

# Configuration management

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LBNC

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# Charge Point

- Provide an update on the status of the LBNF/DUNE Configuration Management Plan, and implementation timeline and planning for initiating configuration control in preparation for CD-2.

# Current Configuration Management

- The current Configuration Management Plan (CMP) is located at docdb #82
  - <https://docs.dunescience.org/cgi-bin/private/RetrieveFile?docid=82&filename=LBNF%20DUNE%20Configuration%20Management%20Plan.pdf&version=3>
- The Conventional Facilities and the LN2 system portions of the project have been under configuration management for some time as it has been baselined.
- Any changes are recorded in the Baseline Change Request Tool.
  - <https://fbcr.fnal.gov/AllBCRs>
- All change requests are evaluated, reviewed and approved or not by the LBNF Change Control Board (CCB).

# View of BCRT



Home | Baseline Change Request (BCR) | Reports | Awaiting Approval | Account | ?

All BCRs

Number or Title:  

Draft BCRs

BCR Number	Title	WBS Number	Created By	Status	Preliminary		Edit BCR	View	Print
					Cost Impact	Schedule Impact			
LBNF/DUNE_0252	ProtoDUNE DAQ Support SCD	131.02.02.40.06	jrmacier	Draft	\$200,000.00				
LBNF/DUNE_0251			mccluskey	Draft					
LBNF/DUNE_0249	Removal of rock septum in the detector caverns and reduce overall length of detector caverns		dhanaraj	Draft	\$3,500,000.00				
LBNF/DUNE_0248	Update NSCF CM/GC Budgets		hamernik	Draft					
LBNF/DUNE_0247	Extension of each end of the detector caverns by 3 meters in the crown area from the 4850L upward - four locations		dhanaraj	Draft	\$640,000.00				
LBNF/DUNE_0244	Far Site Additional Staff - Administrative Assistant	131.01.01.01	willhite	Draft	\$604,500.00				
LBNF/DUNE_0240	LBNF FS Construction Offices in Ross Dry Building		mccluskey	Draft	\$450,000.00				
LBNF/DUNE_0239	FSCF: A/E Insurance Cost for \$10M PSP		mccluskey	Draft	\$2,300,000.00				
LBNF/DUNE_0235	FSCF: Ross Shaft Incident Investigation & Corrective Actions	131.01.02.02.05	adamh	Draft					
LBNF/DUNE_0234	Power Consumption at SURF	131.01.01	bobo	Draft	\$29,310,885.00				
LBNF/DUNE_0231	Increase NSCF A/E Budgets	131.01.03.02	hamernik	Draft	\$8,473,284.00				

# CMP updates

- With the new organization of the DUNE consortia, the CMP is being updated to reflect the new structure and management plans.
- A DRAFT version of the CMP is located at
  - <https://web.fnal.gov/organization/LBNC/SitePages/LBNC%20at%20Fermilab%20-%20February%2018%20-%2021,%202018.aspx>
- This version updated:
  - The change control thresholds and authorities for both LBNF and DUNE.
  - Clarifies the definition of a configuration item.
  - The roles and responsibilities for both LBNF and DUNE due to organization changes.
  - The list of tools used in the configuration and change control process.

# Plans for DUNE CM

- The plan is to implement change control for DUNE when the Technical Design Report has been reviewed and approved.
- Some of the major milestones to be achieved are:
  - Complete the Technical Proposal – May 2018
  - Reach an agreement on what items will be under configuration management (Configuration Items) – Oct 2018
  - Finalize and approve all of the Interface Control Documents for the Consortium – Feb 2019
  - Review the TDR – April 2019

# Configuration management of cryostat and cryogenics

- The cryostat design was reviewed in Aug 2017 and the feed thru locations approved in Dec 2017. It is currently under configuration control.
- The mezzanine structural design was reviewed in Aug 2017. The proximity cryogenic work is still ongoing. The size of the mezzanine is still not fixed. These two items are closely related and will go under configuration control at CD2.

# Slide Title