## NODE 1 INGRESS

TOOLS REQUIRED:
Portable Fan Assemblies (four)
5/32” Hex Head Driver, 1/4” Drive
4” Ratchet Wrench, 1/4” Drive
General Purpose Tape, 2 inch
4” Adjustable Wrench
Air Sample Bottle (one)

VERIFY NODE 1 POWER CONFIGURATION

SSP1 (L12U)
1. √APCU 1,2 CONV tb - Gray
√OUTPUT tb - Gray

EPCS
Node 1: ECLSS: Cab Fan
Nod 1 Cab Fan

ACTIVATE NODE 1 CABIN FAN

2. Perform NODE 1 CABIN FAN ACTIVATION, all (SODF: ISS OPS), then:

PROVIDE POWER TO NODE 1 INTERNAL LIGHTS

3. Node 1: EPS: RPCM N13B A
RPCM N13B A

sel RPCM Detail
sel RPC [x] [x] = 5 13

√Close Cmd - Enable
**cmd** Close **Execute**
√RPC Position – Cl

Repeat

Node 1: EPS: RPCM N13B B
RPCM N13B B

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

Node 1: EPS: RPCM N13B C
RPCM N13B C

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

Node 1: EPS: RPCM N14B B

RPCM N14B B

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

Node 1: EPS: RPCM N14B C

RPCM N14B C

sel RPCM Detail
sel RPC [x] [x] = 2 15 16

√Close Cmd - Enable
**cmd** Close **Execute**
√RPC Position - Cl

Repeat

CREW INGRESS

Node 1 Fwd Hatch

4. Open Node 1 Forward Hatch with Adjustable Wrench.

> NOTE
> It may take 30 minutes for cold lights to come up full bright.
> Lights must come up to full bright before turning them off.

Node 1 Fwd Endcone

5. NODE 1 General Lighting pb → On
√Node 1 Interior Lights (eight) - Full Bright

Collect one air sample inside the Node 1.
Stow air sample bottle (one) in “Return to Houston” Bag.

Node 1

NODE 1OS2-1 Interior Light pb → Off
NODE 1OP2-1 Interior Light pb → Off
NODE 1OP2-2 Interior Light pb → Off

Node 1 Fwd Port Locker

Remove launch restraint bolts (four) from fire extinguisher locker door.
Stow bolts (four) in “Return to Houston” Bag.
Relocate one Middeck Shuttle Halon Fire Extinguisher to Node 1.

NODE 1 EQUIPMENT RETRIEVAL

6. Retrieve necessary items from Node 1 stowage per the following table.

Table 1. Fan Locations

| LOCATION | ITEMS | QUANTITY | COMMENT |
|---|---|---|---|
| NOD1D4_D1 | PPRV CAPS | 2 | INSTALL ON STBD & PORT HATCHES |
| NOD1D4_G1 | LOC-LINE BRACKETS | 4 | USE ON FANS IN NODE 1 |
| NOD1D4_D2 | AIR SAMPLE BOTTLES | 3 | STOW IN JETTISON STOWAGE BAG |
| NOD1D4_B1 | CREW FOOT RESTRAINTS | 4 | ATTACH TO FOOT BRIDGES |
| NOD1D4_K2 | SAFER | 1 | TBD |

NODE 1 PPRV CONFIGURATION

Nod1 D4_D1

7. Unstow PPRV Caps.

Node 1 Port, Stbd Hatch

Install Caps on Node 1 Port and Stbd PPRV.

NODE 1 NPRV VERIFICATION

8. Stbd Fwd NPRV

Nod1 D4_B1

Unstow Crew Foot Restraints as needed.

Nod1 S2-13

Install Crew Foot Restraint on foot bridge.
Unfasten captive fasteners (four) using 5/32” Hex Head and Ratchet.
Remove Closeout Panel NOD1S2-13.
√N1 Stbd Fwd NPRV Cover - Cl
Replace Closeout Panel.
Fasten captive fasteners (four) using 5/32” Hex Head and Ratchet.

Nod1 S2-33

9. Stbd Aft NPRV

Unfasten captive fasteners (five) using 5/32” Hex Head and Ratchet.
Remove Closeout Panel NOD1S2-33.
√N1 Stbd Aft NPRV Cover - Cl
Replace Closeout Panel.
Fasten captive fasteners (five) using 5/32” Hex Head and Ratchet.

Nod1 P2-13

10. Port Aft NPRV

Install Crew Foot Restraint on foot bridge.
Unfasten captive fasteners (four) using 5/32” Hex Head and Ratchet.
Remove Closeout Panel NOD1P2-33.
√N1 Port Fwd NPRV Cover - Cl
Replace Closeout Panel.
Fasten captive fasteners (four) using 5/32” Hex Head and Ratchet.