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COMPLEX 576A (65-1),
LAUNCH COMPLEX
AND
MISSILE ASSEMBLY BUILDING,
Systems Integration, Acceptance Testing
And
Test Procedure Requirements:
ENGINEERING SCHEDULE D/IOC 8.0.2 & 8.0.3,
Dated: 31 March 1959

CONVAIR-
ASTRONAUTICS
APR 2 1959
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Prepared by: Engineering Planning and Estimating
Building 1, 6th Floor, Column A-4
Phone: Extension 1841

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AD-830 216 16/4,2 16/1

GENERAL DYNAMICS/ASTRONAUTICS SAN DIEGO CALIF

COMPLEX 576A (65-1), LAUNCH COMPLEX AND MISSILE
ASSEMBLY BUILDING. SYSTEMS INTEGRATION, ACCEPTANCE
TESTING AND TEST PROCEDURE REQUIREMENTS. ENGINEERING
SCHEDULE D/IOC 8.0,2 AND 8.0,3. (U)

MAR 59 59P

UNCLASSIFIED REPORT
DISTRIBUTION: NO FOREIGN WITHOUT APPROVAL OF
COMMANDER, SANSO (SMSD-STINFO) LOS ANGELES AIR
FORCE STATION, CALIF. 90045.

DESCRIPTORS: (*GUIDED MISSILES(SURFACE-TO-
SURFACE), LAUNCHING SITES), (*OPERATIONAL
READINESS, SYSTEMS ENGINEERING), BUILDINGS,
CHECKOUT PROCEDURES, ACCEPTABILITY, MILITARY
REQUIREMENTS, TEST METHODS, SCHEDULING, SEQUENCES,
GROUND SUPPORT EQUIPMENT, GUIDED MISSILE COMPONENTS,
ASSEMBLING, VISUAL INSPECTION, INSTALLATION,
LAUNCHING, CONTROL SYSTEMS, COMPATIBILITY (U)
IDENTIFIERS: ATLAS (U)

THE ENCLOSURES SUPERSEDE ALL PREVIOUS SCHEDULES AND
ARE THE OFFICIAL ENGINEERING SCHEDULE FOR
INTEGRATION TESTING OF GSE AND FACILITY
EQUIPMENT INSTALLATION AT THE LAUNCH COMPLEX
AND THE MISSILE ASSEMBLY BUILDING OF 576A
(65-1). THE SCHEDULES REFLECTED ARE BASED UPON
THE WEEKLY STATUS REPORT PER INTEGRATED TEST PLAN.
(AUTHOR) (U)

31 March 1959

To: Distribution

From: W. G. Bennett

Subject: Integration Test Schedule, Complex 65-1

Reference: (a) Integration Test Plan, Complex 65-1, VAFB-1 dated 9 October, 1958.
(b) Integration Test Plan, Complex 65-1, VAFB-2 Re. B, dated 29 January, 1959.

Enclosure: (1) Legend and Glossary.
(2) Distribution List.
(3) List of Effective Pages for D/IOC 8.0.2 and 8.0.3.
(4) Status Test Procedure Requirements D/IOC 8.0.2 and 8.0.3.
(5) Engineering Schedule D/IOC 8.0.2 dated 31 March, 1959.
(6) Engineering Schedule D/IOC 8.0.3, dated 31 March 1959.

1. Enclosures (1) and (2) are the standard Legend Glossary and Distribution List for Engineering Schedules D/IOC 8.0.2 and 8.0.3. Enclosure (4) lists test procedures by Integrated Test Plan paragraph number and gives their status.
2. Enclosures (5) and (6) supersede all previous schedules D/IOC 8.0.2 and 8.0.3, and are the official engineering schedule for Integration Testing of GSE and Facility Equipment installation at the Launch Complex and the Missile Assembly Building of 576A (65-1). The schedules reflected in Enclosures (5) and (6) are based upon the weekly status report per integrated test plan prepared by Department 576, Vandenberg Air Force Base.


W. G. Bennett
Assistant Supervisor
Engineering Planning & Estimating

D/IOC 8.0.2 and 8.0.3

LEGEND .. GLOSSARY

The Legend - Glossary is explained as follows:

- a. VAFB-2 Para. No. 1.1.6-1.1.6.2: Corresponds to the paragraphs in the Integrated Test Plan describing a particular test.
- b. 27-92103, AZE-27-006, F, etc: The number of the procedure required to conduct the test described in the paragraph "F" indicates that procedures are to be obtained from a facility contractor by Vandenberg Operations.
- c. 535-9, 579-5, etc: The function responsible for writing the procedure whose number appears on the same line.
- d. The scheduled date for performing the test. Different schedule bars on the same line indicate the different dates for Launchers 1, 2 and 3.
- e. Indicates progress on scheduled test.
- f. Indicates slippage of scheduled test.
- g. Release dates of all procedures are indicated next to the procedure numbers.

Engineering Schedule D/IOC 8.0.2 and 8.0.3

ENCLOSURE (1)

INTEGRATION TEST SCHEDULES, COMPLEX
DISTRIBUTION LIST
D/IOC 8.0.2 and D/IOC 8.0.3

DEPT	NAME	NUMBER COPIES	DEPT	NAME	NUMBER COPIES
150-00	C. R. Walker	1	535-50	A. E. Munson	1
270-00	K. Klimberg	1		A. J. Vonderwische	1
270-00	R. Sanchez, Jr	1		F. Beale	1
290-00	V. G. Melquest	1	535-70	J. W. Hanna	1
322-30	H. Rice	2	537-10	A. Traskell	1
510-00	C. J. Dunn	1	537-30	S. Stein	1
	J. Scott	1	537-50	G. W. O'Hare	1
521-20	J. A. Lasater	1	537-70	L. Muller	1
	L. E. Bennett	1		A. Cox	1
	W. R. King	1	541-10	A. I. Ames	1
	C. W. Younger	1	543-00	W. D. Walker	1
	J. Delasalas	1	543-10	J. F. Langston	1
	J. Shawbaker	1		C. Y. Thompson	1
521-24	D. T. Griffin	1	545-50	W. D. Snell	1
	P. V. Teneau	1	547-10	D. M. Hill	1
	A. Holzman	1		H. C. Hymas	1
	C. S. Kempff	1		R. J. Reyburn	1
521-25	C. G. Perdue	1		B. A. Penners	1
530-00	J. L. Bowers	1	547-20	J. X. Mulvey	1
531-00	G. C. Congdon	1	549-30	J. Saugier	1
531-20	A. W. Koenig	1	551-70	G. C. Tweed	1
	C. H. Dyess	1	576	T. E. Bourke	(16)
	J. F. Carberry	1	578-00	P. J. Lynch	1
531-30	D. W. Heagy	1	578-10	J. B. Martin	1
535-00	C. Bierman	1		H. R. MacDonald	1
535-10	L. W. Standley	1	579-50	D. K. Squires	1
535-30	R. I. Kreisler	1		G. E. Wilkins	1
	D. S. Jenkins	1			

LIST OF EFFECTIVE PAGES

D/IOC 8.0.2

1.0	17.0
2.0	18.0
	19.0
3.0	20.0
4.0	21.0
5.0	22.0
6.0	23.0
7.0	24.0
8.0	25.0
9.0	26.0
10.0	27.0
11.0	28.0
12.0	29.0
13.0	30.0
14.0	31.0
15.0	
16.0	

D/IOC 8.0.3

1.0	9.0
2.0	10.0
3.0	11.0
4.0	12.0
5.0	13.0
6.0	14.0
7.0	15.0
8.0	

Engineering Schedule D/IOC 8.0.2 and 8.0.3

ENCLOSURE (3)

Status Test Procedure Requirements
Engineering Schedule D/IOC 8.0.2

VAFB-2				VAFB-2			
Para. No.	Procedure	Group	Released	Para. No.	Procedure	Group	Released
1.1.6-1.1.6.2	27-92101	531-2	1-20-59	3.2.3.4-3.2.3.5	27-92073A	537-1	12-8-58
1.1.7-1.1.7.1	27-92101	531-2	1-20-59	3.2.4.1-3.2.4.4	27-92077	535-9	12-4-58
1.1.9-1.1.9.1	27-92086	531-2	1-29-59	4.2.2	27-94007	531-2	1-27-59
1.2.5-1.2.5.2	27-92103	531-2	1-13-59	4.3.2	27-94007	531-2	1-27-59
1.2.7-1.2.7.2	27-92103	531-2	1-13-59	5.1.1.9	27-92088	579-5	1-19-59
1.2.8-1.2.8.2	27-92105A	579-5	3-5-59	5.1.2.6	27-92088	579-5	1-19-59
1.2.9-1.2.9.1	27-92086	531-2	1-29-59	5.1.3.6	"	"	"
2.1.1.1-2.1.4.3	VTP-N-003	576	"	5.1.4.6	"	"	"
2.2.3.1-2.2.3.4	27-92053	535-7	11-25-58	5.1.5.1-5.1.5.4	27-92056	531-2	12-4-58
2.2.4.6-2.2.4.8	27-94007	531-2	1-27-59	5.1.5.6	27-92088	579-5	1-19-59
2.3.1.1-2.3.2.2	27-94004A	531-2	2-4-59	5.1.6.1-5.1.6.5	VTP-N-004	576	"
2.3.1.3	27-94009	531-2	12-30-58	5.1.6.6	27-92088	579-5	1-19-59
2.3.2.1	27-94004A	531-2	12-30-58	5.17.1-5.1.7.5	VTP-N-004	576	"
2.3.2.2	AZM-27-138	535-7	2-9-59	5.2.1-5.2.2	VTP-N-007-	576	"
2.3.2.5	27-94009	531-2	12-30-58	5.3.1.1	VTP-N-005-	576	"
3.1.1	AZM-27-071	535-7	10-15-58	5.3.1.3	27-92094	531-2	1-13-59
	AZM-27-074	531-2	11-25-58	5.3.2.1	VTP-N-005	576	"
3.1.1.1-3.1.2.1	AZM-27-053	541-7	11-25-58	5.3.2.3	27-94094	531-2	1-13-59
3.1.2.2	27-92074	531-2	11-25-58	5.4.1-6.1.1.3	VTP-N-005	576	"
3.1.2.3-3.1.2.4	AZM-27-071	535-7	10-15-58	6.1.1.4	27-92094	531-2	1-13-59
3.1.2.5	27-92076	535-9	11-10-58	6.2.1.1-6.2.1.3	27-92097A	531-2	1-13-59
3.2.1.1-3.2.1.4	27-92076	535-9	11-10-58	6.2.1.4	27-92097A	531-2	2-2-59
3.2.1.5	27-92073A	537-1	12-8-58	6.3.1-6.3.3	27-92052A	535-5	1-19-59
3.2.1.6-3.2.1.12	27-92076	535-9	11-10-58	6.3.4	27-92052A	535-5	1-19-59
3.2.2.1-3.2.2.2	27-92054	531-2	1-20-59	7.1.1-7.2.2	VTP-N-008	576	"
	Deck 29	RCA	12-22-58	7.1.3	VTP-N-009	576	"
3.2.2.3	27-92054	531-2	1-20-59	7.1.4-7.1.5	27-92099	531-2	2-15-59
3.2.3.1	27-92073A	537-1	12-8-58	7.2.3-7.2.4	27-92099	531-2	"
3.2.3.2-3.2.3.3	27-92077	535-9	12-4-58	7.3	27-94007	531-2	1-27-59

