



What's New at the HOSC?

**General Session
July 2015**

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HOSC Ground Systems
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Internet Protocol Ku-Band Services

- ◆ **CCSDS File Delivery Protocol (CFDP) over Disruption/Delay Tolerant Network (DTN)**
 - ◆ The HOSC DTN Gateway is an additional Ku internet protocol service that allows users to take advantage of the store-and-forward capabilities provided by the DTN protocol over the Ku-Band link. Client implementation is available for both TReK and EPC.
 - ◆ Operational use in Increment 46. [See Splinter Presentation]
- ◆ **Network Attached Storage (NAS)**
 - ◆ A replacement Payload Network Attached Storage (NAS) device is scheduled to arrive December 2015 on Orbital 4 and will be installed onboard the Payload Local Area Network (LAN).
 - ◆ See Splinter Presentation if you have any questions about NAS.



ISS Payload Operations Portal Migration

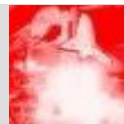
- ◆ Migration of EHS Web  applications to the ISS Payload Operations portal [<https://aeon.hosc.msfc.nasa.gov>]
 - ◆ ISS Payload Operations portal allows users to login and access HOSC services with NASA credentials and allows easier access to mission applications with no software download/installation.
- ◆ The following are available on the ISS Payload Operations portal:
 - ◆ All EHS Web applications (except OCRs). PIMS OCRs will be available from the Operations Portal no earlier than 2016.
 - ◆ Ground Support Equipment (GSE) Packets and Display application
 - ◆ All Database applications (TDB, CDB, Command Delog, etc.)
 - ◆ Near Real-Time (NRT) Archived Data Retrievals
 - ◆ NRT Data Playbacks
 - ▲ Now allows ability to playback from any MOP into the current MOP
 - ◆ Data Set Request and Status (DSRS) Archived Data Retrievals
 - ▲ Playbacks are available from the ISS Payload Operations Portal from any MOP into your current MOP.
- ◆ See Splinter Presentation and Demonstration



ISS Payload Operations Portal Migration



- ◆ The Remote User portion of the HOSC Administrative Portal [<https://mgssp.hadm.msfc.nasa.gov>] will be copied and made available using the ISS Payload Operations portal before Increment 46 transition.
 - ◆ See Splinter Presentation & Demo
- ◆ Remote users can use the current HOSC Admin Portal or the new ISS Payload Operations portal until sometime after Increment 46 transition.
 - ◆ Other sites are being evaluated for inclusion under the 'Remote User' tab in ISS Payload Operations portal.
 - ◆ Current HOSC Admin portal will remain available until sometime after Increment 46 transition.
 - ◆ The existing pages will be updated and training videos will be reorganized.
 - ◆ See Splinter Presentation and Splinter Survey



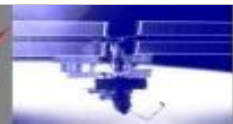
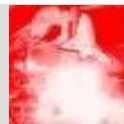
Other Updates

- ◆ **Internet Voice Distribution System (IVoDS) Software Update**
 - ◆ Periodic upgrades are implemented on the voice system and require users to download, install, and configure the latest version of the IVoDS client.
 - ◆ Next upgrade is planned for delivery in August 2015, with the expected client version to be 7.05e. Users will be notified 2 – 3 weeks prior to transitioning to the new software.
- ◆ **Operations Planning Timeline Integration Systems [OPTIMIS] Viewer**
 - ◆ Is being used in the sim environment and will be operational on August 19, 2015.
 - ◆ Users can access OPTIMIS Viewer with their NDC credentials or using HOSC VPN.
 - ◆ A link to JSC training videos is available from the HOSC Admin portal.
- ◆ **TReK Expedite the Processing of Experiments to Space Station (EXPRESS) is an on-board capability**
 - ◆ TReK EXPRESS provides a C++ library with an ANSI-C Application Programming Interface (API).
 - ◆ It allows EXPRESS payloads to interface with an EXPRESS rack without detailed knowledge of the EXPRESS rack interface.
 - ◆ Will be available for Windows 7 and Red Hat Enterprise Linux 6.x.
 - ◆ [See Splinter Presentation]



Other updates

- ◆ Soon we will be migrating from File Transfer Protocol (FTP) to secure FTP. Your feedback on this transition is needed.
 - ◆ The transition will be complete by January 2016.
 - ◆ See Splinter Presentation
- ◆ The federal government has mandated that all government websites implement Transport Layer Security (TLS). What does this mean for you?
 - ◆ See Splinter Presentation
- ◆ POIC/POIF are developing a more robust test and sim environment to support remote users and request your feedback at the Splinter Session.
 - ◆ How can the POIC/POIF make sim events, test, and training experiences better?
 - ◆ What limits your participation in sim events (standalone session, scenarios, integrated sims, etc)?
 - ◆ Software aggravations?
 - ◆ See Splinter Presentation



Splinter Presentations and Demonstrations

- ◆ ISS Payload Operations Portal Migration Presentation and Demonstration
- ◆ Network Attached Storage (NAS) Presentation
- ◆ EPC IP Ku-Band Services and CFDP Presentation
- ◆ TReK EXPRESS Presentation
- ◆ Secure FTP and Transport Layer Security (TLS) Presentation
- ◆ User Feedback Presentation

