



Maintenance of Amplifiers During Shot Operations S-AB-P-093 Rev B

Intent:

This procedure satisfies the Tagout/Lockout procedures (LFORM 4004) to service laser amplifiers by using the PCU door opening as a lockout to safe the amplifier for flashlamp replacement during Shot Operations (Watch Condition 2).

Note: This applies ONLY to flashlamp changes during shot operations. Any other maintenance on PCU's or amplifiers during either Watch Condition 1 or 2 must follow LFORM 4004 Tagout procedures.

Responsibilities:

The OMEGA EP Shot Director has overall responsibility for the control of system configuration, compliance with safety procedures and is responsible for communication of amplifier maintenance instructions and status information amongst the PCT's and AT's.

1	The SD, PCT and the AT will review the POSTSHOT information and agree upon any between-shot flashlamp replacements or other corrective action. <ul style="list-style-type: none"> • Prior to amplifier maintenance, all PCU's serving that amplifier are <u>required</u> to be manually 'safed'. • The SD shall coordinate these actions with the PCT, LSO and the BLO. • The AT shall be provided with a list of amplifiers that require corrective action. • The PCT will manually safe the PCU's on the list. • When the PCU's have been 'safed', the PCT shall inform the SD and the AT to confirm that flashlamp replacement may begin. 	<input type="checkbox"/>
2	The AT will confirm on the AFC that the PCU's are safe.	<input type="checkbox"/>
3	The AT will execute the necessary corrective actions to clear the deficiencies' identified in step 1 and restore them to operating condition.	<input type="checkbox"/>
4	The AT shall verify the AFC is fully enabled and indicates NO errors.	<input type="checkbox"/>
5	The doors on all PCU's that have been 'safed' during this procedure shall remain open until: <ul style="list-style-type: none"> • The AT reports all inspection and flashlamp replacements or other corrective actions are complete, and provides the "amplifier (<u>name</u>) ready" message to the SD and PCT's. 	<input type="checkbox"/>
(end of procedure)		

All transactions involving safety-related information should include:

- Identification of the speaker and addressee by their Watch designations.
- Clear, complete, request or information statements using correct nomenclature.
- Repetition of critical messages by the receiver and confirmation by the originator.

Document Release:

S-AB-P-093 Maintenance of Amplifiers During Shot Operations

This document is a component of Vol. VIII OMEGA EP System Shot Operations Manual, Chapter 3, Power Conditioning, S-AB-P-006.

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