

2. ROLES AND RESPONSIBILITIES FOR CABLING AND RACK FABRICATION TEAM MEMBERS

The cabling and rack fabrication team is described below and shown on the tables below.

Project Manager: Provide overall management and integration. Provide appropriate standardization, design criteria, and cabling database. Facilitate planning for rack fabrication and installation. Arrange task order based contract for rack fabrication. Arrange for cable procurements. Hire installation team leaders and technicians.

System Engineers: Provide sub-project wide technical integration. Resolve interface issues. Generate and manage rack fabrication task orders. Manage cabling database and cable number assignments.

Installation Manager: Provide overall management and integration of installation activities for all equipment (including cabling and racks).

Procurement: Support procurement of equipment and cabling and obtaining contracts for fabrication, installation, and/or testing.

Lead Engineers (LE) – SNS: For assigned systems and equipment, provide technical integration for activities where SNS is shown as “Lead” on the Roles & Responsibilities” table. This includes: Insuring that appropriate standardization, design criteria, designs, design reviews, procurement, fabrication, installation, and testing activities are provided. Accepting designs and inspection and testing of fabrication and installation Insuring proper turnover to operations and support readiness review activities.

Lead Engineers (LE) – LABS: For assigned systems and equipment, provide technical integration for activities where LABS are shown as “Lead, Mentor, and/or Consult” on the Roles & Responsibilities” table.

Installation Team Leaders (TL): Provide overall coordination of installation activities for cabling and racks.

Cabling and Rack Factory Team

	Site Cabling	FELK	Ring	Target	Instruments
Management & Integration					
Program Manager	John Cleaves	John Cleaves	John Cleaves	John Cleaves	John Cleaves
Cable & Rack System Engineer	Les Ottinger	Les Ottinger	Les Ottinger	Ron Battle	Rick Riedel
Cable & Rack System Engineer	TBD	TBD	TBD	TBD	TBD
Installation Manager	Paul Holik	Paul Holik	Paul Holik	Tom McManamy	Tom McManamy
Procurement	Jeff Geouque	Jeff Geouque	Jeff Geouque	Jeff Geouque	Jeff Geouque
Lead Engineers (LE) - SNS					
RF	NA	Ray Fuja	Ray Fuja	NA	NA
Magnets & Power Supplies	NA	Paul Holik	Paul Holik	NA	NA
Vacuum	NA	Mike Hechler	Mike Hechler	LoriLei Jacobs	Rick Riedel
Cooling Water	NA	Jim Schubert	Jim Schubert	LoriLei Jacobs	Rick Riedel
Diagnostics	NA	Dave Purcell	Dave Purcell	NA	NA
Global Controls	Bill DeVan	Bill DeVan	Bill DeVan	Bill DeVan	Bill DeVan
Accelerator Sys Controls	Bill DeVan	Bill DeVan	Bill DeVan	NA	NA
PPS	Paul Wright	Paul Wright	Paul Wright	Paul Wright	Paul Wright
TPS	Ron Battle	Ron Battle	Ron Battle	Ron Battle	NA
Target Systems Controls	Ron Battle	NA	NA	Ron Battle	NA
Robotics	NA	NA	NA	Mark Renich	NA
Moderators	NA	NA	NA	Allen Crabtree	NA
Target Systems	NA	NA	NA	Tom McManamy	NA
CF Controls	John Cleaves	John Cleaves	John Cleaves	John Cleaves	NA
CF Lighting, pwr, PA, telephone, etc.	Randall Wood	Randall Wood	Randall Wood	Randall Wood	Randall Wood
Installation					
Team Leaders (TL)	TBD	TBD	TBD	TBD	TBD
Technicians	TBD	TBD	TBD	TBD	TBD
Lead Engineers - LABS					
Coordination	NA	Bill Abraham Jack Gioia John Hogan	PK Feng	Ron Battle	Rick Riedel
RF	NA	Paul Talerico Amy Reagan	Alex Zaltsman	NA	NA
Magnets & Power Supplies	NA	Jack Gioia	Ioannis Marnaris Jian Lin Mi	NA	NA
Vacuum	NA	John Bernardin	Lorelie Smart	NA	Rick Riedel
Cooling Water	NA	John Bernardin	????	NA	Rick Riedel
Diagnostics	NA	Mike Plum	Pete Cameron	NA	NA
Global Controls	NA	NA	NA	NA	NA
Accelerator Sys Controls	NA	Bob Dalesio	John Smith	NA	NA

Roles and Responsibilities—Cabling and Racks

Cabling	Lead (1)	Mentor (2)	Consult (3)	Person	Funding
Standards, Requirements, & Database Management	SNS			PM, SE	1.9.1.2
Generate data for entry into project cabling database	LABS			SE	1.3-1.7
Enter data in project cabling database	SNS			SE	1.9.1.2
Cable tray design	SNS	LABS		(5)	1.9.1.2
Conduit design	SNS		LABS	LE	TBD
Cable drawings and listings (showing from/to, routing, termination data)	LABS			LE	1.3-1.7
Procurement & Installation specifications	SNS	LABS (4)	LABS	LE	TBD
Procurement (tray, conduit, cabling, connectors, etc.)	SNS		LABS	LE	TBD
Pull lists	SNS		LABS	LE	TBD
Installation (tray, conduit, cabling)	SNS	LABS	LABS	TL	TBD
Termination	SNS	LABS	LABS	TL	TBD
Testing	SNS		LABS	LE, TL	TBD

- (1) Perform the work (or contract to have it done)
- (2) Support kickoff meetings, workshops, & training in RATS building
- (3) Telephone calls, video conferences, and review of procedures & specifications
- (4) Provide preliminary/outline specifications (possibly from other projects).
- (5) Holik for the Accelerator, McManamy/AE for Target

Racks	Lead (1)	Mentor (2)	Consult (3)	Person	Funding
Management, Integration, Fabrication task order contract	SNS		LABS	PM	1.9.1.2
Design (Specifications, drawings, & Test procedures)	LABS			LE	1.3-1.7
Develop and test software (4)	SNS & LABS	LABS		LE	1.3-1.7
Procure electronics (4)	SNS & LABS		LABS	LE	1.3-1.7
Generate rack factory task order	SNS	LABS	LABS	SE, LE	1.3-1.7
Procure, assemble, and provide basic wiring for racks (4)	SNS & LABS		LABS	LE	1.3-1.7
Install electronics and/or software	SNS	LABS		LE	1.3-1.7
Factory testing (4)	SNS & LABS	LABS		LE	1.3-1.7
Testing at RATS building	SNS	LABS		LE	TBD
Install (set in place) racks at the site	SNS		LABS	TL	TBD
Cable terminations at the site	SNS		LABS	TL	TBD
Testing at the site	SNS		LABS	LE, TL	TBD

- (1) Perform the work (or contract to have it done)
- (2) Training SNS teams and participate in SNS/LAB teams for Rack Factory task order generation and Factory and/or RATS building testing
- (3) Telephone calls, video conferences, and review of procedures & specifications
- (4) Plans are different for each rack type. Detailed sheets showing the plan for each rack have been prepared.