250 CUMENT NUMBER 52 1183

DEPARTMENT OF DEFENSE

ARMED FORCES SPECIAL WEAPONS PROJECT

THIS DOCUMENT CONSISTS OF P. O. BOX 2510 WASHINGTON, D. C. EDDY NO. 2 OF

THE CHIEF, ARMED FORCES SPECIAL WEAPONS PROJECT

Foreign tomic

NAME:

404192

EVPVY/400.112

15 MAY 1952

SERIES

SUBJECT: Planned Obligations of Funds for Research and Development. FF 1953, for Atomic Vespons Tests

Chairman, Research and Development Board, Department of Befense, Vachington 25, D. C.

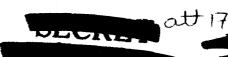
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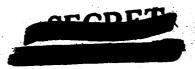
- 1. Reference is made to a letter this headquarters, subject as above, file SWPLG-334, dated 20 March 1952. This letter furnished estimated requirements for Research and Development funding of atomic test Activities in IV 1953.
 - Since the date of the above referenced letter, certain changes in planning have occurred which require material alteration of the estimated funding program for FI 1953. These changes are as follows:
 - a. Action was taken by the Research and Development Board to reduce the FT 1953 funding program for Operation IVI by programming additional FY 1952 funds to Commander, Joint Task Force 132 for obligation during the current fiscal year. It is believed that this action will reduce the FY 1953 requirement to approximately \$500,000 for Operation IVY.
 - b. Operation UPSHOT has been postponed by the Atomic Recryy Commission to 1 February 1953, thus making this operation the AND Spring of 1953 test. The fast that there will now be one operation instead of the two which previously had been planned, and the fact that this operation will be carried out immediately prior to the Military Wespons Effects Test in the Spring of 1953 reduces the funds estimate for UPSHOT to \$800,000.
 - c. The Military Veapons Effects Test in the Spring of 1953 probably will be somewhat augmented due to the fact that there will not be a Fall 1952 test in which to gain information needed by the military. The present cost estimate of this test is \$7.5 million.

DEPARTMENT OF VERGY DECLASSIFICATION REVIEW 1ST REVIEWER-DATE 6 DETERMINATION (CIRCLE NUMB 1. CLASSIFICATION NEIGHBOUTO: FIXE OCCURSSIFICATION CHANGE TO DOS ASSIFIED INFO AUTHORITY: DAOC BAD NAME: M.L. KOLBA CONTAINS NO DOE 2ND REVIEWER-DA **AUTHORITY: A** 5. CLASSIFICATION CANCELLED 6. CLASSIFIED AFO BRACKETED

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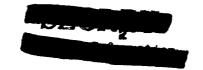
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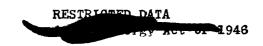


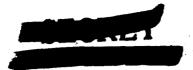


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- d. The ARC has announced its intention of conducting an extrecontinental test in the Fall of 1953 (Operation GASTAR). Preliminary
 information indicates that this test will allow military participation to
 about the same extent as Operation IVI. The probable date of this test
 indicates that the time scale of the requirement for funds will be about
 the same as that for Operation IVI, thus about \$5,000,000 may be required
 from FI 1953 funds.
- requirement for an underwater test of an atomic device at deep submergence, it is believed that such a requirement might be established calling for a test in the Spring of 1954. Preliminary studies indicate that this test will pose many unique problems, the solution of which probably will be quite costly in both dollars and time. Accordingly, it is believed that funds should be earmarked for obligation in FT 1953, ence the concept of this jest is approved. The estimate for this wark remains at \$5,000,000 in FT 1953.
- 3. The letter referenced in paragraph 1 requested that the amount of \$2.2 million be programmed to the armed Forces Special Vespons Preject at the beginning of FY 1953. This requirement is unchanged. In further support of this request, the following information is furnished:
- a. The amount of \$200,000 was recommended by the ad hec Panel on future Atomic Veapons Tests in paragraph 3.2 of a Secret Restricted Data memorandum for the Chairman, Research and Development Board, file AE 205/4, dated 9 Hevember 1951, subject, "Report of the Ad Hos Panel on Future Atomic Veapons Tests". These funds should be programmed to the Chief, Armed Forces Special Veapons Project, at the beginning of the fiscal year to avoid delay in the roll-up of Operation SMAPPER.
- b. It has been requested previously that the amount of \$2,000,000 be programmed to the Chief, AFSWP at the beginning of FI 1953 so that it will be available as needed for preliminary arrangements and for programs and projects which must enter the contractual phases prior to approval of the detailed effects programs for atomic tests. This is in consonance with the recommendations of the Research and Development Board in "Resume of EDB Review of FI 1953 Research and Development Budget", dated 19 February 1952.
 - (1) An analysis of FT 1952 expenditures shows that of the







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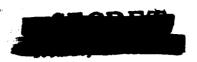
th 000,000 budgeted by AFSWP for future atomic tests, \$1,011,000 was spent for preliminary expenses prior to final approval of the various atomic test programs, and that \$2,000,000 of Morgoncy Funds were programed to GFF-132 for the same purpose. These funds were utilized for such things as the placement of development contracts for instruments which required more than 6 menths to develop; contracting for geophysical surveys which were required prior to the final planning for the participation of cortain projects in tests; allocations to service agencies so that funds were available for the negetiation of contracts wherein the contractor was to execute a desired project at an atomic test; and support of theoretical studies which formed the basis for planning of projects in atomic tests.

(2) Although ever \$3,000,000 were required for preliminary planning during FI 1952, it is believed that \$2,000,000 should suffice for FI 1953 because of the gradually accumulated stock of test equipment and material which will be available for future tests. Expenditures from planning funds during FI 1953 will include development of instruments; prevision of funds to allow early contracting for design of specific projects; provision of funds to allow timely modification of existing equipment; and provision of funds to allow a contract with a single agency to do the bulk of the structures instrumentation for the Kilitary Weapons Effects Test in the Spring of 1953.

| ħ. | A summary of the above requirements follows: | |
|--------------|---|---------------------------|
| what tests | Preliminary planning | \$2.0 million was |
| | Completion phase, Operation SHAPPER | 0.2 million ~ 4.35 |
| | Operation IVY | 0.5 million - week + 1,70 |
| | Operation UPSNOT | 0.8 million |
| | Military Weapons Effects Test, Spring 1953 | 7.5 million 5 30 gol |
| | Operation CASTLE | 5.0 million |
| | Deep Submergence Test Total | 5.0 million 4 |
| 5 3/4 millio | Such State | 451°A WIIIION |







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- 5. It is recommended that the Research and Development Board:
- a. Include the sum of \$21.0 million in planned obligations for atomic teste in FY 1953.
- b. Approve the programming of \$2.2 million to AFSWP at the beginning of FY 1953 for the purposes stated in paragraph 3.

HERBERT B. LOPER
Brigadier General, USA
Chief, AFSWP

