

VZCZCECB 159VZCZCCCV 32
FP RUECYG
ZOV RUECV
T NRL
RR RUECV
DE RUECTDD 135 15/1855Z
R 151848Z
FM DIRNSA FT MEADE MD
TO RUECV/CNO WASH DC
INFO ZEN/DIRNAVSECGRU
ZEN/DNI
BT

~~TOP SECRET~~

MAY 1 1964

COPY 2-9 - NRL
COPY 1 FILE COPY
COPY 8 OF 9 COPIES

~~SECRET~~

JMS 4/16/64 TB
5488-I-
5168-I-
1878-I-
1128-I-
1578-I-

~~SECRET~~ CNO OP922Y3 PASS TO BUREAU NAVAL WEAPONS (RTOS-1)
CNO OP76C PASS TO NRL.
C03X/67-64

1. FOLLOWING COMMENTS ARE IN REFERENCE TO NRL LOCALIZER SYSTEM PROPOSAL DATED 12 FEB 64, WHICH WAS SENT FROM BUREAU OF NAVAL WEAPONS (MR HUBBARD) TO DIRNSA (C03X) FOR EVALUATION:
A. THERE IS NO MATHEMATICAL RESTRICTION TO SUCCESSFUL EXPLOITATION OF THE DATA COLLECTED. THIS STATEMENT IS BASED ON A COMPLETE MATHEMATICAL MODEL COMPLETED BY DR B. C. GETCHELL WHICH CONTAINS NO INCONSISTENCIES AND WHICH IS SUITABLE FOR PROGRAMMING.

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B. THERE IS NO OPERATIONAL RESTRICTION TO SUCCESSFUL EXPLOITATION OF THE DATA COLLECTED. THIS STATEMENT IS BASED ON NSA KNOWLEDGE OF AND EXPERIENCE WITH DATA DENSITIES, COLLECTION FACILITIES, AND DATA PROCESSING.
C. NO REDUCTION IN CALIBRATION FACILITIES BELOW THOSE STATED IN THE PROPOSAL CAN BE TOLERATED BY NSA PROCESSING ELEMENTS.
D. SINCE THE EXPERIMENT WILL (POTENTIALLY) GIVE RESULTS WHICH WILL SATISFY INTELLIGENCE REQUIREMENTS MORE ACCURATELY AND WITH LESS EXPENSE THAN SIMILAR EXISTING EFFORTS, NSA ENCOURAGES CONTINUATION TO COMPLETION OF THE EXPERIMENT.

2. IF THE PROPOSAL IS ACCEPTED AND FABRICATION IS STARTED, NSA WILL:
A. BEGIN THE NECESSARY COMPUTER PROGRAMS NEEDED FOR SUCCESSFUL SIMULATION OF THE EXPERIMENT AND FOR EVENTUAL DATA PROCESSING AND EXPLOITATION.
B. INITIATE A SERIES OF MEETINGS WITH NRL REPRESENTATIVES TO ASSURE THAT ACCURATE AND TIMELY COLLECTION AND PROCESSING CAN BE ACCOMPLISHED. AUTOMATIC PROCESSING MAY REQUIRE SOME MODIFICATION OF THE DATA SYSTEM PROPOSED AND/OR NEW EQUIPMENT AT NSA BUT NO SERIOUS PROBLEMS ARE ANTICIPATED.
3. NSA BELIEVES THAT BEST COORDINATION RESULTING IN AMORE USEFUL

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INTELLIGENCE PRODUCTION CAN BE ACCOMPLISHED BY PLACING THIS EXPERIMENT UNDER PROGRAM C FOR ADMINISTRATION AND USING THE TOG FOR COLLABORATION BETWEEN NRL, ONI, SAC, AND NSA.

GP-3
BT

DOWNGRADED AT 12 YEAR INTERVALS; NOT AUTOMATICALLY DECLASSIFIED. DOD DIR 5200.10

HANDLE VIA
BYEAM *Valent Keyhole*
CONTROL SYSTEM *only*
151848
partly

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~~SECRET~~

APR 1964