**TITLE**

DISTRIBUTING HOSC DISTRIBUTED VIDEO TO A REMOTE SITE

**PURPOSE**

To define the steps and interactions necessary to successfully distribute HOSC Distributed Video to remote sites.

**PARTICIPATION**

* GIPOC INTEGRATION TEAM
* MSFC CUSTOMER SUPPORT TEAM
* REMOTE SITE USERS
* MSFC OPS

**GENERAL**

HOSC Distributed Video is live downlink video distributed as MPEG2 Transport Stream packets (extracted from IP-encap downlink) and sent to a particular Remote User’s IP address and port via UDP unicast. The full video quality is identical to what is downlinked. Remote users utilize VLC Media Player to view video.

**PROCEDURE**

* NASA Experiment Lead shall provide GIPOC Integration Team Point of Contact (POC) with the names and contact information of the Remote Users requiring HOSC Distributed Video.
* GIPOC Integration Team shall contact Remote user via email to begin process.
* Remote User shall coordinate with their site IT Administrator to obtain the IP Address and Port of the computer to be used to view video.
* Remote User shall provide the IP address and Port of the computer that will be used to view the video via phone call to the GIPOC Integration Point of Contact. NOTE: IP Addresses and Port numbers are sensitive data that should not be transmitted over the internet for security reasons.
* GIPOC POC shall provide IP address and Port number to the MSFC Customer Support Team POC.
* Remote user shall prepare computer to receive and view test video.
  1. Remote user shall download VLC Media Player (recommended) onto the computer. The URL for VLC Media Player is <http://www.videolan.org/>
  2. Remote user shall configure firewall if necessary.
  3. Remote user shall verify that remote computer is ready for video testing.
* Remote user shall contact MSFC/Hal Greenlee at 256 544-6145 between 8am to 5pm CT to setup and stream video to the remote site to test and verify a good connection. Hal will work with the remote user to work any issues, if necessary.
* Remote user shall complete a Certification of Flight Readiness (CoFR) obtained from MSFC/Hal Greenlee and email the form back to Hal and cc: the GIPOC POC to certify that the remote site is ready for ISS operations.