

*If you are using a printed copy of this procedure, and not the on-screen version, then you **MUST** make sure the dates at the bottom of the printed copy and the on-screen version match. The on-screen version of the Collider-Accelerator Department Procedure is the Official Version. Hard copies of all signed, official, C-A Operating Procedures are available by contacting the **ESSHQ Procedures Coordinator, Bldg. 911A***

C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.120.54.d U-Down & V-Primary (PEER 25) Sweep Tests

C-A-OPM Procedures in which this Attachment is used.		
4.120.54		

Hand Processed Changes

<u>HPC No.</u>	<u>Date</u>	<u>Page Nos.</u>	<u>Initials</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Approved: _____ *Signature on File* _____
 Collider-Accelerator Department Chairman Date

V. Castillo

4.120.54.d U-Down & V-Primary (PEER 25) Sweep Tests

PASS SEMI-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 Test of Sweep of U-Down

- | | | | |
|--------------------------|--|---|--------------------|
| <input type="checkbox"/> | PLACE | Peer 25 in Mode 16 | |
| <input type="checkbox"/> | VERIFY | Peer 25 is in Controlled Access | MODE 16 |
| | ACTIVATE | Check station U-DnCS1 | |
| <input type="checkbox"/> | VERIFY | Check station U-DnCS1 indicator (Area Secured) | BLINKS ONCE |
| | ACTIVATE | Check station U-DnCS2 | |
| <input type="checkbox"/> | VERIFY | Check station U-DnCS2 indicator (Area Secured) | BLINKS ONCE |
| | RESET | Gate UED1 | |
| <input type="checkbox"/> | VERIFY | Gate UED1 is | RESET |
| | ACTIVATE | Check station U-DnCS3 | |
| <input type="checkbox"/> | VERIFY | Check station U-DnCS3 indicator (Area Secured) | BLINKS ONCE |
| <input type="checkbox"/> | VERIFY | Gate UGI1 is | CLOSED |
| | ACTIVATE | Check station U-DnCS4 | |
| <input type="checkbox"/> | VERIFY | Check station U-DnCS4 indicator (Area Secured) | BLINKS ONCE |
| | ACTIVATE | Check station U-DnCS5 | |
| <input type="checkbox"/> | VERIFY | Check station U-DnCS5 indicator (Area Secured) remains | ON |
| | RESET | Gates UGE2 and UGE3 from MCR | |
| <input type="checkbox"/> | VERIFY | Gates UGE2 <input type="checkbox"/> and UGE3 <input type="checkbox"/> are | RESET |
| | EXIT | Gate UGE2 or UGE3 with Sim. Rel. , leaving one personnel inside | |
| <input type="checkbox"/> | VERIFY | MCR sees Zone U-Down | SWEEP GOOD |
|
 | | | |
| <input type="checkbox"/> | Check for acceptance of Test of Sweep of U-Down | | |

1.2 Test of Illegal Exit from U-Down Drops the Sweep

- | | | | |
|--------------------------|---|---|-----------------|
| <input type="checkbox"/> | EXIT | UGE2 or UGE3 without Sim. Rel. | |
| <input type="checkbox"/> | VERIFY | MCR sees U-Down sweep is | NO SWEEP |
|
 | | | |
| <input type="checkbox"/> | Check for acceptance of Test of Illegal Exit from U-Down Drops the Sweep | | |

1.3 Test of Sweep of V-Primary [Omit This Test Until Further Notice]

- | | | | |
|--------------------------|--|---|--------------------|
| <input type="checkbox"/> | PLACE | Peer 25 in Mode 16 | |
| <input type="checkbox"/> | VERIFY | Peer 25 is in Controlled Access | MODE 16 |
| | ACTIVATE | Check station V-PrCS1 | |
| <input type="checkbox"/> | VERIFY | Check station V-PrCS1 indicator (Area Secured) | BLINKS ONCE |
| | ACTIVATE | Check station V-PrCS2 | |
| <input type="checkbox"/> | VERIFY | Check station V-PrCS2 indicator (Area Secured) | BLINKS ONCE |
| | ACTIVATE | Check station V-PrCS3 | |
| <input type="checkbox"/> | VERIFY | Check station V-PrCS3 indicator (Area Secured) | ON |
| | RESET | Gate VPGE1 from MCR | |
| <input type="checkbox"/> | VERIFY | Gate VPGE1 is | RESET |
| | EXIT | Gate VPGE1 with Sim. Rel. , leaving one personnel inside | |
| <input type="checkbox"/> | VERIFY | MCR sees Zone V-Primary | SWEEP GOOD |
|
 | | | |
| <input type="checkbox"/> | Check for acceptance of Test of Sweep of V-Primary [Omitted Until Further Notice] | | |

1.4 Test of Illegal Exit from V-Primary Drops the Sweep [Omit This Test Until Further Notice]

- EXIT** **VPGE1 without Sim. Rel.**
- VERIFY** **MCR sees V-Primary sweep is** **NO SWEEP**

- Check for acceptance of Test of Illegal Exit from V-Primary Drops the Sweep [Omitted Until Further Notice]**

1.5 Test of Sweep of V-Primary From Peer 25 Cabinets in Bldg 921

- PLACE** **PEER 25 in Controlled Access (MODE 16)**
- VERIFY** **PEER 25 is in Controlled Access** **MODE 16**

- OPEN** **Peer 25 Div A cab in bldg 921**
- PRESS** CS-1 button for V-Pri on remote V-Pri box
- PRESS** CS-2 button for V-Pri on remote V-Pri box
- PRESS** CS-3 button for V-Pri on remote V-Pri box
- VERIFY** **MCR indicates V-Pri Div A on Mtce page** **SWEEP GOOD**

- SECURE** Peer 25 Div A cabinet
- VERIFY** Peer 25 Div A cabinet **SECURED**

- OPEN** **Peer 25 Div B cab in bldg 921**
- PRESS** CS-1 button for V-Pri on remote V-Pri box
- PRESS** CS-2 button for V-Pri on remote V-Pri box
- PRESS** CS-3 button for V-Pri on remote V-Pri box
- VERIFY** **MCR indicates V-Pri Div B on Mtce page** **SWEEP GOOD**

- SECURE** Peer 25 Div B cabinet
- VERIFY** Peer 25 Div B cabinet **SECURED**

- VERIFY** **MCR sees V-Pri Divs: A and on Mtce page** **SWEEP GOOD**
- VERIFY** **MCR sees V-Pri on Accel Access page** **SWEEP GOOD**

- Check for acceptance of Sweep of V-Primary from Peer 25 Cabinets in Bldg 921**

END OF TEST PROCEDURE

TTL: Sign for completion of initial testing: _____

Date: ____/____/____

TTL: Sign for completion of final testing: _____

Date: ____/____/____