

PROPOSED AGREEMENT BETWEEN TEST DIRECTOR AND SCIENTIFIC DIRECTOR

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The Scientific Director request that the following general regulations be approved by the Test Director, AEC, for the bomb tests in 1948. It seems very desirable to have these minimum regulations agreed upon early in the operation in order to avoid misunderstandings and, possibly, hard feelings.

1. Only the Scientific Director in person may press the firing button or give consent or order to have it pressed unless he is physically unable to be present, in which case this duty devolves upon the Deputy Scientific Director. Many other officials, ex officio, may veto firing at any specific time or under specific conditions, e. g., the Test Director, the Director of Radiological Safety, etc.

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2. All technical operations, experiments and observations are to be done under the direct supervision of the Technical Director.* The approval in writing by the Technical Director, the Deputy Technical Director or the Assistant Technical Director must be obtained before any proposed experiment may be undertaken or any equipment of whatever nature set up or assembled to make any observation of the physical, chemical, biological or other effects of the atomic bomb explosion within a radius of twenty miles, except simple sensory observations aided by such accessories as binoculars. It has been agreed already with the Task Force Commander that all technical operations will be under the jurisdiction of the Test Director. This paragraph merely stipulates that the Test Director, although retaining the authority to refuse to permit any given experiment, or to order abandoning a previously approved experiment, himself, also delegates the same authority to the Scientific Director. This means that in any case of nonresolved disagreement between the Test and Scientific Directors on whether or not to do a given experiment, the experiment will not be done.

The details as to how an approved experiment is to be done lie wholly within the jurisdiction of the Scientific Director. If the Test Director disagrees with the

*Except as specified for operations falling under Case I, Item 7, below.

REPRODUCED BY AUTHORITY OF DOE/OC

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detailed operation and agreement cannot be reached with the Scientific Director, the only recourse is to order abandoning the experiment.

3. The Test Director will receive all requests and suggestions for experiments proposed by the various divisions of the Armed Forces. It is suggested that he arrange with the Committee set up by the Joint Chiefs of Staff to assist these atomic bomb tests to screen these proposals before they are presented to him. The Test Director will transmit any of these proposals which he would approve to the Scientific Director of the latter's consideration.

4. There may be cases in which experiments can be approved only if some organization outside the AEC and its contractors instruments and carries out the experiment. There may be cases in which the experiment can be approved only if an outside organization pays the expenses for it. In all such cases arrangements will be made such that the personnel assigned the experimental work will report and be responsible to the Scientific Director in exactly the same sense as for all other approved experiments. The question of paying the cost of the experiment will be decided by the Test Director with advice, if he wishes, from the Scientific Director.

5. The Test Director will inform the J. C. S. Committee that 15 November 1947 is the latest date for him to receive all ordinary proposals from any source will be considered for inclusion in the tests unless it is obvious to both the Test and Technical Directors that the proposal embodies the possibility of giving results of major value.

6. At times to be chosen by the Technical Director, usually preceding each proof firing, the Test Director shall arrange that admittance to all areas designated by the Technical Director shall be cleared through the Technical Director's representative set up for this purpose. This regulation is to insure adequate security, safety of personnel and proper operation of technical equipment

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in these area. This may include sea areas as well as land areas.

7. Direct assistance rendered the Technical Director or his staff by the Department of National Defense will usually fall into one of two classes. Either a section of the Armed Services will effectively agree to carry out a particular mission under its own organization and direction, or a group or number of individuals will be assigned to the Technical Director to assist him in carrying out the technical work. In the former case, called Case I, the Technical Director's responsibility is to insure that sufficiently detailed specifications for the job to be done are provided. In case II, the details of the work are the direct responsibility of the Technical Director, and he may or may not, as he deems best, make use of any organization, line of command, etc., previously in use among the individuals of how the Technical Director proposes to operate in some instances. The Technical Director shall decide into which case any given operation falls.


