Procedure Name:	Node 1 Docking/Undocking Leak Check 12/18/97
Applicability:	
Frequency:	
Objective:	To check Node 1 for increase in leakage after Orbiter docking and undocking operations
Description:	Ground procedure due to Node telemetry required through Moscow “bent pipe” prior to docking.
Crew Required:	0
Power:	
Data:	
Duration:	
Location:	
Parts:	
Materials:	
Tools:	
Constraints:	
Assumptions:	
Reference Materials:	

NODE 1 DOCKING/UNDOCKING LEAK CHECK

CALCULATE NODE 1 PRESSURE CHANGE RATE PRE ORBITER DOCKING

PCS Node 1: ECLSS

NODE 1 ECLSS

1. Approximately 30 minutes pre Orbiter docking:
   Record Node 1 Pressure (P1):
   Cab_Press: P1 =_____mmHg

2. Record MET1: ____/____:____:____

3. Wait until Orbiter docking complete:
   Record Node 1 Pressure (P2):
   Cab_Press: P2 =_____mmHg

4. Record MET2: ____/____:____:____

5. ΔP1 = P1-P2 = _____mmHg

6. ΔMET1 = MET2-MET1 = _____min

7. Node Press Change Rate 1 = ΔP1/ΔMET1 = _____mmHg/min

   CALCULATE NODE 1 PRESSURE CHANGE RATE POST ORBITER DOCKING

8. Approximately 30 minutes post Orbiter docking:
   Record Node 1 Pressure (P3):
   Cab_Press: P3 =_____mmHg

9. Record MET3: ____/____:____:____

10. Wait until Orbiter docking complete:
    Record Node 1 Pressure (P4):
    Cab_Press: P4 =_____mmHg

11. Record MET4: ____/____:____:____

12. ΔP2 = P3-P4 = _____mmHg

13. ΔMET2 = MET4-MET3 = _____min

14. Node Press Change Rate 2 = ΔP2/ΔMET2 = _____mmHg/min

    ASSESS CHANGE IN NODE 1 PRESSURE CHANGE RATE

15. If Node Press Change Rate 2 > Node Press Change Rate 1 ± TBD:
    Execute NODE PRESS HI/LOW procedure