

From: Alicia Johnstone

To: Doug Young  
Date: July 02, 2021

Subject: Request for Info - File # 0268-EX-CN-2021

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Message:

Regarding the first point in the information request (1. Provide a list of all timer controlled actions, all command based actions, and any timer based actions that can be stalled indefinitely or commanded early.)

The TARGIT Team's response:

The timer based actions TARGIT will take are as follows:

- 1) Deploy radio antennas and solar panels 30 minutes after deployment from the ISS, and begin beaconing. Initiate detumble (~ 90 min).
- 2) After deployment of the subdeployable from the main spacecraft, if the communication between the main spacecraft and the subdeployable malfunctions after deployment, and the subdeployable is still active and powered, a timer on the subdeployable is set to inflate the target 21 days after it is powered on.

Note that the actual deployment of the subdeployable target, and the unspooling of the tether line, will only be initiated via ground command, so the timing of this can be controlled. And, assuming the communications system between the subdeployable and main spacecraft is operational, the inflation of the target will also be controlled only via ground command.