Examples of Case I:

1. Operation of the drone planes to collect radioactive samples from the clouds.
 2. All construction activities not carried out by technical personnel.
 3. Operation of photographic planes but not the cameras therein.
 4. Logistic requirements in general.
 5. Health monitoring of radiation. However, final decisions on the movement of technical personnel will remain the responsibility of the Technical Director. The Technical Director will be the judge whether or not a proposed technical operation will result in exposures and dosages greater than the predetermined maximum. In cases in which the expected dosage exceeds this maximum, a conference is called with the
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Director of Radiological Safety, but it remains the duty and responsibility of the Technical Director to make final decisions for technical personnel. No one will be sent into potentially dangerous areas unless he volunteers in any case.

Examples of Case II:

1. Technical, Scientific and Record Photography. The Scientific Director proposes to use Colonel Gullen's organization as he set it up intact, this organization to operate exactly like any other technical group from Los Alamos, N. O. L., etc. However, the Scientific Director must reserve the right to alter internal arrangements within the group, and to direct that various jobs be performed in particular ways in the same sense as for any other technical group.
 2. Radiation Measurements, not including health monitoring, by Colonel Cooney's organization. Comments similar to those re Photography in No. 1 above.
 3. Bomb assembly-team assistance from A. F. S. W. P. All military personnel assigned to the bomb test operations for purposes of observation and/or experience in bomb assembly and similar operations will be assigned duty individually under the Technical Director with assurance that the men will not be recalled before the completion of the tests. The Scientific Director may limit the number of such personnel and may refuse to take any given individual for this purpose. However, the Technical Director will undertake to accept and use in his operations a minimum number of officers and men equivalent to three pit and bomb assembly teams. Further, he will undertake to
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exchange the men in different operations for the three tests so that the men will gain experience in the particular fields in which they have most interest. However, since it is anticipated that A. F. S. W. P. will wish to supply some three times as many men as will be needed for any particular bomb assembly, the Scientific Director will assign the excess men to other duties in other technical groups for each shot. The direction, selection and assignment of men etc. for assembly teams for each of the three tests will remain in the hands of the Scientific Director and his Assembly Team Captain. Quarters aboard the AV4 and AV5 cannot be guaranteed at this date for more A. F. S. W. P. personnel than the Technical Director needs for aid in the technical operations, i. e., quarters for observers may have to be found elsewhere.

8. There shall be only a single security officer and his staff with whom the Scientific Director will deal. The designation of the classification of areas and operations dealing with technical work shall be worked out among the Test Director, Scientific Director and this security officer. Although undoubtedly various areas will be guarded, all personnel coming in direct contact with the technical staff at work shall wear badges indicative of their clearance. This includes the technical staff. The security officer mentioned above shall have authority to authenticate T. S. material, and the Test Director or Scientific Director with this officer shall have authority to reduce classifications and to declare certain information or material nonclassified.

9. The Scientific Director through the Test Director shall have the authority to ban personal physical equipment (such as cameras) from the whole or any part of the area of operations. A system will be set up whereby it will become possible for individuals participating in the work in the Pacific to obtain prints of certain photographs of unclassifiable nature.

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10. The Scientific Director shall be assigned a fair number of radio channels for his communication and signaling purposes. He will be given authority to impose radio silence throughout the pertinent working area by request to the Task Force Commander through the Test Director as he deems necessary.

11. All press releases or "on the record" publicity statements of any kind involving technical matters will be cleared through the Scientific Director's office as well as through security, in order to insure technical accuracy. All AEC publicity matters are the responsibility of the Test Director, not the Scientific Director, except as noted above.

12. Direct teletype communication between the Scientific Director and the Director, Los Alamos Laboratory will be made possible.

13. Except for space for the Test Director and his staff and for visiting members or representatives of the AEC, the available quarters on the AV4 and AV5 will be assigned by the Scientific Director. The living quarters reserved by the Test Director on these ships for the two purposes mentioned above will not exceed accommodations for ten men.

/s/ James S. Russell
Test Director

15 October 1947
Date

/s/ Daral Froman
Technical Director

6 October 1947
Date

