2020FTC225/100253



TELEMETRY.

Hand Commence

MIDRITY WHIS CORONA GAMBIT/TALENT KEYHOLE FOR OR FLAX FROM GEN MARTIN 1. THE PURPOSES OF THIS MESSAGE ARE TO SUMMARIZE VERBAL DIRECTION RECEIVED BY SAFSP ON THE SUBJECT OF FLYING "BIT BOXES" ON SAFSP VEHILLES. AND TO REQUEST BOTH WRITTEN CONFIRMATION OF THAT DIRECTION AND ADDITIONAL PUNDING. 2. THE TORM "BIT BOX" REFERS TO A SMALL ELECTRONIC PAYLOAD FLORING OR ALL CRBITING VEHICLE FOR THE PURPOSE OF DETERMINING WHETHER THAT VEHICLE IS TRACKED DURING OVERFLIGHT OF DENIED TERRITORY. ALL SUCH PAYL DADS ADD CIVEN SIGINT MISSION NUMBERS IN THE 7001-7099 SERIES. 3. THE FIRST PAYLOAD OF THIS TYPE DEVELOPED BY SYLVANIA-EDL ON AN SAFE? CONTRACT WAS CALLED STOPPER. THIS WAS A RELATIVELY LARGE MODULE, BHIGH IN ADDITION TO DETECTING SKIN TRACKING ALSO DETECTED SPOOFING OF THE S BAND COMMAND SYSTEM. PER VARBAL DIRECTION OF PREVIOUS DIRECTS. 37 STOPPERS WERE PROCURED, OF WHICH SIX WERE FLOWN ON SAMOS E-6, CURCHA AGG SIGINT MISSIONS IN THE 1962-64 TIME PERIOD. THE TWO FLOWN ON SIGING WERE MODIFIED TO PROVIDE CAPABILITY TO DETECT ON TYPE RADARS. SUBSECUENT DETECT ROD IF IED TO PROVIDE CAPABILITY TO DETECT OF THE NATIONAL STATES OF THE PROVED LIGHTER WEIGHT PAYLOADS CALLED "BIT BOXES" RESERVED. THE STOPPERS INEFFECTIVE. WE HAVE NO PLANS TO FLY THE ELEVEN STOPPENO NOW ON THE SHELF AND RECOMMEND THEY BE SCRAPPED. 4. AS THE BIT BOXES SECAME AVAILABLE, WE WERE GAVEN VERBAL DIRECTION BY OR MCMILLAN TO FLY THEM ON EACH CORONA MISSION IF POSSIBLE. IN SOME INSTANCES WEIGHT PROBLEMS PRECLUDED ADDING THE BUT BOX, BUT IN SEVERAL WE PLAN TO FLY ON ON EACH MISSION. WE PROCURED AND FLEW 12 OF THE FIRST GENERATION BIT I PAYLOADS, AND PROCERED 12 OF THE NEXT GENERATION SET 11°S, OF WHICH 10 HAVE BEEN FLOWN AND 2 ARE AVAILABLE FOR THE HEAT TWO CORONA MISSIONS, WE ARE CURRENTLY ON CONTRACT FOR HIME PAYROADS OF A FURTHER IMPROVED CAPABILITY, CALLED BIT IV. THESE AND SCHEDULED FOR DELIVERY BEGINNING THIS MONTH AND WE PLAN TO FLY THEM ON CORONAL THE BIT IV PAYLOAD WEIGHTS 9.6 POUNDS AND ITS POWER REQUIREMENTS ARE FINE WATTS PROGRAMMED AND .3 WATTS CONTINUOUS. 5. THESE BIT BOXES ARE PURCHASED ON A BLACK SYLVANIA CONTRACT WITH APPROVED FUNDS, AND INSTALLATION COSTS ARE COVERED WITHIN THE CORORA SUPPORT FUNDS. S. ON CORONA THE BIT BOX IS INSTALLED ON THE AGENT AFT MACK. THE PAYLOAD'S OUTPUT IS RECORDED ON THE NORMAL CORONA TAPE RECORDER, BUTTON THIS EXCESS CAPABILITY OVER AND ABOVE ITS NORMAL HOUSEKEEPING PUNCTIONS THE CUIPUT IS LATER TRANSMITTED TO GROUND STATIONS OVER THE MORALAL CONTRACT

