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ROUTINE WHIG INFO PROBE [] CONQUER WAHOO
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SUBJ: FY-69 FUNDING OF [] DIGITIZER

REF: A. WHIG 7572 111910Z APR 68

B. PROBE 0002-68 152234Z APR 68

1. THE ECONOMIES IN DATA ACCURACY, TIMELINESS, AND IMPROVED RECEIVER PERFORMANCE INHERENT IN ON-LINE DIGITIZING MAKE IT ESSENTIAL THAT PROBE BE AUTHORIZED TO PROCEED ASAP WITH PROGRAM FOR DIGITIZING TRANSPONDED POPPY DATA COLLECTED AT [] THE PROCUREMENT OF DIGITIZING EQUIPMENT FOR [] IS AN ESSENTIAL STEP IN THE ADVANCEMENT OF THE POPPY COLLECTION SYSTEM RECEIVING CAPABILITY TO A TECHNICAL LEVEL APPROACHING THAT BEING DESIGNED INTO THE STRAWMAN AND MULTIGROUP SYSTEMS.

2. THE FOLLOWING ARE SPECIFIC RECEIVING AREAS ENHANCED BY EMPLOYMENT OF THE ON-LINE DIGITIZER AT []

A. THE SITE WILL BE ABLE TO RECEIVE FOUR PULSE WIDTHS TRANSPONDED BY MISSION 7106. CONVENTIONAL FM RCDMG WILL NOT PROVIDE THE PW DISCRIMINATION REQUIRED. THIS MULTIPLE PULSE WIDTH RECEPTION WILL ALLOW FOR GREATER TASKING FLEXIBILITY TO PERMIT SIMULTANEOUS COVERAGE OF A PARTICULAR GEOGRAPHICAL AREA WITH MORE RF BANDS TO ENABLE ASSOCIATION OF RADARS WITH TOTAL WEAPONS SYSTEMS.

B. THE MOST SEVERE POPPY LIMITATION IS EPHEMERIS UNCERTAINTY. THE POPPY ANALOG/DIGITAL DATA SYSTEM, OF WHICH THE DIGITIZING EQUIPMENT FOR [] IS AN INTEGRAL PART, WILL PERMIT REAL TIME EPHEMERIS DEFINITION BY RECEPTION OF A BEACON TRANSMISSION BEING BUILT INTO THE POPPY PAYLOAD.

C. THE ADDS PROVIDES A FOUR-FOLD INCREASE IN THE TOTAL NUMBER OF RF BANDS AVAILABLE FOR RECEPTION ON A GIVEN PASS.

3. PROBE 0002-68 STATED THAT FUNDING OF THIS PROJECT WOULD BE INCLUDED IN FY-69 PLANS. QUERY WHEN APPROVAL/FUNDS WILL BE GIVEN TO PROBE TO PROCEED WITH THIS PROGRAM.

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