

CESTAC Feedback

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COE CST ATM3 in Washington, DC
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Center of Excellence for
Commercial Space Transportation



Purpose

- CESTAC is the Center of Excellence Space Transportation Advisory Committee
- Consists of industry representatives from across the industry
- Intended to provide COE CST with insight into the relevance of its research agenda to industry needs

Industry Review Process

- Members of CESTAC attending the meeting evaluated each project presented
- Industry review considered 3 parameters
 - Research area important to meet an industry need?
 - Likelihood of FAA role in potential regulations resulting from the research area
 - Planned product or result directly relevant to the industry need?
- This presentation represents preliminary findings in real time

Findings

- Projects in Research Area 3, Human Spaceflight Research, were typically
 - Relevant
 - Important
 - Well executed
- More of a mix in other research areas
- Will provide more detail in report

Four Standout Projects: Highly Relevant to Industry Need and FAA Role

184 Commercial Human Spacecraft Rating (CU-Klaus) [Research Area 3]

220 Space Ops Framework (NMSU-Hynes) [Research Area 1]

255 Wearable Biomedical Monitoring Equipment (UTMB-Castleberry) [Research Area 3]

256 Centrifuge Testing (UTMB-Vanderploeg) [Research Area 3]

Observations

- Research agenda matches more tightly to industry needs than last year
- Presentations were strong and showed progress from last year
- Projects appear to be generating real value by leveraging academic capability
- While commending the work that was done and presented, CESTAC continues to question FAA and COE role in
 - Debris mitigation
 - Education process
 - Defining policy for other agencies

Preliminary Recommendations

- Include project funding and milestones in evaluation process
- Increase participation by industry reviewers
- Ask presenters to specifically address evaluation criteria
 - Industry need
 - FAA role
 - Relevance of project
- Incorporate evaluation criteria into project proposal process
- **ASSIGN EACH PROJECT A UNIQUE NUMBER**

Thank you for the opportunity to
comment