

DSMC Status of WOTIS for GN Scheduling of SSP and ISS Programs

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Activities since August 2000

- **WOTIS System (hardware and software) has been installed at WSC**
- **Two weeks of initial training at WSC has just been completed by Debbie Dukes from Wallops**
 - **This initial training concentrated on developing workstation skills, familiarizing operators with the software and training in the scheduling of legacy projects and non-automated systems that interface with the WOTIS**

Transition Plan

- **The plan is for Debbie to travel to WSC and conduct training before each group of satellites is transitioned to the new system at DSMC WSC**
 - **Three customer groups have been identified for the transition activities**
 - **Group one - legacy systems - will require 6 weeks for transition - scheduled to begin June/July timeframe**
 - **Group two - automated systems and projects not yet launched - will require 12 weeks for transition**
 - **Group three - Human Spaceflight mission transition - projected for the Oct/Nov timeframe**
 - **WSC WOTIS is presently being connected to the network and the outside world to send data between the systems at WSC and Wallops through the new firewall installed at WSC**
 - **This new connectivity capability will start the transition activities for the legacy users**

Human Spaceflight Mission Transition

- **STS missions will begin transitioning on the first mission after successful completion of legacy and automated transitions**
- **STS transition activities will begin approximately six weeks out from launch with the mission testing activities and continue through launch and the mission period**
 - **There is no parallel scheduling efforts planned at this time between WSO and WSC DSMC**
 - **DSMC will monitor and shadow scheduling activities being processed by WSO for the first two missions; STS-104 and STS-105**
 - **DSMC is currently tracking and monitoring pre-mission activities for STS-104**
 - **WSC DSMC will be prime for scheduling STS-108**

Human Spaceflight Mission Transition (con't)

- **Following successful transition of STS scheduling, ISS will begin their VHF scheduling transition**
 - **DSMC will create the ISS schedule from two-line elements (TLE) one week prior to the beginning of the operations week and send the schedule to WSO for review**
 - **WSO will transfer the schedule back to WSO with any corrections**
 - **Once the schedule is error free DSMC will create the “real” operations schedule and send it to WSO and the sites on Thursday prior to the start of the schedule week beginning the following Monday**

Summary

- **Timelines and schedules are based on best-case scenarios**
- **Launch operations and scheduling errors could stop the process until completed or corrected**
- **Should an unforeseen lapse occur, the process would resume at the strawman point or whichever phase was presently in progress**
- **The entire transition process is anticipated to take approximately 5 months**
- **Shuttle forecast scheduling activities presently performed at GSFC will need to be transitioned by February 2002**