

<b>SPIRE/PACS</b> (CEA-SBT)	<b>Monthly Report – March 2004</b>	<b>Date:</b> April 6 <sup>th</sup> , 2004
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**Work Package: Cooler**

**SPIRE-SBT-REP-001998**

<b>1. Subsystem Progress Since Project Inception</b>		
Product Assurance plan implemented. STM and CQM units delivered to SPIRE and PACS. FM units manufacturing in progress		
<b>2. Subsystem Progress This Month</b>		
<ul style="list-style-type: none"> <li>- Kevlar characterisation campaign : SPIRE &amp; PACS STM now available – refining of tensioning procedure to follow</li> <li>- FM manufacturing : All parts available. Parts verification, fit check and photographic records done.</li> <li>- Laser marking : 80% done (toolings remain to be done).</li> <li>- FM assembling – 4 structures pre-assembled at SBT and delivered to TECHMETA for EB welding. EB welding done (structure expected to be back at SBT week 16). EB welding of cooler heart and switches (first phase) to follow. Brasing phase to follow.</li> <li>- Titanium STM : detailed design completed – manufacturing to follow (awaiting subcontractor quote)</li> </ul>		
<b>3. Problem Areas</b>	<b>Remedial Action</b>	
<b>4. Engineering Activities</b>		
<b>5. Design Changes</b>		
<b>6. PA/QA Activities</b>		
General QA management.		
<b>7. Subsystem Management Issues</b>		
None		
<b>8. Actions Requiring Immediate Attention</b>		
SBT documents approval by SPIRE and PACS projects		
<b>9. Status of Previous Actions</b>		
None		
<b>10. Activities Yet to be Achieved</b>		
<b>11. Milestones</b>		<b>Status</b>
Winter 00-01	Coolers Detailed Design	Completed
May 17 <sup>th</sup> 2001	Coolers DDR (PACS & SPIRE)	Completed
June 26 <sup>th</sup> 2001	Subcontractor selection for machining	Completed
October 2001	Parts Delivery	Completed
Spring 2003	CQM Coolers assembling	Completed
Nov/Dec 2001	STM Coolers Assembling and Vtest	Completed
Nov. 2002	STM Coolers delivery	Completed
Spring 2003	CQM Coolers Qualification	Completed
Autumn 2003	CQM Coolers Delivery	Completed
Winter 2003	FM manufacturing	In progress
<b>12. Schedule Changes</b>		