ENCLOSURE (4)

Status Test Procedure Requirements (Continued)
Engineering Schedule D/IOC 8.0.2

VAFB-2				VAFB-2			
Para. No.	Procedure	Group	Released	Para. No.	Procedure	Group	Released
8.1.1.1-8.1.1.2	27-92078A	531-2	1-16-59	8.3.5-8.3.7	Deck 14	RCA	12-8-58
8.1.2.1	AZE-27-006	535-5	11-10-58	9.1.3	27-92067	537-1	1-26-59
8.1.5.2-8.1.5.3	AZE-27-006	535-5	11-10-58	9.2.1-9.2.4	27-92123	537-1	1-23-59
8.1.5.5	Deck 31	RCA	12-29-58	9.3.1	27-92914	531-2	12-15-59
8.1.5.6	27-94007	531-2	1-27-59	9.3.2	27-92068A	537-1	12-29-58
8.1.5.7	27-92057	535-5	12-29-58	9.3.3	27-92069	531-2	1-30-59
8.1.6.1-8.1.6.3	27-92108	535-5	2-9-59	9.3.4	27-92069	531-2	1-30-59
8.1.7.1-8.1.7.4	AZE-27-006	535-5	11-10-58	9.3.5	27-92083	537-1	11-28-58
8.1.7.5-8.1.7.8	AZE-27-007	535-5	1-27-59	10.1.1, 3	27-92078A	531-2	1-16-59
8.1.7.9-8.1.7.10	27-94007	531-2	1-27-59	10.1.2, 1-10.1.2, 7	27-92081A	537-1	1-13-59
8.1.8.1-8.1.8.7	AZE-27-007	535-5	11-10-58	10.1.5	27-92072	537-1	2-9-59
8.1.9.0-8.1.9.2	27-92079A	535-5	2-13-59	10.2.1, 3	27-92084A	537-1	1-8-59
8.1.9.4	Deck 26	RCA	12-15-58	10.2.2, 2	27-92083	537-1	11-17-58
8.1.9.5-8.1.9.6	27-92062	531-2	12-20-58	10.2.2, 3-10.2.2, 4	27-92123	537-1	12-25-58
8.1.10.1-8.1.10.2	27-92075A	535-5	2-3-59	10.2.2, 5	27-92083	537-1	11-17-58
8.1.11.4	Deck 201	RCA	12-1-58	10.2.2, 6-10-2-2, 7	27-92130	531-2	2-25-59
8.1.11.5	Deck 14	RCA	12-8-58	10.2.2, 8	27-92123	537-1	12-25-58
8.1.12.1	27-92127	537-1	1-20-59	10.2.2, 9	27-92083	537-1	11-17-58
8.2.1.4	Deck 1C	RCA	2-2-59	10.2.2, 10	27-92123	537-1	12-25-58
8.2.2.1	Deck 26	RCA	12-15-58	10.2.2, 11-10.2.2, 12	27-92083	537-1	11-17-58
8.2.3.1	27-92080	537-1	11-28-58	10.2.2, 13	27-92084	537-1	11-25-58
8.2.4.1	27-92063	537-1	12-29-58	10.3.1	Deck 24	RCA	2-9-59
8.2.5.1-8.2.5.8	27-92064A	531-2	1-30-59	10.3.2	27-92072	537-1	2-9-59
8.2.6.1-8.2.6.4	27-92065	535-5	12-29-58	10.3.4-10.3.4, 4	27-92072	537-1	2-9-59
8.3.1	EOP410.651.1	270-2	2-2-59	10.4.1, 1-10.4.1, 9	27-92085	531-2	2-8-59
8.3.2	EOP410.651.6	270-2	2-2-59	11.1.1, 1-11.1.1, 3	27-92046	535-9	11-26-58
8.3.3	EOP410.651.1	270-2	2-2-59	11.1.2, 2	27-92047	535-9	12-10-58
8.3.4	EOP410.651.1	270-2	2-2-59	11.1.2, 5-11.1.2, 8	27-92048	535-9	1-30-59
				11.1.2, 9	Deck 61A	RCA	2-2-58
				11.1.2, 11	27-92048	535-9	1-30-59

ENCLOSURE (4)

Status Test Procedure Requirements (Continued)
Engineering Schedule D/IOC 8.0.2

VAFB-2				VAFB-2			
Para. No.	Procedure	Group	Released	Para. No.	Procedure	Group	Released
11.1.3.1	27-92046	535-9	11-26-58	14.1.1.3	EOP330, 31, 3	270-2	11-17-58
11.1.3.2	Deck 28	RCA	12-1-58	14.1.1.4	EOP 330, 145A	270-2	10-8-58
11.2.1.1-11.2.1.4	27-92051	535-9	1-23-59	14.1.2	27-92011	531-2	10-17-58
11.2.2.1	27-92049	535-9	1-27-59	14.1.3.1	27-92030	531-2	12-15-58
11.2.2.2	Deck 52	RCA	12-1-58	14.1.4.1	27-92031	531-2	12-15-58
11.2.3.1	27-92049	535-9	1-27-59	14.4-14.4.1	Deck 11	RCA	12-1-58
11.2.3.2	Deck 52	RCA	12-1-58	14.4.2	27-94007	531-2	1-27-59
12.1.1.1-12.1.1.2	27-92042	531-2	12-15-58	14.5.1.2			
12.1.2.1	27-92031	531-2	12-15-58	14.5.1.3			
12.2.1.1-12.2.2	Deck 32	RCA	12-8-58	14.6			
12.3.2	27-92106	531-2	2-13-59	15.1.1.1, 1.1	27-94007	531-2	1-27-59
12.5.1	27-94007	531-2	1-27-59	15.1.1.2	SE-A7-10 (GE recommends no test)	531-2	11-14-58
13.1.1.1	27-94004A	531-2	2-4-59	15.1.1.3.1	A7 905561	GE	GE 12-10-58
13.2	27-92023	531-2	11-1-58		PS-58E-1	GE	GE 12-1-58
13.3.1-13.3.2	27-92127	537-1	12-15-58		27-92033	531-2	11-28-58
13.3.3	27-92127	537-1	12-15-58	15.1.1.3.2	27-92030	531-2	12-15-58
13.3.4-13.3.6	27-92111A	537-1	1-28-59	15.1.1.4.1	27-92031	531-2	12-15-58
13.3.8	27-92024A	531-2	12-15-59	15.1.2	Deck 15-	RCA	1-5-59
13.3.9-13.3.10	27-92111A	537-1	1-28-59	15.1.3	58SD716	GE (531 2)	
13.4.1	27-92112	537-1	1-12-59	15.1.4.1	PS-58E-2-GE	GE	12-1-58
13.4.2	27-92127	537-1	1-20-59		Deck 15	RCA	
13.5.1	Deck 31A	RCA	12-29-58	15.1.4.2	Deck 1A	RCA	2-2-59
13.5.2	Deck 13	RCA	1-5-59	15.1.6.1.1	27-94007	531-2	1-27-59
13.5.4	Deck 13	RCA	1-5-59	15.2.1.1	27-94004A	531-2	2-4-59
13.5.5-13.5.6	Deck 51	RCA	12-29-58	15.2.3	58SD716	GE	
13.6.2	27-92115	537-1	1-20-59	15.2.5	27-94007	531-2	1-27-59
13.6.3	27-92116	537-1	1-20-59	16.1.1.1	EOP330, 141, 1	270-2	11-28-58
13.7	27-94007	531-2	1-27-59	16.1.1.2	EOP330, 156, 3	270-2	11-21-58
14.1.1.1	EOP330, 20, 1	270-2	1-30-59	16.1.2	27-92021	531-2	8-19-58
	EOP330, 20, 2	270-2	1-30-59	16.1.3, 1-16, 1 3, 4	27-92022	531-2	8-19-58
14.1.1.2	EOP330, 108, 1	270-2	11-20-58	16.1.4.1	27-92031	531-2	12-15-58
	EOP330, 80, 1	270-2	6-3-58	16.2.1	Deck 1B-1	RCA	2-2-59

ENCLOSURE (4)

