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~~SECRET~~ 071830Z NOW74 CITE CHARGE 8657.
 PRIORITY WHIG.
 HANDLE VIA EYEMAN CHANNELS
 HEXAGON/KENNEN
 FOR COL WHEELER FM GENERAL BRADBURN.
 REF: CHARGE 8311
 SUBJECT: HEXAGON VEHICLE DEFINITION FOR W/K SPS
 STUDY.

1. THE HEXAGON VEHICLE MODEL TO BE USED FOR THE
 HEXAGON/KENNEN MIX STUDY SHOULD BE THAT WHICH
 BEST REPRESENTS THE VEHICLE WHICH WILL BE FLYING
 IN THE LATE 1970'S AND EARLY 80'S. THE REFERENCED
 TWX OUTLINES THOSE HARDWARE IMPROVEMENTS WHICH
 CHARGE WOULD IMPLEMENT ON ANY FUTURE HEXAGON
 BUY. THEY ARE THE NORMAL EVOLUTIONARY PROGRAM
 REFINEMENTS THAT OCCUR ON A MATURE PROGRAM AND

DISTRIBUTION		
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 DO NOT REPRESENT NEW TECHNOLOGIES OR STATE-OF-THE-
 ART ADVANCEMENTS.

2. MISSION SIMULATIONS CONDUCTED IN SUPPORT OF
 THIS STUDY SHOULD INCORPORATE AT A MINIMUM THE
 FOLLOWING PROGRAM IMPROVEMENTS:

- A. MODIFIED FILM TRANSPORT.
- B. REWIND CAPABILITY - RECYCLING OF THE
 FINE FILM PATH.
- C. INTER-OP TIME - THE FORWARD CAMERA
 STARTS PHOTOGRAPHY WITHIN ONE OB REVOLUTION OF THE
 FILM TRANSPORT ON COMMAND.
- D. INTER-OP WASTAGE.
- E. MISSION LIFE OF 130 DAYS AT A PERIGEE OF
 85 N. MILES AND 220 DAYS AT 91 N. MILES.
- F. FILM LOAD 174,500 FT. OF UUTS PER SIDE.
- G. OUR SOFTWARE SIMULATIONS

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THE RESULTS OF THESE STUDIES ARE AVAILABLE AND CAN
BE PRESENTED TO THE SIMULATION WORKING GROUP
IF DESIRED.

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