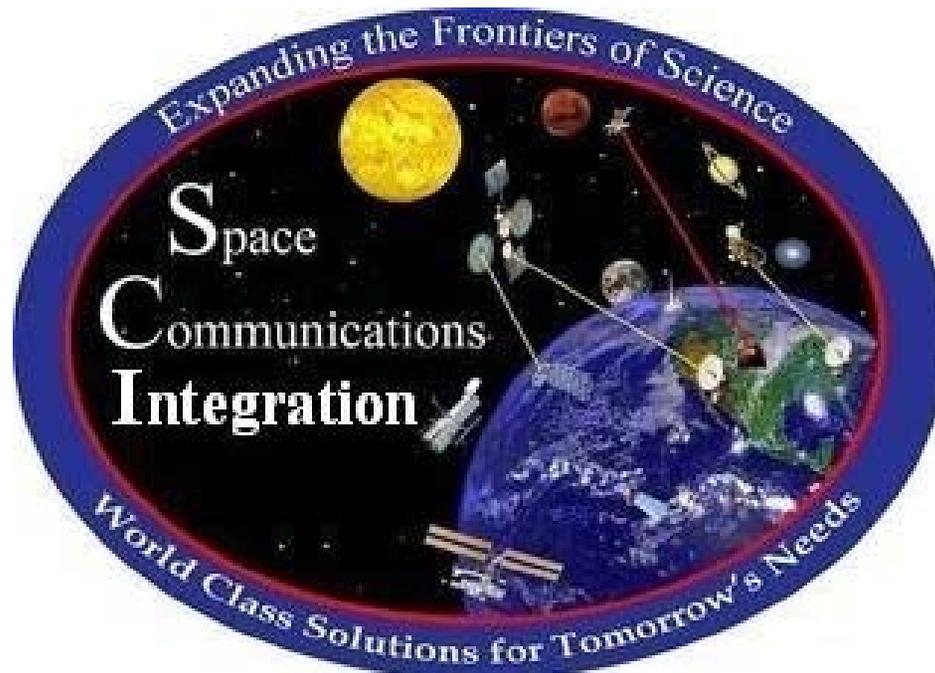


Network Operations Integration Team



Shuttle Knowledge Capture

Mike Marsh

March 31, 2011

Shuttle Knowledge Capture

- Purpose and scope of this project
 - Archiving of shuttle unique processes, procedures, and other products describing what we do in preparation for, during, and after a space shuttle flight, and why we do it.
- This is a Mission Operations Directorate (MOD) project archiving data in a system that will allow only MOD personnel to retrieve the documents.
 - Exceptions could be made by coordinating with the data base administrator.
 - Data will be stored in the JSC MOD “Lessons Learned” Database.
- Unless a document has been reviewed and officially signed off as “Not Containing ITAR/Export Controlled Data” by an Export Control Officer (ECO), all documents will be designated as “Not Yet Reviewed by ECO” when uploading into the database.
 - This will require any user retrieving these documents in the future to take precautions before releasing the data to the public or in a forum with foreign national participation.
- This project is scheduled to terminate at the end of April but we are expecting to be able to make modifications up to the end of the shuttle program.
- **If anyone is anticipating on providing any type of data to this project May 1 or later, please contact Mike Marsh before expending any effort, so we can ensure we still have permissions to upload data.**

Shuttle Knowledge Capture

- Have identified 25 Integrated Networks documents (65 MB) to be archived; have received 102 STS mission notebooks (4.4 GB) from GSFC of which approximately 10 – 15 will be archived in this database.
 - Currently have the STS-26 through STS-132 mission notebooks.
 - If anyone has any data for the first 25 STS missions, especially Launch Counts, we would like to have those.
 - Examples of data in the mission notebook files:
 - World map
 - ISI's
 - Launch window charts
 - Launch antenna usage message
 - OPN's
 - DCN's
 - PRT's
 - Network Launch and Landing Counts
 - DOD Launch and Landing Counts
 - DOD Briefing Message
 - GN and RTS Support Summaries
 - TV Schedules
 - Flight Plan Timelines
 - GC Notes of Interest
 - INCO Comm Memo

Backup

- Suggested Knowledge Capture Ideas:
 - Not just what we did, but how and why
 - Evolution of operational techniques
 - Evolution of facilities/console tools
 - Changes in philosophies/requirements post Challenger and Columbia
 - Success stories and lessons learned from real flight examples.
 - Data that may not be readily available but can be captured through interviews, white papers, etc.
- File type requirements:
 - Text files in PDF format with word searchable capability
 - Video files preferred in MPEG format, discouraging WMV format
 - Picture files: TBS
 - Audio Files preferred in MP3/MP4 format
- Types of files that will not be archived.
 - Software code or executable files.