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C-A OPERATIONS PROCEDURES MANUAL

4.120.102.d NASA Space Radiation Laboratory (NSRL)
(Peer 27) Sweep Tests

Attachment

| C-A-OPM Procedures in which this Attachment is used. | | |
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| 4.120.102 | | |
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Hand Processed Changes

| <u>HPC No.</u> | <u>Date</u> | <u>Page Nos.</u> | <u>Initials</u> |
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Approved: _____ *Signature on File* _____
 Collider-Accelerator Department Chairman Date

V. Castillo

4.120.102.d NASA Space Radiation Laboratory (NSRL), (PEER 27) Sweep Tests

PASS ANNUAL ACCEPTANCE TEST PROTOCOL

Division A Software Filename and Checksum: Title: _____ Checksum: _____

Division B Software Filename and Checksum: Title: _____ Checksum: _____

Initial testing complete:

Test Team Leader's Name (Print): _____ Life Number: _____

Test Team Leader's Name (Sign): _____ Date: ____/____/____

Acceptance test procedure complete (following repairs and retesting if required):

Test Team Leader's Name (Print): _____ Life Number: _____

Test Team Leader's Name (Sign): _____ Date: ____/____/____

Test results reviewed by:

Safety Section Head's Name (Print): _____ Life Number: _____

Safety Section Head's Name (Sign): _____ Date: ____/____/____

Test results accepted by Radiation Safety Committee:

RSC Member's Name (Print): _____ Life Number: _____

RSC Member's Name (Sign): _____ Date: ____/____/____

- 1.1 **To Sweep Zone NSRL-Z1**
CLOSE Gates BGE1, BGI1
- VERIFY Gates BGE1 , BGI1** **CLOSED**
 - PLACE Peer 27 in Controlled Access (CA), Mode 16**
 - VERIFY Peer 27 is in CA** **MODE 16**
 - ACTIVATE Check station 1CS1**
 - VERIFY Check station 1CS1 indicator (Area Secured)** **BLINKS ONCE**
 - ACTIVATE Check station 1CS2**
 - VERIFY Check station 1CS2 indicator (Area Secured)** **BLINKS ONCE**
 - ACTIVATE Check station 1CS3**
 - VERIFY Check station 1CS3 indicator (Area Secured)** **ON**
 - EXIT Gate BGE1 with Simultaneous Release (SR)**
 - VERIFY MCR sees Zone NSRL-Z1** **SWEPT**
-
- PLACE Peer 27 in CA, Mode 17**
 - VERIFY Peer 27 remains in CA** **MODE 16**
 - VERIFY MCR sees Zone NSRL-Z1** **SWEPT**
-
- PLACE Peer 27 in Controlled Access (CA), Mode 16**
 - VERIFY Peer 27 is in CA** **MODE 16**
-
- PLACE Peer 27 in Restricted Access (RA), Mode 8**
 - VERIFY Peer 27 is in RA** **MODE 8**
 - VERIFY MCR sees Zone NSRL-Z1** **SWEPT**
-
- PLACE Peer 27 in Controlled Access (CA), Mode 16**
 - VERIFY Peer 27 is in CA** **MODE 16**
-
- PLACE Peer 27 in RA, Mode 9**
 - VERIFY Peer 27 remains in RA** **MODE 8**
 - VERIFY MCR sees Zone NSRL-Z1** **SWEPT**
-
- PLACE Peer 27 in Controlled Access (CA), Mode 16**
 - VERIFY Peer 27 is in CA** **MODE 16**
-
- PLACE Peer 27 in Safe Access (SA), Mode 2**
 - VERIFY Peer 27 is in SA** **MODE 2**
 - VERIFY MCR sees Zone NSRL-Z1** **SWEPT**
-
- Check for acceptance of To Sweep Zone NSRL-Z1**

- 1.2 **Test SR entry holds Sweep and Illegal exit drops Sweep of Zone NSRL-Z1**
- PLACE Peer 27 in CA, Mode 16**
 - VERIFY Peer 27 is in CA** **MODE 16**
-
- ENTER BGE1 with #20 Key and SR from MCR**
 - VERIFY Peer 27 is in CA** **MODE 16**
 - VERIFY MCR sees Zone NSRL-Z1** **SWEPT**
-
- OPEN Gate BGE1 without Simultaneous Release and Exit**
 - VERIFY MCR sees Zone NSRL-Z1** **NOT SWEPT**
 - VERIFY Peer 27 is in CA** **MODE 16**
 - CLOSE Gate BGE1**
- Check for acceptance of Test SR entry holds Sweep and Illegal exit drops Sweep of Zone NSRL-Z1**