Status Test Procedure Requirements (Continued)
Engineering Schedule D/IOC 8,0,2

VAFB-2 Para. No.	Procedure	Group	Released
16.4.1.1-16.4.1.5.4	Deck 12	RCA	12-22-58
17.5	27-92054	531-2	1-20-59
17.6	EOP 110.1	270-2	2-13-58
17.7	27-92036	531-2	12-16-58
17.8	27-92506		4-1-59
17.11	27-92036	531-2	12-16-58
19.1.1	27-94014	531 2	1-14-59

ENCLOSURE (4)

STATUS

VAEB-1

ENCLOSURE (4)

Status Test Procedure Requirements (Continued)
Engineering Schedule D/IOC 8.0.3

VAFB-1				VAFB-1			
Para. No.	Procedure	Group	Release	Para. No.	Procedure	Group	Release
6.3.9	Deck 71A-3	531-2	2-2-59	7.2.3.7-			
	Deck 84	531-2	1-20-59	7.2.3.8	Deck 81	531-2	1-12-59
6.4.2-6.4.5	27-92109	535-5	2-2-59	8.1.8.3	Deck 96	RCA	1-19-59
6.4.6-6.4.9	Deck 71A-4	531-2	2-2-59		Deck 91	RCA	1-20-59
	Deck 84	531-2	1-20-59		Deck 61D	RCA	2-2-59
6.5.2-6.5.4	27-92133	531-2	1-23-59	9.1	EOP 315.4.2	270-2	1-16-59
6.5.5	27-92118	537-1	1-27-59	9.2	Deck 201	RCA	12-1-58
6.5.6	27-92133	531-2	1-23-59	9.3-9.4	Deck 81	531-2	1-12-59
7.1.1-7.1.4	27-92046	535-9	12-7-58		Deck 11	RCA	12-1-28
	27-92047	535-9	12-8-58	10.1.1	Deck 61C-2	RCA	2-2-59
7.1.5	27-92049	535-9	1-27-59	10.1.2	27-92133	531-2	1-23-59
7.1.6-7.1.7	Deck 28	RCA	12-1-59	10.2.3-10.2.7	27-92118	537-1	1-27-59
7.1.8	27-92046	535-9	12-7-58	10.2.8-10.2.9	Deck 71A-4	RCA	2-2-58
	27-92047	535-9	12-8-58	10.2.10-10.2.11	27-92118	537-1	1-27-59
7.1.10	Deck 28	RCA	12-1-59	10.3.2	Deck 83	RCA	1-20-59
7.2.1.1	EOP 345.65.1	270-2	1-15-59	10.3.3	27-92119	537-1	1-26-59
7.2.1.4				10.4	27-94002	531-2	12-6-58
7.2.1.7	27-92049	535-9	1-27-59		27-94003	531-2	12-23-58
7.2.1.8	Deck 81	531-2	1-12-59	10.4.1	27-94002	531-2	12-6-58
7.2.2.2				11.1-11.3.5.5	Deck 15	RCA	1-5-59
7.2.2.6	27-92049	535-9	1-27-59	12.1.1	27-92059	531-2	1-21-59
7.2.2.7	Deck 81	535-2	1-12-58	12.1.2	Spec Puse Deck		
7.2.2.8	27-92049	535-9	1-27-59	12.2.1-12.2.4	Deck 82	RCA	1-20-59
7.2.2.9	Deck 81	531-2	1-12-58	13.1	Deck 15	RCA	1-5-59
7.2.3.3-				14.1-14.2	27-92036	531-2	12-16-59
7.2.3.4	27-92051	535-9	1-23-59	14.3	27-92506	531-2	2-1-59
7.2.3.5-							
7.2.3.6	27-92049	535-9	1-27-59				

ENCLOSURE (4)

PHASE IV ACCEPTANCE PROCEDURES

PROCEDURE

ZL-7-007B
 27-94000
 27-94001
 27-94002
 27-94003
 27-94004A
 27-94005
 27-94006
 27-94007
 27-94008
 27-94009
 27-94014
 27-94015

Operational GSE System Specification
 Missile Receiving Inspection
 Checkout (SMA) for Complex 65-1 Acceptance
 Procedure
 Ready Storage
 Missile Transfer (SMA to Launch Complex)
 Missile Installation and Erection
 Missile System Checkout
 GSE System Checkout
 Launch Control
 First Readiness
 Missile Removal
 Simultaneous Countdown
 Launcher Compatibility

GROUP

531-2
 531-2
 531-2
 531-2
 531-2
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 531-2
 531-2
 531-2

RELEASE

12-2-58
 12-2-58
 3-6-59
 12-9-58
 12-29-58
 2-10-59
 3-18-59
 3-18-59
 1-28-59
 3-6-59
 12-30-58
 1-14-59
 12-30-58

ENCLOSURE (4)

REFERENCE: ENGINEERING SCHEDULE D/IOC-808 VAFB-2

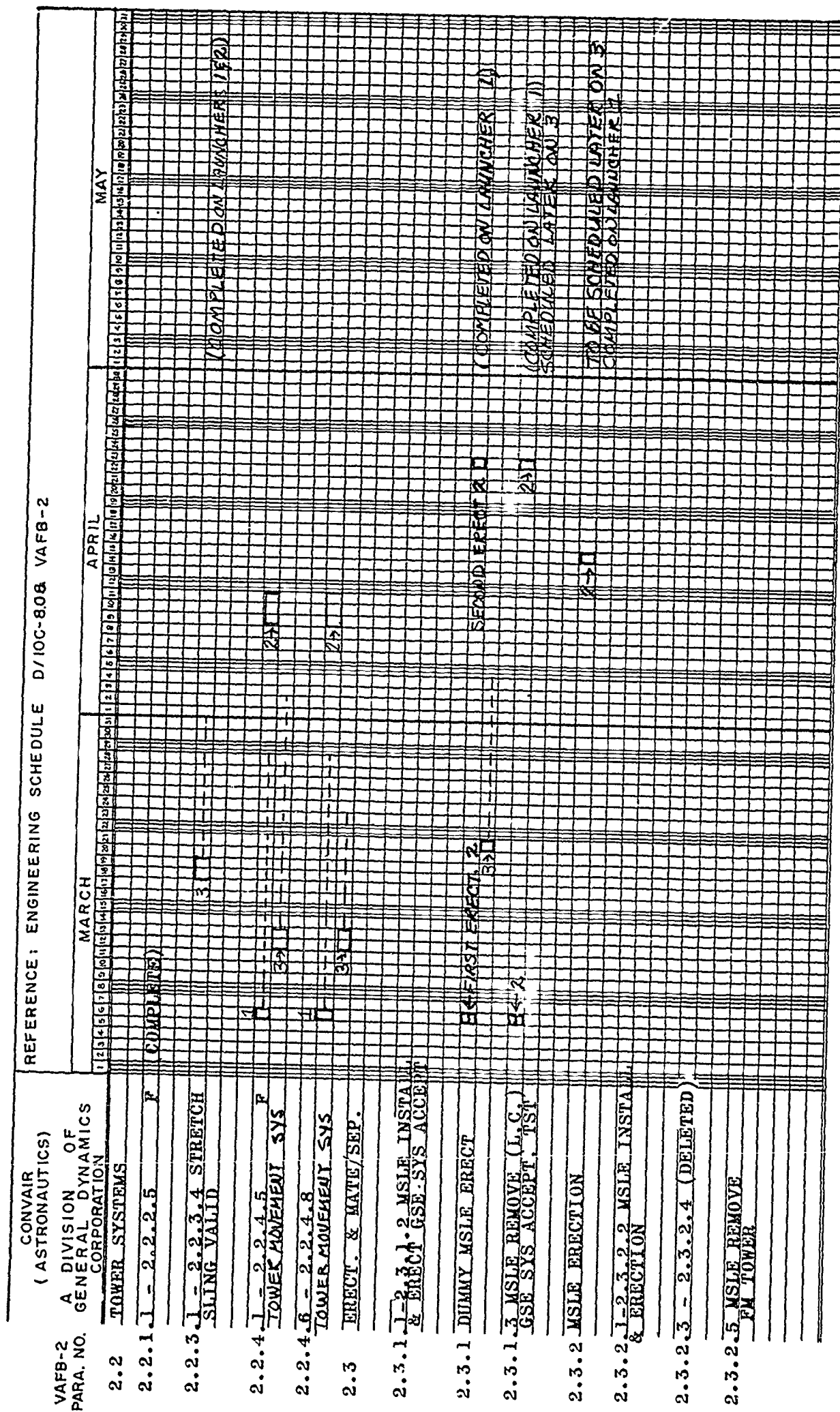
VAFB-2 PARA. NO.		CONVAIR (ASTRONAUTICS) A DIVISION OF GENERAL DYNAMICS CORPORATION		MARCH												APRIL												MAY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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COMPLETED ON LAUNCHER 2

COMPLETED ON LAUNCHERS 1/2

COMPLETED ON LAUNCHER 2/3

COMPLEX 576 A (65-1), VANDENBERG AFB
LAUNCH COMPLEX
SYSTEMS INTEGRATION, ACCEPTANCE TESTING & TEST PROCEDURE REQUIREMENTS



COMPLEX 576 A (65-1), VANDENBERG AFB
LAUNCH COMPLEX
SYSTEMS INTEGRATION, ACCEPTANCE TESTING & TEST PROCEDURE REQUIREMENTS

CONVAIR
(ASTRONAUTICS)

VAFB-2
PARA. NO.

