



**SUMMARY OF REVIEW RESULTS**

CESTAC Member’s Name and Contact Information:

Based on your review sheet, please summarize your findings for each project. Please refer to the research task descriptions on the back of this form.

Research Task Number	1. Is this research area relevant to anything your company is doing or plans to do, or to something that you see as important to the industry? 1 = very relevant 5 = not relevant	2. What is the industry view of the FAA’s role in potential regulations resulting from the each research area? 1 = very likely 5 = not likely	3. Is the planned product or result of the research directly relevant to the need? 1 = very relevant 5 = not relevant	4. Is the project appropriately funded? H = too high R = about right L = too low
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5. Is the distribution of funding balanced appropriately among research areas? (The research areas are 1: Space Traffic Management and Operations, 2: Space Transportation Ops, Tech & Payloads, 3: Human Spaceflight Research, and 4: Space Transportation Industry Viability) .

6. What areas do you think are important that are not currently being addressed in the COE-CST’s research program?



### LIST OF RESEARCH TASKS

Research Task Number	Research Task Title
181	Physiological Database Definitions and Design (Dr. Vanderploeg, University of Texas Medical Branch)
182	Commercial Spaceflight DRMs (Dr. Vanderploeg, University of Texas Medical Branch)
183	Spaceflight Crew & HSP Medical Standards (Dr. Jennings, University of Texas Medical Branch)
184	Human Rating of Commercially Operated Spacecraft (Dr. Klaus, University of Colorado)
185	Unified 4D Trajectory (Dr. Alonso, Stanford University)
186	Space Env MMOD Modeling & Prediction (Dr. Close, Stanford University and Dr. Fuller-Rowell, University of Colorado)
187	Space Situational Awareness (Dr. Scheeres, University of Colorado)
193	Role of COE CST in Encourage, Facilitate and Promote
220	Space Ops Framework (Dr. Hynes, New Mexico State University)
228	Magneto-Elastic Sensing for SHM (Dr. Zagrai & Dr. Ostergren, New Mexico Tech)
241	High Temp Pressure Transducers (Dr. Sheplace, University of Florida & Dr. Oates, Florida State University)
244	Autonomous RDV & Docking for Space Debris Mitigation (Dr. Fitz-Coy, University of Florida, Dr. Collins, Florida State University, Dr. Rock, Stanford University, Dr. Axelrad, University of Colorado)
247	Air & Space Traffic Considerations for CST (Dr. Villaire, Central State Florida University)
253	Ultra High Temp Composites (Dr. Gou & Dr. Kapat, University of Central Florida)
255	Wearable Biomedical Monitoring Equipment for Spaceflight Participants (Dr. Jennings, University of Texas Medical Branch)
256	Testing and Training in High-G Profiles (Dr. Vanderploeg, University of Texas Medical Branch)
257	Master's Ops Lab (Dr. Born, University of Colorado)
258	Multi-disc Analysis of Safety Metrics (Dr. Alonso, Stanford University)
259	Flight Software V&V for Safety (Dr. Alonso, Stanford University)
293	Reduced Order Non-Linear Dynamic System Models (Dr. Miller, New Mexico Tech)
294	Minor Injury Severity Scale for Orbital Human Space Flight (Dr. Jennings, University of Texas Medical Branch)
295	Effects of EMI and Ionizing Radiation on Implantable Devices (Dr. Vanderploeg, University of Texas Medical Branch)
297	Task 1 (Dr. Howard, MU)
298	Task 2 (Dr. Fitzpatrick, MU)