

SPIRE/PACS (CEA-SBT)	Monthly Report –October 2001	Date: 29/10/01
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Work Package: Cooler SPIRE-SBT-REP-001007

1. Subsystem Progress Since Project Inception		
Detailed design of the coolers (CQM, STM, PFM & FS) done. Manufacturing of 2 CQM + 2 STM done. Manufacturing of new large test cryostat in progress (“standard” test cryostat available). Product Assurance plan implemented.		
2. Subsystem Progress This Month		
<ul style="list-style-type: none"> - parts for 2 CQM + 2 STM available (90% delivered, remaining end of week) – Parts verification initiated (includes check, weighting and photographic records) - Additionnal tools for EBM welding designed and currently manufactured (delivery expected week 45) - Gold plating of copper external surface not performed at SBT anymore : subcontracted (subcontractor already identified) : test on compatibility of copper gold plated / titanium brasing to be performed in the coming days - Cleanliness philosophy : SBT will present shortly its proposed approach. - Numerical modeling of overal cooler mechanical performance : most infos available now – TN in progress. - Kevlar characterisation campaign : fatigue test set up built – preliminary tests done : slight modification of test set up being done. - Following ITT subcontractor selected for large test cryostat : manufacturing initiated - ITT issued for large test cryostat 		
3. Problem Areas	Remedial Action	
4. Engineering Activities		
Tensiometer to be developed to check for Kevlar cord tension in situ - In progress – possible solution identified		
5. Design Changes		
6. PA/QA Activities		
Incoming inspection started – General QA management		
7. Subsystem Management Issues		
None		
8. Actions Requiring Immediate Attention		
9. Status of Previous Actions		
None		
10. Activities Yet to be Achieved		
11. Milestones		Status
Winter 00-01	Coolers Detailed Design	Completed
May 17 th 2001	Coolers DDR (PACS & SPIRE)	Completed
June 26 th 2001	Subcontractor selection for machining	Completed
October 2001	Parts Delivery	On schedule
Nov/Dec 2001	CQM Coolers assembling	On schedule
Nov/Dec 2001	STM Coolers Assembling and Vtest	On schedule
Dec 2001	STM Coolers delivery	On schedule
Winter 01-02	CQM Coolers Qualification	On schedule
Spring 2002	CQM Coolers Delivery	On schedule
12. Schedule Changes		
None		