"INTEGRATED"

CSM ENTRY PROCEDURES

- Starts with the baseline SW & CB configuration
- Integrates "New" Procedures & Checklist Procedures with revisions
- Includes SM Photo & Stowage Procedures
- Should reflect what was read up to the crew ~ Get 127

O'Neill FCSD

Master
CSM BASELINE (BL) CONFIGURATION

BL-1

PANEL 1

EMS FUNC - OFF
EMS MODE - STBY
GTA - off (down)
EMS GTA COVER - Secure
CMC ATT - IMU
FDAI SCALE - 5/5
FDAI SEL - 1
FDAI SOURCE - GDC
ATT SET - CDC
MAN ATT ROLL - RATE CMD
MAN ATT PITCH - RATE CMD
MAN ATT YAW - RATE CMD
LIM CYCLE - OFF
ATT DDB - MIN
RATE - HIGH
TRANS CONTR PWR - OFF
RHC PWR NORM (2) - OFF
RHC PWR DIR (2) - OFF
SC CONT - SCS
CMC MODE - FREE
BMAG MODE ROLL - RATE 2
BMAG MODE PITCH - RATE 2
BMAG MODE YAW - RATE 2
SPS THRUST - NORMAL (lock)
ΔV THRUST (2) - OFF (guarded)
SCS TVC PITCH - AUTO
SCS TVC YAW - AUTO
SPS GMBL MOT PITCH (2) - OFF
SPS GMBL MOT YAW (2) - OFF
ΔV CG - LM/CSM
ELS LOGIC - OFF (guarded)
ELS AUTO - MAN
CM RCS LOGIC - OFF (down)
CM PRPLNT DUMP - OFF (guarded)
CM PRPLNT PURG - off (down) (guarded)
IMU CAGE - off (down) guarded
EMS ROLL - OFF
.05G sw - OFF
BL-2

a/Pc IND sw - Pc
LV/SPS IND S11/SIVB - GPI
TVC GMTL DR PITCH - AUTO
TVC GMTL DR YAW - AUTO
EVNT TMR RSET - up (center)
EVNT TMR STRT - stop
EVNT TMR MIN - center
EVNT TMR SEC - center

PANEL 2

PL VENT vlv - push (lock)
PROBE EXTD/REL - OFF (guarded)
PROBE EXTD/RETR (2) tb - gray
DOCK PROBE RETR PRIM - OFF
DOCK PROBE RETR SEC - OFF
EXT RUN/EVA LT - OFF
EXT RNDZ LT - off (center)
TUNL LT - OFF
IM PWR - OFF
SM RCS He 1 (4) - center (on,up*)
SM RCS He 1 tb (4) - gray
UP TLM CM - BLOCK
UP TLM IU - BLOCK
CM RCS PRESS - off (down) (guarded)
SM RCS IND sw - PRPLNT QTY
SM RCS He 2 (4) - center (on,up*)
SM RCS He 2 (4) tb - gray
SM RCS HTRS (4) - OFF
SM RCS PRPLNT (4) - center (on,up*)
SM RCS PRPLNT tb (4) - gray
SM RCS PRPLNT tb (4) - bp
RCS CMD - center (OFF*)
RCS TRNFR - center (SM*)
CM RCS PRPLNT (2) - center (on,up*)
CM RCS PRPLNT tb (2) - gray
SM RCS SEC FUEL PRESS (4) - center (CLOSE*)
EDS AUTO - OFF
CSM/IM FINAL SEP (2) - off (down) (guarded)
CM/SM SEP (2) - off (down) (guarded)
STVB/IM SEP - off (down) (guarded)
PRPLNT DUMP - RCS CMD
2 ENG OUT - OFF
LV RATES - OFF
TWR JETT (2) - OFF (down) (guarded)
LV GUID - IU
LV STAGE - off (down) (guarded)
XJUNAR - INJECT
MN REL - off (down) (guarded)
MSN TMR HR - off (center)
MSN TMR MIN - off (center)
MSN TMR SEC - off (center)
C/W NORM - ACK
C/W CSM - CM
C/W PWR - OFF
C/W LAMP TEST - off (center)
MSN TMR - START
RCS IND sel - SM D
CAB FAN (2) - OFF
H2 HTBS (2) - OFF
02 HTBS (2) - OFF
02 PRES IND sw - SURGE TK
H2 FANS (2) - OFF
02 FANS (2) - OFF
ECS IND sel - PRIM
ECS RAD FLOW AUTO CONT - AUTO
ECS RAD tb - gray
ECS RAD FLOW PWR CONT - off (center)
ECS RAD MAN SEL - RAD 1
ECS RAD PRIM HTR - off (center)
ECS RAD SEC HTR - OFF
POT H2O HTR - OFF
SUIT CTKT H2O ACCUM AUTO - l
SUIT CTKT H2O ACCUM - off (center)
SUIT CTKT HT EXCH - off (center)
SEC COOL LOOP EVAP - off (center)
SEC COOL LOOP PUMP - off (center)
H2O QTY IND sw - POT
GLY EVAP IN TEMP - MAN
GLY EVAP STM PRESS AUTO - MAN
GLY EVAP STM PRESS INCR - center
GLY EVAP H2O FLOW - off (center)
CAB TEMP - MAN
CAB AUTO TEMP tw - max decr
HI GAIN ANTI TRACK - AUTO
HI GAIN ANTI BEAM - WIDE
HI GAIN ANT PITCH POS - 0°
HI GAIN ANT YAW POS - 180°
HI GAIN ANT PWR - OFF
HI GAIN ANT SERVO ELECT - PRIM

