

*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

4.120.8.f 8 O’Clock (PEER 17) Chipmunk Tests

C-A-OPM Procedures in which this Attachment is used.		
4.120.8		

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

4.120.8.f 8 O’Clock (PEER 17) Chipmunk 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	Chipmunk C312 located at 1008 – 8GE2 – Coll. in MODE 2	
	PLACE	Peer 17 in Mode 2	
<input type="checkbox"/>	VERIFY	Peer 17 is in Safe Access	MODE 2
<input type="checkbox"/>	VERIFY	Chipmunk calibration date [____/____/____] is	VALID
<input type="checkbox"/>	VERIFY	Chipmunk is in good physical condition and is	CHIRPING
<input type="checkbox"/>	VERIFY	MCR sees Chipmunk as	O.K.
	DETACH	Cable from Chipmunk	
<input type="checkbox"/>	VERIFY	MCR sees Chipmunk as	TRIP & FAILSAFE
	RESET	Trip & Failsafe at MCR	
<input type="checkbox"/>	VERIFY	Attempt to reset Trip & Failsafe at MCR	FAIL
	CONNECT	Chipmunk Test box to the Chipmunk cable	
<input type="checkbox"/>	VERIFY	MCR sees Chipmunk 312 as	O.K.
	PRESS	A & B Div Trip buttons sequentially on the test box	
<input type="checkbox"/>	VERIFY	MCR sees the Chipmunk 312 Div A <input type="checkbox"/> followed by Div B <input type="checkbox"/> as	RAD
	RESET	Interlock at MCR	
<input type="checkbox"/>	VERIFY	MCR sees C312 Div A <input type="checkbox"/> and Div B <input type="checkbox"/> as	OK
	PRESS	A & B Div FAIL buttons sequentially on the test box	
<input type="checkbox"/>	VERIFY	MCR sees the Chipmunk 312 Div A <input type="checkbox"/> followed by Div B <input type="checkbox"/> as	FAILSAFE
	RESET	Failsafe at MCR	
<input type="checkbox"/>	VERIFY	MCR sees C312 Div A <input type="checkbox"/> and Div B <input type="checkbox"/> as	OK
	DETACH	Chipmunk Test box from cable	
	CONNECT	Chipmunk to cable	
<input type="checkbox"/>	VERIFY	Chipmunk is	CHIRPING
<input type="checkbox"/>	VERIFY	MCR sees Chipmunk C312	O.K.
<input type="checkbox"/>	Check for test acceptance of Chipmunk C312 in Mode 2		

1.2	TEST	Chipmunk C313 located at PHENIX shield door in MODE 2	
	PLACE	Peer 17 in Mode 2	
<input type="checkbox"/>	VERIFY	Peer 17 is in Safe Access	MODE 2
<input type="checkbox"/>	VERIFY	Chipmunk calibration date [____/____/____] is	VALID
<input type="checkbox"/>	VERIFY	Chipmunk is in good physical condition and is	CHIRPING
<input type="checkbox"/>	VERIFY	MCR sees Chipmunk as	O.K.
	DETACH	Cable from Chipmunk	
<input type="checkbox"/>	VERIFY	MCR sees Chipmunk as	TRIP & FAILSAFE
	RESET	Trip & Failsafe at MCR	
<input type="checkbox"/>	VERIFY	Attempt to reset Trip & Failsafe at MCR	FAIL
	CONNECT	Chipmunk Test box to the Chipmunk cable	
<input type="checkbox"/>	VERIFY	MCR sees Chipmunk 313 as	O.K.
	PRESS	A & B Div Trip buttons sequentially on the test box	
<input type="checkbox"/>	VERIFY	MCR sees the Chipmunk 313 Div A <input type="checkbox"/> followed by Div B <input type="checkbox"/> as	RAD
	RESET	Interlock at MCR	
<input type="checkbox"/>	VERIFY	MCR sees C313 Div A <input type="checkbox"/> and Div B <input type="checkbox"/> as	OK
	PRESS	A & B Div FAIL buttons sequentially on the test box	
<input type="checkbox"/>	VERIFY	MCR sees the Chipmunk 313 Div A <input type="checkbox"/> followed by Div B <input type="checkbox"/> as	FAILSAFE
	RESET	Failsafe at MCR	
<input type="checkbox"/>	VERIFY	MCR sees C313 Div A <input type="checkbox"/> and Div B <input type="checkbox"/> as	OK

- DETACH Chipmunk **Test box** from cable
 - CONNECT **Chipmunk** to cable
 - VERIFY **Chipmunk** is **CHIRPING**
 - VERIFY **MCR** sees **Chipmunk C313** **O.K.**
 - Check for** test acceptance of **Chipmunk C313 in Mode 2**

1.3 TEST Chipmunk C314 located at PHENIX Counting House in MODE 2

- PLACE Peer 17 in **Mode 2**
 - VERIFY Peer 17 is in **Safe Access** **MODE 2**
 - VERIFY Chipmunk calibration date [____/____/____] is **VALID**
 - VERIFY Chipmunk is in good physical condition and is **CHIRPING**
 - VERIFY **MCR** sees Chipmunk as **O.K.**
 - DETACH Cable from Chipmunk
 - VERIFY **MCR** sees Chipmunk as **TRIP &**
 - FAILSAFE**
 - RESET **Trip & Failsafe** at **MCR**
 - VERIFY Attempt to **reset Trip & Failsafe** at **MCR** **FAIL**
 - CONNECT Chipmunk **Test box** to the **Chipmunk cable**
 - VERIFY **MCR** sees **Chipmunk 314** as **O.K.**
 - PRESS **A & B Div Trip** buttons **sequentially** on the **test box**
 - VERIFY **MCR** sees the Chipmunk 314 **Div A** followed by **Div B** as **RAD**
 - RESET **Interlock** at **MCR**
 - VERIFY **MCR** sees C314 **Div A** and **Div B** as **OK**
 - PRESS **A & B Div FAIL** buttons **sequentially** on the **test box**
 - VERIFY **MCR** sees the Chipmunk 314 **Div A** followed by **Div B** as **FAILSAFE**
 - RESET **Failsafe** at **MCR**
 - VERIFY **MCR** sees C314 **Div A** and **Div B** as **OK**
 - DETACH Chipmunk **Test box** from cable
 - CONNECT **Chipmunk** to cable
 - VERIFY **Chipmunk** is **CHIRPING**
 - VERIFY **MCR** sees **Chipmunk C314** **O.K.**
 - Check for** test acceptance of **Chipmunk C314 in Mode 2**

END OF TEST PROCEDURE

TTL: Sign for completion of initial testing: _____

Date: ____/____/____

TTL: Sign for completion of final testing: _____

Date: ____/____/____