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AUG 16 1951

TO: DISTRIBUTION

54th Meeting

Re: TX-8 Prime **UNCLASSIFIED**

Ref. Sys: 1000 (522)

At its 54th meeting held 8 August 1951, the Sandia Weapons Development Board approved the recommendation contained in the letter from G. A. Landry to Mr. C. L. Tyler, Z-72870, dated 31 July 1951, subject, "TX-8 Prime Program Summary and Recommendations." This recommendation is listed below for information.

"Based on the excellent success of feasibility studies it is recommended that the TX-8 Prime program be placed in stage 2 - full development. Since the TX-8 Prime is an interim system to be replaced by TX-11, a date of conclusion of tests by October 1952 is suggested as a measure of time and effort which could be profitably expended. This date is early enough that the added TX-8 Prime capability could be expected to be of value to the services before the advent of TX-11. Aircraft to be considered in addition to the AD4 and P4U5 are the F7F, A2D, F2H2, and F2H3. It is expected that compatibility tests of TX-8 Prime with other than the F2H3 will be completed appreciably before October 1952. Considering all aircraft, the total cost should be something between one and one and one-half million dollars."

The Board further indicated that the Phase 1 (T-28) design should be accepted and put on the shelf (despite the fact that only enough drops have been made to prove statistically 80% reliability) and that all effort should be directed to the Phase 2 (T-31) design. Should an emergency arise, it is believed that the T-28 could be installed on the AD4 without further tests. It was indicated that installation of the T-28 on the F2H3 could be worked out at a later date, but that current emphasis should be placed on assuring the F2H2 compatibility.

At its next meeting the Board will consider the desirability of recommending modifications to the list of aircraft to be considered with the objective of permitting earlier availability of the TX-8 Prime.

R. E. Poole

R. E. POOLE
Chairman, SWDB

UNCLASSIFIED

1. Review Date <u>7-23-97</u> 2. Reviewer <u>W. L. Lays</u> 3. Reviewer Title <u>W. L. Lays</u> 4. Reviewer Signature <u>[Signature]</u> 5. Reviewer Date <u>7/30/97</u> 6. Reviewer Initials <u>[Initials]</u>	1. Original Date <u>8/16/51</u> 2. Original Author <u>[Name]</u> 3. Original Title <u>[Title]</u> 4. Original Agency <u>[Agency]</u> 5. Original Classification <u>[Classification]</u> 6. Original Marking <u>[Marking]</u>
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FORM 39 A4312

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