(b) Review of the TRW detailed design is in process. Acceptance is scheduled for 1 Apr 73. General Electric documentation will be reviewed starting 16 Apr 73. Block 2 development remains on schedule for delivery to operational personnel on 1 Nov 73.

3. The Program 770 (EARPOP) STRAWMAN IV Vehicle 2737 operation was terminated on orbit 9407 ITS 23 Mar 73.

4. The Commanding and Scheduling Software Program (RCASP), in its initial support of Program 770 (EARPOP), is in contract with Planning Research Corporation for modification and maintenance. RCASP performs mission planning by resolving vehicle-to-vehicle conflicts and scheduling real-time data in priority order to maximize vehicle capabilities. Tasking history is maintained to aid target environment analysis.

(1) The Block 7D version of this software system is presently supporting all on-orbit 989 vehicles. This block incorporated operations-oriented changes to improve program interfaces and augment user capabilities.

(2) The Block 7F version is in the final testing process. This block contains a precision spin axis determination program and new system output changes in support of payload processing. This block will be on-line 1 May 73 and be used to support all 989 vehicles.

(3) The Block 7E version is in the initial coding process. This block is required to interface with the station command module MADCOMT. This block will be on-line in June 73 and be used to support all vehicles. The final optimization study items an major system scheduling improvements will be the basis for Block 7G which is currently in the concept stage.

5. The HEXAGON software Contract will end on 31 Apr 73. A follow-on contract was awarded to TRW on 1 Apr 73 and provides for development of a MOD5 software package and HEXAGON operational and maintenance support.

(1) The MOD10 configuration, used on Mission 1294, has been disapproved and replaced by MOD1R.

(2) MOD1R is in current use on Mission 1295. To date, six flight
critical software problems have been identified and corrected.

(3) MOD2 was delivered to SDC twenty-two days late for final testing. As a result, the contract and date was extended to 23 Apr 73. A supplemental agreement, with consideration, has been negotiated with TRW reflecting this extension. MOD2 is in the final stages of test and will be delivered on 9 Apr 1973 for use on Mission 1206. With this delivery, contract will be closed.

(4) MOD3 entered the development phase with the award of contract. This will support hardware changes, starting with Mission 1208. This contract contains schedule and cost incentives against MOD3 delivery and total contract cost.