

Meeting of SPIRE ICC definition team at ICSTM 9th June 2000 10am

Present

Trevor Dimbylow	(RAL)
Ken King	(RAL)
Neal Todd	(ICSTM)
Jean-Paul Baluteau	(LAS)
Matt Fox	(ICSTM)
Seb Oliver (Chair)	(Sussex)
Walter Gear	(Cardiff)
Sunil Sidher	(RAL)
Gillian Wright	(ATC)
Marc Sauvage	(CEA)

Minutes

The minutes of the previous meeting (SPIRE-RAL-MOM-000388) were approved.

Matters Arising

- a. Action AI-IDT-000388-01 to get the top level SCUBA documents (Walter)

Walter reported that the SCUBA top level documents were in Hawaii and no longer existed in machine readable form. Action still open to get photocopies of these sent over. Gillian had also spoken to Dennis Kelly at the ATC who would write some documents summarising how things were done for SCUBA (AI-IDT-0009??-01).

- b. Action AI-IDT-000388-02 discuss demonstration of ORAC with other ICCs (Ken)

Ken had discussed this with with Otto Bauer and Pjotr Roelfsema who were happy to go to Edinburgh for a demonstration Ken and Gillian would liase to find a suitable date. AI-IDT-0009??-02).

- c. Action AI-IDT-000388-03 Matt to consider the organization of the ICC Definition Team and discuss this with relevant people.

Matt had done this and some of these conclusions were discussed next.

Organisation of the ICC Definition Team

Seb explained that the previous meeting, which had been advertised as a data processing definition team meeting, had developed into a more general definition team meeting. This definition team would be defining the priorities for the ICC development and would in all likelihood evolve into the ICC development team. The fragmentation of this team into a number of working groups as had been discussed at the last meeting was felt not to be constructive. In view of the limited resources available for the ICC development the emphasis of the development team had to be on identifying what could and could not be done and the subsequent prioritisation. The definition/development team would be guided by the ICC Scientist and resulting work managed by the ICC development manager.

USER Requirement documents

Seb explained that a meeting to discuss the URD and SIPs the previous week had found that URDs could be closely linked with use-cases, while it was not easy to convert the use-cases directly into a SIP. Gillian, Neal and Trevor argued that this was simply because those use-cases had not been sufficiently developed. Neal then gave a presentation explaining the use-case methodology (view-graphs to be attached). There was some debate about whether use-cases were the best way to proceed in defining the ICC development. Walter and Jean-Paul expressed reservations. Seb was worried that while this definition might be the ideal way to proceed with unlimited resources it might not produce any results on the required time-scales and that a sub-set of the ICC might be developed using this approach to demonstrate the practicality. Gillian argued that such an illustration would really be a “tutorial” in OO method and that the OO method had been demonstrated very effectively in the ATC (who know used it for all software projects). Gillian said that there was an ESO video on using use-cases for OO design and would find out how to get hold of that. It was agreed that a time-line plan for the ICC development was required, but this could be produced by an experienced programmer from the use-cases. It was thus agreed that use-cases should be used to define the ICC, however, these use-cases would be drawn up by a sub-team on the basis of a number more “narrative” style User Requirement Documents.

The meeting drew up a list of these Documents and assigned names to each:

1. ICC as a whole system Neal
2. Photometer processing Walter/Seb
3. FTS processing Jean-Paul
4. AIV requirements (ILT, IST etc) Bruce/Ken
5. Calibration requirements Seb
6. Instrument operation Gillian
7. SPIRE consortium Seb
8. FSC Neal

9. Astronomical Observation preparation Marc

This URD describes the requirements put on the ICC by the need to be able to prepare astronomical observations using the Instrument. Those preparing observations might be ICC calibration scientists, or astronomers interacting with the ICC via the FSC.

10. Other ICCs Marc

11. MOC Trevor

12. Instrument engineering Gillian

13. Public Seb

14. Common Uplink System Sunil

15. On board software Sunil

16. Instrument simulator (?) Marc

AI-IDT-0009??-03- AI-IDT-0009??-18 (on document coordinators) each person responsible for each of these documents would produce a paragraph describing the scope of that URD document (with the level of detail given in the example of 9: Astronomical Observation Preparation). Deadline 14th June

Neal would then collate these paragraphs to produce a single document.

AI-IDT-0009??-19

These URDs would then be written, with each coordinator calling upon those individuals and documents they thought necessary to complete the task. AI-IDT-0009??-20-35 Drafts to be circulated within the ICC definition team and Software Implementation team as soon as possible, but in all cases the first draft to be circulated by end of July. End of September for first version of all URDs

Since a number of the URDs would be based heavily on existing documents and be ready earlier it was thus possible and necessary to produce the resulting use-cases in parallel. In order to achieve a breakdown and costing at end of October. AI-IDT-0009??-36 (Software implementation team to start breaking URDs into use-cases as they arrive)

Trevor to put together relevant existing documents and place on ftp site (by Monday 12th June) AI-IDT-0009??-37.

Seb to put the discussion from this meeting into a plan for ICC development over the next ~6months to be presented at Consortium meeting. Draft by Tuesday 20th June, comments expected by 23rd. AI-IDT-0009??-38.

AI-IDT-0009??-39 Minutes of this to be circulated by Monday.

There was a discussion about who was available for converting URDs into use-cases (the software implementation team): this was Neal, Matthew, Sunil, some at Edinburgh with some contributions from Trevor & Seb. Marc reported that CEA had currently about 1 f.t.e. but not for writing use-cases.

Next meeting 10th of August at Sussex.

A.O.B.

Seb pointed out he still could not access DMS from Sussex and would forward his DMS correspondence to Ken who would take it up with ESA [AI-IDT-0009??-40](#)