PANEL 3

VHF ANT - SM LEFT
SPS ENG INJ VLV ind (4) - CLOSE
FC RAD (3) - center (NORMAL*)
FC RAD (3) tb - N/A
FC HTRS (3) - OFF
FC IND sel - 2
SPS QTY TEST - off (center)
OXID FLOW VLV INCR - INCR
OXID FLOW VLV PRIM - PRIM
PUG MODE - NORM
FC PURG (3) - OFF
FC REAC (3) - center
FC REAC tb (3) - gray
FC 1 MN BUS A - OFF
FC 1 MN BUS A tb - gray
FC 2 MN BUS A - OFF
FC 2 MN BUS A tb - gray
FC 3 MN BUS A - OFF
FC 3 MN BUS A tb - gray
MN BUS A RSET - OFF
FC 1 MN BUS B - OFF
FC 1 MN BUS B tb - gray
FC 2 MN BUS B - OFF
FC 2 MN BUS B tb - gray
FC 3 MN BUS B - OFF
FC 3 MN BUS B tb - gray
MN BUS B RSET - OFF
DC IND sel - MNA
BAT CHARGE - OFF
SPS He vlv (2) - AUTO
SPS He vlv tb (2) - bp
SPS LINE HTRS - off (center)
SPS PRESS IND sw - He
S BD XPNDR - center (OFF)
S BD PWR AMPL PRIM - PRIM
S BD PWR AMPL HI - center (OFF)
PWR AMPL tb - bp
S BD MODE VOICE - VOICE
S BD MODE PCM - PCM
S BD MODE RNG - RNG
S BD AUX TAPE - off (center)
S BD AUX TV - off (center)
UP TIM DATA - DATA
UP TIM CMD - OFF
S BD ANT OMNI - B
S BD ANT - OMNI
VHF AM A - (center)
VHF AM B - center
VHF AM RCV - off (center)
VHF AM SQLCH tw (2) - noise threshold +1 div
VHF BCN - OFF
VHF RNG - OFF
S BD SQUELCH - OFF
FC REACS vlv - NORMAL
H2 PURG LINE HTR - OFF
TAPE RCDR PCM - PCM/ANLG
TAPE RECNR RCD - RCD
TAPE RECNR FWD - CENTER
TAPE MOTION tb - bp
SCE Pwr - CENTER
PMP Pwr - CENTER
PCM BIT RATE - HI
AC INV 1 - OFF
AC INV 2 - OFF
AC INV 3 - OFF
   INV 1 AC 1 - OFF
   INV 2 AC 1 - OFF
   INV 3 AC 1 - OFF
AC 1 RSET - OFF
   INV 1 AC 2 - OFF
   INV 2 AC 2 - OFF
   INV 3 AC 2 - OFF
AC BUS 2 RSET - OFF
AC IND sel - BUS 20C

PANEL 4

SPS GAUGING - OFF
TELCOM GRP 1 - OFF
TEL COM GRP 2 - OFF
GLY PUMPS - OFF
SUIT COMPR (BOTH) - OFF
cb Panel 4 - all closed

PANEL 5

FC1 PUMPS - OFF
FC2 PUMPS - OFF
FC3 PUMPS - OFF
G/N PWR - OFF
MN BUS TIE BAT A/C - OFF
MN BUS TIE BAT B/C - OFF
BAT CHGR - AC1
NONESS BUS - OFF
INT INTGL LT - OFF
INT FLOOD LT - OFF
INT FLOOD LT DIM - 1
INT FLOOD LT FIXED - OFF
cb Panel 5 all open

