

# **NASA Advisory Council Recommendation**



# TITLE: Planetary Protection Procedural Requirements Document for Human Extraterrestrial Missions

**RECOMMENDATION:** The NASA Advisory Council recommends that NASA develop the appropriate implementing document to specify planetary protection procedural requirements for human extraterrestrial missions at a level corresponding to the current COSPAR (Committee on Space Research) planetary protection policy, and update it as new knowledge becomes available.

MAJOR REASONS FOR PROPOSING THE RECOMMENDATION: NASA Policy Directive 8020.7G on "Biological Contamination Control for Outbound and Inbound Planetary Spacecraft" requires the development of detailed documents delineating the standards and procedures implementing compliance with planetary protection standards and procedures for human spaceflight missions. Currently, however, no such documents exist for human missions.

#### CONSEQUENCES OF NO ACTION ON THE PROPOSED RECOMMENDATION:

NASA will be out of compliance with its own policy requirements as it plans the prominent flagship missions of human exploration and with international agreements to which the U.S. is a party.

## **NASA** Response



- NASA concurs and will form a core team to:
  - Draft, review and revise a NASA Procedural Requirements Document over the course of the next calendar year.
  - Identify comments and concerns and then vetted responses will be incorporated into the draft NPR and supporting materials.
- NPR will be submitted to NODIS for review by the directorates
- Final approval and circulation for signature of NPR.

## **Planetary Protection for Human Exploration**



## NPR CORE TEAM MEMBERS:

- Human Exploration and Operation Mission Directorate:
  Michael J. Wargo, Co-Lead
- Science Mission Directorate, Planetary Protection Officer:
  Catharine Conley Co-Lead
- Office of the Chief Health and Medical Officer: David Liskowski
- Office of the General Counsel: Robin Frank
- Office of the Chief Scientist: Gale Allen
- Office of International and Interagency Relations:
  Timothy Tawney (SMD), Shari Kamm (HEOMD)

### **HEO Divisions**

- Advanced Exploration Systems Division: Jitendra Joshi
- Exploration Systems Development Division: Steve Clarke
- Space Life and Physical Sciences Research and Applications Division:
  Steven Davison
- Strategic Analysis and Integration Division: John Guidi, Bette Siegel

# First meeting of the NPR core team



- Met 4/19/13 at HQ attendees
  Wargo, Conley, Siegel, Joshi, Frank, Allen, Clarke, Davison
- Reviewed recommendation and response
- Discussed the schedule for the development of the draft NPR for Planetary Protection for Human Missions
- Comments on Draft NPR due 5/3/19
- Scheduling a briefing to core team by Dr. Conley on Planetary Protection

# Development Timeline for NPR for Planetary Protection for Human Extraterrestrial Missions (2013)



