

# ICC definition Team Meeting

## Minutes

17th January 2001  
University of Sussex  
Arts E419 10.15-1.20  
Arts E409 2.00-5.50

### Present:

Gillian Wright,  
Neal Todd,  
Seb Oliver,  
Sunil Sidher,  
Ken King,  
Steve Guest  
Marc Sauvage

### 1. Minutes from 7th December 2000 meeting

The minutes were approved

### 2. Matter Arrising

Revised or outstanding Action Items:

ACTION on Ken to circulate date of meeting between Ken, Bruce and key ICC people.

Live-link ACTION open. Awaiting user accounts with write access. A SPIRE Read account was available with Username: spirero Password: Griffin

ACTION: Gillian to send URDS to Seb by end of week.

ACTION: Seb to tar pdf's together next Wed.

ACTION: Seb to fix broken CUS URD URL

ACTION on Ken to advertise review need panel

Seb to take on Trevor's ACTION to write up review plan for advertisement to be sent to Ken by Monday

ACTION Ken pick a date for review after consultation with Bruce, Matt, Walter, Jean-Paul

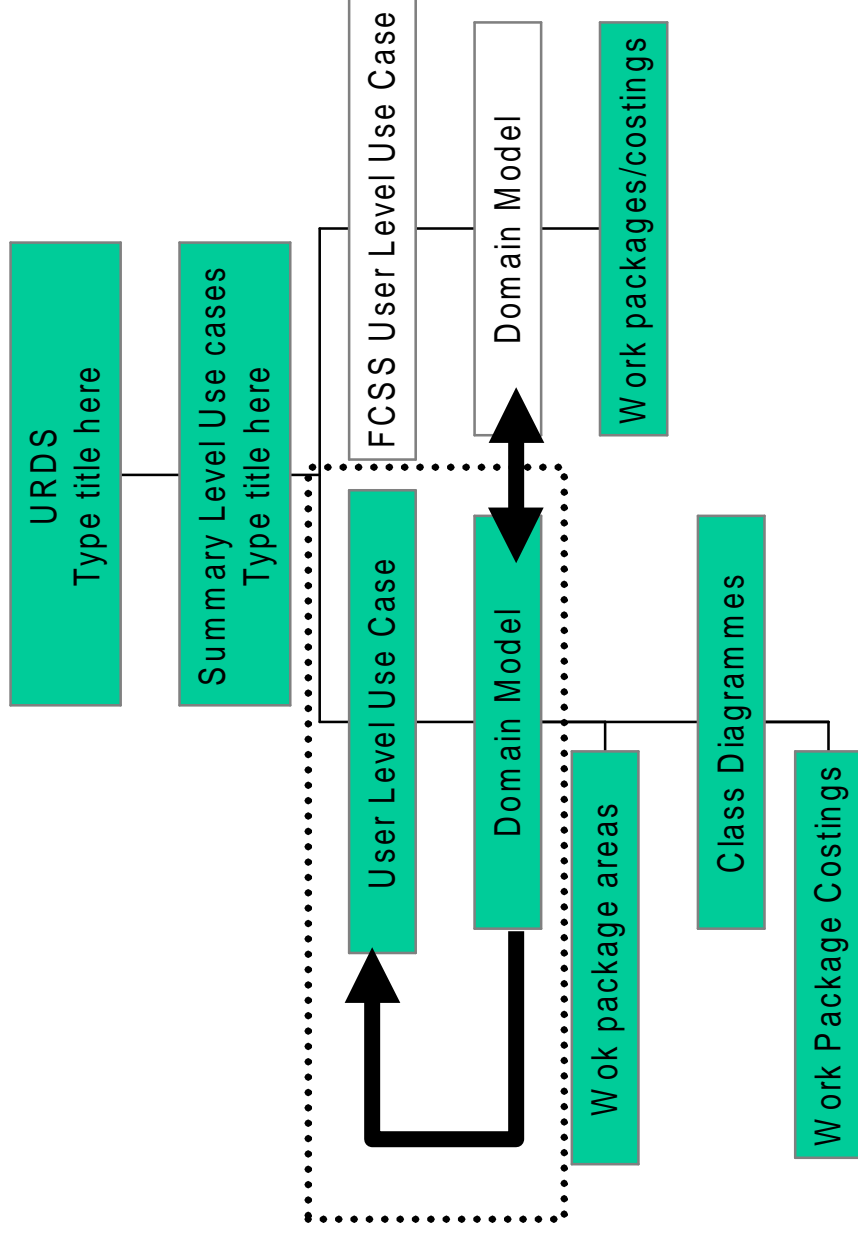
Action still open on Trevor to sort out management Work Package

