

Technical Systems Engineering and Task Teams (TSETs)

Systems/ Level	Main Linacs	Injection	Beam Delivery	Convent- ional Fac.	Global Controls & Protection	Subsystem /Activity Teams	Engineering Team Coordinator	ENGINEERING	Generic Technical Subsystems
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Top Level	Raubenheimer
Top Level Coord	Phinney

Interface Interfaces Negotiated by System Manager

Area Level	Adolphsen	Sheppard	Markiewicz	Ives	Humphrey
Area Collab.	Finley	Corlett	Corlett	Kuchler	Czarapata
Area Coord(s)	Neubauer	Anderson	Eriksson	Corvin	Fuller

Interface Interfaces Negotiated by Matrix Manager

Team	Engrg/Task Team Coordinator	SLAC Engineers	FNAL Engineers	LBNL Engineers	LLNL Engineers	Other Engineers	Engineering Tasks
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Team	Engrg/Task Team Coordinator	SLAC Engineers	FNAL Engineers	LBNL Engineers	LLNL Engineers	Other Engineers	Engineering Tasks
•	Sources Team	D. Schultz					e+/e- Sources Special Systems
• • •	Vacuum Team	C. Rago	Clendenin,Frisch, Kotseroglou,Mulholland				Vacuum Systems (Non-RF)
• • •	Magnets Team	C. Spencer	Eriksson,Anderson McKee,Porter,Hammer				Magnet Systems
• • •	Permanent Magnets Task Force	A. Ringwall B.Fowler	Rago, McKee, Ringwall, Asher, Lowe Nesterov, Rodriguez				Permanent Magnet Systems
• • •	Supports & Movers Team	A. Ringwall N. Yu	Ringwall, Spencer	Fowler, Volk		Marks, Schleuter Robinson	Supports/Movers Systems
• • • • •	Cable Team	P. Rodriguez R.Fuller	McKee, Munro Browne, Roster, Bowden				Cable Systems
•	DR Special Systems Team	M. Ross	PCD Cable Grp				Cable Systems
•	Kickers Team	M. Ross	McKee, Jobe			Kennedy, Corlett, Marks Rimmer, Hartman Koehler,Rasson	DR wiggler, RF and Vacuum
• •	LLRF Team	H. Schwarz	Cassel, Pappas				Kicker Systems
• •	Modulators Team	R. Larsen	Schwarz, Corredoura, Judkins, Munro,Phillips				LLRF Systems
• •	High Power RF Team	J. Cornuelle D. Finley	Cassel, Pappas, Nguyen, DeLamare,Donaldson Gold, Krasnykh, Akre, Eichner, Phillips			Cook, Sullivan, Merritt Hawkins	Bechtel-Nevada Brooksby Capitanelli
• • •	BPMs Team	S. Smith	Neubauer, Tantawi, Wang, Jongewaard				RF Klystrons/Waveguide /Structures/Cavities Systems
• •	Collimators/ Beam Dumps	E. Doyle	Johnson, Medvedko V.Smith,Munro				BPM Systems
• • •	Special Instrumentation Systems Optical Anchors	M. Ross	Doyle, Eriksson, Porter, Leung				Collimators/Beam Dumps
• • •	Area Installation/ Alignment Team	K. Fant	Frisch, Jobe, Porter, Cisneros, Tilghman, Bernstein, Thompson				Profile Monitor/SR Monitor/ Toroid/Wire Scanner/ Laser Wire Systems Optical Anchors
• • • • •	Tunnel Electronics	Haller	Ruland, Schultz, Ross Area Managers, Area Coordinators				Area Installation Sources, DRs, Pre-Linacs, Main Linacs, Beam Delivery, Irs
• • • • •	Area Management Teams	Area Managers	Nelson, D.Freytag M.Freytag,Sapozhnikov				Enclosures, cooling, commun'ns. std interface, cables, connectors, power
• • •	Manufacturing Facilities	M. Munro	Area Coordinators				Area Management Sources, DRs, Pre-Linacs, Main Linacs, Beam Delivery, I Rs
• • • • •	Controls & Protection Team	R. Humphrey P.Czarapata	Rago,Fant				Manufacturing Facilities.
• • • • •	Conventional Facilities	J. Ives	Clark, Shoae, Cisneros, Fuller,Ortega, Tilghman, Kroutil, Bong, Bennett, Zdarko,Crane, Russel,Claus,Bogart Phinney,Hendrickson			Czarapata, Lackey	Global Controls Protection Systems Software Systems Timing Systems Racks, Crates, Networks
• • • • •	R&D BL Mgmt/Coord BL Commissioning Pre-Ops Project Mgmt	D. Burke	Corvin, Sevilla, Cogan			Kuchler, Lackowski Sims	Conventional Facilities
• • • • •			Area Mgrs, Lavine, Raubenheimer, Phinney			Dombeck	R&D BeamIns Mgmt/Coord (WBS 119) BeamIn Commiss'g (WBS 16) Pre-Operations (WBS 17) Project Management (WBS 19)

Note: These Project Teams are responsible for Technical Planning, Definition, Engineering, Costing, Scheduling and Reliability Analysis of the Pre-conceptual Design Phase of the NLC.