

50038

TSG/ESD/TEB-027/70
1 September 1970.

MEMORANDUM FOR: See Distribution

SUBJECT : Test Plan for the [] MLT 1540 Light Table -
Pre-Production Model

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1. The attached test plan is forwarded for your information and planning purposes.

2. Your comments on this test plan will be appreciated.

[Redacted Signature]

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Chief
Engineering Support Division, TSG

Attachment:
as stated above

Distribution:

5X1

- 1 - NPIC/TSG/RED/SDB []
- 1 - NPIC/TSG/PPS (through Ch/TSG)
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Declass Review by
NGA/DoD

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NPIC/TSG/ESD/TEB [] (1 Sept 70)

GROUP 1
Excluded from automatic
downgrading and
declassification

TEST PLAN

5X1 MLT 1540 Light Table - Pre-Production Model

Ref. Test & Evaluation Report - 1540 Split-Format Light Table
Mod II (NPIC/R-46/70)

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1. Introduction

1.1 The first production model of the MLT 1540 Light Table is scheduled to arrive on or about 1 October 1970. This table is the culmination of 18 months of development, testing, and re-work. It is to be the standard for the table procurement package of 389 tables. As stated in the contract, "All instruments delivered under this Contract shall also meet or exceed the requirements of this specification (i.e., Technical Requirements for the Production of the 1540 Split-Format Light Table and Mount for Various Microstereoscopes) or performance of the accepted pre-production model."

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1.2 It is important that this table be given a thorough testing, especially in regard to those features which were unacceptable when last tested (see reference). This will insure that the tables delivered will meet the high expectations of the community for this equipment.

2. Performance Testing

2.1 Those features which were found unacceptable in the April testing will be tested individually to insure that they have been modified and are in good order.

2.2 The testing of these features will be documented in a report supplementary to that written on the April test series.

3. Operational Inspection

3.1 In order to further assure PI compatibility with this item, the operating divisions will be asked to participate in a very brief operational inspection. By this method, the changes in the item which meet performance specifications but are not operationally suitable can be corrected.

3.2 The operational components which participated in the April evaluation of the prototype will be asked to participate. Each component will be given 4 hours with the unit in the individual component's area. It must be understood at the outset that only 2 classes of changes can be accomplished at this time: 1) Changes without which the light tables cannot be effectively used, or 2) Minor changes which can be accommodated without appreciable delay of production schedule.

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4. Acceptance Test Procedures

4.1 Equipment Performance Branch, ESD will be requested to assist TEB in formulating Acceptance Test Procedures for use on all incoming production units. This work must be accomplished prior to delivery of the first unit.

4.2 The pre-production unit will be used as a test bed for these procedures to insure efficiency of the testing and rapid delivery of the accepted units to the operating components.

4.3 The pre-production model will be a completely motorized unit, as specified for IEG/NPIC. There are two other configurations which will be delivered to NPIC for DIAAP-9 and SPAD. NPIC will perform acceptance testing on these units, using the standard procedures (where applicable) and the contractual specifications for these components which differ from the pre-production configuration.

5. Scheduling

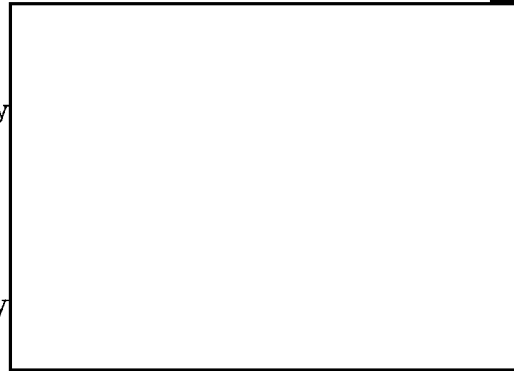
5.1 The attached schedule has been coordinated within TSG and with the operating components. The actual delivery date is unknown at this time, therefore elapsed time from arrival, and not dates, are used.

5.2 If deviations from the schedule are required, this should be coordinated with TEB. All affected components will be notified in this eventuality.

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Prepared by

Approved by



CIA/TEB/ESD

EVENT	DAY												
	1	2	3	4	5	6	7	8	9	10	11	12	13
UNIT ARRIVAL, INSPECTION													
PERFORMANCE TESTING OF CHANGES													
OPERATIONAL INSPECTION									IRE	DIA		REPORT	
ACCEPTANCE TEST SHAKE-DOWN													

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MLT 1540 LIGHT TABLE
PRE-PRODUCTION MODEL TEST SCHEDULE

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