Action 17 open: circulate institutes

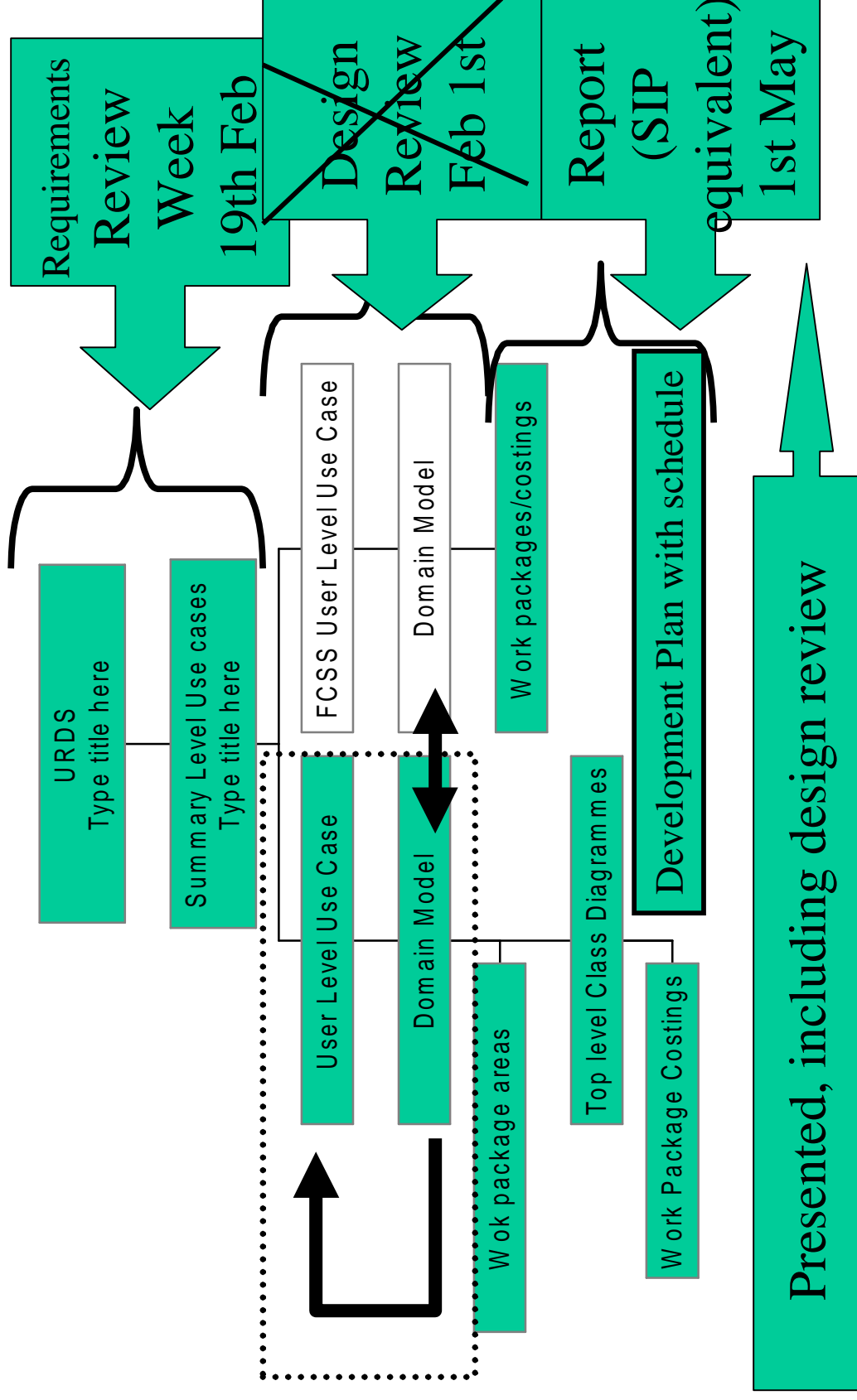
Action 18 Seb to retract invite to Co-Is to review document and advertise the Review.

Action: reviewers had been circulated but now need to review FCSS TN.

# SPIRE ICC Development plan



# SPIRE ICC Reviews



### 3. Java Training Course

Christophe, Neal, Matt, Tanya, Huw Morris, Bruce, Sunil were due to attend and knew what they are doing. Steve, suggested that the people on the course have a small project to develop their new skills. One suggestion was to repeat client-server IDL thing that Neal et al. did.