A DIVISION OF
GENERAL DYNAMICS
CORPORATION

3.0 LAUNCHER

3.1 LAUNCH MECH INSTALL MAINT & ALIGN

3.1. INITIAL MAINT & ALIGN

3.1.1.1-3.1.2.4 ERECTOR TRUNNION INSTALL

3.1.2.5 LK C/O LAUNCH LINES INSTAL

3.2. LAUNCH SYS PRESS
& LK CKS

3.2.1.1-3.2.1.4 LK C/0
LAUNCH LINES INSTA

3.2.1 LAUNCH, ELECT SYS 24

3.2.1.5 FUEL & OXID. FILL
& DRAIN VALVE VALID. TEST

3.2.1.6-3.2.1.12 LK 2
C/O LAUNCH LINES

3.2.2 LAUNCH, ELECT SYS

3.2.2.1-3.2.2.2 LAUNCH
ELECT SYS VALID

(COMPLETED ON LAUNCHER 1 83)

COMPLETED ON LAUNCHER 1

(COMPLETED ON 4/24/67)

COMPLETED ON LAUNCHER 12

COMPLETED ON LAUGHER 11

COMPLETED ON LAUNCHER 1))

COMPLETED ON LAUNCHER 11/83

COMPLETED ON 11/14/2008 1333

COMPLEX 576 A (65-1), VANDENBERG AFB

LAUNCH COMPLEX

SYSTEMS INTEGRATION, ACCEPTANCE TESTING & TEST PROCEDURE REQUIREMENTS

CONVAIR
(ASTRONAUTICS)

VAFB-2
PARA. NO.

3.2.2.3 LAUNCH ELECT SYS
VALID

3.2.3 LAUNCH CONTROLS

3.2.3.1 FUEL & OXD FILL & DRAIN VALVE VALID

3.2.3.2 - 3.2.3.3 LAUNCH
HYD PNEU. SYS FUNCT
C/O VALID

3.2.3.4 - 3.2.3.5 FUEL & OXID. FILL & DRAIN VALVE VALID.

~~3.2.3.6 - 3.2.3.7 (DELETED)~~

3.2.4 COLD RELEASE TST'S

3.2.4.1 LAUNCH HYD - PNEU
--SYS FUNCT C/O VALID

3.2.4.2 LAUNCH HYD -
PNEU.SYS FUNCT C/O

3.2.4.3 - 3.2.4.4 LAUNCH
HYD. - PNEU. SYS
FUNCT C/O VALID.

APRIL

MARCH

MAY

COMPLETED BY LAUNCHER 18/3

COMPLETED ON LAUNCHER 31

(COMPLETED ON LAUNCHER 1)

COMPLETED ON 10/11/1968

COMPLETED ON LAUNCHER 11

COMPLEX 576 A (65-1), VANDENBERG AFB

LAUNCH COMPLEX

SYSTEMS INTEGRATION, ACCEPTANCE TESTING & TEST PROCEDURE REQUIREMENTS

REFERENCE: ENGINEERING SCHEDULE D/IOC-8.08 VAFB-2

CONVAIR
(ASTRONAUTICS)

VAFB-2 A DIVISION OF
PARA. NO. GENERAL DYNAMICS
CORPORATION

4.0 COMMUNICATION SYSTEM

4.1 DIAL SYSTEM

4.2-4.2.1 CONFERENCE NETWORK

4.2.2 GSE SYS ACCEPT TST

4.3-4.3.1 STRATEGIC ALERTING SOUND SYSTEM

4.3.2 GSE SYS ACCEPT
TST

5.0 WATER & FIRE PROTECT. SYS

5.1 LAUNCH COOLANT & FIREX SYSTEMS

5.1.1 FLAME DEFELECT COOLANT

5.1.1-5.1.8

5.1.1.9- LAUNCH AREA
COOLANT FOG & DELUGE

5.1.2 LAUNCH PAD COOLANT

5.1.2.1-5.1.2.5 F

COMPLEX 576 A (65-1), VANDENBERG AFB

LAUNCH COMPLEX

SYSTEMS INTEGRATION, ACCEPTANCE TESTING & TEST PROCEDURE REQUIREMENTS

CONVAIR
(ASTRONAUTICS)

VAFB-2 A DIVISION OF
PARA. NO. GENERAL DYNAMICS
CORPORATION

A. NO.	A DIVISION OF GENERAL DYNAMICS CORPORATION	MARCH																															APRIL																															MAY																																
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5.1.2.6	LAUNCH AREA COOLANT FOG & DELUGE SYS																																																																																															
5.1.3	TENDER PLATFORM FOG	(PARAGRAPH 5.1.3 COMPLETED ON JANUARYS 1, 2, 3)																																																																																														
5.1.3.1-5.1.3.5	F																																																																																															
5.1.3.6	LAUNCH AREA COOLANT & DELUGE SYS																																																																																															
5.1.4	LAUNCH PLATFORM DELUGE	(PARAGRAPH 5.1.4 COMPLETED ON JANUARYS 1, 2, 3)																																																																																														
5.1.4.1-5.1.4.5	F																																																																																															
5.1.4.6	LAUNCH AREA COOLANT FOG & DELUGE SYS.																																																																																															
5.1.5	ANTI-FIRE & SKIRT FIREX	(PARAGRAPH 5.1.5 COMPLETED ON JANUARYS 1, 2, 3)																																																																																														
5.1.5.1-5.1.5.4	ANTI-FIRE & FIREX LAUNCH ONLY																																																																																															
5.1.5.5	F																																																																																															
5.1.5.6	LAUNCH AREA COOLANT FOG & DELUGE SYS																																																																																															

COMPLEX 576 A (65-1), VANDENBERG AFB

LAUNCH COMPLEX

SYSTEMS INTEGRATION, ACCEPTANCE TESTING & TEST PROCEDURE REQUIREMENTS

CONVAIR
(ASTRONAUTICS)
A DIVISION OF
GENERAL DYNAMICS
CORPORATION

CONVAIR
(ASTRONAUTICS)

VAFB-2 A DIVISION OF
PARA. NO. GENERAL DYNAMICS
CORPORATION

MAY

APRIL

MARCH

[illegible]

5.1.6 FUEL CONT. RM FOG

5.1.6.1-5.1.6.5 FLUSH
PUMP SYS

5.1.6.6 LAUNCH AREA
COOLANT FOG &
DELUGE SYS.

5.1.7 FUEL CONTROL
ROOM DELUGE

5.1.7.1-5.1.7.5 F.

5.1.7.6 LAUNCH AREA
COOLANT FOG & DELUGE
SYS.

5.1.8 FUEL TRANSFER FM
GOF

5.1.8.1-5.1.8.3 F

5.1.8.4- LAUNCH AREA COOL
FOG & DELUGE SYS

5. 1.9 PM DELUGE

5.1.9.1-5.1.9.5 8

5.1.9.6 LAUNCH AREA
COOLANT FOG & DELUGE
SYS.

(PARAGRAPH 5.1.7 COMPLETE ON LANDCOVER 1243)

7 PARAGRAPH 5 1.9 COMPLETE DON'T MARCHES IN 2.3

COMPLEX 576 A (65-1), VANDENBERG AFB

LAUNCH COMPLEX

SYSTEMS INTEGRATION, ACCEPTANCE TESTING & TEST PROCEDURE REQUIREMENTS

[illegible]

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PARA. NO. GENERAL DYNAMICS
 CORPORATION

5.4 FIRE DETECT SYS

5.4.1 CK L02_RM DETECT

5.4.2 RF

5.5 GAS DETECT & DECONTAM SYS

5.5.1 CK RP-1: LOX & CO₂ DETECTORS

5.5.2

FIRE ALARM SYS

5.6.1 CK ALARM STATIONS & CIRCUITRY

5.6.2 INTRO SIGNALS EACH STATION

6.0 AIR CONDITIONING & MSLE HEAT SYS

8.1 LOB AIR COND. SYS

6.1.1.1-6.1.1.3 F

6.1.1.4 EMERG. VENT SYS
LCI & FUNCT C/O

COMPLEX 576 A (65-1), VANDENBERG AFB

LAUNCH COMPLEX

SYSTEMS INTEGRATION, ACCEPTANCE TESTING & TEST PROCEDURE REQUIREMENTS

CONVAIR
(ASTRONAUTICS)

VAFB-2
PARA. NO.

6.2 LSB AIR COND SYS

6.2.1 VENT CONS. COOL & MSLE POD COOL SYS

6.2.1.1-6.2.1.3 L & SB
VENT CONSOLE & MSLE
POD COOL SYS VALID

6.2.1.4 LSB VENT CONSOLE
& MSLE POD COOL

6.3 THRUST SECTION HEAT

~~6.3.1-6.3.4 THRUST~~
~~SECT. HEAT VALID.~~

7.0 **INSTRUMENT**
COMPRESSED AIR
SYSTEM

7.1 PNEU. SUPPLY SYS C/O

7.1.1-7.1.2 F

7.1.3 _____ F

7.1.4-7.1.5 ICA PNEU.
SUP SYS LOB C/O

COMPLEX 576 A (65-1), VANDENBERG AFB

LAUNCH COMPLEX

SYSTEMS INTEGRATION, ACCEPTANCE TESTING & TEST PROCEDURE REQUIREMENTS

CONVAIR
(ASTRONAUTICS)
A DIVISION OF
GENERAL DYNAMICS

7.2 EMERG. PNEU. SUP
SYS C/O

7.2.1-7.2.2

7.3 CK INSTRUMENT AIR SYS

8.0 PRESSURIZATION SYSTEM

8.1 GASEOUS N₂ SYS

8.1.1 FUEL CHG. SYS C/O
LOCAL CONT.

B.1.1.1-8.1.1.2 FUEL
TRANSFER SYS
VALID PROCED.

3.1.2 NCU CHG. SYS C/O
LOCAL CONTROL

3.1.2.1 N₂ CONTROL
UNIT OPER PROCED.

3.1.3 (DELETED)

~~3.1.3.1 (DELETED)~~

1.4-8.1.4.2 (DELETED)

1.5. SYS C/O LAUNCH CONTROL & APChE

1.5.1 CK SWITCH CONNECTIONS F.

COMPLEX 576 A (65-1), VANDENBERG AFB

LAUNCH COMPLEX

SYSTEMS INTEGRATION, ACCEPTANCE TESTING & TEST PROCEDURE REQUIREMENTS

VAFB-2
PARA. NO. _____
CONVAIR
(ASTRONAUTICS)
A DIVISION OF
GENERAL DYNAMICS
CORPORATION

8.1.5.2-8.1.5.3 N₂ CONTROL
UNIT OPER PROCED.

