

PART I - DESCRIPTION

WBS Number: 1.8.2	Title: Trim coil leads and cooling
Originator: B. Nelson	
<u>Description</u>	
<u>General Description of Work to be Performed:</u>	
<p>A set of coaxial leads will be provided from each trim coil panel assembly and will be routed to the outside through continuous conduit. There, the coils in each group will be connected in series and connected to power supplies in the ESAT building at C-site.</p> <p>The trim coils will be cooled with helium gas at the same temperature as the vacuum vessel. The gas feeds will be in the same conduit as the leads.</p> <p>This element includes the coaxial leads with high temperature insulation, conduit, vacuum feedthroughs, lead routing, inspection and electrical testing.</p>	
<i>Design</i>	
<p>No design is included in this element. All drawings and analysis required for the trim coil set is provided in WBS 1.8.1.</p>	
<i>R&D</i>	
<p>No R&D is included in this estimate</p>	
<i>Materials and Subcontracts</i>	
<p>The coaxial leads and other material will be purchased from an outside vendor.</p>	
<i>Fabrication and Assembly</i>	
<p>No additional fabrication or sub-assembly is expected on site.</p>	
<i>Installation and Testing</i>	
<p>Routing the conduit inside the vacuum vessel is provided in this element.</p>	
<u>Description of Existing Equipment/Facilities to be Reused:</u>	
<p>None</p>	
<u>Description of Major Modifications Required to Existing Equipment/Facilities:</u>	
<p>None</p>	