1. Move object from OO database taking it somewhere else
2. Read data in, display, react to user input, output revised data

Leave it to people on the course to decide what task they might be able to do during and after it.

ACTION: Java Attendees to decide a suitable mini-project in order to develop their skills after their course.

### 4. Reports on Status of URDs

Authors should keep the URDs up-to-date and respond to comments from reviewers, but we need a fixed version. This would be packed together by Seb, but there would still be opportunities to revise or comment on URDs for requirements in time for the review.

### 5. Prepare development plan for review

#### ***Overall design plan***

A morning session had established a high level design plan which would be presented at the review meeting. Draft attached.

#### ***Summary Level Use-Cases***

The next stage on from the URDs is to produce Summary Level Use-cases. Neal and Trevor have had an initial meeting to begin this process. It requires people with experience and knowledge of FCSS.

Agreed that Neal, Trevor, Sunil and Steve would meet for 2 days Tuesday and Wednesday 30-31<sup>st</sup> January. The output would be summary level use-cases split into those covered by the FCSS and those that were new together with priorities especially the “core” summary use-cases. Also required was a matrix linking use-cases to URDs. A bi-product would be feedback on URDs to authors.

#### ***Calendar***

| Date                                | Activity / Deadline   | People                              | Notes |
|-------------------------------------|---|-------------------------------------|-------|
| Tue/Wed 30-31 <sup>st</sup> January | Summary Level Use-Case Meeting                                    | Neal, Trevor, Sunil, Steve          |       |
| Friday 2 <sup>nd</sup> February     | Circulate Output of Use-case meeting                              | Neal, Trevor                        |       |
| Friday 9 <sup>th</sup> February     | Comments on summary level use-cases & matrix                      | All ICC DT                          |       |
| Friday 9 <sup>th</sup> February     | Final URDs for review   | URD authors & reviewers             |       |
| Wednesday 14 <sup>th</sup> Feb      | Final summary level use cases and URDs circulated with cover note | Neal, Trevor, Seb                   |       |
| Friday 16 <sup>th</sup> Feb         | Review Presentations to be prepared                               | All those making presentations      |       |
| Week of 19 <sup>th</sup> Feb        | Review  | All those making presentations plus |       |

|                               |  |  |  |
|-------------------------------|--|--|--|
|                               |  | whoever else wants to come   |  |
| Last week of Feb              | ICC Definition Team meeting  | ICC Def. Team  |  |
| 1 <sup>st</sup> Week of March | 1 <sup>st</sup> Domain model meeting (ATC). Output: Tasks for next month           | Neal, Steve, Sunil, Matt, Giovanni (TBC), ATC person TBC.  |  |
| Last Week of March            | 2 <sup>nd</sup> Domain Model Meeting (ICSTM). Output domain model and workpackages | Neal, Steve, Sunil, Matt, Giovanni (TBC), ATC person TBC, Trevor ATC OO corstings expert. Contributions from Seb and Tim |  |

ACTION: All output from this meeting would be circulated for comments from ICC DT Friday 2<sup>nd</sup> Feb.

ACTION Neal & Trevor to pull together all relevant FCSS material and put on SPIRE WWW page

ACTION All one week to read and make comments on output by Friday 9<sup>th</sup> Feb. URD authors to update their as necessary. Final URDs Friday 9<sup>th</sup> Feb.

Summary level use-cases to be updated and send out with final URDs and cover note from Seb: Wednesday 14<sup>th</sup> Feb.

Review next week.

Prepare presentations: by Friday 16<sup>th</sup> Feb.

## ***Draft Agenda for Review***

| To be held at ICSTM in week of 19 <sup>th</sup> Feburary |          |  |                     |
|--|----------|--|---------------------|
| Time   | duration | Description  | Person(s)           |
| 13:00  | 10m      | Welcome  | Seb                 |
| 13:10  | 30m      | Overview purpose of review   | Seb                 |
| 13:40  | 30m      | Ground segment introducing FCSS concept  | Neal/Sunil          |
| 14:10  | 30m      | OO Design Concept explanation [actors/use-cases/ domain models/ class diagrammes]<br>Inc. SPIRE – ICC plan | Gillian/Neal/Trevor |
| 14:40  | 30m      | URDS [scope + format]  | Marc                |
| 15:10  | 30m      | Actors [List + e.g. descriptions]  | Marc                |
| 15:10-17:00  | 200m     | Summary Level Use-cases[~1 slide per use-  | Neal/Sunil          |

|             |     |  |              |
|-------------|-----|--|--------------|
| 09:30-11:00 |     | case also Matrix relating use-cases --> URDs |              |
| 11:00-11:10 | 10m | Summary Schedule                             | Trevor       |
| 12:00-13:00 |     | Report                                       | Review Board |

## ***Review Proposed Attendees***

### **Board**

We discussed who should be on the board. We decided that though this is a SPIRE exercise it would be appropriate to have some outsiders, for their knowledge and experience, rather than as representatives of their institutions.

