

ALLIANCE FOR SPACE DEVELOPMENT



2017 ASD Annual Report:

- Each year ASD sets annual objectives. These objectives are designed to be vital, actionable, and trackable. At the end of the year, ASD reports on progress made during the year.

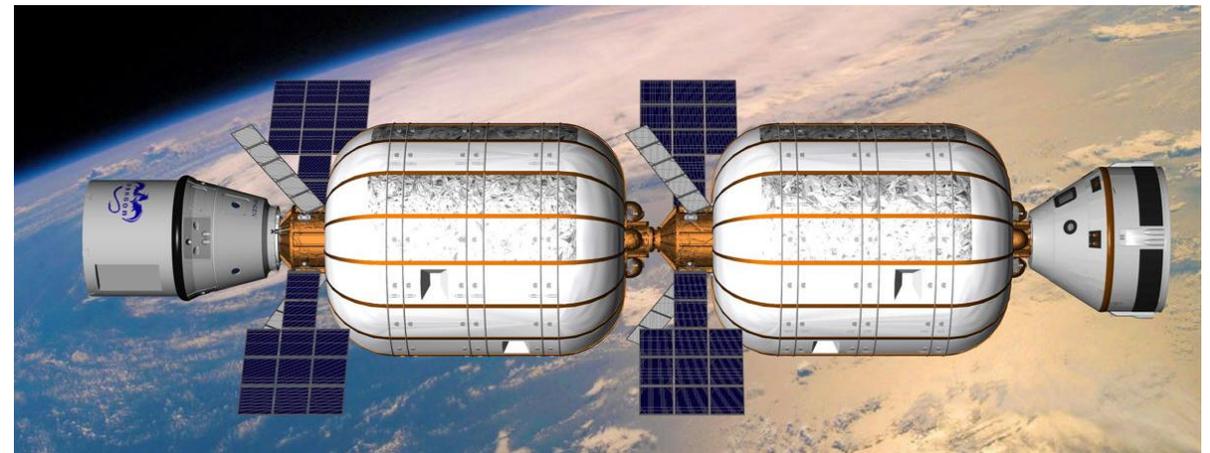


Objective – Establish Ultra Low-Cost Access to Space Program based on public-private partnership:

- **Activities** – A new draft ULCATS Bill was created focused on a public-private partnership rather than a prize, and was advanced during March Storm 2017 and during the August Home District Blitz. Support appeared from the Air Force in the form of an Air University study endorsing ULCATS
- **Status** – Although the draft Bill has encountered general support, we have been unable to identify a set of primary sponsors. There is some possibility that the ULCATS project may be included within other space legislation, and we are continuing to pursue that goal.

Objective – Ensure a low-risk gapless transition from ISS to private space stations in LEO, with NASA assisting with development and acting as an early customer.

- **Activities** – During March Storm it was found that since the NASA Transition Act of 2017 called on NASA to report on the post-ISS transition by 12/1/17, a success from ASD’s 2016 objectives, there was little appetite in Congress for further action on this topic. As a result, this objective was not advanced during the August Home District Blitz.
- **Status** – As of March Storm 2018, the requested NASA report has not appeared. However, the NASA FY2019 Budget request included \$150M to start work on a “seamless transition” to commercial LEO stations.



Objective - Enable the development of a robust cis-Lunar economy based on commercial purchase of:

A. Transportation services for crew and cargo.

B. Fuel and Consumables derived from Lunar and asteroid resources.

C. Goods manufactured in space.

- **Activities** – Based on a fully revised draft Bill, this objective was advanced both during March Storm 2017 and the August Home District Blitz.
- **Status:** The proposed FY2019 NASA budget has \$116M for a PPP to develop Lunar landers and \$218M for Lunar robotic probes.



