What's New at the HOSC?

General Session
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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.

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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.
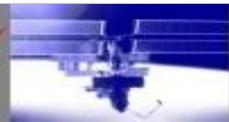
♦ See Splinter Presentation and Splinter Survey

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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 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

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