8.1.5.4 ~~(DELETED)~~

8.1.5.5 APChE PROP
SYS C/O

8.1.5.6 GSE SYS ACCEPT
TEST

8.1.5.7 NOSE CONE PRESS
SYS VALID

3.1.6 GN₂ RECHARGER

3.1.6.1-8.1.6.3 GN₂
RECHARGER₂ VALID

3.1.7 N₂ CONT. UNIT C/O

1.7.1-8.1.7.4 N₂ CONT. UN

1.7.5-8.1.7.8 N₂ CONT
UNIT

.1.7.9-8.1.7.10 GSE
SYS ACCEPT. TEST

1.8 N₂ CHG PANEL C/O

1.8.1-8.1.8.7 N2 CHG
PANEL OPER. PROCED.

TO BE SCHEDULED ONLY
SCHEDULED 6/23-7/27 FOR 3

TO BE SCHEDULED ON 7,
COMPLETED ON 11/11/53
TO BE SCHEDULED ON 1,
COMPLETED ON 11/11/53

COMPLETED ON 1/21/1968

SCHEDULED 6/7/39 - 7/6 FOR 3

COMPLETED ON 10/11/1987

COMPLETED ON 11/11/19

COMPLEX 576 A (65-1), VANDENBERG AFB

LAUNCH COMPLEX

SYSTEMS INTEGRATION, ACCEPTANCE TESTING & TEST PROCEDURE REQUIREMENTS

REFERENCE: ENGINEERING SCHEDULE D/IOC-8.0.8 VAFB-2

CONVAIR (ASTRONAUTICS)	MARCH	APRIL	MAY
	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
VAFB-2 A DIVISION OF PARA. NO. GENERAL DYNAMICS CORPORATION			
8.1.9 PRESS. CONT. UNIT			
8.1.9.1-8.1.9.2 PCU VALID			
8.1.9.3 F (DELETED)			
8.1.9.4 APACHE PNEU SEQ C/O			
8.1.9.5-8.1.9.6 (DELETED)			
8.1.10 DYN C/O UNIT & ULLAGE SIM ASSY			
8.1.10.1-8.1.10.2 DYN & ULLAGE SIMUL. ASSY C/O UNITS VALID			
8.1.10.3-8.1.10.4 F			
8.1.11 PCU TST SEQ/PCU C/O WITH PCU & ULLAGE SIMULATION			
8.1.11.1-8.1.11.3 LO2 FUEL PRESS			
8.1.11.4 (DELETED)			
8.1.11.5 /PACHE PNEU SYS C/O			
8.1.11.6-8.1.11.7 (DELETED)			

(COMPLETED ON LAUNCHER 1/2)

(COMPLETED ON LAUNCHER 1)

(COMPLETED ON LAUNCHER 1,2)

COMPLETED ON LAUNCHER 1

TO BE SCHEDULED LATER ON /22
SCHEDULED 5/11 + 5/14 FOR 3

COMPLEX 576 A (65-1), VANDENBERG AFB
LAUNCH COMPLEX
SYSTEMS INTEGRATION, ACCEPTANCE TESTING & TEST PROCEDURE REQUIREMENTS

4.2.3.1 INFLIGHT CHG & EMERG
SUB-SYS LOCAL CONTROL

COMPLETED ON LAUNCHER 1

PAGE 14.0

CONVAIR
(ASTRONAUTICS)
A DIVISION OF
GENERAL DYNAMICS
CORPORATION

8.2.4 EMERG. SUB-SYS

8.2.4.1 INFLIGHT CHG &
EMERG SUB-SYS LOCAL
CONTROL C/O

8.2.5 HELIUM COMP C/O

8.2.5.1-8.2.5.8 HELIUM
COMP VALID PROCED.

8:2.6 TOWER EMERG. PRESS.

8.2.6.1-8.2.6.4 TOWER
PRESS SYS VALID

8.3 AIRBORNE PNEU SYS

8.3.1 MSLE - BORNE PNEU.
PRESS SYS MAX OPER
PRESS TST

8.3.2 HE BOTTLE SHROUD
PCU-LN₂ FLOW CK

8.3.3-8.3.4 MSLE-BORNE
PNEU. PRESS SYS

8.3.5-8.3.7 APChE PNEU
SYS C/O

COMPLEX 576 A (65-1), VANDENBERG AFB

LAUNCH COMPLEX

SYSTEMS INTEGRATION, ACCEPTANCE TESTING & TEST PROCEDURE REQUIREMENTS

REFERENCE: ENGINEERING SCHEDULE D/IOC-8.08 VAFB-2

VAFB-2 PARA. NO.		CONVAIR (ASTRONAUTICS) A DIVISION OF GENERAL DYNAMICS CORPORATION		REFERENCE: ENGINEERING SCHEDULE D/IOC-8.08 VAFB-2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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COMPLEX 576 A (65-1), VANDENBERG AFB
LAUNCH COMPLEX
SYSTEMS INTEGRATION, ACCEPTANCE TESTING & TEST PROCEDURE REQUIREMENTS

REFERENCE: ENGINEERING SCHEDULE D/IOC-8.08 VAFB-2

VAFB-2
PARA. NO. 1
CONVAIR
(ASTRONAUTICS)
A DIVISION OF
GENERAL DYNAMICS
CORPORATION

~~10.1.1.3 FUEL TRANS~~
~~SYS VALID~~

10.1.2 PRESS TSTS

10.1.2.1-10.1.2.7
FUEL TRANS LINE
VALID.

10.1.3 FUEL SYS WET
TST WITH MAINT
PANEL CONTROL

10.1.4 FUEL SYS WET TST

~~10.1.4.1 (DELETED)~~

10.1.5 OPER. FUEL
TANK

10.2. L0, SYS

10.2.1.1-10.2.1.2 F

10.2.1.3 L02 TRANS SYS
VALID

10.2.2 PRESS & LK C/O

10.2.2.1-10.2.2.2 L0
TRANS LINE VALID

MAY

APRIL

MARCH

COMPLETED BY 2/28/84

TO BE SCHEDULED LATER ON 1283

COMPLETED ON LAUNCHER 1,
SCHEDULED 6/14-6/22 FOR 3

SCHEDULED 7/11-7/118 FOR 3
COMPLETED ON 7 AUGUST 11

COMPLETED ON LAUNCHER 1

COMPLETED ON LAUNCHERS 18/2

COMPLEX 576 A (65-1), VANDENBERG AFB

LAUNCH COMPLEX

SYSTEMS INTEGRATION, ACCEPTANCE TESTING & TEST PROCEDURE REQUIREMENTS

CONVAIR
(ASTRONAUTICS)
A DIVISION OF
VAFB-2
PARA. NO. GENERAL DYNAMICS

	MARCH	APRIL	MAY
	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
RA. NO.			
A DIVISION OF GENERAL DYNAMICS CORPORATION			
10.2.2.3-10.2.2.4 SYS PRESS & LK TST			
10.2.2.5 LO ₂ TRAN LINE VALID			COMPLETED ON LAUNCHER 1 / 2
10.2.2.6-10.2.2.7 DCU/USA MSLE PNEU SYS APChe C/O			COMPLETED ON LAUNCHER 1
10.2.2.8 LN ₂ SYS PRESS & LK TST			
10.2.2.9 LO ₂ TRANS LINE VALID			
10.2.2.10 LN ₂ SYS PRESS & LK TST			
10.2.2.11-10.2.2.13 LO ₂ TRANS LINE VALID 2			
10.2.2.14 LO ₂ SYS PRESS & LK TST			
10.3 DYN & WET TST			
10.3.1 LO ₂ TRANS LINE VALID			TO BE SCHEDULED AFTER ONI#2
10.3.2 OPER LO ₂ TANKING			SCHEDULED 5/13 - 5/17 FOR 3
10.3.3-10.3.3.3 (DELETED)			SCHEDULED 6/22 - 7/1 FOR 3

LAUNCH COMPLEX

SYSTEMS INTEGRATION, ACCEPTANCE TESTING & TEST PROCEDURE REQUIREMENTS

CONVAIR (ASTRONAUTICS)		REFERENCE: ENGINEERING SCHEDULE D/IOC-808 VAFB-2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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COMPLEX 576 A (65-1), VANDENBERG AFB
LAUNCH COMPLEX
SYSTEMS INTEGRATION, ACCEPTANCE TESTING & TEST PROCEDURE REQUIREMENTS

CONVAIR
(ASTRONAUTICS)

VAFB-2
A DIVISION OF
PARA. NO. GENERAL DYNAMICS

11.1.2.7-11.1.2.8 TIME
CK VALVE OPER
& SEQ;

11.1.2.9 INTEGR HSU
WITH APChE

11.1.2.10 (DELETED)

11.1.2. 11-11.1.2.12 C/O
OPER. ELECT VALVES
INTEG. LOB EQUIP
WITH HSU

11.1.3 HYD SUP UNIT
VALID

11.1.3.2 (DELETED)

11.2 AIRBORNE HYD SYS

11.2.1 HYD PWR SUP
VERNIER

11.2.1-11.2.1.4 VERNIER
SOLO HYD PWR SUP
C/O

11.2.2 BOOSTER HYD SYS

11.2.2.1 MSLE HYD SYS C/O

COMPLEX 576 A (65-1), VANDENBERG AFB

LAUNCH COMPLEX

SYSTEMS INTEGRATION, ACCEPTANCE TESTING & TEST PROCEDURE REQUIREMENTS

CONVAIR (ASTRONAUTICS)		REFERENCE: ENGINEERING SCHEDULE D/IOC-808 VAFB-2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
VAFB-2 PARA. NO.	A DIVISION OF GENERAL DYNAMICS CORPORATION	MARCH															APRIL															MAY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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11.2.2.2	APChE HYD SUP UNIT FILL & BLEED OPER.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															