- 1.3 Test Attempt to Sweep Zone NSRL-Z1 with Gate open fail**
- CLOSE** Gates **BGE1, BGI1**
 - VERIFY** Gates **BGE1** , **BGI1** **CLOSED**
 - PLACE** **Peer 27 in CA, Mode 16**
 - VERIFY** **Peer 27 is in CA** **MODE 16**
 - OPEN** Gate **BGE1** and **Hold open**
 - ACTIVATE** Check station **1CS1**
 - VERIFY** Check station **1CS1** does **NOT BLINK**
 - CLOSE** Gate **BGE1**
 - ACTIVATE** Check station **1CS1**
 - VERIFY** Check station **1CS1** indicator (**Area Secured**) **BLINKS ONCE**
 - Check for acceptance of Test Attempt to Sweep Zone NSRL-Z1 with Gate open fail**
- 1.4 To Sweep Zone NSRL-Z2**
- CLOSE** Gates **BGE2, BGI1, BGI2**
 - VERIFY** Gates **BGE2** , **BGI1** , **BGI2** **CLOSED**
 - PLACE** **Peer 27 in Controlled Access (CA), Mode 16**
 - VERIFY** **Peer 27 is in CA** **MODE 16**
 - ACTIVATE** Check station **2CS1**
 - VERIFY** Check station **2CS1** indicator (**Area Secured**) **BLINKS ONCE**
 - ACTIVATE** Check station **2CS2**
 - VERIFY** Check station **2CS2** indicator (**Area Secured**) **BLINKS ONCE**
 - ACTIVATE** Check station **2CS3**
 - VERIFY** Check station **2CS3** indicator (**Area Secured**) **ON**
 - EXIT** Gate **BGE2** with **Simultaneous Release (SR)**
 - VERIFY** **MCR sees Zone NSRL-Z2** **SWEPT**
 - PLACE** **Peer 27 in XA, Mode 17**
 - VERIFY** **Peer 27 remains in CA CA NA** **MODE 17**
 - VERIFY** **MCR sees Zone NSRL-Z2** **SWEPT**
 - PLACE** **Peer 27 in Controlled Access (CA), Mode 16**
 - VERIFY** **Peer 27 is in CA** **MODE 16**
 - PLACE** **Peer 27 in Restricted Access (RA), Mode 8**
 - VERIFY** **Peer 27 is in RA** **MODE 8**
 - VERIFY** **MCR sees Zone NSRL-Z2** **SWEPT**
 - PLACE** **Peer 27 in Controlled Access (CA), Mode 16**
 - VERIFY** **Peer 27 is in CA** **MODE 16**
 - PLACE** **Peer 27 in XA, Mode 9**
 - VERIFY** **Peer 27 remains in RA RA NA** **MODE 9**
 - VERIFY** **MCR sees Zone NSRL-Z2** **SWEPT**
 - PLACE** **Peer 27 in Controlled Access (CA), Mode 16**
 - VERIFY** **Peer 27 is in CA** **MODE 16**
 - PLACE** **Peer 27 in Safe Access (SA), Mode 2**
 - VERIFY** **Peer 27 is in SA** **MODE 2**
 - VERIFY** **MCR sees Zone NSRL-Z2** **SWEPT**
 - Check for acceptance of To Sweep Zone NSRL-Z2**

1.5 Test SR entry holds Sweep and Illegal exit drops Sweep of Zone NSRL-Z2

- PLACE** Peer 27 in CA, Mode 16
- VERIFY** Peer 27 is in CA **MODE 16**

- ENTER** BGE2 with #22 Key and SR from MCR
- VERIFY** Peer 27 is in CA **MODE 16**
- VERIFY** MCR sees Zone NSRL-Z2 **SWEPT**

- OPEN** Gate BGE2 without Simultaneous Release and Exit
- VERIFY** MCR sees Zone NSRL-Z2 **NOT SWEPT**
- VERIFY** Peer 27 is in CA **MODE 16**
- CLOSE** Gate BGE2

