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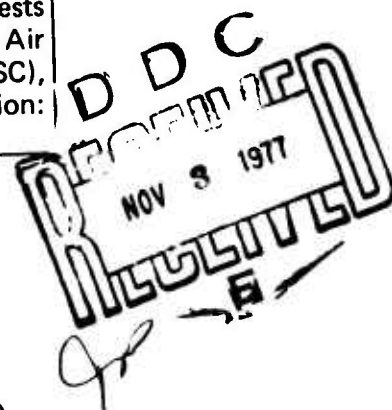
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Report No. 131500-606
Date: 22 June 1977



ORIENTATION TEST REPORT
FOR THE
AN/TRN-41 TACAN NAVIGATIONAL SET

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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)			
18. SUPPLEMENTARY NOTES AN/TRN-41 TACAN NAVIGATIONAL SET			
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) This report describes the orientation test performed in accordance with the Equipment Test Plan for Navigational Set, TACAN, AN/TRN-41.			
20. ABSTRACT (Continue on reverse side if necessary and identify by block number)			

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ORIENTATION TEST REPORT FOR THE

This report describes the orientation test performed in accordance with the Equipment Test Plan for Navigational Set, TACAN, AN/TRN-41, 131500-415.

1. **Test Identification.** The orientation test was performed to verify that the orientation requirements of paragraph 3.2.5.2.4 of Specification No. 404L-701-5017A, Part 1 of two parts, Prime Item Development Specification for Navigational Set, TACAN, AN/TRN-41 has been met.
2. **Functional Purpose.** This test forms a part of the AN/TRN-41 qualification tests.
3. **Test Objectives.** To demonstrate that the AN/TRN-41 will meet the requirements of Specification No. 404L-701-5017A, Part 1 of two parts, dated 20 August 1976.
4. **Description of Test Article.** The AN/TRN-41 was used to perform the orientation tests.
5. **Summary of Test Results.** The system was set up on a 10° slanted plane on four different axes as described in Appendix V-D of the Equipment Test Plan. The system was operated at each orientation. No failures or alarms occurred during this test.
6. **Description of Test Facility and Procedures.** A platform was set up with a slope of 10° and the AN/TRN-41 set up and leveled on the platform. The test procedures are given in Appendix V-D of the Equipment Test Plan.
7. **Test Setup Diagrams.** None required.
8. **List of Test Equipment.** No test equipment required.
9. **Recorded Test Data.** The data sheet for the orientation test is attached. This data shows the axes that the system was set up on and checked to show proper operation. Attached are photographs of the system set up on the inclined platform.
10. **Ambient Conditions.** The test was performed in laboratory ambient conditions.
11. **Test Results Analysis.** The test results show that the AN/TRN-41 can be set up and operated on a slope of up to 10°.
12. **Certification.** The data sheet attached has been signed by Montek Engineering personnel, a Montek QA representative and a DCAS representative, certifying that the test results are authentic, accurate, current and in accordance with related test plans.

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DATA SHEET
ORIENTATION

SYSTEM AN/TRN-41 S/N 001 DATE 29 March 1977

TIME _____

AMBIENT CONDITIONS TEMP. Lab. Ambient REL. HUMIDITY Ambient

ORIENTATION DEGREES	SLOPE	AN/TRN-41 OPERATIONAL TEST PROCEDURE, APPENDIX VII		REMARKS
		PASSED	FAILED	
0	10°	✓		
90	10°	✓		
180	10°	✓		
270	10°	✓		

