**BACKGROUND AND PURPOSE**

There are approximately eighty conditions on the condition list approved by the NASA's Space Medicine Division.

For each design reference mission, conditions on the list were prioritized by the ExMC Advisory Group, which includes flight surgeons, physician astronauts, engineers, and scientists. The clinical priority of each condition is based on incidence, consequence, and mitigation capability.

The condition list is a "living document." New conditions can be added to the list, and the priority of conditions on the list can be adjusted as screening, diagnosis, or treatment capabilities change.

The purpose of the SMEMCL is to serve as an evidence-based foundation for the conditions that could affect a crewmember during flight. This information is used to ensure that the appropriate medical capabilities are available for exploration missions.

**THE NEAR-EARTH ASTEROID (NEA) DESIGN REFERENCE MISSION**

Mission duration – 13 months
(6 months on the outbound journey, 1 month of surface or proximity operations, and 6 months on the return journey)

**CREW SIZE** – 3 crewmembers (2 male, 1 female)

**EXTRA VEHICULAR ACTIVITIES (EVA)**

No planned EVAs during the transit phase

Tethered EVAs during the surface/proximity operations

**ADDITIONAL INFORMATION**

Human Research Program: [http://humanresearchjsc.nasa.gov](http://humanresearchjsc.nasa.gov)

HRP Roadmap: [http://humanresearchroadmap.nasa.gov](http://humanresearchroadmap.nasa.gov)

For a copy of the SMEMCL, please contact us.