NODE 1 CABIN FAN ACTIVATION

1. <u>VERIFY APCU AND RPCM STATUS</u>

If crew performing

SSP1 (L12U)

√APCU 1,2 CONV tb - Gray
√OUTPUT tb - Gray

If ground performing

√APCU 1,2 OUT VOLTS RES LOW ≥ 122 Volts

PCS

sel RPCM N14B [X] [X] = [A] [B] [C]

Node 1: EPS: RPCM N14B [X]
[RPCM N14B [X]]

sel RPCM Detail

√All RPCs (eighteen) Position - Op

Repeat

2. <u>SMOKE DETECTOR SD 2 ACTIVATION</u>

PCS

Node 1: ECLSS: SD2
[Nod1 SD 2]
'RPCM N13B A RPC 16'

√Close Cmd - Ena

1. sel RPC Commands
   cmd Close **Execute**
   √Position - Cl

NOTE
If using time tagged commands, allow a minimum 2 second delay between the close RPC command and the monitor enable command to allow the smoke detector voltages to stabilize.

'Nod1 SD 2'

2. sel SD Commands
   cmd Mon Ena **Execute**
   √Act Bit In Prog - True

Wait at least 3 seconds, then

√Act Bit In Prog - False
√Act Bit Fail - Operational
√Obscuration ~0% Contam
√Scatter ~0% obs/m
√Mon Stat - Mon

3. <u>ENABLE AUTOMATIC FIRE ISOLATION</u>

PCS Node 1: ECLSS: FDIR

Nod1 FDIR Details

sel Commands

1. **cmd** N1_1_MDM Fire Isol Ena **Execute**
   √Stat - Ena

2. **cmd** N1_2_MDM Fire Isol Ena **Execute**
   √Stat - Ena

   sel Commands

3. **cmd** N1_1_MDM IMV FDIR Ena **Execute**
   √Stat - Ena

4. **cmd** N1_2_MDM IMV FDIR Ena **Execute**
   √Stat - Ena

4. <u>ACTIVATE NODE 1 CABIN FAn</u>

PCS Node 1: ECLSS: Cab Fan

Nod1 Cab Fan

'RPCM N14B B RPC 17'

√Close Cmd - Ena

1. sel RPC Commands
   cmd Close **Execute**
   √Position - Cl

   'Nod1 Cab Fan'

2. sel Fan Commands
   cmd On **Execute**
   √Stat - On
   √Lim Stat - Ena
   √Spd, rpm: 3877 rpm ± TBD
   √dP, mmHg: 3 mmHg ± TBD

5. <u>SMOKE DETECTOR SD 1 ACTIVATION</u>

PCS Node 1: ECLSS: SD1

Nod1 SD 1

'RPCM N14B C RPC 03'

√Close Cmd - Ena

1. sel RPC Commands
   cmd Close **Execute**
   √Position - Cl

NOTE
If using time tagged commands, allow a minimum 2 second delay between the close RPC command and the monitor enable command to allow the smoke detector voltages to stabilize.

'Nod1 SD 1'

2. sel SD Commands
   cmd Mon Ena **Execute**
   √Act Bit In Prog - True

   Wait 3 seconds, then
   √Act Bit In Prog - False
   √Act Bit Fail - Operational
   √Obscuration ~0% Contam
   √Scatter ~0% obs/m
   √Mon Stat - Mon