

DUNE Technical Integration Meeting

9 January 2020

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Near term Goals of Electrical TC Team

- Review Consortia-to-Consortia and Consortia-to-Facility ICDs with Technical Leads (TLs)
- Get input from TLs to complete reviews of and spreadsheet/databases (shared goggle doc?) for
 - Cables
 - Power requirements
 - Equipment and location constraints (above info allows for rack build planning)
 - Safety Interlocks required (DUNE Detector Safety System)
 - Slow Control Monitoring requirements (DAQ/SC Consortia)
 - Life safety issues (lasers, cryogenes, radiation, ...) which need to be coordinated with SURF/LBNF reporting systems
 - System grounding reviews

Other System issues

- System issues
 - Distributing requirements for passing Operational Readiness Reviews at FD and making TLs aware of requirements
 - Ensuring systems are properly documented in EDMS
 - Understanding location of “underground” DAQ room in order to finalize equipment footprints (transformers, panels, UPS) and conduit runs
 - Understanding of any special power requirements during construction phase of the cryostat OR during special operations like calibrations
 - Racks and rack protection
 - Equipment database(s)
 - Channel maps
 - ...