



Soyuz-28/Expedition-29/30 Soyuz-29/Expedition-30/31



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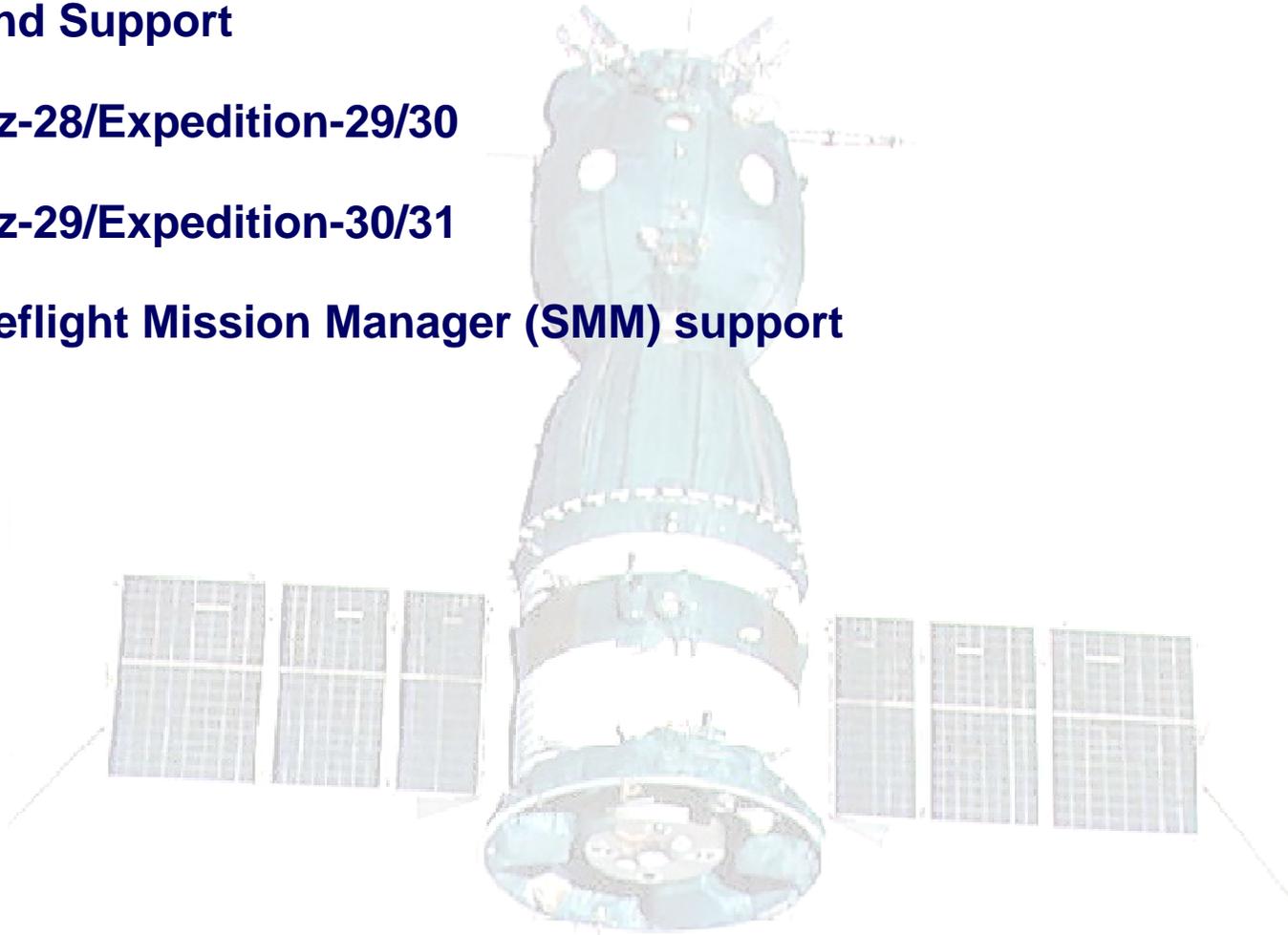




Agenda



- **C-Band Support**
- **Soyuz-28/Expedition-29/30**
- **Soyuz-29/Expedition-30/31**
- **Spaceflight Mission Manager (SMM) support**





C-Band Support



- **C-Band Support**
 - C-band Radars will no longer be scheduled for Soyuz early orbit support
- **C-Band Radar Contingency Support**
 - C-band Radars will only be used for contingency support
 - Contingency declared by International Space Station (ISS) Flight Director (FD)/ISS Ground Controller (GC)
 - C-bands call up contingency support procedure included in TDRSS Network Operations Support Plan (TNOSP)





Soyuz-28/Expedition-29/30



- **Soyuz-28 Launch (TMA-22)**
 - November 14, 2011 Day of Year (DOY) 318/0414Z
- **Docking**
 - November 16, 2011 DOY 320/~0523Z
- **Expedition-29**
 - September 16, 2011 thru November 22, 2011
- **Expedition- 30**
 - November 22, 2011 thru March 16, 2012





Soyuz-29/Expedition-30/31



- **Soyuz-29 Launch (TMA-03M)**
 - December 26, 2011 DOY 360/TBD
- **Docking**
 - December 28, 2011 DOY 362/TBD
- **Expedition-30**
 - November 22, 2011 thru March 16, 2012
- **Expedition-31**
 - March 16, 2012 thru May 2012





SMM Support



- **Goddard Space Flight Center (GSFC) SMMs support of Soyuz**
 - **Mission Operation Readiness Reviews (MORR) and mission support documentation**
 - ISIs, Network advisories, Schedule request, etc
 - **Verify Very High Frequency (VHF) Network readiness to support Soyuz early orbit**
 - Distribution of Two-Line-Elements
 - Verification of SRT
- **Critical Period (Orbits 6-8)**
 - **Coordination of VHF-2 Station interfaces**
- **Support all CONUS view periods from orbit 6 thru docking on console**
- **Support critical ISS docking period on console**





Expedition/Increment Definition



- **Expedition Crew**
 - A complement of Expedition crewmembers which maintain the same ISS Commander (CDR) and Flight Engineers (FEs) for a period of time
- **Crew Increment**
 - An Increment is a specific time period on the ISS which combines different operations such as assembly, scientific research, maintenance and other ISS system and utilization operations
 - The duration of an Increment is the time period from the undocking of a Soyuz to the undocking of the next Soyuz