7. THE CURRENT BIT BOXES ARE DESIGNED PARTICULARLY TO DETENT TO ACKNOW

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TO THE \$ 1000056Z CITE CHARGE 3613

TOY THE HER HOUSE ARDAR. FRIOR TO OCTOBER 1936, THERE TERE NO GEOGRAPH EMSTANCES OF TRACKING. ON 2 CONTOBER, CARONA SAS TRACKED FOR A RECO HAND ON 14 MOVEMBER THE NEXT CORONA WAS TRACKED FOR DE SEUS. THE HAND. WAY OF KNOWING WHETHER GAMBITS ARE SELDE TRACKED. THESE TRACKED INCLUENTS HERE FROM SARY CHACAN. THE DATA COLARRED BY BUT TO COLEMAN. VALUEBLE IN DETERMINING THE OPERATIONAL STATUS OF HER HERBE. THE MASS WITSITION AND TRACKING RADARS OF THE SOVIET ABMIAES SYSTEM, WE ARE EXAMINING POSSIBLE MODIFICATIONS TO BIT WHICH WILL FURTIER AND THE ARMY MES PROBLEM OR, IF THERE IS THE ADDITION OF A 15 MIZ CHARMEL, TO ASSESS THE OVER-THE-HORIZON RADAR. THESE WILL BE DISCUSSED WITH YOU SEPARATE A 8. IN INITIAL PLANNING FOR G-3. NO PROVISION WAS MADE FOR FLYING BIT ONLY PAYLOADS, DURING A PEAC RECONNAISSANCE PAREL MEETING YOU ATTEMED TO AURE 1966, PSAC MEMBERS WERE CRITICAL OF THIS UNISSION. IT IS NOT WELL TO STANDING THAT YOU THEN GAVE VERBAL DIRECTIONS TO COLORED LOW ALLEN TO TAKE THE NECESSARY ACTION TO FLY A BIT BOX OF EVERY 9-3 HISSIBLE WE HAVE STUDIED THIS MATTER AND ARE NOW PREPARED TO PROCEED CONTRACTIONALY AFTER RECEIPT OF PROGRAM DIRECTION AND FUND APPROVAL. WITH 60 AFEAD THIS MONTH WAS CAN BEGIN FLYING BIT BOXES ON EACH 5-3 MISSION PERSONNESS WITH PLICHT TWELVE, WHICH IS FIV #4762, CURRENTLY SCHEDULED FOR 007 OBER 1957.

So THE BIT BOX WILL BE INSTALLED ON THE G-3 SCS. IN ADDITION TO THE DOT . DOXES THEMSELVES, WE WILL REQUIRE THE LINSC 6-3 OFFICE TO MAKE VEHICLE-ECULIAR MODIFICATIONS, INCLUDING A BIT BOX INTERFACE MODILE, AND THE LINSO RESEARCH PAYLOAD OFFICE TO PROVIDE SEPARATE RECORDERS AND TELEMITET MEDILES. THE RECORDERS AND TELEMETRY MODILES ARE REQUIRED BECAUSE G-7. THE FRE CORONA, HAS NO EXCESS CAPACITY IN 1TS RECORDING OR TELESCIPT EMILINE M.

32 WE ESTIMATE THE NON-RECORRING LINGS DEVELOPMENT COST FOR G-3 SCS HI \$750,000 AND THE RECURRING COST PER FLIGHT AS:

BIT IV PAYLOAD

\$ 35,020

VEHICLE PEOLLIAR MODIFICATIONS

96,000 70,900

PETTORDER AND THE MODILES

\$201,200 TOTAL PER SLIGHT THE CURRENTLY APPROVED BUDGET IS ADEQUATE TO COVER BIT SOMES FOR CORONA, AND THE CURRENTLY APPROVED BUDGET FOR CORONA IS ADEQUATE TO COVER INSTALLATION AND RIGHT OF THE BIT BOXES. WE DO NOT HAVE SUFFICIENT FUNDS IN EITHER THE OR 6-3 BUDGETS TO FLIT BIT BOXES ON 6-3. THE REQUIRED INCREASE IN FUNDS FOR 6-3 IS ESTIMATED AS FOLLOWS IS MILLIOND, BASED ON FLYING BIT BOXES ON WINE OF THE MESS ny on ill toffs, all of the ten by 69 plights and all of the him of their 明歌 为ES# 對極效從編釋在作業

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