

<b>SPIRE/PACS</b> (CEA-SBT)	<b>Monthly Report – January 2004</b>	<b>Date:</b>	February 5 <sup>th</sup> , 2004
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**Work Package: Cooler**

<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 : Awaiting delivery of STM back to SBT to refine tensioning procedure</li> <li>- FM manufacturing : most parts available. Parts verification and fit check done. Manufacturing of heat switches initiated</li> <li>- FM assembling : RFQ issued – awaiting subcontractors proposals.</li> <li>- CQM SPIRE : first tests of the cooler in the instrument successfully carried out (early February, 265 mK obtained at RAL AIV facility)</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 – main documents currently updated following FM phase review : will sent again when completed. Awaiting delivery of STM back to SBT		
<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>		