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Sent: 30 March 2001 13:29

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Subject: HSO/SPIRE&PACS/Sorption Coolers - March 2001 Progress Report
SPIRE-SBT-REP-

000779

HSO - SPIRE & PACS Sorption Coolers - March 2001 Progress Report

Bonjour,

GENERAL

- A first set of the detailed drawings of the cooler has been received for comments (drawings numbering, names, etc....). The full corrected set should be available within one week.

- The cooler DDR is expected to be held in Grenoble, beginning of May. SPIRE Project will submit a list of potential attendees.

- Reliability analysis (FMECA) : Document is being reworked by LGM Consultant.

- Quality assurance : quality system in progress - The format of the documents has been changed (see list below - not completed yet). Many documents to be issued - First list :

* SPIRE & PACS Sorption Coolers - Manufacturing, Assembly, Integration and Verification Flow Chart (MAIV) : almost done.

* SPIRE & PACS Sorption Coolers - Interface Control Document (ICD): soon.

* SPIRE & PACS Sorption Coolers - Verification and Test Plan : partly done

* SPIRE & PACS Sorption Coolers - PA Plan : soon

* SPIRE & PACS Sorption Coolers - Declared Material List and Declared Processes List (DML, DPL) : 50% done

* SPIRE & PACS Sorption Coolers - Configuration Item Data List (CIDL) : soon

* SPIRE & PACS Sorption Coolers - Drawing List : done

* SPIRE & PACS Sorption Coolers - Non Conformance Control Procedure : 50% done

* SPIRE & PACS Sorption Coolers - Architectural Analysis Report : soon

* SPIRE & PACS Sorption Coolers - FMECA Report : soon

* SPIRE & PACS Sorption Coolers - Sorption Cooler User's Manual : in the future

COOLER DESIGN

- Done
- Numerical modeling of the overall cooler still in progress

ACTIONS LIST

- None

VARIOUS

- N/A

DOCUMENTS STATUS

These are the documents which were written specifically for SPIRE/PACS.

*** CEA-SBT**

* Title : "SPIRE & PACS SORPTION COOLERS, DEVELOPMENT PLAN"
HSO-SBT-PL-002 Issue : 2 - Revision : 2
modification : reformatted

* Title : "SPIRE & PACS SORPTION COOLERS, SPECIFICATIONS"
HSO-SBT-PL-001 Issue : 2 - Revision : 6
modification : reformatted

TECHNICAL NOTES SERIES

* Title : "THERMAL COUPLING OF THE SORPTION PUMP TO THE COLD
HEAT SINK. HEAT SWITCH VERSUS PASSIVE LINK"
TNS1 Issue : 1 - Revision : 1
modification : none

* Title : "DISCUSSION ON 4 LITERS VERSUS 6 LITERS UNIT & ULTIMATE
TEMPERATURE IMPROVEMENT"
TNS2 Issue : 1 - Revision : 0
modification : none

* Title : "TEMPERATURE REGULATION"
TNS3 Issue : 0 - Revision : 0
modification : none

*** MSSL + CEA-SBT**

* Title : "ICD 1.1/1.3 STRUCTURE/COOLER"
SPIRE-MSS-PRJ-000331 Issue : 0 - Revision : 2
modification : none

Best Regards
Lionel Duband

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"Work for the future. That is where you are going to spend the rest of your life."

-- Mark Twain