1. STAFFING

No changes.

2. MEETINGS AND THEIR CONCLUSIONS

Date	Location	Meeting	Comments
7 Mar	IC	ICC Definition Team Meeting	
8 Mar	IC	ICC Software Development Team Meeting #1	First meeting of the ISDT (developing QLA)
15 Apr	IC	ISDT meeting #2	
16 Apr	IC	ICC Definition Team Meeting	
17 April	ESTEC	HCSS Open Issues Meeting	Including discussion on organisation of TCHistory & OOL objects
25 April	ESOC	HGSSE#18	Sunil Sidher and Matthew Graham attending

3. ACTIVITIES

3.1 General

- QLA development. The QLA is being developed by the ICC Software Development Team (ISDT). This is a distributed development with members from RAL, IC, Saclay and Trieste. A first version to support the AVM tests is expected to be ready in June.
- Engineering simulator development. This simulator is being developed to support QLA testing.
- Preparation for the SPIRE ICC Review to be held at the University of Sussex (Brighton).
- Installation and configuration S2K release 2.1.1e (ESOC version) on a Sun Ultra 10 running Solaris 2.6. Integration of S2K 2.1.1e with the router and the EGSE gateway. Succeeded in sending commands from S2K, via the router and EGSE gateway, to the SPIRE simulator.
- Preparation of a preliminary version of the SPIRE MIB for use in testing of S2K 2.1.1e and the Logica supplied packet retrieval patch. Tests are still ongoing.
- IA Tiger team work

3.2 Training

None this month.

3.3 HCSS activities

3.3.1 TC History/OOL

Matthew Graham visited RAL at the start of the month to test the Logica patch to SCOS v2.1.1e and verified that it is possible to request and retrieve TC History and OOL report files via TCP/IP. The ingestion/association mechanisms were tested with files created according to ICD-3 and ICD-5. The handling of unassociated TC History and OOL was a topic at the open issues meeting at ESTEC and has still to be implemented.

Following April's HGSSE, it has been confirmed that:

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- The Terma patch for SCOS-2000 to provide the TCID functionality will appear in SCOS v2.3e (due date around June);
- The Logica patch to include TCID in the TC History file is incompatible with the Terma development (it just places a default null character in the TCID) and a minor amount of work needs to be done by someone to the make it compatible, i.e. to ensure that it actually gets the real TCID.

This means that TC History ingestion will not work until these two are in place, working together and tested (June/July?). This effectively means that TC History will not be in HCSS v0.1.

It is possible that OOL ingestion could be but it is still untested as far as a complete retrieval of real test data out of SCOS-2000 and ingestion into a properly set-up database is concerned.

3.3.2 Access

- Various changes made following the HCSS review. The package has now been brought into line with HCSS conventions.
- Problems uncovered by test harnesses fixed. These were due to incompatibilities with, first, a new version of the telemetry source packet class, and then with a new version of the store package.
- Major revamp of the utility package, mainly improvements to a customisable data access GUI component in order to support QLA.

3.3.3 Data Frame Generator

The data frame generator for SPIRE will not be in HCSS 0.1. The QLA operates directly from telemetry packets. The part of QLA that deconstructs packets and constructs timelines will form the basis of a data frame generator when it is stable and tested.

4. CRITICAL AREAS, CONCERNS, UPCOMING EVENTS

4.1 Critical Areas

➢ HCSS 0.1
➢ QLA-AVM due beginning of June

4.2 Concerns

The use of HCSS software "in anger" is now ramping up and various problems are now coming to light. This process will accelerate as the ICC moves into instrument testing. How will fixes be provided on the necessary short timescale whilst maintaining a stable (i.e. not chaotically evolving) system?

The planned rollout of HCSS 0.1 coincides with a peak period of QLA development.

4.3 Upcoming Events

Date	Location	Event	Comments
13-14 May	University of Sussex	SPIRE ICC Review	
15 May	RAL	ISDT meeting #3	

SG, 3rd May 2002

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