



The TReK 5.2.0 Software Release will contain the following updates:

- **Cryptography Services**
 - This release will add Federal Information Processing Standard (FIPS) compliant cryptography services.
 - The cryptography services will provide the capability to use secure protocols when transferring files and streaming data. This includes support for using the following protocols securely: User Datagram Protocol (UDP), Transmission Control Protocol (TCP), CCSDS File Delivery Protocol (CFDP), and Bundle Protocol (BP).
 - This update will provide support to payloads that need to meet the SSP 57000 R (ENCRYPTED PROTOCOLS) verification requirement to use secure protocols using Federal Information Processing Standard (FIPS) compliant encryption when the use of network protocols are required for the transmission of sensitive data.
 - **Visiting Vehicle Services**
 - TReK uses the Huntsville Operations Support Center (HOSC) Payload Ethernet Gateway (HPEG) interface to establish a connection and communicate with a payload on ISS using KuIP services. The HPEG interface is being updated to support communication with payloads located on Visiting Vehicles. This version of TReK will be compatible with the HOSC HPEG update.
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