PANEL 6

MODE - INTERCOM/PTT
PWR - OFF
INTERCOM - T/R
PAD COMM - OFF
S BD - T/R
VHF AM - T/R
AUDIO CONT - NORM
SUIT PWR - OFF
tw settings - as desired

PANEL 7

EDS PWR - OFF
SCS TVC SERVO PWR #1 - OFF
SCS TVC SERVO PWR #2 - OFF
FD/AI/GPI PWR - OFF
LOGIC 2/3 PWR - OFF
BL-7

SCS ELEC PWR - OFF
SCS SIG CONDR/DR BIAS 1 - OFF
SCS SIG CONDR/DR BIAS 2 - OFF
BMAG PWR (BOTH) - OFF
DIRECT O2 vlv - CLOSE

PANEL 8

cb Panel 8 - all closed except:
   cb SCS LOGIC BUS (4) - OPEN
   cb SPS PITCH, YAW (4) - open
   cb SPS GAUGING (4) - open
   cb SECS ARM (2) - open
   cb EDS (3) - open
   cb ELS BAT A BAT B (2) - open
   cb PL VENT FLT/PL - open
   cb SCS DIRECT ULL (2) - open
   cb SM RCS HTR-A MN B - open
   cb SM RCS HTR C MN B - open
   cb SM RCS HTR B MN A - open
   cb SM RCS HTR D MNA - open
   cb CM RCS HTRS (2) - open
   cb FLOAT BAG (3) - open

AUTO RCS SEL A/C ROLL A1 - OFF
AUTO RCS SEL A/C ROLL C1 - OFF
AUTO RCS SEL A/C ROLL A2 - OFF
AUTO RCS SEL A/C ROLL C2 - OFF
AUTO RCS SEL B/D ROLL B1 - OFF
AUTO RCS SEL B/D ROLL D1 - OFF
AUTO RCS SEL B/D ROLL B2 - OFF
AUTO RCS SEL B/D ROLL D2 - OFF
AUTO RCS SEL PITCH A3 - OFF
AUTO RCS SEL PITCH C3 - OFF
AUTO RCS SEL PITCH A4 - OFF
AUTO RCS SEL PITCH C4 - OFF
AUTO RCS SEL YAW B3 - OFF
AUTO RCS SEL YAW D3 - OFF
AUTO RCS SEL YAW B4 - OFF
AUTO RCS SEL YAW D4 - OFF
INT NUM LT - OFF
INT INTGL LT - OFF
INT FLOOD LT - OFF
FLOOD LTS DIM - 1
FLOOD LTS FIXED - OFF
FLOAT BAG (3) - VENT (locked)
SECS LOGIC (2) - OFF (down)
SECS PYRO ARM (2) - OFF (down)
PANEL 9

MODE - INTERCOM / PTT
PWR - OFF
INTERCOM - T/R
PADD COMM - OFF
S BD - T/R
VHF AM - T/R
AUDIO CONT - NORM
SUIT PWR - OFF
VHF RNG - NORM
tw settings - as desired

PANEL 10

MODE - INTERCOM / PTT
PWR - OFF
PAD COMM - OFF
INTERCOM - T/R
S BD - T/R
VHF AM - T/R
AUDIO CONT - NORM
SUIT PWR - OFF
tw settings - as desired

PANEL 12

IM TUNL VENT vlv - IM/CM AP

PANEL 13

FDAL sw (2) - INRTL
EARTH/LUNAR - PWR OFF
ALT SET - 100
LTG - OFF
MODE - HOLD/FAST
SLEW - off (center)

PANEL 15

COAS PWR - OFF
UTIL PWR - OFF
PL BCN LT - off (center)
PL DYE MARKER - off (down) (guarded)
PL VENT - OFF

PANEL 16

DOCK TRGT - OFF
UTIL PWR - OFF
COAS PWR - OFF
<table>
<thead>
<tr>
<th>PANEL 225</th>
<th>cb Panel 225 - all closed except:</th>
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<tbody>
<tr>
<td>FOOD WARMER</td>
<td>OFF</td>
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<tr>
<td>PANEL 201</td>
<td>SCI/UTIL PWR</td>
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<td>PANEL 163</td>
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<td>OPT COUPLING</td>
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**Basic Date** ________

**Changed** ________

*Note: The handwriting is difficult to read and may require additional context or interpretation.*
BL-10

- cb S BAND FM XMITTER DATA STOWAGE EQUIP GROUP 1 - open
- cb BAND FM XMITTER DATA STOWAGE EQUIP FLT BUS - open
- cb FLT BUS MNA & MNB (BOTH) - open
- cb CTE (BOTH) - open
- cb RNDZ XPNDR FLT BUS - open