- Check for acceptance of Test SR entry holds Sweep and Illegal exit drops Sweep of Zone NSRL-Z2**

1.6 Test Attempt to Sweep Zone NSRL-Z2 with Gate open fail

- CLOSE** Gates BGE2, BGI1, BGI2
- VERIFY** Gates BGE2 , BGI1 , BGI2 **CLOSED**

- PLACE** Peer 27 in CA, Mode 16
- VERIFY** Peer 27 is in CA **MODE 16**

- OPEN** Gate BGE2 and Hold open
- BREAK** Z3 Keytree

- ACTIVATE** Check station 2CS1
- VERIFY** Check station 2CS1 does **NOT BLINK**

- CLOSE** Gate BGE2
- ACTIVATE** Check station 2CS1
- VERIFY** Check station 2CS1 indicator (Area Secured) **BLINKS ONCE**

- Check for acceptance of Test Attempt to Sweep Zone NSRL-Z2 with Gate open fail**

1.7 To Sweep Zone NSRL-Z3

- CLOSE** Gate BGI2
- VERIFY** Gate BGI2 **CLOSED**
- PLACE** Peer 27 in Controlled Access (CA), Mode 16
- VERIFY** Peer 27 is in CA **MODE 16**
- ACTIVATE** Check station 3CS1
- VERIFY** Check station 3CS1 indicator (Area Secured) **BLINKS ONCE**
- ACTIVATE** Check station 3CS2
- VERIFY** Check station 3CS2 indicator (Area Secured) **ON**
- EXIT** Gate BGI2 with Simultaneous Release (SR)
- VERIFY** MCR sees Zone NSRL-Z3 **SWEPT**

- PLACE** Peer 27 in CA, Mode 17
- VERIFY** Peer 27 is in CA **MODE 17**

- | | | | |
|--------------------------|---|---|--------------------|
| <input type="checkbox"/> | VERIFY | MCR sees Zone NSRL-Z3 | SWEPT |
| | PLACE | Peer 27 in Controlled Access (CA), Mode 16 | |
| <input type="checkbox"/> | VERIFY | Peer 27 is in CA | MODE 16 |
| | PLACE | Peer 27 in Restricted Access (RA), Mode 8 | |
| <input type="checkbox"/> | VERIFY | Peer 27 is in RA | MODE 8 |
| <input type="checkbox"/> | VERIFY | MCR sees Zone NSRL-Z3 | SWEPT |
| | PLACE | Peer 27 in Controlled Access (CA), Mode 16 | |
| <input type="checkbox"/> | VERIFY | Peer 27 is in CA | MODE 16 |
| | PLACE | Peer 27 in RA, Mode 9 | |
| <input type="checkbox"/> | VERIFY | Peer 27 is in RA | MODE 9 |
| <input type="checkbox"/> | VERIFY | MCR sees Zone NSRL-Z3 | SWEPT |
| | PLACE | Peer 27 in Controlled Access (CA), Mode 16 | |
| <input type="checkbox"/> | VERIFY | Peer 27 is in CA | MODE 16 |
| | PLACE | Peer 27 in Safe Access (SA), Mode 2 | |
| <input type="checkbox"/> | VERIFY | Peer 27 is in SA | MODE 2 |
| <input type="checkbox"/> | VERIFY | MCR sees Zone NSRL-Z3 | SWEPT |
| <input type="checkbox"/> | Check for acceptance of To Sweep Zone NSRL-Z3 | | |
| | | | |
| 1.8 | Test SR entry of BGI2 holds Sweep and Illegal exit drops Sweep of Zone NSRL-Z3 | | |
| | PLACE | Peer 27 in CA, Mode 16 | |
| <input type="checkbox"/> | VERIFY | Peer 27 is in CA | MODE 16 |
| | ENTER | BGI2 with #24 Key and SR from MCR | |
| <input type="checkbox"/> | VERIFY | Peer 27 is in CA | MODE 16 |
| <input type="checkbox"/> | VERIFY | MCR sees Zone NSRL-Z3 | SWEPT |
| | OPEN | Gate BGI2 without Simultaneous Release and Exit | |
| <input type="checkbox"/> | VERIFY | MCR sees Zone NSRL-Z3 | NOT SWEPT |
| <input type="checkbox"/> | VERIFY | Peer 27 is in CA | MODE 16 |
| | CLOSE | Gate BGI2 | |
| <input type="checkbox"/> | Check for acceptance of Test SR entry holds Sweep and Illegal exit drops Sweep of Zone NSRL-Z3 | | |
| | | | |
| 1.9 | Test Attempt to Sweep Zone NSRL-Z3 with Gate open fail | | |
| | CLOSE | Gates BGE1, BGI1 | |
| <input type="checkbox"/> | VERIFY | Gates BGE1 <input type="checkbox"/> , BGI1 <input type="checkbox"/> | CLOSED |
| | PLACE | Peer 27 in CA, Mode 16 | |
| <input type="checkbox"/> | VERIFY | Peer 27 is in CA | MODE 16 |
| | OPEN | Gate BGI2 and Hold open | |
| | ACTIVATE | Check station 3CS1 | |
| <input type="checkbox"/> | VERIFY | Check station 3CS1 does | NOT BLINK |
| | CLOSE | Gate BGI2 | |
| | ACTIVATE | Check station 3CS1 | |
| <input type="checkbox"/> | VERIFY | Check station 3CS1 indicator (Area Secured) | BLINKS ONCE |
| <input type="checkbox"/> | Check for acceptance of Test Attempt to Sweep Zone NSRL-Z3 with Gate open fail | | |

