

DEPARTMENT OF THE NAVY
OFFICE OF THE CHIEF OF NAVAL OPERATIONS
WASHINGTON 25, D. C.

OP-365B/dn
Ser 00358P36

109121

28 August 1952

[REDACTED]
From: Chief of Naval Operations
To: DISTRIBUTION LIST

Subj: Atomic Weapons Effects Program, Operation CASTLE

Encl: (1) Format for submitting project proposals
(2) Office of the Assistant Secretary of Defense memo of
12 Jan 1951 to CHAFSWP

1. The Atomic Energy Commission has announced their intention to conduct a series of development tests, Operation CASTLE, at the Pacific Proving Ground during September-October 1953. The Joint Chiefs of Staff have directed that the Chief of Staff, United States Army (Executive Agent for IVY), continue as Executive Agent for CASTLE, and the Commander, Joint Task Force 132, has been assigned this additional mission. It is expected that a limited weapons effects program can be included in the test.

2. Details of the devices to be tested are not yet known. The indications, however, are that one to three air bursts or statically-fired nuclear weapons with yields on the order of 50 KT and one statically-fired, high yield, experimental thermomuclear device will be tested. Planning should be initiated on this basis. As further information becomes available, it will be furnished interested agencies. **BEST AVAILABLE COPY**

3. In view of the difficult logistics for operations at the Pacific Proving Ground and the availability of the Nevada Proving Ground for weapons effects tests, the effects program for the subject operation will be limited to measurements of blast, shock, thermal radiation, nuclear radiation and associated basic phenomena. It is expected that the Atomic Energy Commission will carry out scientific measurements to determine yields and functioning of the devices. Department of Defense weapons effects projects will be coordinated with the Atomic Energy Commission program as was done in the case of Operation IVY.

CLASSIFICATION CANCELLED *
BY AUTHORITY OF DOE/OC

REVIEWED BY

x Ltr. DNA Vavalle To

DOE, OC dated 6/16/87

RG 181 AGENCY/NRDL

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Folder 1711/castle - Atomic
Weapons Effects Prog.



OP-3653/dh
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28 August 1952

Subj: Atomic Weapons Effects Program, Operation CASTLE

- 4. Project proposals for a military weapons effects program for Operation CASTLE should be submitted to the Chief of Naval Operations prior to 20 November 1952. The project proposals will be submitted to the Chief, Armed Forces Special Weapons Project, in order that he can coordinate and formulate a test program for the Services for presentation to the Research and Development Board at an early date.
- 5. Enclosure (1) is the format for submitting project proposals.
- 6. Enclosure (2) explains extra military expenses and may assist in the preparation of the breakdown of funds required for a proposed project.

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By Direction

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D. M. Kraus
D. M. KRAUS, LT, USN



PROPOSED PROJECT SUMMARY

Project Title: _____

Sponsor: _____ Organization: _____

Project Officer: Name, Rank & Service _____
Agency USIEDL
Address Commanding Officer, U. S. Naval Radiological
Defense Laboratory, San Francisco 24, Calif.
Phone VAIencia 4-1900

Objective: (This should be a clear, concise statement of the objective or objectives of this test project; a statement of what is to be accomplished by this test program)

Status: (Indicate briefly the background, theoretical work, experiments, and tests, and individual laboratory efforts leading up to the present requested participation. Also give reasons why the stated objective(s) should be achieved at this test; indicate data to be obtained, and for what purpose the data are intended)

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Procedure: (Practical field methods; outline only, including proposed techniques and instrumentation)

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Support required: (Include estimates of:

- a. Personnel: (Officers, enlisted, civilian; forward and rear echelons)
- b. Instrumentation: (Over and above that which you supply)
- c. On-Site Construction required from ADC Contractors:
- d. Air & Rail Transportation:
- e. Funds: (Indicate a brief breakdown of cost, both R&D and Extra-Military, that will show where the money will be expended. Show funds already available to the sponsoring agency as well as those which must be furnished)

Encl. (1)

OFFICE OF THE ASSISTANT SECRETARY OF DEFENSE

Washington 25, D. C.

0063

SEAL

Comptroller

12 Jan 1951

MEMORANDUM FOR THE CHIEF OF THE ARMED FORCES SPECIAL WEAPONS
PROJECT

SUBJECT: Assumptions for Operating Expenses of Atomic Weapons
Tests.

Reference is made to your memorandum of 20 December 1950 requesting approval of the attached assumptions as a basis for budgeting for extra military expenses of atomic weapons tests.

The attached assumptions are approved as a basis for the division of funding between the Services and the Task Force, and are approved with the understanding that this list is not all inclusive but is an outline of the distinction between normal operating expenses which will be financed by the Services and extra military expenses which are to be financed out of funds made available to the Task Force Commander.

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(s) Lyle S. Garlock

Lyle S. Garlock

Attach.

ENCLOSURE (2)

DIVISION OF FUNDING
BETWEEN THE SERVICES AND THE TASK FORCE

0037

1. The following are "Normal Service Operating Expenses" and will be financed by the Services:

- a. Pay and allowances of all service personnel.
- b. All costs of subsistence of service personnel.
- c. Cost of special clothing normally furnished service personnel when employed in severe climates.
- d. Cost of transportation of personnel to first Task Force duty station upon initial assignment and transportation from last Task Force station to next regular duty assignment. All costs of travel and transportation of the member, his family, and household goods incidental to a permanent change of station when assigned to or relieved from assignment to the Task Force.
- e. Medical and dental services for military personnel.
- f. Ships, aircraft, boats and other standard equipment necessary for the operation, including maintenance, parts, POL and consumable supplies therefor.
- g. Cost of equipment and supplies required in the normal functioning of military units that are supporting the Task Force.
- h. Packing, handling and transportation to Task Force of equipment and supplies furnished by the Services for the support of the Task Force.

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2. The following are "Extra Military Expenses" and are to be financed out of funds made available direct to the Task Force Commander, provided facilities, equipment or modification are not to be continued in use by the Service after completion of the Task Force requirement:

- a. Costs of modification to and subsequent restoration of equipment, aircraft, or ships requested by the Task Force Commander.
- b. Costs of activation and subsequent inactivation of ships, aircraft and small craft requested by the Task Force Commander.

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- c. Costs of rehabilitation of existing structures and facilities at the test site required by the operations of the Task Force.
- d. Costs of construction at the site to provide necessary camp facilities such as buildings, roads, electrical power and water supply.
- e. Cost of transportation of personnel attached to the Task Force and traveling under orders of the Task Force Commander, including costs of temporary duty travel as well as any permanent changes of station travel other than those covered in ld above while assigned to the Task Force.
- f. Administrative expenses incurred by Task Force and Task Force Headquarters.
- g. Cost of equipment required for the operation of the Task Force which is not standard to any of the military services.
- h. Costs of packing, handling and shipment of special equipment required by Task Force (as distinguished from such cost relating to Service support).

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