

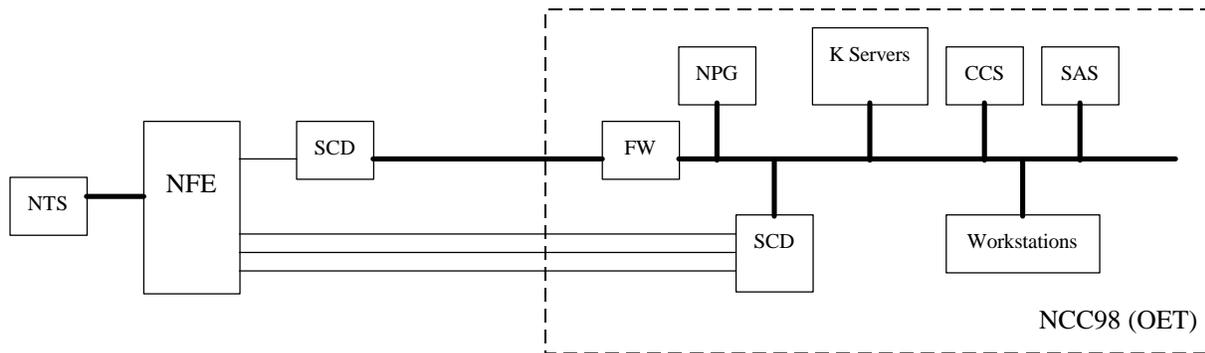
Title: CSA 1.2 Virtual Spacecraft Operations Scenario for Control, and Status.

Objectives:

- Verify receipt and validation of:
 - Customer Ground Control Messages From ISS/STS OCCs
 - ODM data from WSC
 - OPM Accept/Reject Status
- Local transmission of OPM (GCM) to WSC
- Verify transmission of UPD
- Verify transmission of Disposition and Status Data to the ISS/STS OCCs.
- Verify applicable action/info alert data.
- Execute delog reports using the NCD
- Characterize effectiveness, usability, and timeliness of new GUI capabilities.
- Train Performance Analysts and Acquisition Tracking Personnel and fill out skills catalogs and Training Event Reports (TERs)
- Document Verification

Configuration:

System will be configured using NTS as a Network/STS & ISS OCC Simulator.



Data Source: Custom NTS data.

Note: *Italicized steps are performed by NSIA, all others are performed by the operator.*

Prerequisites:

1. *Verified NTS Test Data*
 - *The complete series of message type 98 messages that would originate from each MOCC.*
 - *GAR files to emulate ODMs*

2. *NCC98 Data Base updates to permit atleast one normal user(ISS) and one STS configured for virtual Spacecraft Operations*
3. *Configure system in accordance above diagram.*
4. *Ensure Accounts/Passwords are available for test and applicable operations personnel.*

Ops Scenario:

Performance Analyst

1. *Schedule events using Normal(ISS) and STS that would render the following schedule:*
 - *Event 1: K-Band F/R for STS
S-band F/R for ISS*
 - *Event 2: K-Band F/R for ISS
S-band F/R for STS*
2. For each active event, verify:
 - Event Start notifications
 - Successful ODM field display updates.
 - *User Performance Data Processing*
 - *Using the NTS as a MOCC simulator, for each event, transmit the complete set of GCMRs*
 - Ground Control Message Processing
3. For a single normal and STS user, transmit the complete series of Ground Control Messages (GCMs)
4. Execute three (3) delog requests

Roles and Responsibilities:

PA - Ack/Trk

- Complete the PA Position Log IAW Local Operating Procedures
- Observe and verify R/T Status and Control
- Checkout redlined version of LOPs

NSIA:

- Two NSIA engineers required.
- Configure system.
- Perform all italicized steps in test case.
- Observe of receipt/processing of R/T Status., Control Data
- Observe/assist PA and/or Ack/Trk personnel in completion of all activities.

DOCS:

- 523-HB_NCC/PA PA Handbook
- 530-UGD-NCC/MMDPS MMDPS Users Guide

Estimated Run Time:

2 hours run time

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