner (DOSW/337).

SDC Coordinator: Mr. Rooder.

SPA Status: Version 51 Product - 29 Jun 70 - Design.
31 Aug 70 - Implementation.
30 Nov 70 - Testing.

Comments: This product has been loaded to Version 51 and is presently undergoing VET testing.

(7) 07AR043 - Initial Turn Logic with Manual Vectoring:

SPA Coordinator: Capt Lohner (DOSW/337).

SDC Coordinator: Mr. Rooder.

SPA Status: Version 51 Product - 29 Jun 70 - Design.
31 Aug 70 - Implementation.
30 Nov 70 - Testing.

Comments: This product has been loaded to Version 51 and is presently undergoing VET testing.

(8) 07AR044 - SCORE SIM Weapons No Launch:

SPA Coordinator: Lt Lehman (DOSU/326).

SDC Coordinator: Mr. Wajda.

SPA Status: Version 51 Product - 5 Oct 70 - Design.
19 Oct 70 - Implementation.
25 Jan 71 - Testing.

Comments: Loaded on SPARS Version N50E which was released on 20 Oct 70 for Version 50. This product has been loaded to Version 51 and is presently undergoing VET testing.

(9) 07AR045 - SCORE MA-PK Values:

SPA Coordinator: Lt Lehman (DOSU/326).

SDC Coordinator: Mr. Wajda.

SPA Status: Version 51 Product - 14 Oct 70 - Design.
22 Dec 70 - Implementation.
25 Jan 71 - Testing.

Comments: This product has been loaded to Version 51 and is presently undergoing VET testing.

(10) 07AR046 - New Symbol for Flight Plan Altitude Status:

SPA Coordinator: Capt Hancock (DOSW/319).

SDC Coordinator: Mr. Farrand.

SPA Status: 27 Oct 70 - Deferred.
Version 51 Product - 5 Jan 71 - Design.
15 Feb 71 - Implementation.
20 Feb 71 - Testing.

Comments: This product has been loaded to Version 51 and is presently undergoing VET testing.

(11) 07AR047 - UNISIM SIF Code Scripting of RS & RI Cards:

SPA Coordinator: Lt Castillo (DOSU/780).

SDC Coordinator: Mr. Wajda.

SPA Status: Version 51 Product - 13 Nov 70 - Design.
23 Dec 70 - Implementation.
25 Jan 71 - Testing.

Comments: This product has been loaded to Version 51 and is presently undergoing VET testing.

(12) 07AR048 - V51 NORM Weights & New Measures for SIM NORM:

SPA Coordinator: Capt Gallice (DOSU/780).

SDC Coordinator: Mr. Wajda.

SPA Status: Version 51 Product - 29 Mar 71 - Implementation.
16 Apr 71 - Testing.

Comments: This product has been loaded to Version 51 and is presently undergoing VET testing.

(13) 07AR049 - Improved ITA Processing and Display:

SPA Coordinator: Capt van der Goes (DOSS/822).

SPA Status: Version 52 Product - 12 Mar 71 - Design.

Comments: None.

(14) 22AR014 - GAT Site Selection Criteria for BOMARC Handover:

SPA Coordinator: TSgt Riley (26DOSS/824).

SDC Coordinator: Mr. Hickey.

SPA Status: Version 51 Product - 22 Jul 70 - Design.
28 Sep 70 - Implementation.
30 Nov 70 - Testing.

Comments: This product has been loaded to Version 51 and is presently undergoing VET testing.

(15) 22AR015 - SIM SUP Mission DID:

SPA Coordinator: Capt Hancock (DOSW/330).

SDC Coordinator: Mr. Crane.

SPA Status: Version 51 Product - 25 Aug 70 - Closed.

Comments: AR was released to field for Version 50 on 25 Aug 70 (Documentation Change only). Will be incorporated and released on Version 51.

(16) 22AR016 - BOMARC Handover to 22NR CC:

SPA Coordinator: Capt Lapham (DOSW/319).

SDC Coordinator: Mr. Farrand.

SPA Status: Version 51 Product - 28 Jul 70 - Design.
9 Sep 70 - Implementation.
30 Nov 70 - Testing.

Comments: This product has been loaded to Version 51 and is presently undergoing VET testing.

(17) 22AR017 - Simulated Jamming Noise Wedge:

SPA Coordinator: Lt Turner (DOSW/319).

SPA Status: 1 Dec 70 - Received.
28 Dec 70 - Deferred.
Version 52 Product - 12 Feb 71 - Design.
30 Mar 71 - Implementation.
12 Apr 71 - Testing.

Comments: This product is scheduled to be overloaded on the Version 51 release tape.

(18) 23AR001 - BOMARC SAFO/Statusing Conflict:

SPA Coordinator: Capt Lapham (DOSW/319).