- 1.10 Mode 17, Mode 9, and Zone NSRL-Z3**
STATION One ACS personnel in Zone NSRL-Z3
- PLACE Peer 27 in CA, Mode 16**
 - VERIFY Peer 27 is in CA** **MODE 16**

 - FORCE Sweep of Zone NSRL-Z3**
 - VERIFY MCR sees Zone NSRL-Z3** **SWEPT**

 - PLACE Peer 27 in CA, Mode 17**
 - VERIFY Peer 27 is in CA** **MODE 17**

 - OPEN Gate BGI2**
 - VERIFY MCR sees Zone NSRL-Z3** **NOT SWEPT**
 - VERIFY Peer 27 goes to Safe Access** **MODE 2**
 - CLOSE Gate BGI2**

 - PLACE Peer 27 in CA, Mode 16**
 - VERIFY Peer 27 is in CA** **MODE 16**
 - FORCE Sweep of Zone NSRL-Z3**
 - VERIFY MCR sees Zone NSRL-Z3** **SWEPT**
 - RESET Gate BGI2**
 - VERIFY Gate BGI2** **RESET**
 - PLACE Peer 27 in XA, Mode 9**
 - VERIFY Peer 27 is in RA RA NA** **MODE 9**

 - OPEN Gate BGI2**
 - VERIFY MCR sees Zone NSRL-Z3** **NOT SWEPT**
 - VERIFY Peer 27 goes to Safe Access** **MODE 2**
 - CLOSE Gate BGI2**

 - PLACE Peer 27 in CA, Mode 16**
 - VERIFY Peer 27 is in CA** **MODE 16**

 - FORCE Sweep of Zone NSRL-Z3**
 - VERIFY MCR sees Zone NSRL-Z3** **SWEPT**
 - RESET Gate BGI2**
 - VERIFY Gate BGI2** **RESET**

 - PLACE Peer 27 in CA, Mode 17**
 - VERIFY Peer 27 is in CA** **MODE 17**

 - OPEN Gate BGE2**
 - VERIFY MCR sees Zone NSRL-Z3** **SWEPT**
 - VERIFY Peer 27 remains in CA** **MODE 17**
 - CLOSE Gate BGE2**

 - PLACE Peer 27 in CA, Mode 16**
 - VERIFY Peer 27 is in CA** **MODE 16**
 - Check for acceptance of Test: Mode 17, Mode 9, Zone NSRL-Z3**

