

Target Electronics ORCs

Here we organize the Operational Readiness Clearance (ORC) documents that needed to be submitted. Please "Click" on the title(s) to navigate to the dedicated page(s).

Target computer shutdown procedure: <https://seaquest-docdb.fnal.gov/cgi-bin/sso/ShowDocument?docid=7683>

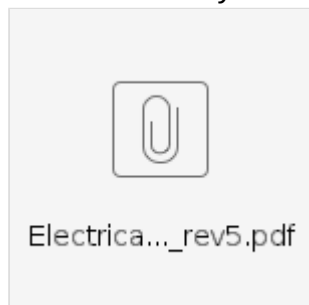
FNAL ORC Submission page: <https://fermipoint.fnal.gov/service/tsworc/SitePages/Home.aspx>

System		ORC #	Description
Target Lifter		ORC-1837	Lifter assembly
		ORC-1837.01	E1039 Target Lifter Addendum (re-installation)
		ORC-1865	Lifter control system
		ORC-1866	Lifter ADC system
		ORC-1877	Lifter Monitoring system
Microwave		ORC-1934	Microwave motor controlling box
Slow control rack		ORC-1895	Overall rack ORC
		ORC-1969	E1039 Slow Control Rack Update in NM4 Hall
UVA-NMR		ORC-1854	Custom components
UVA-NMR		ORC-1888	Commercial Components
UVA-NMR		ORC-1888.01	Addendum for operating from the cryo platform
Magnet Electronics (in-cave)		ORC-2049	Covers all the electronic connections on the magnet (in-cave)
Fridge Electronics		ORC-2050	ORC2050_Fridge_Electronics.pdf
Magnet cooldown		ORC-2056	ORC-2056-E1039_Polarized_Target_Magnet_Cooldown_ORC.pdf
Polarized Target Final Walkthrough		ORC-2055	ORC2055-E1039_Polarized_Target_system_final_walkthrough.pdf Responses to the recommendations: ORC2055-Responses-to-Recommendations.pdf
Magnet		ORC-2171	Heat Tapes for Target Cryogenic System at SpinQuest
Outside gHe tank		ORC-2199	Pressure and Temperature Sensors for Outside Gaseous Helium Tank at SpinQuest
QT compressor		ORC-2205	Temperature Sensors for LCW Outlet of QT Compressor at SpinQuest

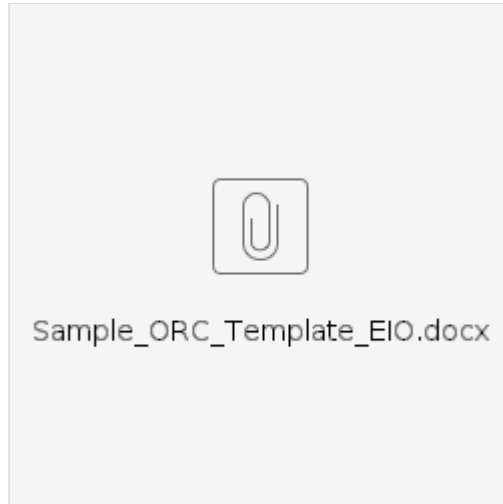
Click [Updates Page](#) to see some updates on scheduling, constructions etc.

Manuals & Sample docs:

i) Electrical Safety ORC Review Guidelines



ii) Sample ORC Template (eg: EIO)



- 1) [Microwave ORC](#) (Waqar)
- 2) [Microwave chiller-tube ORC](#) (Anchit)
- 3) [Target Lifter ADC system](#) (Vibodha)
- 4) [Target Lifter Control System](#) (Vibodha)
- 5) [NMR ORC](#) (Ishara & Misha)
- 6) [Roots pumps ORC](#) (Anchit)
- 7) [NMR-rack ORC](#) (Ishara & Misha)
- 8) [Cryo-rack ORC](#) (Zulkaida & Ernesto)

9) Magnet ORC (rack and in-cave) (Zulkaida)

10) Slow-Controls Rack ORC (Zulkaida)