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RR [REDACTED]

DE [REDACTED] £1397 2990625

ZNY NMNSH

R 250620Z OCT 72

FM DD OF C(S)

TO DSD

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DSD	FILE	FOLIO
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~~CONFIDENTIAL COMINT CHANNELS~~

FOR [REDACTED]

FOLLOWING MESSAGE (ALSO PASSED TO [REDACTED]) IS COONAWARRA 240522Z

OCT 72. QUOTE

FOR [REDACTED] DWED INFOR [REDACTED] DD OF C(S)

A. HF AERIAL DISTRIBUTION SYSTEM

1. UPGRADING OF AERIAL DISTRIBUTION SYSTEM HAS BEEN COMPLETED

EXCEPT FOR FOLLOWING TASKS:

A. CONNECTION OF SHIP SHORE BAYS TO PLESSEY SYSTEM

B. FITTING OF NEW SELECTOR SWITCHES TO ROOMS [REDACTED]

C. MISCELLANEOUS INTERCONNECTIONS

2. HANDBOOKS AND SPARE FOR AERIAL DISTRIBUTION SYSTEM ARE

HELD BY COONAWARRA

3. TWO PV560 SYSTEMS ARE INSTALLED WITHIN SYSTEM AND ARE

PERFORMING SATISFACTORILY. HANDBOOKS AND SPARES FOR THESE ITEMS

ARE BEING PROCESSED.

4. HF AERIAL DISTRIBUTION SYSTEM HAS SATISFIED DWED TEST SCHEDULES EXCEPT FOR MARGINAL DEVIATIONS IN INSERTION LOSS TEST. NOISE AND INTERMODULATION PERFORMANCE TESTS WERE SATISFACTORY.
5. ADDITIONAL TESTS REVEAL THAT TO DATE AERIALS : 117, 187, 307, 337, AND SLPA ARE DEFECTIVE AND WB1 AND 137 ARE SUSPECT, SHIP'S STAFF ARE REPAIRING THESE AERIALS. IT IS HOPED THE WORK WILL BE COMPLETED BEFORE WET SEASON STARTS. TESTS ARE CONTINUING.
6. THOROUGH SEARCH FOR INTERMODULATION PRODUCTS IN THE BAND 2-30 MHZ DID NOT REVEAL ANY INTERMODULATION PRODUCTS FROM NAVAL TRANSMITTERS ABOVE 3.5 MHZ
7. SIGNAL TO NOISE RATIO IN 5 MHZ BAND HAS ALSO SIGNFIICANTLY IMPROVED.
8. COAXIAL CABLES FITTED WITH FUSE MODIFICATION EXHIBIT GOOD VSWR'S . AERIAL PERFORMANCE IS NOT AFFECTED.
9. ON CUT-OVER FROM STC TO PLESSEY SYSTEM SIGNAL LEVELS IN RECEIVER OUTPUT IMPROVED BY AN AVERAGE OF 3DB
10. IN SUMMARY - THE INSTALLATION HAS RESULTED IN CONSIDERABLE UPGRADING OF AERIAL DISTRIBUTION FACILITIES WITH IMPROVED SIGNAL QUALITY AND SIGNAL TO NOISE RATIO. UNQUOTE