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### RSC Check-off list for Phase II Test of ERL Klystron

The Kirk-key system will be used to keep the Klystron voltage off until this list is complete. After the list is complete the LE may allow the operation of the Klystron to a maximum voltage. After the completion of the test the LE will secure the Klystron voltage with the Kirk-key system.

Klystron is off via Kirk-key.

\_\_\_\_\_ (LE) System is safe.

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\_\_\_\_\_ (RSC) Shielding documentation sufficient for phase II test but not routine operation.

\_\_\_\_\_ (RSC) Shielding inspected including the Pb shields and acceptable for phase II tests.

\_\_\_\_\_ (RCT) Door to Klystron area posted as high radiation area with Klystron on.

\_\_\_\_\_ (RCT) Area near the Klystron shield is roped off to exclude personnel during surveys including the second floor above the klystron.

\_\_\_\_\_ (RCT) RCT is ready to survey for low energy x-rays.

\_\_\_\_\_ (LP) The check-off list is complete and the area is ready for phase II testing. The LP or designate is responsible to keep the Klystron off during breaks in the testing.

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The LE may now unlock the Kirk-key system to allow operation. At the completion of the test the LE or LP is responsible to use the Kirk-key system to prevent operation until another authorized test.

The RCT should attach the survey results to this check-off list. Surveys should indicate if the survey is with or without RF.

A final 2-4 hour survey with TLDs will be conducted.

The RCTs at their discretion may allow other personnel in the roped off area.

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