Objective – Make space development and settlement part of NASA’s official mission

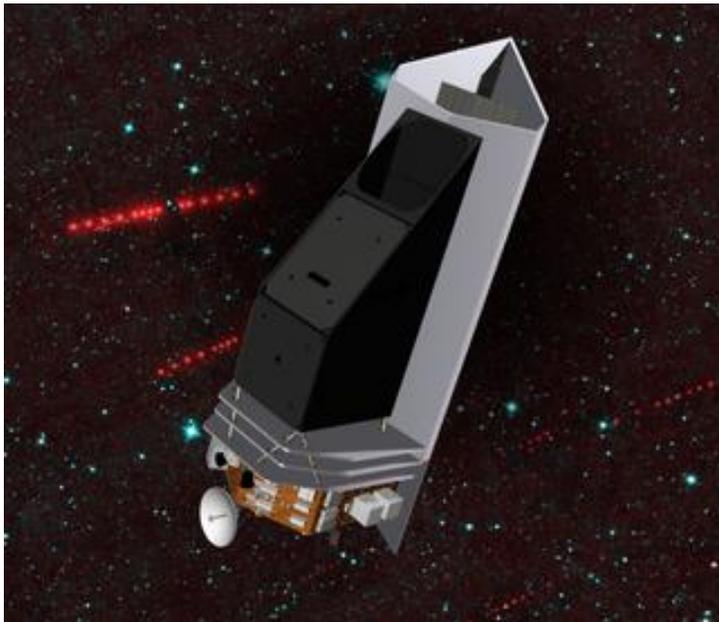


- **Activities** – This objective was advanced during March Storm 2017 and the August Home District Blitz. Significant parts of our proposed text appeared in early Senate versions of the NASA Transition Act of 2017.
- **Status** – Based on information learned during both efforts it was determined that further efforts to advance SEDS would not be successful until certain obstacles in the House were removed.

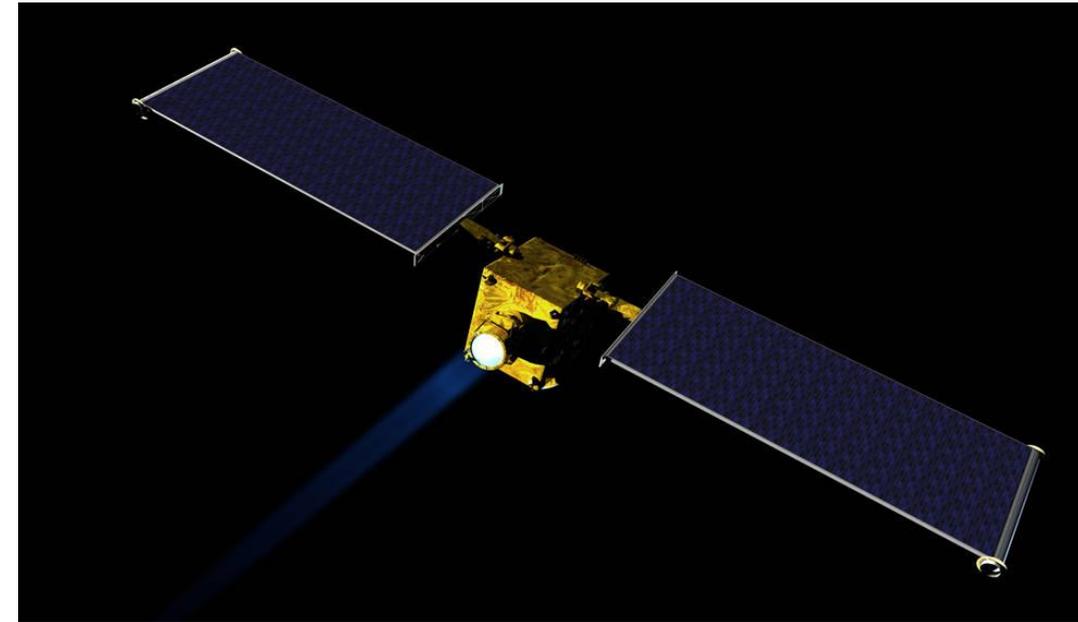


Additional 2017 August Blitz Objective: Planetary Defense

- **Activities** - It was decided that it was tactically ripe to advance planetary defense via support for the JPL NEOCAM project
- **Status** - Funding for JPL NEOCAM was not included in the FY2019 NASA budget request, but a new line item of \$150M for Planetary Defense, including full funding for the DART kinetic deflector, was included.



JPL NEOCAM



DART