COMPLETED ON LAUNCHER 1 & 2

COMPLETED ON LAUNCHER 1

COMPLETED ON LAUNCHER 1

TO BE SCHEDULED LATER ON 1 & 2

COMPLEX 576 A (65-1), VANDENBERG AFB

LAUNCH COMPLEX

SYSTEMS INTEGRATION, ACCEPTANCE TESTING & TEST PROCEDURE REQUIREMENTS

		REFERENCE: ENGINEERING SCHEDULE D/IOC-8.0& VAFB-2																														
		MAY																														
		APRIL																														
		MARCH																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
VAFB-2 PARA. NO.	CONVAIR (ASTRONAUTICS) A DIVISION OF GENERAL DYNAMICS CORPORATION																															
12.2.1.1-12.2.2	APChE GR PWR SYS TST																															
12.3	INTEG OF GSE WITH LAUNCH CONTROL																															
12.3.1	INDIV MSLE ELECT & GSE WITH LOB																															
12.3.2	GPI LAUNCH CONT INTEG C/O ELECT																															
12.4-12.4.1	(DELETED)																															
12.5	SYS TST ELECT MSLE LAUNCH & CONT.																															
12.5.1	GSE SYS ACCEPT TST																															
12.6-12.6.1	(DELETED)																															
13.0	PROPULSION SYSTEM																															
13.1	SUB-SYS & COMPONENT VALID.																															
13.1.1.1	MSLE INSTAL & ERECT GSE SYS ACCEPT TST																															
13.2	VALID PROP C/O EQUIP & C/O FRID																															

LAUNCH COMPLEX

SYSTEMS INTEGRATION, ACCEPTANCE TESTING & TEST PROCEDURE REQUIREMENTS

VAFB-2 PARA. NO.	(ASTRONAUTICS) A DIVISION OF GENERAL DYNAMICS CORPORATION	CONVAIR
13.3	SUB-SYS C/O TRLR & LOCAL CONTROL	
13.3.1-13.3.2	PROP PURGE SYS ENG FLUSH MODULE - INERT FLUID ALL MODULE VALID.	
13.3.3	PROP PURGE SYS ENG FLUSH MODULE	
13.3.4-13.3.5	DEMATED LK & FUNCT TST	
13.3.6	ENG HEAT CK	
13.3.7	(DELETED)	
13.3.8	PROP SYS C/O PROCED	
13.3.9-13.3.10	DEMATED LK & FUNCT TST	
13.4	MANUAL C/O WITH MSLE MATED	
13.4.1	VALID MATED LK & FUNCT TST	
13.4.2	PROP PURGE SYS ENG FLUSH MODULE - INERT FLUID FILL MODULE VALID.	

13.3 SUB-SYS C/O TRLR
& LOCAL CONTROL

13.3.3 PROP PURGE SYS
ENG FLUSH MODULE

13.3.6 ENG HEAT CK

13.3.7 (DELETED)

13.3.8 PROP SYS C/O PROCED

13.3.9-13.3.10 DEMATED
LK & FUNCT TST

13.4 MANUAL C/O WITH
MSLE MATED

13.4.1 VALID MATED LK
& FUNCT TST

13.4.2 PROP PURGE SYS
ENG FLUSH MODULE -
INERT FLUID FILL
MODULE VALID.

COMPLEX 576 A (65-1), VANDENBERG AFB

LAUNCH COMPLEX

SYSTEMS INTEGRATION, ACCEPTANCE TESTING & TEST PROCEDURE REQUIREMENTS

CONVAIR
(ASTRONAUTICS)
A DIVISION OF
GENERAL DYNAMICS
CORPORATION

MAY

APRIL

MARCH

2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
SHAW=H																6/17 FOR 3															

TO BE SCHEDULED LATER ON 11 298

TO BE SCHEDULED LATER ON 1, 2 & 3

TO BE SCHEDULED LATER ON 1, 2, & 3

TO BE SCHEDULED LATER ON 1, 2 & 3

TO BE SCHEDULED LATER ON 1, 2 & 3

SCHEDULED 6/24-7/1 FOR 3

SCHEDULED 6/24-7/1 FOR 3

COMPLEX 576 A (65-1), VANDENBERG AFB

LAUNCH COMPLEX

SYSTEMS INTEGRATION, ACCEPTANCE TESTING & TEST PROCEDURE REQUIREMENTS

ENGINEERING SCHEDULE D/IOC-8.0 2

3-30-59 PAGE 24.0

REFERENCE: ENGINEERING SCHEDULE D/IOC-8.08 VAFB-2

REFERENCE: ENGINEERING SCHEDULE D/IOC-8.08 VAFB-2

MARCH												APRIL												MAY																																																																		
23	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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[illegible]

A full-page view of a blank sheet of graph paper. The grid consists of small squares formed by thin black lines. There are approximately 20 columns and 30 rows of squares. The paper has a slightly off-white or cream color.

A full-page view of a blank sheet of graph paper. The grid consists of small squares formed by thin black lines. There are approximately 20 columns and 30 rows of squares. The paper has a slightly off-white or cream color.

A full-page view of a blank sheet of graph paper. The grid consists of small squares formed by thin black lines. There are approximately 20 columns and 30 rows of squares. The paper has a light cream or off-white background.

A full-page view of a blank sheet of graph paper. The grid consists of small squares formed by thin black lines. There are approximately 20 columns and 30 rows of squares. The paper has a slightly off-white or cream color.

(COMPLETED ON LAUNCHES, 20.5)

[illegible]

A full-page view of a blank sheet of graph paper. The grid consists of small squares formed by thin black lines. There are approximately 20 columns and 30 rows of squares. The paper has a light cream or off-white background.

A full-page view of a blank sheet of graph paper. The grid consists of small squares formed by thin black lines. There are approximately 20 columns and 30 rows of squares. The paper has a slightly off-white or cream color.

A full-page view of a blank sheet of graph paper. The grid consists of small squares formed by thin black lines. There are approximately 20 columns and 30 rows of squares. The margins are consistent on all sides.

COMPLEX 576 A (65-1), VANDENBERG AFB

LAUNCH COMPLEX

SYSTEMS INTEGRATION, ACCEPTANCE TESTING & TEST PROCEDURE REQUIREMENTS

REFERENCE: ENGINEERING SCHEDULE D/IOC-808 VAFB-2

VAFB-2 PARA. NO.		CONVAIR (ASTRONAUTICS) A DIVISION OF GENERAL DYNAMICS CORPORATION	REFERENCE: ENGINEERING SCHEDULE D/IOC-808 VAFB-2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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14.4	FLIGHT CONTROL APCHE AUTO PILOT SYS TST		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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(COMPLETED ON LAUNCHES 1,2,3,4)

COMPLEX 576 A (65-1), VANDENBERG AFB
LAUNCH COMPLEX
SYSTEMS INTEGRATION, ACCEPTANCE TESTING & TEST PROCEDURE REQUIREMENTS

CONVAIR (ASTRONAUTICS)		REFERENCE: ENGINEERING SCHEDULE D/IOC-808 VAFB-2																																																														
		MARCH															APRIL															MAY																																
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15.1.1.1	CONVAIR A DIVISION OF GENERAL DYNAMICS CORPORATION																																																															
15.1.1.2	FLIGHT CONTROL SYS C/O																																																															
15.1.1.3	COMPOSITE C/O																																																															
15.1.1.4	APCHER GUID SYS TST																																																															
15.1.1.5	LAUNCH CONT & GUIDE GSE INTEGR.																																																															
15.1.1.6	MSLE SYS TST																																																															
15.1.1.7	INSTL. & C/O PROC FOR AIRBORNE GSE & MSLE BORNE GUID EQUIP.																																																															
15.1.1.8	APCHER BLKHOUSE SURVEY AUTO-PILOT SUB-LOOP TST																																																															
15.1.1.9	MSLE SYS TST GE GUID																																																															
15.1.1.10	RE-ENTRY VEHICLE																																																															
15.1.1.11	MSLE INSTAL. & ERECTION																																																															

LAUNCH COMPLEX

SYSTEMS INTEGRATION, ACCEPTANCE TESTING & TEST PROCEDURE REQUIREMENTS

6.1.3 MSLE P/U SYS TST. (C/O TRIR)

MARCH

SCHEDULED 6/26-6/27 FOR 3

COMPLETED ON INVOICER 1,

SYSTEMS INTEGRATION, ACCEPTANCE TESTING & TEST PROCEDURE REQUIREMENTS

REFERENCE: ENGINEERING SCHEDULE D/IOC-8.08 VAFB-2

CONVAIR (ASTRONAUTICS)	MARCH	APRIL	MAY
16.1.3.1-16.1.3.3 PROP UTIL SYS C/O	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
16.1.4 MSLE COMPOSITE TST (C/O TRLR)			
16.1.4.1 IOC MSLE ACCEPT TST			
16.2 APChE & GSE INTEG (W/O MSLE)			
16.2.1 APChE PROP UTIL TST			
16.3 LAUNCH CONTROL & GSE UTIL (W/O MSLE)	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31		COMPLETED ON LAUNCHER 1
16.3.1 APChE BLKHOUSE SURVEY	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31		COMPLETED ON LAUNCHER 1
16.4 COMPLETE C/O P U SYS			(TO BE SCHEDULED LATER ON 1/82) SCHEDULED 6/14 - 7/19 FOR 3
16.4.1.1-16.4.1.5 APChE PROP UTIL SYS TST			
16.5 PLCH INTEGR WITH I/C	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31		SCHEDULED 6/14 - 7/19 FOR 3 COMPLETED ON LAUNCHER 1
16.5.1 (DELETED)			

COMPLEX 576 A (65-1), VANDENBERG AFB

LAUNCH COMPLEX

SYSTEMS INTEGRATION, ACCEPTANCE TESTING & TEST PROCEDURE REQUIREMENTS

REFERENCE: ENGINEERING SCHEDULE D/IOC-8.08 VAFB-2

CONVAIR
(ASTRONAUTICS)

VAFB-2
PARA. NO.