1.11 To Sweep Zone NSRL-Z1 in Mode 18

- | | | | |
|--------------------------|-----------------|--|--------------------|
| <input type="checkbox"/> | VERIFY | Peer 27 is in CA | MODE 16 |
| <input type="checkbox"/> | VERIFY | Gates BGE1 <input type="checkbox"/> , BGI1 <input type="checkbox"/> , BGI2 <input type="checkbox"/> and BGE2 <input type="checkbox"/> | CLOSED |
| | FORCE | Sweep zones Z2 and Z3 | |
| <input type="checkbox"/> | VERIFY | Zones Z2 <input type="checkbox"/> and Z3 <input type="checkbox"/> | SWEPT |
| <input type="checkbox"/> | VERIFY | Zone Z1 | NOT SWEPT |
| | RESET | Gates BGI1, BGI2 and BGE2 | |
| <input type="checkbox"/> | VERIFY | Gates BGI1 <input type="checkbox"/> , BGI2 <input type="checkbox"/> and BGE2 <input type="checkbox"/> | RESET |
| | PLACE | Peer 27 in Controlled Access (XA), Mode 18 | |
| <input type="checkbox"/> | VERIFY | Peer 27 is in CA NA NA | MODE 18 |
| | ACTIVATE | Check station 1CS1 | |
| <input type="checkbox"/> | VERIFY | Check station 1CS1 indicator (Area Secured) | BLINKS ONCE |
| | ACTIVATE | Check station 1CS2 | |
| <input type="checkbox"/> | VERIFY | Check station 1CS2 indicator (Area Secured) | BLINKS ONCE |
| | ACTIVATE | Check station 1CS3 | |
| <input type="checkbox"/> | VERIFY | Check station 1CS3 indicator (Area Secured) | ON |
| | EXIT | Gate BGE1 with Simultaneous Release (SR) | |
| <input type="checkbox"/> | VERIFY | MCR sees Zone NSRL-Z1 | SWEPT |
| | VERIFY | Peer 27 remains in XA | MODE 18 |
| <input type="checkbox"/> | VERIFY | MCR sees Zone NSRL-Z1 | SWEPT |
- Check for acceptance of To Sweep Zone NSRL-Z1 in Mode 18**

1.12 Test SR entry holds Sweep and Illegal exit drops Sweep of Zone NSRL-Z1 in Mode 18

- | | | | |
|--------------------------|---------------|--|------------------|
| <input type="checkbox"/> | VERIFY | Peer 27 is in XA | MODE 18 |
| <input type="checkbox"/> | VERIFY | MCR sees Zone NSRL-Z1 | |
| | ENTER | BGE1 with #20 Key and SR from MCR | |
| <input type="checkbox"/> | VERIFY | Peer 27 is in CA | MODE 18 |
| <input type="checkbox"/> | VERIFY | MCR sees Zone NSRL-Z1 | SWEPT |
| | OPEN | Gate BGE1 without Simultaneous Release and Exit | |
| <input type="checkbox"/> | VERIFY | MCR sees Zone NSRL-Z1 | NOT SWEPT |
| <input type="checkbox"/> | VERIFY | Peer 27 remains in XA | MODE 18 |
| | CLOSE | Gate BGE1 | |
- Check for acceptance of Test SR entry holds Sweep and Illegal exit drops Sweep of Zone NSRL-Z1 in Mode 18**

