



# ***Soyuz-30/31 Mission Planning Network Support Group (NSG) Splinter Group Summary***





# Agenda



- **International Space Station (ISS) Expeditions**
  - Overview of current and future launches
- **Soyuz Missions/ISS Increments**
  - Soyuz 28S through 32S
  - Increments 30 to 34
- **Expedition/Increment Definition**
- **Soyuz Mission Support**
- **Soyuz undocking support**
- **C-Band Contingency Support**
- **Summary**



# Soyuz-30/31 Mission Planning



- Discussion Highlights

- Reviewed Soyuz missions since last NSG (10/17-19/11) to next NSG (10/2012)

- Soyuz TMA-22/28S - 11/16/11 – 04/30/12

- Soyuz TMA-03M/29S - 12/23/11 – 07/01/12

- Soyuz TMA-04M/30S - 05/15/12 – 09/17/12

- Soyuz TMA-05M/31S - 07/15/12 – 11/12/12

- Soyuz TMA-06M/32S - 10/15/12 – 03/19/13

- Future mission

Planning missions



# ***Soyuz-30/31 Mission Planning***



- **Discussion Highlights - continued**
  - **Reviewed Pre-mission, Launch and Early Orbit Operations**
    - **Conduct Mission Operation Readiness Reviews (MORR); generate and review mission support documentation**
    - **Verify readiness of Very High Frequency-2 (VHF) Network for Soyuz early orbit support through docking at the ISS**
    - **Coordinate Critical Period tracking for emergency communications (Orbits 6-8)**
    - **Coordinate schedules for tracking of Continental United States (CONUS) view periods (orbit 6 thru docking)**



# Soyuz-30/31 Mission Planning



- **Discussion Highlights - continued**
  - **Reviewed Soyuz undocking/landing support**
    - **Spaceflight Mission Manager (SMM) staffs Network Integration Center (NIC) console at undocking minus 3 hours**
      - **Coordinates call-up of C-band radar for contingency support**
      - **C-band Radars are no longer scheduled for early orbit (4 through 8) support**
      - **Contingency declared by ISS Flight Director (FD)**
    - **Call up procedure for contingency support is included in the TNOSP**



# ***Soyuz-30/31 Mission Planning***



- **Action Items**
  - **None assigned**