TECHNICIAN Daniel D. Jones

DATE 3/29/77

ENGINEER Blake D. Jones

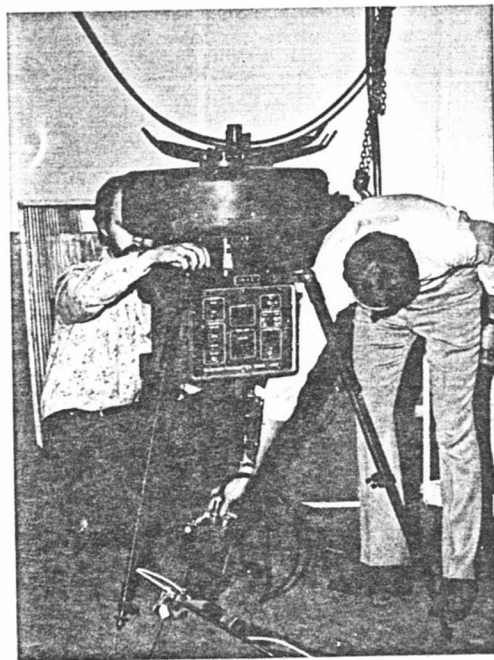
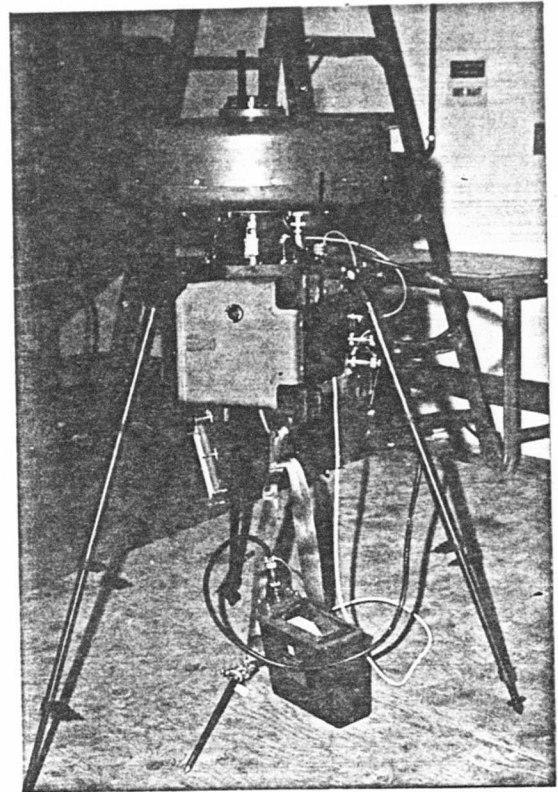
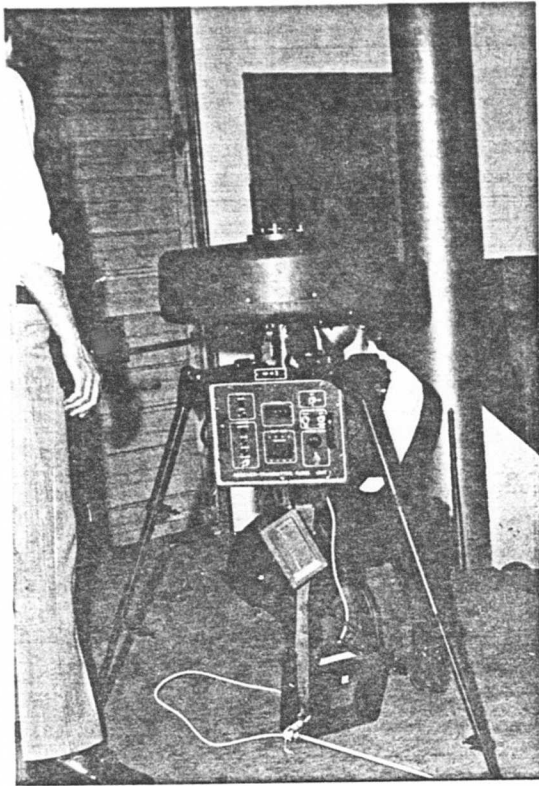
DATE 3/29/77

QA ENGINEER Walter B. Hunt

DATE 3/29/77

DCASD William A. Horn For
John Johnson

DATE 3-29-77



AN/TRN-41 SETUP ON PLATFORM
WITH 10° SLOPE AT THREE ORIENTATION

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