



**ospace
stems Division**

LRRR(300) Astronaut Trainer
Acceptance Plan

NO. ATM-943	REV. NO.
PAGE <u>1</u> OF <u>3</u>	
DATE 1/19/71	

The following is the Crew Engineering Acceptance Plan for the LRRR(300) Astronaut Trainer.

Prepared by: H. W. Geiss
H. W. Geiss



**Aerospace
Systems Division**

CREW ENGINEERING
LR³ (300) Astronaut Trainer
Acceptance Plan

ATM-943

PAGE 2 OF 3

DATE 1/19/71

This plan provides a means of recording the activities associated with the deployment of the LR³ (300) Astronaut Trainer prior to delivery. The Operational Log (attached) outlines the objectives of the test and the facility used to implement the test. Other aspects of the test are mentioned under general comments. Letter No. 9712-124 "LR³ (300) Acceptance Test Deployment Sequence", will be used as the reference document for all deployments whether shirt sleeve or suited.

General

- A. All technicians and engineering personnel will wear white gloves when handling the Trainer. This includes the sequence of events when the CE subject deploys the Trainer and hands the removed parts to the supporting technicians.
- B. Quality Control personnel will be present at the deployment to insure safe handling procedures are followed.
- C. Manufacturing and Engineering personnel will be required to perform on-site decisions in the case of equipment failure.
- D. Crew Engineering personnel will insure the LR³ (300) model is an exact mechanical simulation of the LR³ (300) Flight Configuration and duplicates the handling and manipulative features of the flight unit.

The deployment of the Trainer will be in the Crew Engineering Laboratory on the CE simulated lunar surface (washed sand). Repackaging will be performed in the assembly area under the direction of H. Reinhold, Manufacturing.

OPERATIONAL LOG

Date	Objective	Activity	Personnel	Test Facilities	Remarks
Dec. 23	Verify deployment characteristics of trainer using LR ³ (300) Deployment Seq. 9712-124 as a reference.	At BxA in the Crew Engineering Lab.	1. R. Redick (subject) 2. T. Tallmadge (tech.) 3. Quality Control 4. Manufacturing 5. DCASR 6. Engineering	Apollo Blk II pressure suit with PGA gloves in CE simulated Lunar Surface.	The trainer will be deployed on the lunar surface simulator with <u>ballast removed</u> to demonstrate leveling and alignment techniques.

General:

1. CE will provide liaison with Quality Control during the deployment. Letter No. 9712-124 Deployment Sequence will be used as a suggested deployment procedure and should not be used as a (QC) operational procedure. The prime objective in the Crew Engineering Acceptance Test is not to verify a procedure but to verify mechanical handling and deployment characteristics of the LR³ (300) Trainer.

ATM-943
3 of 3