

ESO Pre-Operations Checklist S-AB-P-172 Rev B

Intent: Use this checklist to prepare the Experimental System for Shot operations.

Prerequisites: The following conditions shall exist and be confirmed

- Have been briefed on the scope of planned shots and the Experimental System crew has the required information.
- Review the Equipment Status Log and the Out of Commission list (LFORM 4002, 4003) at the SD's station.
- Assure lists are current and correct. Note items that will effect planned operations.
- Software and control systems are ready (per S-AB-P-nnn).

*** The SL- and BL-BTT gate valves have manufacturing deficiencies that require minimizing their load and use until corrective actions can be applied by the vendor. Until such time only cycle the GCC-side gate valve between short-pulse target shots. The TC side gate valves shall remain open during the entire short-pulse shot day.**

Checklist:

1	Coordinate with Beamlines re: alignment, surrogate target and availability of TCC.	<input type="checkbox"/>			
2	Review vacuum status:	<input type="checkbox"/>			
	Vessel		Pressure	OK?	Not Required
	TC		$< 6.0 \times 10^{-5}$ Torr	<input type="checkbox"/>	<input type="checkbox"/>
	GCC		$< 6.0 \times 10^{-5}$ Torr	<input type="checkbox"/>	<input type="checkbox"/>
	*BL-BTT		$< 6.0 \times 10^{-5}$ Torr	<input type="checkbox"/>	<input type="checkbox"/>
	*SL-BTT		$< 6.0 \times 10^{-5}$ Torr	<input type="checkbox"/>	<input type="checkbox"/>
	Aux. Roughing	$< 4.0 \times 10^{-2}$ Torr	<input type="checkbox"/>	<input type="checkbox"/>	
	Turbo Backing	$< 4.0 \times 10^{-2}$ Torr	<input type="checkbox"/>	<input type="checkbox"/>	
3	Required Targets are prepared and entered into the SRF.	<input type="checkbox"/>			
4	Approved <i>Target Positioning Procedures</i> for the day's targets are available in the Control Room.	<input type="checkbox"/>			
5	SRF Auditor has been run against the SRF's planned for this day. (continues)	<input type="checkbox"/>			

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6	Required Target Diagnostics are installed checked out and ready. <ul style="list-style-type: none">• Perform trigger tests to set-up and confirm timing if needed.• Required CIDs have been plugged in and the CID system is operating.	<input type="checkbox"/>
7	Verify that all needed supplies (pin holes, filters ...etc.) are on-hand.	<input type="checkbox"/>
8	Notify the Shot Director that the Experimental System is ready.	<input type="checkbox"/>
	(end)	

Date: _____ **ESO:** _____ **SD:** _____