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OFFICE OF THE ASSISTANT SECRETARY OF DEFENSE
 Washington 25, D. C.

Research and Development

25 October 1954

Research and Development Policy Council
 NOTES
 Meeting of Thursday, 21 October 1954

MEMBERS PRESENT:

Mr. D. A. Quarles, Chairman
 Mr. F. D. Newbury*
 Dr. D. P. Barnard
 Mr. W. H. Martin*
 Mr. F. H. Higgins
 Maj. Gen. J. F. Uncles
 Mr. J. H. Smith
 Mr. R. H. Fogler**
 VAdm. R. P. Briscoe
 Lt. Gen. D. L. Putt

Date 29 MAR 1988
 Declassified
 Authority EO 12356
 Name . . . Chief, Declass Br
 Rec. Mgt. Div, WHS

MEMBERS ABSENT:

Mr. Roger Lewis**
 Mr. Trevor Gardner

ALTERNATE MEMBERS PRESENT:

RAdm. F. R. Furth
 Brig. Gen. K. F. Hertford
 Maj. Gen. James McCormack, Jr.

OTHERS PRESENT:

Brig. Gen. B. S. Kelsey

* New Members of R&D Policy Council as a result of discontinuance of Applications Engineering Policy Council and expansion of scope of R&D Policy Council to cover Applications Engineering as well as Research and Development matters.

** Tentatively indicated as new members. Reason as above.

NOTE: Notes of R&D Policy Council Meetings are circulated to Members, Alternates, Col. J. L. Dickey, USIC, Briefing Officers, OASD (AE), and OASD (R&D).

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Consideration of Notes of 15 September 1954 Meeting (U)

The Notes of the 15 September 1954 Meeting were approved as circulated.

Changes in Membership, R&D Policy Council (U)

Mr. Quarles advised that as a result of a plan, approved by the Secretary of Defense, designed to clarify the working relationships between the Assistant Secretary of Defense (Applications Engineering) and the Assistant Secretary of Defense (Research and Development) (discussed in more detail under Item 1) the scope and membership of the R&D Policy Council was being adjusted, as appropriate, to cover Applications Engineering as well as Research and Development matters. The Assistant Secretary of Defense (Applications Engineering) and his Deputy will be members of the Council.

NOTE: The Secretaries of the Army, Navy, and Air Force will be requested to designate any additional departmental representation required to cover Applications Engineering matters.

Change in Membership of Aeronautical Research and Development Facilities Coordinating Committee (U)

Mr. Quarles announced that because of OASD (AE) interest in certain aspects of the future activities of this Committee that its charter (DCD Instruction No. 5128.30, dated 30 September 1954) would be revised to provide for an additional member designated by the Assistant Secretary of Defense (Applications Engineering).

ITEM 1 - Clarification of The Relationships of The Assistant Secretary of Defense (R&D) and The Assistant Secretary of Defense (AE) (U)

ACTION

The Policy Council noted the proposed DCD Instruction on this subject circulated as Tab A of the agenda. A change in the wording of Section C of the proposed document was suggested and approved.

A copy of the document, as issued, is attached as Tab A.

Discussion of operations under the plan outlined in the proposed instruction developed the following points:

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a. The program reviews by the joint committees will effectively accomplish ASD (R&D) and ASD (AE) review of their respective portions of departmental programs.

b. Further consideration is required of disposition of R&D programs presently in the R&D Committees on Equipment and Supplies, Tanks; Land and Amphibious Vehicles, and Marine Craft and Underwater Ordnance.

c. Scope of joint committee activities may necessitate expanded departmental representation.

ITEM 2 - Establishment of Joint Coordinating Committees on Electronics, Ordnance, Guided Missiles, and Piloted Aircraft (U)

ACTION

The Policy Council agreed to defer consideration of this item until the next meeting with the understanding that the departmental members would submit comments on Tabs B through I of the agenda to the Secretary, with copies to the other Departments, on or before 5 November 1954.