PANEL 226

- cb Panel 226 - all open except:
  - cb LIGHTING FLOOD MAN, MNB & FLT/PL - closed
  - cb LIGHTING NUMERICS/INTEGRAL LEB-AC2, LMDC-AC1 & RMCS-AC1 - closed

PANEL 227

- SCI PWR - OFF

PANEL 229

- cb Panel 229 all closed except:
  - cb MAIN REL PYRO (2) - open
  - cb 02 VAC ION PUMPS (2) - open
  - cb TIMERS MNA & MNB (2) - open

PANEL 250

- cb Panel 250 - all open except:
  - cb SEQ A - closed
  - cb SEQ B - closed

PANEL 251

- WASTE MGMT OVBD DRAIN vlv - OFF

PANEL 252

- BAT VENT vlv - CLOSED
  - WASTE STOWAGE VENT vlv - closed

PANEL 275

- cb Panel 275 - all open
BL-11

PANEL 276
cb Panel 276 - all closed

PANEL 278
cb Panel 278 - all open

PANEL 300
LH SUIT FLOW vlv - FULL FLOW

PANEL 301
RH SUIT FLOW vlv - FULL FLOW

PANEL 302
CTR SUIT FLOW vlv - FULL FLOW

PANEL 303
PRIM CAB TEMP vlv - COLD (CW)
SEC CAB TEMP vlv - COOL-MAX (CW)

PANEL 304
DRNK H2O SUPPLY vlv - OFF (CW)

PANEL 305
FOOD PREP COLD H2O vlv - rel
FOOD PREP HOT H2O vlv - rel

PANEL 306
MSN TMR - STOP
EVNT TMR RSET - UP (center)
EVNT TMR STRT - STOP
EVNT TMR MIN - center
EVNT TMR SEC - center
MSN TMR HR - center
MSN TMR MIN - center
MSN TMR SEC - center
BL-12

PANEL 325
CAB PRESS RELF vlv (RH) - NORMAL
CAB PRESS RELF vlv (LH) - NORMAL
PRIM GLY TO RAD vlv - BYPASS (pull)

PANEL 326
REPRESS PKG vlv - OFF
SM O2 SUPPLY vlv - OFF
SURGE TK O2 vlv - OFF
GLY RSVR IN vlv - CLOSED
GLY RSVR BYPASS vlv - OPEN
GLY RSVR OUT vlv - CLOSED

PANEL 350
CO2 CSTR DIVERT vlv - both (center)

PANEL 351
MAIN REG vlv (2) - CLOSED
H2O/GLY TK PRESS REG vlv - OFF
H2O/GLY TK PRESS RELF vlv - OFF
EMER CAB PRESS vlv - OFF
CAB REPRESS vlv - OFF (CCW)

PANEL 352
WASTE TK SERVICING vlv - CLOSE
PRESS RELF vlv - 2
POT TK IN vlv - OPEN
WASTE TK IN vlv - AUTO

PANEL 375
SURGE TK PRESS RELF vlv - open (CW)

PANEL 376
PLVC - NORMAL (up)
BL-13

PANEL 377
GLY TO RAD SEC vlv - BYPASS (CCW)

PANEL 378
PRIM GLY ACCUM vlv - open (CCW)

PANEL 379
PRIM ACCUM FILL vlv - OFF (CW)

PANEL 380
O2 DEMAND REG vlv - OFF
SUIT TEST vlv - OFF
SUIT CKT RET vlv - OPEN (Pull)

PANEL 382
SUIT HT EXCH PRIM GLY vlv - FLOW (CCW)
SUIT FLOW RELF vlv - OFF
PRIM GLY EVAP IN TEMP vlv - MIN (CCW)
SUIT HT EXCH SEC GLY vlv - FLOW (CCW)
SEC EVAP H2O CONT vlv - OFF (CCW)
PRIM EVAP H2O CONT vlv - OFF (CCW)
H2O ACCUM vlv (2) - RMTE (CCW) CREW REPORTED WENT TO OFF

PANEL 600
EMER 02 vlv - close

PANEL 601
REPRESS 02 vlv - close

PANEL 602
REPRESS 02 RELF vlv - OPEN (CW)

FWD HATCH
PRESS EQUAL vlv - CLOSE
ACTR HNDL sel - stow/check locked
SIDE HATCH

CAB PRESS DUMP vlv - close (CW)
GEAR BOX sel - LATCH
ACTR HANDLE sel - UNLATCH
LOCK PIN REL KNOB - LOCK
LOCK PIN ind - flush
GN2 VLV HANDLE - outboard
BPC JETT KNOB - toward BPC JETT

* - last momentary position before liftoff.