

SANDIA SYSTEM RATE CLASSIFICATION REVIEW	
Review Date <u>11/12/97</u>	Doc# <u>985N0747</u>
Review CLASS <u>R</u> ADO <u>W.C. Layne</u>	1. Classification <u>CONF</u>
Review Date <u>11-13-97</u>	2. Contains No DOE "Controlled Information"
Authority <u>W.C. Layne</u>	3. Contains No RDT
	4. Contains No CAT
	5. Comments
	<u>Unclassified</u>

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RS 1512/734

To: Distribution

From: R. D. Lindsey - 1512

Re: EMR Vulnerability Testing of the TX-61

A meeting was held on June 27, 1966 to discuss EMR testing of the TX-61.

The following were present:

M. Baumgardner	1425
D. E. Merewether	1425
W. A. Adams	1512
J. J. Anastasio	1512
R. D. Lindsey	1512
M. R. Madsen	1512
R. R. Precit	1512
J. C. Barnes	7333

The primary purpose of the meeting was to discuss possible future testing of the TX-61 by the Navy at their Dahlgren, Va. RF test facility. Although the final report on Sandia RF testing has not been published, preliminary data indicates the TX-61 is invulnerable to the EMR field levels specified in the STS with a reasonable margin of safety. There is no reason then for any "development" tests at the Dahlgren facility. It has been customary, however, for the Navy to require a "proof" test of a weapon configuration before releasing the weapon to the fleet.

It was agreed then that the following steps would be taken:

1. A letter will be drafted, by Division 1512 and Division 1425 personnel, to the Navy, informing them that EMR vulnerability development testing is complete and that the TX-61 meets the STS requirements. They will be asked if they require any testing of the TX-61 at their Dahlgren facility.
2. If the Navy does request further testing, steps will be taken to meet with the Navy personnel to draw up a test plan. The tests will be scheduled for the latter quarter of 1966.
3. Thermocouple instrumentation will be ordered for the EED's on the assumption that further testing will be done. The EED's

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REASON FOR CHANGING MARKING <u>W.C. Layne</u>	DATE <u>11-12-98</u>
PERSON VERIFYING MARKING & DATE	

W.C. Layne
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chosen to be instrumented will be the same ones instrumented in EMR-2. If further testing is done, unit EMR-2 will be reworked with the new thermocouple instrumentation and redesignated EMR-3. The configuration will be studied carefully to be sure all components are of the latest design.

RDL:1512:ra

- 1/5A - C. S. Williams, 1425
- 2/5A - C. L. Carpenter, 1513
- 3/5A - E. White, 7331, Attn: D. K. Buchanan
- 4/5A - E. R. Julius, 7333
- 5/5A - M. R. Madsen, 1512 (BB EMR-3)

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