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PRIORITY LETTER 220

ATTN: COL BUZARD

1. THE FOLLOWING MESSAGES ARE TRANSMITTED FOR YOUR INFORMATION PER TELECON WITH COL [REDACTED] QUOTE SECRET 282136Z PRIORITY [REDACTED] FROM LT COL WEBB SUBJ: AWA-J-2616-72. 1. SUBJ AWA, RON COST [REDACTED] HAS BEEN SUBMITTED BY CONTRACTOR, AT REQUEST OF [REDACTED] FOR INSTALLATION OF YAW PROGRAMMER IN J-18. 2. IT IS MY OPINION THAT VALUE TO PHOTOGRAPHY THAT WILL DERIVE FROM YAW STEERING CANNOT BE CONCLUSIVELY ESTABLISHED BY A COMPARATIVE ANALYSIS OF RESULTS WITH AND WITHOUT THE CAPABILITY. THERE ARE SO MANY FACTORS THAT INDIVIDUALLY AND COLLECTIVELY AFFECT PHOTOGRAPHIC QUALITY THAT THE CONTRIBUTION OF ONE FACTOR CANNOT BE ISOLATED WITHOUT SIMULTANEOUS TESTING OR BY EXERCISES OF PRECISE CONTROL OF ALL FACTORS. NEITHER OF THESE TESTING REQUIREMENTS CAN BE MET WITH ANY DEGREE OF PRACTICABILITY. 3. BEYOND REASONABLE DOUBT THE ADDITION OF YAW STEERING TO VEHICLES CARRYING CORONA PAYLOADS WILL APPRECIABLY ENHANCE THE PHOTOGRAPHY. THE RESULT WILL NOT BE EVIDENT BY COMPARISON OF GIVEN AREA COVERAGE ON TWO DIFFERENT FLIGHTS OR ON TWO DIFFERENT ORBITS OF SAME FLIGHT. UNDER ANY GIVEN CONDITIONS OF ILLUMINATION, EXPOSURE, FILM, PROCESSING, FILTERING, ATMOSPHERICS, SOLAR INCIDENCE ANGLE WITH RESPECT TO OPTICAL AXIS, IMAGE MOTION COMPENSATION, PLATFORM AND INSTRUMENT DYNAMICS, ET AL, PHOTOGRAPHY FROM A PROPERLY CRABBED CAMERA WILL BE BETTER THAN THAT TAKEN OF SAME TARGET AT SAME TIME BY AN IDENTICAL CAMERA THAT IS NOT CRABBED. 4. RECOMMEND THAT FURTHER EXPERIMENTATION WITH YAW PROGRAMMER BE TERMINATED AND THAT YAW PROGRAMMER BE INTRODUCED INTO SYSTEM AS PART OF OPERATIONAL HARDWARE WITH EFFECTIVITY WITH J-19. J-19 AND J-20 CAN BE HANDLED BY AWA. J-21 THRU J-39 SHOULD BE HANDLED BY ADDENDUM TO APPLICABLE WORK STATEMENT. 5. SUBJ AWA BEING APPROVED SUBJECT TO USUAL PROVISIONS FOR SUBSEQUENT NEGOTIATION. WORK NOT CONSIDERED IN-SCOPE OF APPLICABLE CONTRACT BUT NO CHARGE SHOULD BE MADE FOR ENGINEERING INSTALLATION NOT FOR DESIGN OF COMPONENT. SECRET UNQUOTE.

QUOTE SECRET 282139Z PRIORITY [REDACTED] 370. CORONA. AWA-J-2616-69. SUBJ AWA HAS BEEN SUBMITTED BY LMSC FOR INSTALLATION OF PIRANI GAUGES AND AMPLIFIERS ON J-4, J-14, J-19 AND J-20. AM WITHHOLDING APPROVAL OF THIS AWA UNTIL RESULTS OF PREVIOUSLY FLOWN PIRANI GAUGES ARE FULLY ASSESSED AND THE BENEFIT OF FURTHER SUCH INSTALLATIONS IS CLEARLY DELINEATED. FURTHER

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INFORMATION OF PROBABLE OPERATIONAL IMPORTANCE THAT COULD BE GAINED FROM ADDITIONAL FLIGHTS IS NOT READILY APPARENT. FYI, THIS IS SAME SUBJECT THAT HAS BEEN DISCUSSED MANY TIMES IN PAST. BELIEVE IT TIME WE SAT DOWN AND FIGURED OUT WHAT IT IS WE ARE TRYING TO PROVE WITH THESE PRESSURE GAUGES BEFORE WE GO FURTHER. BELIEVE IMPACT OF EFFECTIVITY CAUSED BY DELAY IN APPROVAL WILL BE OF LITTLE SIGNIFICANCE. LOW COST QUOTE FOR WORK IS [REDACTED] IF WORK APPROVED IT WILL BE OUT-OF-SCOPE OF CURRENT CONTRACT. SECRET. UNQUOTE.

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2. BOTH MESSAGES DATED 28 OCTOBER.

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CFN: 6220 CORONA WILL RE RUN ON REQUEST

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[REDACTED]

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