

# Telescience Resource Kit (TReK) Information for POIWG Splinter



January 28, 2015



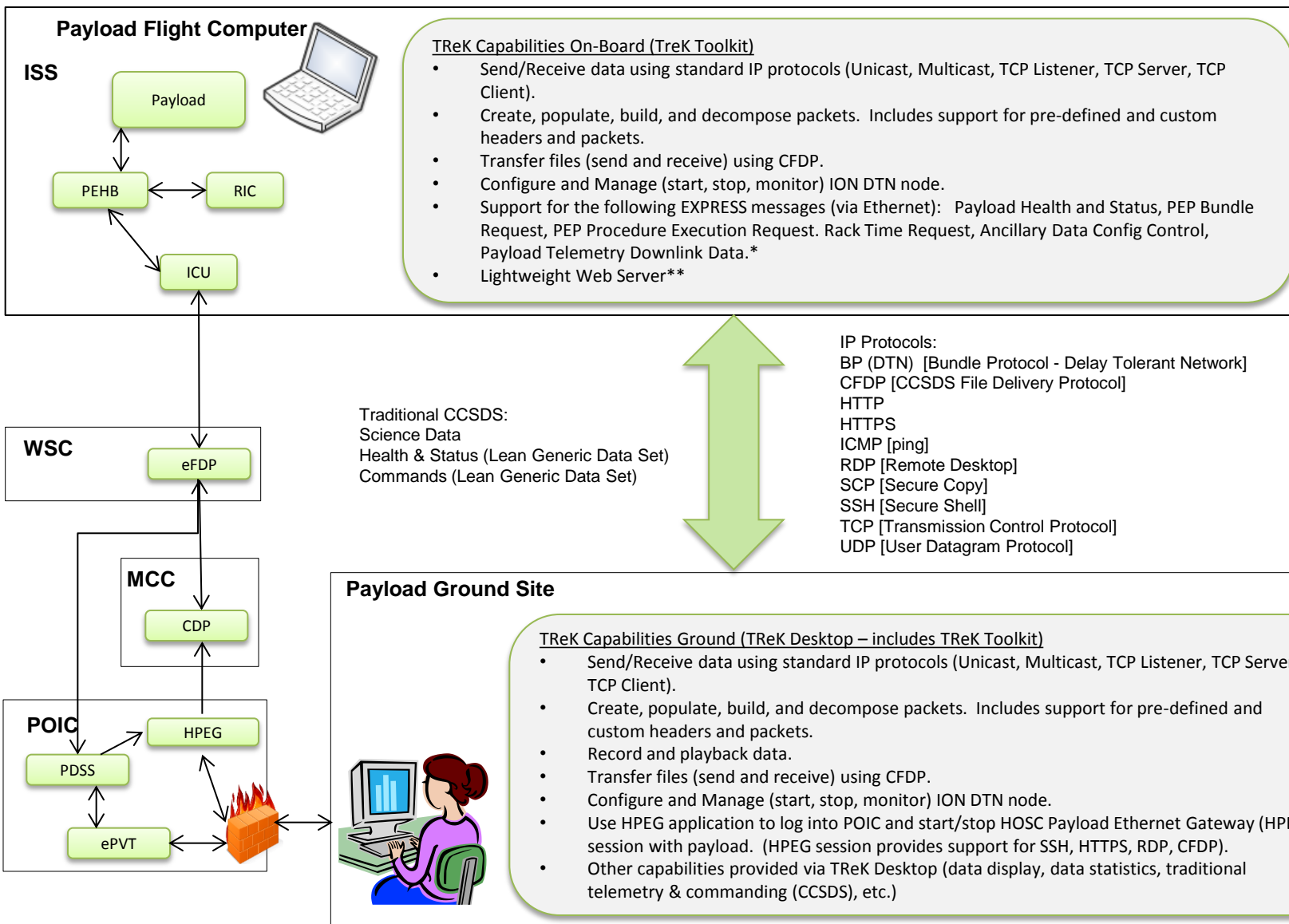
# TReK Information

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- TReK 4.2.0 onboard software verification has been completed.
  - Check with your Payload Integration Manager for information about leveraging off the TReK Verification.
- The TReK Demonstration Payload is scheduled to fly in early 2016 (Ready Date: January 27, 2016).
  - Payload is currently listed as reserve so we don't have an exact date the payload will be onboard.
  - Demonstrate the TReK software running on-orbit on an ISS provided T61p laptop.
  - Pathfinder Payload for NAS and DTN.
  - Current Uplink Plan
    - Uplink the TReK Software to the Payloads Network Address Storage (NAS).
    - Crew initiates image install from Payload NAS using PXE-Boot. (Crew time for the T61p Laptop set up and software transfer from NAS is currently reserve time).
  - Run performance tests for the IP protocols described in SSP 52050.
  - Provide the capability to support live demonstrations during ISS Payload Conferences.
  - Provide the TReK Demonstration Payload as a training tool in the Huntsville Operations Support Center (HOSC) On Demand Test Environment for payloads seeking to experience operating with IP protocols.



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- TReK 4.3.0 will be delivered April 29, 2016. This release will contain the following:
  - Updates to TReK HPEG software to align with the latest HOSC PGUIDD updates for Ku IP.
  - A new TReK HPEG API to provide programmatic access to TReK HPEG information.
  - Updates to the TReK CFDP software to support filestore directives when running native CFDP.



# Point of Contact

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