In preparing comments of the proposed field of interest statements for the joint committees, Mr. Newbury requested that the departmental members give consideration to the desirability of mutual consultation and coordination between committees dealing with weapons systems items and committees dealing with single equipment items. As an example, he cited the desirability of consultation on electronic equipment items between the Piloted Aircraft Committee and the Electronics Committee.

ITEM 3 - Policy Re FY 1956 Research and Development Budget (C)

The Chairman introduced this item by reviewing the development of the FY 1956 R&D guidelines and planning figures through Policy Council and OSD considerations. He explained that additional fund requirements had been submitted by the Army and Air Force and more recently had been received from the Navy. He also reminded the members of the favorable treatment accorded the FY 1955 research and development budget requests at all levels after a planning figure had been agreed upon and adhered to and stated that he hoped to be able to do this again for FY 1956.

Mr. Quarles also reported that the over-all budget requests of the Departments for FY 1956 totalled some \$42.2-billion (new

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obligational authority), that planned expenditures totalled \$4.1-billion, and that the new obligational authority request totalled some \$6-7-billion more than earlier policy-level estimates. He emphasized that, while favoring a strong R&D program, he believed that only marginal values are derived beyond a certain point and less than marginal values in a fluctuating program. Above all he was interested in obtaining and maintaining a steady level of R&D effort.

As a basis for discussion of this problem the Chairman suggested reversion to the guidelines with a modification to consist of a request for one \$50-million fund to be held in reserve by OSD for new and important things that come up during FY 1956 which are not amenable to funding through reprogramming (as contrasted to the Emergency Fund which provides for funding of "breakthrough" programs).

Discussion developed the following points:

- a. General concurrence in the desirability of a stable R&D program;
- b. When planning figures are not adequate to cover the needs and requirements of the Departments, the Departments feel it their duty to state requirements;
- c. That there is a feeling in the Departments that funds for research and development are not well coordinated with operational requirements and force levels (Many things of high priority being deferred or strung out);
- d. Modern warfare weapons systems are becoming more complex and more expensive to develop (dollars and man-hours);
- e. There is a limit someplace to the amount of manpower that can be devoted to defense and to military research and development and that every additional demand from here on presents a major problem;
- f. We are faced with a new situation in our research and development program by the addition of new weapons (i.e., piloted aircraft and guided missiles);
- g. General departmental opposition to the suggested \$50-million fund;

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h. The availability of such a fund would probably obviate possibility that Departments would request supplemental research and development appropriations later in FY 1956;

i. Possibilities for technological surprise by Russians are very great. Must recognize we can't possibly match them in every area in which they might concentrate their effort;

j. There is a danger that we are spreading ourselves too thin and that additional funds would be applied on an across-the-board program rather than on a selective program.

ACTION

The Chairman agreed to further study the general question of the level of research and development in FY 1956 with other segments of OSD and to prepare a suggested position for consideration at the next meeting.

Date and Place of Next Meeting (U)

The Policy Council agreed to hold its next meeting on 10 November 1954.

The meeting will be held at 2:00 P.M. in Room 3E-1060.

E. L. Klein

E. L. KLEIN
Secretary

Attachment - 1

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NUMBER 5100.3
DATE 27 October 1954

Department of Defense Instruction

SUBJECT Clarification of the Relationships of the Assistant Secretary of Defense (Research and Development) and the Assistant Secretary of Defense (Applications Engineering)

- References:**
- (a) DOD Directive 5128.7, subject: "Responsibilities of the Assistant Secretary of Defense (Research and Development)," dated 12 November 1953
 - (b) DOD Directive 5129.1, subject: "Responsibilities of the Assistant Secretary of Defense (Applications Engineering)," dated 8 December 1953

I. PURPOSE

The Secretary of Defense has approved a plan proposed by the Assistant Secretaries of Defense for Research and Development and for Applications Engineering for realigning certain of their operations in the interest of providing more effective working relationships with the military departments in their respective areas of responsibility.

The plan is designed to clarify the working relationships between the Assistant Secretary of Defense (Research and Development) and the Assistant Secretary of Defense (Applications Engineering) and is consistent with the Assistant Secretaries' responsibilities as assigned by references (a) and (b). This instruction provides for its implementation.

