

STOP BUZZER PROCEDURE FOR CYGNUS NG-21 MISSION

This procedure will be implemented to cease RF transmissions from the Cygnus NG-21 spacecraft.

The STOP BUZZER will be initiated by the US Air Force (USAF) or National Telecommunication and Information Administration (NTIA).

To initiate a STOP BUZZER, the Air Force or NTIA will call the Northrop Grumman (NG) Operations Director (OD) phone at 703-948-2029 and send an email to NGISCygnusMissionDirector@ngc.com. Alternate phone numbers are as follows:

- Alt #1: 816-878-7746 (Teresa Spinelli, NG)
- Alt #2: 571-252-9224 (Zach Dwyer, NG)
- Alt #3: 571-447-6103 (Tony Foti, NG)
- Alt #4: 281-244-6551 (CygNet Houston console)

The phones associated with NG personnel are manned 24/7 during all phases of the mission.

The NG OD phone and the CygNet Houston console phone will be manned 24/7 during the dynamic phasing of the NG-21 mission including launch, rendezvous, departure, and reentry. During the quiescent phases with minimal utilization of communication assets while attached to ISS, the NG OD phone and CygNet Houston console phone are only managed during business hours.

When NG receives a STOP BUZZER call, the following will occur:

1. The caller will provide their identity, and the phone call will be ended.
2. NG will immediately call a pre-established phone number to verify the identity of the requestor, and to obtain the details of the request (reason, duration, etc.). NG will call Jimmy Nguyen (USAF) first. If Jimmy Nguyen does not answer, NG will call Robert Avery (NTIA). Their phone numbers are as follows:
 - Jimmy Nguyen (USAF): 301-225-3729
 - Robert Avery (NTIA): 202-235-4136
3. NG will ensure that an NG Mission Director (MD) has been notified and has provided concurrence before proceeding with the next step (Teresa Spinelli, Zach Dwyer, or Tony Foti).
4. NG will execute 6341-OP322605 (CTC Operations procedure), Table 4 (CTC Tx Power Off, Stop Buzzer). This will need to be repeated after every TDRS-Direct AOS when the Comm Pass ATS or Berthed Autonomous Housekeeping script is running.

NOTE: STOP BUZZER implementation DOES NOT affect the Cygnus-to-ISS 1553 command and telemetry path. Nominal commanding and telemetry operations may continue via this path.