

4. CABLING PROCUREMENT PLAN

Draft May 31, 2001

In general, procurement of cable and connectors will proceed as follows:

Cabling within racks will be procured as part of rack fabrication (stuffing) contracts. Spare cabling to support maintenance and testing in the RATS building will be procured by SNS.

Cabling needed by Conventional Facilities construction contractors will be procured as part of construction contracts. Cable specifications will be provided by the AE.

Technical Systems cabling will be procured by SNS and delivered to the RATS building except for special cases such as:

- a) Cabling that is being provided by equipment suppliers as part of laboratory procurements of equipment. Example are cabling for Rf transmitter equipment in the Linac
- b) Cabling already in use at laboratories (such as most of the Front End system cabling)
- c) Laboratory expertise is needed to insure proper characteristics are obtained,
- d) Existing laboratory contracts provide a procurement advantage

Where laboratories procure cabling, sufficient spare cabling will be procured for storage at the RATS building in support of installation and maintenance and cabling to be used at the site will be delivered directly to the RATS building.

SNS-ASD will take the lead role in providing cable specifications for SNS procured cabling. Laboratories will assist by providing existing specifications, outline specifications, review and comment to insure proper requirements, etc. The CM electrical commodities contract will be used where applicable.

Thus, SNS procured cable and the person responsible for generating technical requirements are as follows:

<u>Cable</u>	<u>Responsible for Specifications</u>
Rf Power & controls (low level RF) cabling	Ray Fuja
Magnet power and controls	Paul Holik
Vacuum system power and controls cabling	Mike Hechler
Cooling water systems power & controls cabling	Jim Schubert
Cryogenics system power and controls cabling	Herb Strong
	John Hogan
Extraction Kicker/Pulse Forming Network (PFN)	P.K. Feng
Personnel Protection System (PPS) cabling	Paul Wright
Target Protection System (TPS) cabling	Ron Battle
Integrated Controls Systems signal and communications cabling	Bill DeVan
Power cabling from unit substations to power panels	TBD
Target systems power and controls cabling not provided by installation contracts	Ron Battle
Instrument systems cabling	Rick Riedel

The Lead Engineer responsible for integrating cable technical data and coordinating SNS cable procurements is Les Ottinger. The SNS buyer for SNS procured cabling is Jeff Geouque. Funding will be in WBS xxx. Delivery dates will be such that cable pulling can start at building RFE or BOD dates as applicable.