1.13 To Sweep Zone NSRL-Z1 in Mode 18 using Local keystation

- | | | | |
|--------------------------|--|--|--------------------|
| <input type="checkbox"/> | VERIFY | Peer 27 is in CA | MODE 16 |
| <input type="checkbox"/> | VERIFY | Gates BGE1 <input type="checkbox"/> , BGI1 <input type="checkbox"/> , BGI2 <input type="checkbox"/> and BGE2 <input type="checkbox"/> | CLOSED |
| | FORCE | Sweep zones Z2 and Z3 | |
| <input type="checkbox"/> | VERIFY | Zones Z2 <input type="checkbox"/> and Z3 <input type="checkbox"/> | SWEPT |
| <input type="checkbox"/> | VERIFY | Zone Z1 | NOT SWEPT |
| | RESET | Gates BGI1, BGI2 and BGE2 | |
| <input type="checkbox"/> | VERIFY | Gates BGI1 <input type="checkbox"/> , BGI2 <input type="checkbox"/> and BGE2 <input type="checkbox"/> | RESET |
| | PLACE | Peer 27 in Controlled Access (XA), Mode 18 | |
| <input type="checkbox"/> | VERIFY | Peer 27 is in CA NA NA | MODE 18 |
| | SCAN | <u>Valid Personnel with Iris Scanner at gate BGE1</u> | |
| <input type="checkbox"/> | VERIFY | CA Key in Local keytree at gate BGE1 is | RELEASED |
| | SCAN | <u>Valid Personnel with Iris Scanner at gate BGE1</u> | |
| <input type="checkbox"/> | VERIFY | Sweep Key in Local keystation at gate BGE1 is | RELEASED |
| | ENTER SWEEP | BGE1 with CA key from local keytree and SR Z1 with Sweep key from local keystation | |
| | ACTIVATE | Check station 1CS1 | |
| <input type="checkbox"/> | VERIFY | Check station 1CS1 indicator (Area Secured) | BLINKS ONCE |
| | ACTIVATE | Check station 1CS2 | |
| <input type="checkbox"/> | VERIFY | Check station 1CS2 indicator (Area Secured) | BLINKS ONCE |
| | ACTIVATE | Check station 1CS3 | |
| <input type="checkbox"/> | VERIFY | Check station 1CS3 indicator (Area Secured) | ON |
| | EXIT | Gate BGE1 with Simultaneous Release (SR) | |
| <input type="checkbox"/> | VERIFY | MCR sees Zone NSRL-Z1 | SWEPT |
| | VERIFY | Peer 27 remains in XA | MODE 18 |
| <input type="checkbox"/> | VERIFY | MCR sees Zone NSRL-Z1 | SWEPT |
| | REPLACE | CA key in local keytree at gate BGE1 | |
| <input type="checkbox"/> | VERIFY | <u>CA key in local keytree at gate BGE1 is</u> | REPLACED |
| | REPLACE | Sweep key in local keystation at gate BGE1 | |
| <input type="checkbox"/> | VERIFY | <u>Sweep key in local keystation at gate BGE1 is</u> | REPLACED |
| <input type="checkbox"/> | Check for acceptance of To Sweep Zone NSRL-Z1 in Mode 18 using local keystation | | |

1.14 To Sweep Zone NSRL-Z2 in Mode 17

- | | | | |
|--------------------------|---------------|--|------------------|
| <input type="checkbox"/> | PLACE | Peer 27 in CA, Mode 16 | |
| <input type="checkbox"/> | VERIFY | Peer 27 is in CA | MODE 16 |
| <input type="checkbox"/> | VERIFY | Gates BGE1 <input type="checkbox"/> , BGI1 <input type="checkbox"/> , BGI2 <input type="checkbox"/> and BGE2 <input type="checkbox"/> | CLOSED |
| | FORCE | Sweep zone Z3 | |
| <input type="checkbox"/> | VERIFY | Zone Z3 is | SWEPT |
| <input type="checkbox"/> | VERIFY | Zone Z1 <input type="checkbox"/> and Z2 <input type="checkbox"/> are | NOT SWEPT |

- | | | | |
|--------------------------|-----------------|---|--------------------|
| <input type="checkbox"/> | RESET | Gate BGI2 | |
| <input type="checkbox"/> | VERIFY | Gate BGI2 is | RESET |
| <input type="checkbox"/> | PLACE | Peer 27 in Controlled Access (XA), Mode 17 | |
| <input type="checkbox"/> | VERIFY | Peer 27 is in CA CA NA | MODE 17 |
| | ENTER | Gate BGE2 with CA #22 key and SR | |
| <input type="checkbox"/> | ACTIVATE | Check station 2CS1 | |
| <input type="checkbox"/> | VERIFY | Check station 2CS1 indicator (Area Secured) | BLINKS ONCE |
| <input type="checkbox"/> | ACTIVATE | Check station 2CS2 | |
| <input type="checkbox"/> | VERIFY | Check station 2CS2 indicator (Area Secured) | BLINKS ONCE |
| <input type="checkbox"/> | ACTIVATE | Check station 2CS3 | |
| <input type="checkbox"/> | VERIFY | Check station 2CS3 indicator (Area Secured) | ON |
| <input type="checkbox"/> | EXIT | Gate BGE2 with Simultaneous Release (SR) | |
| <input type="checkbox"/> | VERIFY | MCR sees Zone NSRL-Z2 | SWEPT |
| <input type="checkbox"/> | VERIFY | Peer 27 remains in XA | MODE 17 |
| <input type="checkbox"/> | VERIFY | MCR sees Zone NSRL-Z2 | SWEPT |
- Check for acceptance of To Sweep Zone NSRL-Z2 in Mode 17**

