

Panel Discussion: Commercial Crew: Changing the Face of Human Space Transportation

October 11, 2018

1. Is it feasible to accelerate the test flight schedule for commercial crew vehicles should Soyuz be grounded for an extended period?
2. Reed: Pictures of Dragon 2 interior show less switches and lots of screens compared to Boeing's Starliner. What's the procedure for screen failure? Can it be flown from multiple seats?
3. What's the status of the investigation into the Starliner engine test problem this summer?
4. Best and Worst case scenario from your perspective if Russia's human rated fleet has to stand down for an extended period?
5. Has SpaceX finalized changes to Falcon 9 COPVs needed before flying crewed missions?
6. What is your level of confidence regarding the revised test flight schedules announced last week, given the latest delays?
7. Can you comment on the safety requirements levied on Commercial Crew, what challenges they present, and what impact they have had on your vehicle design?
8. What is the age range, qualification, experience, etc. in your selection of commercial crew astronauts vs NASA selected astronauts?
9. How long can current crew stay in orbit without need to return?
10. Mulholland: Boeing integrated the ISS. What lessons learned were utilized to build CST-100? What had to be Unlearned?
11. Reed: what would SpaceX have done differently if the development has been strictly commercial (i.e. not for NASA)?
12. How is NASA preparing for the cadence of commercial launches? Will the organization be able to keep up or be a bottleneck?
13. What is the projected date for the first crewed CST 100 flight?
14. Will your vehicles meet the 1-in-270 LOC requirement? Does NASA agree?
15. What would it take for nasa to treat these flights the way they treat air flights to El Paso?
16. should we revisit idea of getting China to be the third means for human rated emergency transportation?
17. Where was the test site (desert looks like NM or Cali?) for the space x capsule landing tests with the parachutes
18. Given today's Soyuz failure and abort, can you give an overview of your vehicle's abort systems, and test results and plans?
19. A dedicated pad closeout crew has historically engrossed NASA astronauts for launch. How does this look now (split co-ops)?
20. Benji: has your work at NASA WSTF become a potentially larger part of your work on Dragon?