

NATIONAL MILITARY ESTABLISHMENT  
RESEARCH AND DEVELOPMENT BOARD  
WASHINGTON 25 D C

24 June 1949

MEMORANDUM FOR: Subpanel on Systems  
SUBJECT : Meeting of the Subpanel

1. There will be a meeting of the Subpanel on Systems of the Panel on Communication as follows:

Time: 0930  
Place: Room 3E869, Pentagon Bldg., Washington, D.C.  
Date: 7 July 1949

2. The agenda will be the submission of technical estimates for systems. Service representatives are requested to emphasize the submission of complete reports on those systems on which information is readily available rather than partial reports covering the entire list of projects.

J. Z. MILLAR  
Chairman  
Subpanel on Systems

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RESEARCH AND DEVELOPMENT BOARD  
Committee on Electronics  
Panel on Communication

SUBPANEL ON SYSTEMS  
Minutes - Third Meeting  
Room 800, 60 Hudson St.  
New York 13, N.Y.

June 1949

## Present:

Col. J. Z. Millar, Chairman (CM)  
Mr. Robert F. Brady, OCSigO (M)  
Mr. John J. Kolloy, BuShips (M)  
Mr. Stuart M. Schram, Jr., AMC (M)  
Mr. H. Y. Littlefield, WL (M)  
Mr. Royden F. Allen, WL (D)

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## Also Present:

Mr. Harry W. Parmer, SCEL

## Absent:

Mr. Howard T. Hart, AF (M) -  
Mr. W. B. Brann, ASA (M)  
Mr. William M. Richardson, ONR (M)  
Lt. Cmdr. J. W. Jones, CNO (M)

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## 1. Technical Estimates

An effort was made to draft Technical Estimates for Systems Projects but basic data were not available. Service representatives were given copies of chart form for tabulation and were requested to prepare general description and chart for each item. It is planned to include this information in an appropriate appendix of Technical Estimates.

## 2. Systems Projects:

Two new items appeared to be of primary interest, the Army project SC-505C "Overall Study of Data Transmission" and the Navy CODAR. These items will be included in Technical Estimates if it appears that they should be considered as Systems Projects. These items will be discussed at the next meeting.

Not much activity concerning the Bolt Line Project was reported.

Mr. Parmor reported that agreement had been reached to standardize on 20 cycle ringing systems. Mr. Parmor also gave a complete report indicating good progress on (1) Investigation of Automatic Trunk Dial Systems, (2) GSA4, Remote Control Device for Facilitating the Interconnection of Radio and Wire Elements of Communication Networks, (3) GSA5, Systems Control Board for Audio Circuit Patching, etc. and (4) GSA7, Voice Operated Control Unit for Interconnecting Two Tactical Radio Sets at Relay or Switching Point, etc. The last item will have new nomenclature soon.

Mr. Kolley gave a complete description of the Navy Fox communication system. There was some discussion as to whether these systems should be classified as RDB Systems Projects since they are operational in nature and do not require specially developed equipment. It was agreed that they be carried as secondary interest items.

## 3. Systems Standards

Mr. Parmor presented copies of a working level agreement as to standards for frequency division systems, including terms and definitions, explanatory notes and diagrams, and tentative design objectives and standards. This paper will be submitted to Departments for concurrence, after which it will become the working standard. Work will continue on other transmission standards. Frequency standards were discussed.

## 4. Countermeasures

Attention was directed to exchange of letters between RDB and JCS dated 13 May 1948 and reply of recent date.

## 5. Communications Systems Bibliography

Bibliography is being mailed to members, one copy having been received by Chairman.

6. Circuit Requirements

This matter will be brought to attention of Panel on Communication at next meeting.

7. Next Meeting.

Next meeting will be held in Washington, D. C., time and place to be announced. Mr. Brady will arrange. Date, July 7, 1949.