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FM ARMY CANBERRA

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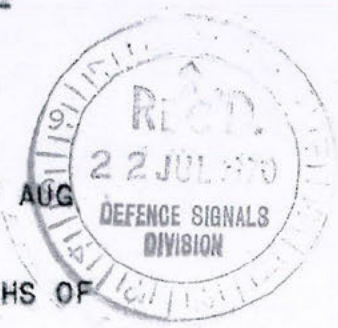
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~~SECRET COMINT CHANNELS M18/2228~~

DAL 21/9/78

FROM M18 FOR DP. ARDF.

ONE. THE FIRST ENGINEERED ARDF MODEL WAS INTRODUCED INTO OPERATIONAL SERVICE 1 JUL 70. RESULTS TO DATE ARE OF THE SAME ORDER OF ACCURACY AS THOSE ACHIEVED BY THE EXPERIMENTAL MODELS.



TWO. WRE EXPECT TO COMPLETE NO2 AND NO3 MODELS BY EARLY AUG 70 BUT THESE MODELS WILL BE EXPOSED TO 2 TO 3 MONTHS OF ENVIRONMENTAL TESTING PRIOR TO BEING AVAILABLE FOR OPERATIONAL USE.

THREE. M18 HAS REQUESTED THAT DURING THIS PERIOD OF TESTING WRE DESIGN NEW BASE PLATE TO ENABLE TWO POSITIONS TO BE FITTED INTO PORTER AIRCRAFT EG ONE ARDF AND ONE SEARCH

POSITION. IN ADDITION A TRAILING WIRE ANTENNA IS TO BE
FITTED TO ALLOW THE PASSIVE DF SYSTEM TO BE MORE EFFECTIVE.

FOUR. THE ORIGINAL PRODUCTION PROGRAMME CALLED FOR FIVE SINGLE
MODELS PLUS TWO COMPLETE RESERVE POSITIONS TO BE CONSTRUCTED.

ARMY HAVE NOW REVISED THIS PROGRAMME AS FOLLOWS.

ALFA. PHASE 1 THREE SINGLE MODELS.

BRAVO. PHASE 2 - (1) ONE SINGLE MODEL.

(2) FITMENT OF TRAILING WIRE ANTENNA.

(3) CONSTRUCTION OF NEW BASE PLATES TO ALLOW
FITMENT OF DOUBLE POSITIONS AS REQUIRED.

FIVE. EXPECT ALLOCATION OF EQUIPMENTS TO BE AS FOLLOWS.

ALFA. THREE EQUIPMENTS IN VIETNAM EG ONE DOUBLE POSITION WITH
ONE SINGLE AS RESERVE.

BRAVO. ONE EQUIPMENT IN AUSTRALIA FOR TRAINING.

SIX. COST ESTIMATE OF PHASE ONE BY WRE IS AS FOLLOWS.

ALFA. WRE DESIGN COSTS 98,000 DOLLARS

BRAVO. ARMY COSTS 55,000 DOLLARS

NO COST ESTIMATES FOR PHASE TWO HAVE AS YET BEEN PREPARED.

SEVEN. PHASE THREE OF THIS PROGRAMME WILL BE A DESIGN STUDY

REQUEST ON WRE CALLING FOR THE AUTOMATION OF PRESENT SYSTEM.

EXPECT THIS TO BE LONG TERM STUDY WITH VIEW TO USE OF

SYSTEM IN NEW PROJECT +N+ AIRCRAFT.

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