1.15 Test SR entry holds Sweep and Illegal exit drops Sweep of Zone NSRL-Z2 in Mode 17

- | | | | |
|--------------------------|---------------|--|------------------|
| <input type="checkbox"/> | VERIFY | Peer 27 is in XA | MODE 17 |
| <input type="checkbox"/> | VERIFY | MCR sees Zone NSRL-Z1 | |
| | ENTER | BGE2 with #22 Key and SR from MCR | |
| <input type="checkbox"/> | VERIFY | Peer 27 is in CA | MODE 17 |
| <input type="checkbox"/> | VERIFY | MCR sees Zone NSRL-Z2 | SWEPT |
| | OPEN | Gate BGE2 without Simultaneous Release and Exit | |
| <input type="checkbox"/> | VERIFY | MCR sees Zone NSRL-Z2 | NOT SWEPT |
| <input type="checkbox"/> | VERIFY | Peer 27 remains in XA | MODE 17 |
| | CLOSE | Gate BGE2 | |
- Check for acceptance of Test SR entry holds Sweep and Illegal exit drops Sweep of Zone NSRL-Z2 in Mode 17**

1.16 To Sweep Zone NSRL-Z1 in Mode 17

- | | | | |
|--------------------------|---------------|---|------------------|
| <input type="checkbox"/> | PLACE | Peer 27 in CA, Mode 16 | |
| <input type="checkbox"/> | VERIFY | Peer 27 is in CA | MODE 16 |
| <input type="checkbox"/> | VERIFY | Gates BGE1 <input type="checkbox"/> , BGI1 <input type="checkbox"/> , BGI2 <input type="checkbox"/> and BGE2 <input type="checkbox"/> | CLOSED |
| | FORCE | Sweep zone Z3 | |
| <input type="checkbox"/> | VERIFY | Zone Z3 is | SWEPT |
| <input type="checkbox"/> | VERIFY | Zone Z1 <input type="checkbox"/> and Z2 <input type="checkbox"/> are | NOT SWEPT |
| | RESET | Gate BGI2 | |

- VERIFY** Gate **BGI2** is **RESET**
- PLACE** **Peer 27 in Controlled Access (XA), Mode 17**
- VERIFY** **Peer 27 is in CA CA NA** **MODE 17**
- ENTER** Gate **BGE1** with **CA #20** key and **SR**
- ACTIVATE** Check station **1CS1**
- VERIFY** Check station **1CS1** indicator (**Area Secured**) **BLINKS ONCE**
- ACTIVATE** Check station **1CS2**
- VERIFY** Check station **1CS2** indicator (**Area Secured**) **BLINKS ONCE**
- ACTIVATE** Check station **1CS3**
- VERIFY** Check station **1CS3** indicator (**Area Secured**) **ON**
- EXIT** Gate **BGE1** with **Simultaneous Release (SR)**
- VERIFY** MCR sees Zone **NSRL-Z1** **SWEPT**
- VERIFY** Peer 27 **remains** in **XA** **MODE 17**
- VERIFY** MCR sees Zone **NSRL-Z1** **SWEPT**
- Check for acceptance of To Sweep Zone NSRL-Z1 in Mode 17**

1.17 Test SR entry holds Sweep and Illegal exit drops Sweep of Zone NSRL-Z1 in Mode 17

- VERIFY** **Peer 27 is in XA** **MODE 17**
- VERIFY** MCR sees Zone **NSRL-Z1**
- ENTER** **BGE1** with **#20 Key** and **SR** from MCR
- VERIFY** **Peer 27 is in CA** **MODE 17**
- VERIFY** MCR sees Zone **NSRL-Z1** **SWEPT**
- OPEN** Gate **BGE1** **without** Simultaneous Release and **Exit**
- VERIFY** MCR sees Zone **NSRL-Z1** **NOT SWEPT**
- VERIFY** **Peer 27 remains** in **XA** **MODE 17**
- CLOSE** Gate **BGE1**
- Check for acceptance of Test SR entry holds Sweep and Illegal exit drops Sweep of Zone NSRL-Z1 in Mode 17**

END OF TEST PROCEDURE

TTL: Sign for completion of initial testing: _____

Date: ____/____/____

TTL: Sign for completion of final testing: _____

Date: ____/____/____