Kevin Galloway

ATC head of software engineering.

Walter,

Jean-Paul,

Bruce,

Pjotr,

Laurent (or nominee) .

ACTION Seb to talk to these people to see if they are happy to review and with proposed week.

### **Invitations**

A much wider list of people would be invited to attend.

All SPIRE co-is

All Project managers

Some Estec people Goron (HSC) & Pierre (Project)

Some ICC people Pjotr, Otto.

## **Going from Summary Level use-cases to Domain model**

We discussed how to progress from the Summary Level use-cases to the Domain model. It was decided that this was best achieved via an intensive one month period of activity. This would begin with a meeting of about one month and end with a concluding meeting of about one week. This would be followed by an ICC Definition Team meeting 9<sup>th</sup> – 13th Week April

Meeting 1 week beginning of March

Location: ATC (probably)

Output: tasks for participants for rest of month.

Participants: Neal, Steve, Sunil, Matt, Giovanni (TBC), ATC person TBC.

Meeting 1 week end of March

Output: domain model + work packages

Location: ICSTM (probably)

Participants: Neal, Steve, Sunil, Matt, ATC person, Giovanni(TBC) + Trevor + ATC person (OO-Costings expert)?+ contributions from Seb, Tim

## 6. AOB

### ***Experts on call During March to May***

Need people with expertise to be able to call on. These experts need to respond immediately, a list of experts was drawn up, though only those at the meeting could confirm their willingness.

|   |                          |
|---|--------------------------|
| Instrument  | Bruce, Ken, Matt Griffin |
| Photometer processing                             | Seb, Walter, Gillian     |
| FTS experience                                    | Jean-Paul, Christophe?   |
| Satellite Observation modes etc. (ISO experience) | Marc, Sunil              |
| Calibration                                       | Marc, Tanya (TBC)        |
| Computer/technical experts                        | Steve, Marc              |

### ***Justification for choice of Java***

Justification for choice of Java as language for ICC should be assembled into one place  
ACTION Trevor

icc\_review\_mes1.txt

Dear Potential SPIRE ICC reviewer,

As you are no doubt aware the FIRST ground segment marks a departure from the traditional ESA model. The instruments must make a very significant contribution to the overall ground segment in the form of an Instrument Control Centre (ICC).

The design of the SPIRE ICC has been progressing alongside the development of a co-ordinated ground segment plan involving the FS C, MOC and other ICCs. This has been an interesting experience as all parties have had to ensure that they have the same understanding of their roles in this unfamiliar landscape!

The design of the ground segment and the role of the SPIRE ICC within this has reached a sufficient level of maturity that we feel it is appropriate for it to be reviewed internally (primarily by SPIRE users). This review will be of the high level requirements and overall design concept. The SPIRE Instrument Control Centre is just about to launch into an intensive period of detailed design and feedback at this stage is especially important.

During the review the SPIRE ICC Definition Team will explain; the role of the ICC within the ground segment as a whole; the requirements that we are expecting to meet; and the method we are adopting to ensure that we meet those requirements. As a reviewer we will hope that you can use your expertise and experience as an astronomer and/or instrumentalist to detect any functions or requirements that we may have overlooked or any weaknesses potential or apparent in our current high level design. The results of this review will be used immediately to facilitate the SPIRE ICC development and also be supplied as feedback to the design of the ground segment as a whole.

As a reviewer we would hope that you can digest several documents and attend a review meeting spread over the afternoon and morning of two days, reporting back at the end of the session. The suggestion is that this review would take place during the week starting 19th



icc\_review\_mes1.txt

Februaray 2001.

Attached to this message is a draft agenda for that meeting.

I hope you will be able to assist us in this exercise. Please could you let me know as soon as possible whether you will be able to, and which dates in the week of 19th Feb. suit you best.

Many thanks, .

Seb Oliver  
(SPIRE ICC Scientist, on behalf of the SPIRE ICC definition Team)

|                       |   |
|-----------------------|---|
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| ex.html               |   |