SPIRE/PACS (CEA-SBT)	Monthly Report –June 2001	Date:	29/06/01

Work Package: Cooler

1. Subsystem Progress Since Project Inception	SPIRE-SBT-REP-000790

Detailed design of the coolers (CQM, STM, PFM & FS) done. Detailed drawings available. Test cryostat available. Product Assurance plan implemented.

2. Subsystem Progress This Month

- Subcontractor selection has been made for the manufacturing. Manufacturing of 2 STM and 2 CQM shall begin early July.
- All detailed drawings have been reviewed. Drawings renamed as issue B : becomes our reference set
- Numerical modeling of mechanical performance : almost done.
- Kevlar characterisation campaign : in progress
- General design of a new test cryostat (larger unit – for long term performance) done. Detailed drawings to be subcontracted soon.

3. Problem Areas	Remedial Action

4. Engineering Activities

Tensiometer to be developed to check for Kevlar cord tension in situ - In progress – Will probably be an in house development.

5. Design Changes

N/A

6. PA/QA Activities

PA Plan implemented.

7. Subsystem Management Issues

Some points such approval of documents, responsabilities, etc… have been clarified with SAp. Will appear on new issue of SBT documents

8. Actions Requiring Immediate Attention

Cleanliness philosophy : in progress.

9. Status of Previous Actions

None

10. Activities Yet to be Achieved

Preliminary update on the Vtest spec. (B. Winter) has been supplied. Awaiting further confirmation. For now will be used as input for numerical modeling

11. Milestones		Status
Winter 00-01	Coolers Detailed Design	Completed
May 17th 2001	Coolers DDR (PACS & SPIRE)	Completed
June 26th 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