Shot Type 3: Shot Director Checklist
S-AB-P-051 REV G

A Type 3 propagating shot terminates at the Injection calorimeter in the Laser Bay. No main beamline amplifiers are fired.

Prerequisite: Successful Type 1C Qualification Shot

Checklist

1 Prepare the Master Template. Advance to: "PRESHOT". ❑

2 Make headset announcement. ❑

Establish Closed Access

Lock the Source Bay and direct the LST to sweep.

3 *Note: Sources Bay is required for shots that require the 15-cm Glass Amp or 40-mm Rod Amp. ❑

	Closed Access Required			
	Sources	**CB&DB**	**LB&TB**	**VG**
Type 3	Yes*	No	No	No

4 Build the Power Conditioning Template.
- Review the Power Conditioning template with the System Scientist.
- Approve the PCE "Template Report" and click 'PREPARE'. ❑

Steps 5 and 6 may be done in either order.

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Sources Propagating Shot checklist

- Repeat this checklist for each beam in the shot

Confirm:

- Propagating Shot checklist complete and device macro ran clean

For Sources in long-pulse mode

- Pulse width setting
- SBSS Systems are Enabled

5 • ISP-Cal's are withdrawn?" ❑

- Sources injected energy is _____

If LS1 and/or LS2 are in short-pulse mode

- Confirm pulse spectra setting
- SBSS Systems are Bypassed
- Preamplifiers are Disabled
- ISP-Cal's are withdrawn
- Sources injected energy is _____

Beamlines Type 3 Shot checklist

- ALT has secured the IRDP, IRAT, Injection areas

- Repeat this checklist for each beam in the shot

6 Confirm: ❑

- Type 3 Shot checklist complete
- Review the device position macro reports for accuracy. Note any exceptions.
- The required diagnostics are ready.
- Injection Throttle setting _____%
- System Science or PI special setups installed/removed

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7	**Closed Access** • ALT has secured the IRDP, IRAT, Injection, SY and TAS areas • LST has secured the Source Bay (if required)	❑
8	**Start of Charging** Make PA announcement: "Now charging for a Type 3 Propagating Shot for Beamline 1,2,3 and/or 4" • Click on the "Enable Charge" button. • Click on the "Charge" button. • Time to "at volt ", in minutes and seconds, every 30 seconds. • "System is At_Volt" Monitor subsystem shot activities. IF it is necessary to ABORT, press the ABORT button: IF the count is T-5 or less, ALSO **press the red dump button**.	❑
9	**Monitor the shot sequence** Announce: • "T-20 seconds" (to the shot). • "T-10 seconds" (to the shot) and the shot countdown.	❑
10	**Resume Open Access** • Make PA announcement: "Shot #_____is complete, resume normal access." • Unlock the Source Bay	❑
	POSTSHOT Proceed to S-AB-P-062 for POSTSHOT or Abort procedures.	❑
	(done)	