A DIVISION OF
GENERAL DYNAMICS
CORPORATION

17.11

**IOC MOBILE STA.
C/O EQUIP VALID**

18.0.

SYSTEM COMPATIBILITY TESTS

~~18.1.1-18.1.1.4 (DELETED)~~

719.0 SIMULATED COUNTDOWN

119.1.1.1	GSE SVS ACCEPT TST SIMULATED COUNTDOWN
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20.0 INSTRUMENTATION TRAILERS

20.1.1 RING-OUT TRLE CABLES

20.1.2 COMM. EQUIP F
CALIB

20.1.3 NO TASK

21.0

COMPLEX 576 A (65-1), VANDENBERG AFB

LAUNCH COMPLEX

SYSTEMS INTEGRATION, ACCEPTANCE TESTING & TEST PROCEDURE REQUIREMENTS

VAFB- I
PARA. NO.

CONVAIR
(ASTRONAUTICS)
A DIVISION OF
GENERAL DYNAMICS
CORPORATION

11.0 COMPONENT TEST EQUIP

1.1 TST SET, CONTROL GYRO

1.2 ANALYZER, ELECT. CIRCUIT, AUTOMATIC

1.3 TST SET PROG., INTEG & AMPLIFIER

1.4 TST SET PU CONTROL

1.5 TST SET, MANOMETER

1.6 TEST SET, STABIL. FILTER

1.7 TST SET SIGNAL CONDITIONER

1.8 FUTURE ENG. NULL AND ALIGNMENT

1.9 TST SET, FLT. CONT MANIFIERS

1.10 EXERCISER, HYD ACTIVATOR

1.11 TST SET, PROGRAMMER PITCHOVER

1.12 TEST SET CABLE & ANTENNA; TELEMETRY & RANGE SAFETY

APRIL

MARCH

MAY

COMPLEX 576 A (65-1), VANDENBERG AFB

MISSILE ASSEMBLY BUILDING

SYSTEMS INTEGRATION, ACCEPTANCE TESTING & TEST PROCEDURE REQUIREMENTS

REFERENCE: ENGINEERING SCHEDULE D/IOC-808 VAFB-I

CONVAIR (ASTRONAUTICS)																																	
VAFB-1 PARA. NO.		MARCH										APRIL										MAY											
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
1.13	TESTER, PNEUMATIC FLOW																																
1.14	COMPONENT TEST UNIT																																
2.0	SMA FACILITY ELECT EQUIP																																
2.1	DESCRIPTIVE PARAGRAPH																																
2.2	480 V AC, 60 CYCLE 3 PHASE SYSTEM																																
2.3	120/208 V AC, 60 CYCLE 3 PHASE SYSTEM																																
2.4	28 V DC, GSE SUP. & 117 AC, 400 CYCLE SYSTEM																																
2.5	CHANGE OVER SWITCH PANEL																																
3.0	SMA AIR CONDITIONING SYSTEM																																
3.1	POD COOLING SYSTEM																																
3.1.1	FUNCTION C/O SMA MSLE POD COOL SYS																																
3.1.2	PRESS & LEAK C/O POD COOLING DUCTS & PLUMBING																																

COMPLEX 576 A (65-1), VANDENBERG AFB
MISSILE ASSEMBLY BUILDING
SYSTEMS INTEGRATION, ACCEPTANCE TESTING & TEST PROCEDURE REQUIREMENTS

CONVAIR (ASTRONAUTICS)		REFERENCE: ENGINEERING SCHEDULE D/IOC-8.0& VAFB-1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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3.1.3	FUNCTION C/O COOL AIR DEL. TO MSLE POD	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
3.2	ELECT. EQUIP. COOL AIR SYS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														</

COMPLEX 576 A (65-1), VANDENBERG AFB
MISSILE ASSEMBLY BUILDING
SYSTEMS INTEGRATION, ACCEPTANCE TESTING & TEST PROCEDURE REQUIREMENTS

CONVAIR
(ASTRONAUTICS)
A DIVISION OF
GENERAL DYNAMICS
CORPORATION

VAFB- 1
PARA. NO.

CONVAIR
(ASTRONAUTICS)
A DIVISION OF
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CORPORATION

4.6 REMATE BOOSTER ON THE TANK

1101 BE SCHEDULED LATER

4.7 REMOVE A MSLE FM
MSLE HAND TRLR

(TO BE SCHEDULED LATER)

4.8 REPLACE A MSLE ON MSLE HAND TRLR

TO BE SCHEDULED LATER)

5.0 COMMUNICATION SYSTEM

5.1 INTERCOM. INSTALL.
& C/O

5.2 P.A. INSTALL & C/O

3.0 SMA PRESSURIZATION SYSTEMS

3.1 HIGH PRESS GAS SYS

6.1.1 FUNCT CK REGUL. GAUGES & VALVES

6.1.2 FUNCT CK LN₂ RECHARGE

6.1.3 PRESS & LEAK CK PIPING

3.1.4 CK HIGH PRESS GAS
DEL MAY COND

COMPLEX 576 A (65-1), VANDENBERG AFB

MISSILE ASSEMBLY BUILDING

SYSTEMS INTEGRATION, ACCEPTANCE TESTING & TEST PROCEDURE REQUIREMENTS

		REFERENCE: ENGINEERING SCHEDULE D/IOC-808 VAFB-1																																																													
		MARCH							APRIL							MAY																																															
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VAFB-1 PARA. NO.	CONVAIR (ASTRONAUTICS) A DIVISION OF GENERAL DYNAMICS CORPORATION																																																														
6.2	NITROGEN CHARGE PANEL																																																														
6.2.1	PRESS & LEAK CK ALL INTERNAL PLUMBING																																																														
6.2.2	PRESS CK ALL REGUL & VALVES-MANUAL CONT																																																														
6.2.3	CONNECT NCP TO MSLE & PROP INLETS PRESS G	(TO BE SCHEDULED LATER)																																																													
6.3	STATIC C/O UNIT																																																														
6.3.1	C/O ALL ELECT CONN. & WIRING																																																														
6.3.2	INTERCONN. SCU & HIGH PRESS GAS STORAGE																																																														
6.3.3	C/O ALL SCU VALVES REG & SWITCHES																																																														
6.3.4	VERIFY SCU FUNCT OPER USING MANUAL CONT																																																														
6.3.5	INTEGR. SCU WITH APCH C/O PLUMB & WIRE																																																														
6.3.6	DENATE MSLE - INTER- CONNECT ALL FUEL, CO ₂ PRESS LINES																																																														

6.3.6 DEMATE MSLE - INTER-
CONNECT ALL FUEL,
CO₂ PRESS LINES

COMPLEX 576 A (65-1), VANDENBERG AFB
MISSILE ASSEMBLY BUILDING
SYSTEMS INTEGRATION, ACCEPTANCE TESTING & TEST PROCEDURE REQUIREMENTS

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CONVAIR (ASTRONAUTICS)		REFERENCE: ENGINEERING SCHEDULE D/IOC-808 VAFB-1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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6.3.7	PRESS & LEAK CK ALL INTERCONN PLUMB LINES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															</

COMPLEX 576 A (65-1), VANDENBERG AFB
MISSILE ASSEMBLY BUILDING
SYSTEMS INTEGRATION, ACCEPTANCE TESTING & TEST PROCEDURE REQUIREMENTS

VAFB-1
PARA. NO. 1
CONVAIR
(ASTRONAUTICS)
A DIVISION OF
GENERAL DYNAMICS
CORPORATION

6.4.9 PROP LOAD TST
, APChE PROGRAM

6.5 PROP GROUND BOX

6.5.1 C/O ALL ELECT
CONN & WIRE

6.5.5.2 PRESS & LK TST ALL
INTERNAL PLUMBING

6.5.3 CONNECT TO NCP INLET PLUMB & LEAK CK

6.5.4 CONNECT ELECT WIRE
TO GECU & C/O

5.5.5 TIE IN ALL MSLE PROP PLUMB & LK TST

5.6 OPER UNIT IN INTEG SYS

SMA HYDRAULIC SYSTEM

1. HYD SUPPLY UNIT

1.1.1 C/O ALL ELECT CONT
& PWR SUPPLY CIRCUIT
INCLUDING PUMPS &
TRANSDUCERS

1.1.2 PRESS & LK CK ALL
HYD-PNEU PLUMB &
COMPONENTS

COMPLEX 576 A (65-1), VANDENBERG AFB
MISSILE ASSEMBLY BUILDING
SYSTEMS INTEGRATION, ACCEPTANCE TESTING & TEST PROCEDURE

REFERENCE: ENGINEERING SCHEDULE D/IOC-8.08 VAFB-1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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7.1.3	PRESS & LK TST HEAT EXCHANGER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
7.1.4	FILL & BLEED SMA GROUND HSU																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					</

COMPLEX 576 A (65-1), VANDENBERG AFB
MISSILE ASSEMBLY BUILDING
SYSTEMS INTEGRATION, ACCEPTANCE TESTING & TEST PROCEDURE REQUIREMENTS

REFERENCE: ENGINEERING SCHEDULE D/IOC-8.08 VAFB-1

CONVAIR
(ASTRONAUTICS)

VAFB-1
PARA. NO.