SDC Coordinator: Mr. Farrand.

SPA Status: Version 51 Product - 9 Jul 70 - Design.
17 Sep 70 - Implementation.
30 Nov 70 - Testing.

Comments: This product was released 26 Oct 70 for Version 50. This product has been loaded to Version 51 and is presently undergoing VET testing.

(19) 23AR002 - F-102 Armament Loads:

SPA Coordinator: Capt Hancock (DOSW/337).

SDC Coordinator: Mr. Farrand.

SPA Status: Version 51 Product - 15 Jul 70 - Design.
23 Sep 70 - Implementation.
10 Dec 70 - Testing.

Comments: This AR was released to the field per the direction of Hq ADC and was simultaneously implemented on 18 Jan 71 at 1700Z. This product has been loaded to Version 51 and is presently undergoing VET testing.

(20) 23AR003 - SCORE Tactic at Intercept:

SPA Coordinator: Lt Cutter (DOSU/326).

SDC Coordinator: Mr. Wajda.

SPA Status: Version 51 Product - 24 Sep 70 - Design.
22 Oct 70 - Implementation.
15 Jan 71 - Testing.

Comments: This product has been loaded to Version 51 and is presently undergoing VET testing.

(21) 23AR004 - Altitude Conflict Display:

SPA Coordinator: Capt Lohner (DOSW/776).

SDC Coordinator: Mr. Crane.

SPA Status: Version 51 Product - 28 Dec 70 - Deferred.
7 Jan 71 - Design.
17 Feb 71 - Closed.

Comments: This AR will result in a Documentation Change only.

PART III - SPARE REGISTER STATUS

<u>Version</u>	<u>Corrector Pool</u>	<u>No. of Spares</u>
50	CFX	271
	CFY	98
	CFZ	4,909
	CFA	258
51	CFX	168
	CFY	68
	CFZ	4,322
	CFA	431

The following information is supplied for planning purposes. After the overload of SPC 2480, 2562, and 22AR017 on the Version 51 release tape, the corrector pools will have the following approximate number of spares:

CFX - 168
CFY - 68
CFZ - 2870
CFA - 340

PART IV - MISCELLANEOUS SPA PRODUCTS

a. Documentation Request/Documentation Correction:

- (1) 01DC001 - NORAD Division Commander (NDC) Position.
Received 12 Apr 71.
- (2) 07DC001 - Documentation Error in TM-3010/000/01H.
Published 29 Sep 70.
- (3) 07DC002 - Disagreement Between TM(ADC)-825/000/02 and TM-3940/039/00.
Published 20 Oct 70.
- (4) 07DC003 - Errors in SCORE and NORM Documentation.
Published 25 Feb 71.
- (5) 07DC004 - Changes to UNISIM User Manual.
Published 22 Feb 71.
- (6) 07DC005 - FAST Documentation Omission.
Published 17 Feb 71.
- (7) 07DC006 - Definition of Manned Interceptor:
Published 25 Feb 71.
- (8) 07DC007 - SET/USE Card Error:
Published 24 Mar 71.
- (9) 07DC008 - Airbase Weather Detail:
Published 2 Apr 71.
- (10) 20DC001 - Height Summary DID:
Published 30 Oct 70.
- (11) 20DC002 - Deletion of Erroneous Statement in Operational Specifications:
Published 22 Dec 70.

Volume: 4-71

- (12) 21DC001 - Delete FACTS:
Published 9 Sep 70.
- (13) 22 DC015 - Reinitiate Action Change:
Published 15 Sep 70.
- (14) 22DC018 - SAGE Radar Adaptation Data:
Published 15 Apr 71.
- (15) 22DC019 - 22NR Boundary:
Published 12 Feb 71.
- (16) 22DC020 - Additional Spare Display Assignment Bits and
Supplementary Driver Number:
Published 23 Feb 71.
- (17) 23DC001 - Scramble DID:
Published 9 Sep 70.
- (18) 23DC002 - Armament Expended Attention Display:
Published 9 Sep 70.
- (19) 23DC003 - RUN, Classification Column Error:
Published 19 Jan 71.
- (20) 23DC004 - SR-5 Adaptation Criteria:
Published 1 Feb 71.
- (21) 24DC001 - Erroneous Instruction for Interpretive TRAP and TRACE:
Published 13 Apr 71.

b. Miscellaneous Comments: The following are the tentative Version 52 production milestones:

- (1) Design Specification Complete - 12 Oct 71.
- (2) Base Version Available - 2 Dec 71.
- (3) Product Complete - 1 Feb 72.
- (4) Start VET Testing - 5 Feb 72.
- (5) Release Date - 26 May 72.
- (6) Programming Documentation Delivery - 26 May 72.
- (7) Official Documentation Delivery - 23 Jun 72..
- (8) Operational Date - 26 Jul 72.