SPIRE ICC
Monthly Progress Report
May-June 2003

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1. STAFFING

Matthew Graham has left the ICC for Caltech.
Maohai Huang will be leaving the ICC for Beijing in July.
Asier Aramburu has joined the team at RAL as the Canadian contribution to the ICC.
Toshinobu Takagi is leaving Imperial College to take up an ASTRO-F post at Kent University.

2. MEETINGS AND THEIR CONCLUSIONS

Date	Location	Meeting	Comments
7 May	IC	ICC software development team meeting #9	
4-6 Jun	Seville	IA Conclave #2	SG, TL, RG, HB, MH attended
10 Jun	ESOC	HGSSE #23	SS attended
12 Jun	Cardiff	ICC meeting	Principally a work package review

3. ACTIVITIES

3.1 General

- Supported system testing of HCSS 0.1.3 release candidate at RAL.
- Performed acceptance test of HCSS 0.1.3 release candidates.
- EGSE integration.
- Continuing with OBS tests.
- Remote testing of the Canadian Test Fourier Transform Spectrometer (TFTS). This involved the EGSE router running at the University of Lethbridge, with the EGSE Gateway and SCOS at RAL.
- Refinement of QLA/AVM components.
- QLA/AVM 1.2 released
- QLA/CQM components under development.
- QLA data product definition.
- Continuing investigations into database replication.
- Definition of calibration tables and conversion curves.

3.2 Training

An EGSE training week was held at RAL in the week of 23-27 June. This included a day of presentations as well as hands-on sessions using the ICC systems, principally SCOS-2000/TOPE, HCSS and QLA. Participants were: Sarah Leeks (ESTEC), Bernhard Schulz (IPAC), Samuel Ronayette, Asier Aramburu, Bruce Swinyard, Ken King, Dave Smith, Sunil Sidher, Steve Guest, Tanya Lim (all RAL).

3.3 HCSS activities

3.3.1 TC History/OOL

- Refactoring to support unit testing.

3.3.2 Access

- SPR-0301: closed
- SCR-0345: DataSelector made more configurable
- SPR-0368: Analysis provided for RTA Playback problem. Actual fix implemented by Craig Porrett in SG's absence.

3.3.3 IA Framework

- Further evolution of framework for context-sensitive help, printing, image saving etc. This effort is now covered by a common IA work package (GFUNCn).
- Prototypes of products and tabular datasets produced.
- Plotting performance testing and requirements definition.

3.3.4 Data Frame Generator

No activity.

4. CRITICAL AREAS, CONCERNS, UPCOMING EVENTS

4.1 Critical Areas

- The first version of QLA to support the CQM is due August 25th. This requires currently unavailable functionality of the IA framework including:
  - o Saving products as persistent objects
  - o More plotting functionality unless we continue to use VisAD for it

4.2 Concerns

- Funding problems continue to make attendance at meetings extremely difficult.
- The SPIRE ICC has lost or is in the process of losing half of its software development effort. Development is currently proceeding as planned on a best-efforts basis whilst replacement effort is awaited.
- Much IA framework functionality continues to lag behind when it is actually needed. Consequently we continue to have to prototype items ourselves, resulting in either loss of commonality or more work to retrofit it later.
- It is difficult to see how we can continue to install developer builds if they contain no schema evolution support. *It should be clearly flagged when the schema is changed* (no nasty surprises). It might be easier to manually patch the installed user build for any crucial bug fixes.
- There is an issue with using the Logica patch with later versions of SCOS. At present we rely on the goodwill of Serge Valera.

4.3 Upcoming Events

Date	Location	Event	Comments
2 July	telecon	IA-WG#14	
9-10 July	RAL	Instrument Hardware Design Review	
16 July	RAL	ICC software development team meeting #10	
6 Aug	SRON	IA-WG #15	

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| 10-11 Sep | Leuven | CSDT#18 | |
| 7-8 Oct | Porquerolles | SPIRE Consortium meeting | |

SG/SS, 3rd July 2003