7.2.1.3 C/O ALL ELECT & TRANSDUCER CIRCUIT

7.2.1.4 FLUSH, EULL & BLEED
ROOSTER HYD SYS

7.2.1.5 VERIFY SEQ OF ALL VALVES, REGUL. & SWITCHES

7.2.1.6 PRESS & LEAK INTERCONN. SYS

7.2.1.7 FUNCT C/O BOOSTER
HYD SYS-LOCAL CONTROL

7.2.1.8 APChE PROGRAM
BOOSTER AUTOPILOT
RESPONSE

7.2.2 SUSTAINER HYD SYS

7.2.2.1 MSLE DEMATED
DISCONNECT SUST
HYD SUP LINES

7.2.2.2 FLUSH, FILL & BLEED
SUST. HYD SYS

7.2.2.3 C/O ALL ELECT CONN.

7.2.2.4 VERIFY REGULATORS

7.2.2.5 PRESS & LK CK INTER
CONNECT HSU - SUST.

COMPLEX 576 A (65-1), VANDENBERG AFB

MISSILE ASSEMBLY BUILDING

SYSTEMS INTEGRATION, ACCEPTANCE TESTING & TEST PROCEDURE REQUIREMENTS

VAFB-1
PARA. NO. 1
CONVAIR
(ASTRONAUTICS)
A DIVISION OF
GENERAL DYNAMICS
CORPORATION

7.2.2.2. & FUNCT C/O SUST
HYD SYS-LOCAL, PCU

7.2.2.7 APChe PROGRAM.
SUST AUTO PILOT
RESPONSE TST

7.2.2.8 FUNC'T C/θ INTEGR
BOOSTER-SUST HYD SYS

7.2.2.9 APChE PROGRAM
BOOSTER-SUST. HYD
SYS

7.2.3 VERNIER SOLO PACKAGE HYD SYS

2.3.3. DISCONNECT HYD
SUPPLY LINES

.2.3.2 C/O ELECT WIRING & INSTRUMENTATION

2.3.3 FLUSH, FILL & BLEED
VERNIER SOLO PACK:

2.3.4 SET PRESS REGUL
CK VALVE SEQ

2.3.5 PRESS & LK CK SYS
PLUMB & COMPONENTS

.2.3.6 FUNCT C/O
VERNIER SOLO PACK

COMPLEX 576 A (65-1), VANDENBERG AFB

MISSILE ASSEMBLY BUILDING

SYSTEMS INTEGRATION, ACCEPTANCE TESTING & TEST PROCEDURE REQUIREMENTS

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CONVAIR
(ASTRONAUTICS)

VAFB-1 A DIVISION OF
PARA. NO. GENERAL DYNAMICS
CORPORATION

10.0 SMA PROPULSION C/O

10.1 GSE

10.1.1 FUNCT CK PROP AUX
CONTROL BOX WITH
APChE

10.1.2 PROP. AUX CONTROL
BOX - LEAK TST

10.2 MSLE COMPONENTS C/O

10.2.1 INTRO PARAGRAPH

10.2.2 (NO TEST REQUIRED)

10.2.3 ENG HEATER CK

10.2.4 LK CKS INTEGRATE
START SYS & ENG CONT
PNEUM. SYS

10.2.5 FUNCT & LK CK
OF FUEL, CONTROL
LINES

10.2.6 FUNCT CK ENG
PRESS SYS

10.2.7 LK CK BOOSTER &
SUSTAINER LUBE OIL
SYS

10.2.8 ENG CONTROL CIRCUIT
C/O WITH APChE

MAY

APRIL

MARCH

COMPLEX 576 A (65-1), VANDENBERG AFB

MISSILE ASSEMBLY BUILDING

SYSTEMS INTEGRATION, ACCEPTANCE TESTING & TEST PROCEDURE REQUIREMENTS

CONVAIR
(ASTRONAUTICS)
A DIVISION OF
GENERAL DYNAMICS
CORPORATION

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GENERAL DYNAMICS
CORPORATION

10.2.9 SUP COMMAND
SIGNALS TO ENG VALVE

110.2.10	FUNCT CK INTEGR
	START SYS REGULATOR

11.2.11 FUNCT CK BOOSTER & SUST LO₂ PRESS.

10.3 MSLE INTEGRATED
SYS CKS

10.3.1 CONDITIONS

10.3.2	PROP AUX CONTROL
	BOX CKS WITH ENS
	SYS SEQ CKS

10.3.3 INSTALL. IGNITERS & IGNITION DETECT PROBES

10.4	READY STORAGE
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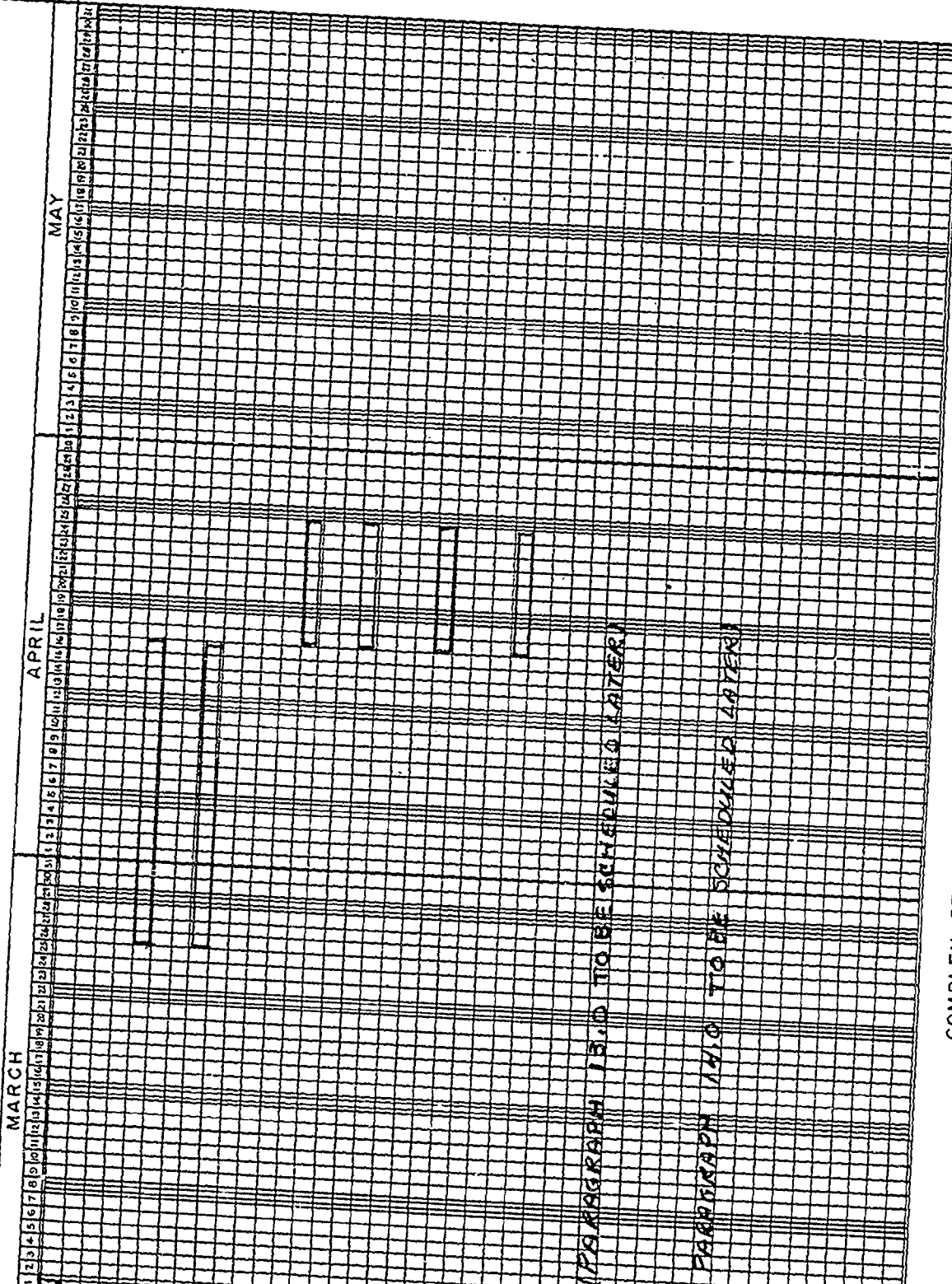
10.4.1 INSERT DESICCANTS & SEAL SYSTEM

PARAGRAPH 0.3 TO BE CONSIDERED LATEST

COMPLEX 576 A (65-1), VANDENBERG AFB
MISSILE ASSEMBLY BUILDING
SYSTEMS INTEGRATION, ACCEPTANCE TESTING & TEST PROCEDURE REQUIREMENTS

REFERENCE: ENGINEERING SCHEDULE D/IOC-8.08 VAFB-1

CONVAIR (ASTRONAUTICS) VAFB-1 A DIVISION OF PARA. NO. GENERAL DYNAMICS CORPORATION	
12.0	PROPELLANT UTILIZATION
12.1	INTRO PARAGRAPH
12.1.1	CK 80 PSI N ₂ PRESS
12.1.2	C/O EXERCISER
12.2	INTRO PARAGRAPH
12.2.1	COMPUTER COMPARTOR
12.2.2	CK MANOMETER WITH INPUTS FM PUSE
12.2.3	CK DYN. PERF OF P/H SYS FUEL VALVE
12.2.4	CK LIMITER ACTION OF P/U CONTROL LOOP
13.0	RETRO-ROCKET
13.1	FUNCCK RETRO- ROCKET CIRCUIT
14.0	IRSS AT MAB
14.1	GEN C/O WITH TRLR
14.2	FUNCCK RANGE SAFETY SYS
14.3	SIMULTANEOUS CK TELE SYS & RSS



COMPLEX 576 A (65-1), VANDENBERG AFB
MISSILE ASSEMBLY BUILDING
SYSTEMS INTEGRATION, ACCEPTANCE TESTING & TEST PROCEDURE REQUIREMENTS