II. ESSENTIAL DETAILS OF THE PLAN

A. Coordinating Committees

Under the direction of the Secretary of Defense, the three military departments are individually responsible for planning and executing sound departmental technical programs with due regard to the state of the art, the military needs, available resources, and the programs of the other military departments.

The Assistant Secretary of Defense (Research and Development) and the Assistant Secretary of Defense (Applications Engineering) are responsible for reviewing their respective portions of these three programs to see that they are well coordinated and that, collectively, they constitute a sound and integrated over-all Department of Defense program.

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To assist the three departments and the Assistant Secretaries in discharging their respective responsibilities, a number of coordinating committees have been established by the Assistant Secretaries as staff mechanisms for achieving sound, coordinated, and integrated programs in their respective areas of interest.

Experience to date has shown that, although some of these programs are substantially all Applications Engineering (such as Maintenance) and others are substantially all Research and Development (such as General Sciences), most of the programs are Research and Development in one phase and Applications Engineering in another phase.

The programs of joint interest occur mainly in four areas: ordnance, guided missiles, piloted aircraft, and electronics. Accordingly, this plan provides for consolidating the Research and Development and Applications Engineering coordinating committees in these areas and reconstituting them as joint Research and Development and Applications Engineering Committees.

Management of the four new committees will be divided between the two offices. The Office of the Assistant Secretary of Defense (Research and Development) will manage the joint Committees on Piloted Aircraft and on Guided Missiles, and the Office of the Assistant Secretary of Defense (Applications Engineering) will manage those on Electronics and on Ordnance. Management includes the designation of the committee chairman and the provision of a committee secretary. These joint committees will report to both Assistant Secretaries for action by them in their respective areas of responsibility. DOD Instructions reconstituting the coordinating committees in these four areas along these lines are being issued.

The other Research and Development and Applications Engineering coordinating committees will be continued as at present or reconstituted with such adjustments in their respective fields of interest and in reporting channels as may be required to bring them into line with the plan. In this connection, development work on certain types of mechanical equipment and supplies will be concentrated in Applications Engineering committees. Each Assistant Secretary of Defense office will maintain such representation in the committees of the other office as may be appropriate.

Each Assistant Secretary will pursue such studies and investigations within his field of interest as he sees fit, with the understanding that, when such studies or investigations directly affect the other Assistant Secretary or the established committees, the action contemplated will be coordinated either formally or informally, as appropriate.

B. Technical Advisory Panels

The present Research and Development technical advisory panels will be continued and will be available for advice to both Assistant Secretaries.

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C. Policy Councils

The Applications Engineering Policy Council is discontinued. The Assistant Secretary of Defense (Applications Engineering) and his Deputy will become members of the Research and Development Policy Council. Departmental representation on this Council will be adjusted, as appropriate, to cover Applications Engineering as well as Research and Development policy matters.

D. Preparation of Research and Development Budgets and Approval of Departmental Programs for the Obligation of Research and Development Funds

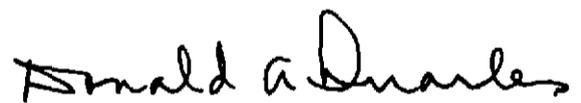
Procedures for preparing Research and Development budgets and for approving departmental programs for the obligation of Research and Development funds will continue as at present, except that the Assistant Secretary of Defense (Research and Development), in recommending approval of these programs to the Secretary of Defense, will obtain the concurrence of the Assistant Secretary of Defense (Applications Engineering).

III. GENERAL

Nothing herein is intended to modify the responsibilities or fields of interest of the Assistant Secretaries of Defense for Research and Development and Applications Engineering as covered by the referenced Directives or to limit their fields of interest to subject matter covered by Research and Development funds.



FRANK D. NEWBURY
Assistant Secretary of Defense
(Applications Engineering)



DONALD A. QUARLES
Assistant Secretary of Defense
(Research and Development)

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