Prepared By:
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Date: Sept. 10, 2013
Reviewed by: _____
Date: 9/10/13
Approved by: _____
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Date: 9/11/13

RSC Check-Off List for Cold Testing of the 400 MHz Double-Quarter Wave Crab Cavity (DQWCC)

Completion of this RSC Check-Off List is a prerequisite for the 400 MHz DQWCC test in the Small Vertical Test Facility or SVTF (was called little block house) in BLDG 912.

Upon Completion of this check-off list and the completion of the ASSRC check-off list in the MCR the testing may commence. The use of the 50 kW ERL power supply is **NOT** allowed with this check-off list. An additional check-off list will be required.

1. _____(RSCC) The shielding has been examined and found acceptable.

2. _____(LE) Block house shielding and barriers inspected and acceptable for cavity operation.

3. _____(ACG) Functional tests for the interlock system are complete for SVTF.

4. _____(RCD) Gate posted as HIGH RADIATION AREA when RF cavity is operating. RF cavity is operating when gate panel 'No Access' light is on, Access not permitted when RF cavity is operating.

5. _____(RCD) South shadow block, east shadow block and roof railing accessing the SRF posted as:
Notify HP prior to Entry when RF cavity is operating
RF cavity is operating when gate panel 'No Access' light is on
HP escort with appropriate survey meter required when RF cavity is operating

6. _____(ACG) All bypasses or temporary jumpers in place have been discussed with the RSCC.

7._____(RCD) The cavity orientation has been received by RCD so that the axis of the cavity and cracks can be checked for x-ray leakage.

8. _____(LP) The items listed above have been completed.

9. _____(OC) List completion verified by on-duty operations coordinator.

When the list above is complete then the RS LOTO can be removed and conditioning and testing of the cavity can begin.

When the cavity is ready to potentially generate x-rays the on-duty RCT needs to be in the area to conduct surveys of the shielding and penetrations. After the surveys have been reviewed the configuration of the final area postings near the blockhouse will be determined.

RCD:	Radiation Controlled Division: P. Bergh or designate.
LE:	Liaison Engineer: D. Phillips
LP:	Liaison Physicist: Sergey Belomestnykh or designate.
MCRGL:	MCR Group Leader: Peter Ingrassia or designate.
RSCC:	Radiation Safety Committee Chairperson: D. Beavis or designate
OC:	Operations Coordinator
ACG:	Access Control Group: J. Reich or designate.
RCT:	Radiation Control Technician
IG:	Instrumentation Group: R. Atkins or designate.
CEE:	Chief Electrical Engineer: J. Sandberg or designate.
RGDC:	CA RGD custodian: A. Etkin or designate.
ERLGL:	ERL Group Leader