

*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 kept on file in the C-A ESHQ Training Office, Bldg. 911A.*

C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.120.62.d Booster Sweep Tests

C-A-OPM Procedures in which this Attachment is used.		
4.120.62		

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

4.120.62.d Booster 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 Test to sweep the Booster

	PLACE	Booster on Controlled Access (CA)	
<input type="checkbox"/>	VERIFY	At encl 4521 Relay CK2 is	ON
	CLOSE	Bstr Plug Door	
<input type="checkbox"/>	VERIFY	At encl 4521 Relay DK5 is	ON
	CLOSE	Booster Escape Hatch	
<input type="checkbox"/>	VERIFY	At encl 4521 Relay DK2 is	ON
<input type="checkbox"/>	VERIFY	At encl 4521 Crash Relay AK14 is	ON
	CLOSE	Booster Sweep (Swing) gate at start of sweep	
<input type="checkbox"/>	VERIFY	At encl 4521 Relay DK6 is	ON
<input type="checkbox"/>	VERIFY	Ready light at Check Station (CS) 1 is	ON
	ACTIVATE	Check station CS1	
<input type="checkbox"/>	VERIFY	At encl 4521 Relay AK1 is	ON
<input type="checkbox"/>	VERIFY	Ready light at CS2 is	ON
	ACTIVATE	Check station CS2	
<input type="checkbox"/>	VERIFY	At encl 4521 Relay AK2 is	ON
	RESET	Bstr Escape Hatch with 705 key	
<input type="checkbox"/>	VERIFY	At encl 4521 Relay DK1 <input type="checkbox"/> and DK10 <input type="checkbox"/> are	ON
<input type="checkbox"/>	VERIFY	Ready light at CS3 is	ON
	ACTIVATE	Check station CS3	
<input type="checkbox"/>	VERIFY	At encl 4521 Relay AK3 is	ON
<input type="checkbox"/>	VERIFY	Ready light at CS4 is	ON
	ACTIVATE	Check station CS4	
<input type="checkbox"/>	VERIFY	At encl 4521 Relay AK4 is	ON
<input type="checkbox"/>	VERIFY	Ready light at CS5 is	ON
	ACTIVATE	Check station CS5	
<input type="checkbox"/>	VERIFY	At encl 4521 Relay AK5 is	ON
<input type="checkbox"/>	VERIFY	Ready light at CS6 is	ON
	ACTIVATE	Check station CS6	
<input type="checkbox"/>	VERIFY	At encl 4521 Relay AK6 is	ON
<input type="checkbox"/>	VERIFY	Ready light at CS7 is	ON
	ACTIVATE	Check station CS7	
<input type="checkbox"/>	VERIFY	At encl 4521 Relay AK7 is	ON
	RESET	Laby gate A with 705 key	
<input type="checkbox"/>	VERIFY	At encl 4521 Relay BK10 <input type="checkbox"/> is	ON
	RESET	Laby gate B with 705 key	
<input type="checkbox"/>	VERIFY	At encl 4521 Relay BK11 <input type="checkbox"/> is	ON
<input type="checkbox"/>	VERIFY	Ready light at CS8 is	ON
	ACTIVATE	Check station CS8	
<input type="checkbox"/>	VERIFY	At encl 4521 Relay AK8 is	ON
<input type="checkbox"/>	VERIFY	Ready light at CS9 is	ON
	ACTIVATE	Check station CS9	
<input type="checkbox"/>	VERIFY	At encl 4521 Relay AK9 is	ON

- VERIFY** **Ready light at CS10 is** **ON**
- ACTIVATE** Check station **CS10**
- VERIFY** At encl 4521 Relay **AK10** is **ON**

- VERIFY** **Ready light at CS11 is** **ON**
- ACTIVATE** Check station **CS11**
- VERIFY** At encl 4521 Relay **AK11** is **ON**

- VERIFY** At encl 4521 Relays: **CK2** , **DK5** , **DK2** , **AK14** are **ON**

- VERIFY** **Ready light at CS12 is** **ON**
- ACTIVATE** Check station **CS12**
- VERIFY** At encl 4521 Relay **AK12** is **ON**

- VERIFY** At encl 4521 Relay **AK13** is **ON**

- VERIFY** At encl 4521 Relays: **AK1** , **AK2** , **AK3** , **AK4** , **AK5** ,
AK6 , **AK7** , **AK8** , **AK9** , **AK10** , **AK11** , **AK12** are **OFF**

- Check for acceptance of test to Sweep the Booster**

1.2 Test to drop Booster Sweep

- VERIFY** Crash is **OK**
- VERIFY** At encl 4521 Relay **AK14** is **ON**
- VERIFY** At encl 4521 Relay **AK13 (Sweep ok)** is **ON**
- Hit** **Any crash button**
- VERIFY** At encl 4521 Relay **AK14** is **OFF**
- VERIFY** At encl 4521 Relay **AK13** is **OFF**

- Check for acceptance of test to drop Booster Sweep**

END OF TEST PROCEDURE

TTL: Sign for completion of initial testing: _____

Date: ____/____/____

TTL: Sign for completion of final testing: _____

Date: ____/____/____