TASK 353: DESIGN AND OPERATIONAL CONSIDERATIONS FOR HUMAN SPACE FLIGHT OCCUPANT SAFETY

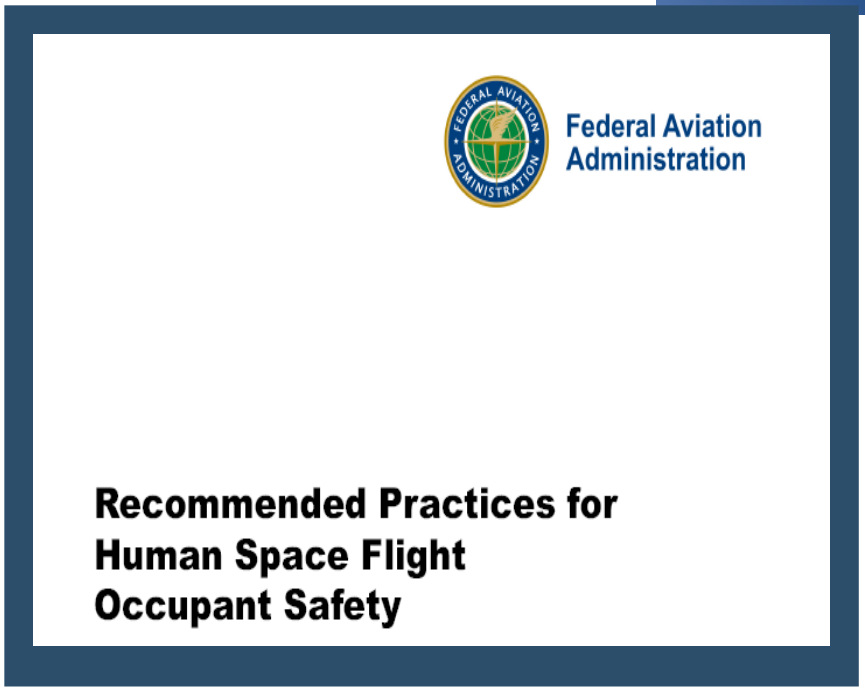
Baylor College of Medicine

PROJECT AT-A-GLANCE

- University: Baylor College of Medicine – Center for Space Medicine
- Principal Investigator: James Vanderploeg, MD, MPH
- Co-Investigators: Tarah Castleberry, DO, MPH
- Multi-year, multi-institution effort to review and augment FAA's Recommended Practices for Human Space Flight Occupant Safety

RELEVANCE TO COMMERCIAL SPACE INDUSTRY

- Review the Recommended Practices document and provide suggested edits and/or recommended additional subject areas to be included in any future versions released
- Provide design and operational considerations for each topic area including additional details, quantified where possible, and/or candidate design and operational solutions that meet the intent of the qualitative guidelines provided in the Recommended Practices document.



FUTURE WORK

2017 — 2018: solicit industry participation, review Recommended Practices, provide suggested edits/missing categories to FAA AST, establish baseline for AIM 2
2018: develop test and/or analysis objectives, quantify performance parameters, begin identifying design and operational solutions, prepare and submit manuscript(s) from results