

SPIRE ICC

User Requirements Documents
Outreach

Written by: S.J. Oliver

Draft 1

Wednesday, 02 August 2000

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1 Introduction

1.1 Purpose & Scope

Requirements put on the ICC by the need to interact with the general public. These might include the provision of WWW pages or other publicity material. Most of this interaction will be via the FSC, in the first instance at least (i.e., the public has no direct first contact with the ICC).

1.2 Definitions of Terms and Acronyms

This may not be too crucial for us but probably a good habit to get into.

FIRST Far InfraRed and Submillimetre Telescope

SPIRE The Spectral and Photometric Imaging REceiver for FIRST

ICC	Instrument Control Centre
URD	User Requirement Document
WWW	World Wide Web
FSC	First Science Centre
ESA	European Space Agency
PST	?

1.3 Related Documents

RD-1	SPIRE ICC URD Scope Document
RD-2	FIRST-FSC URD
RD-3	FIRST-FSC General Public actor description (A5?)
RD-4	FIRST-FSC General Public uses cases (FSC-UCF 91, 92 and 93)

1.4 Overview

This document first describes the **users** relating to the SPIRE ICCs interaction with the general public and then the **requirements** they make on the ICC.

2 User Characteristics

2.1 The general public

The general public may (mostly indirectly) use the system to get SPIRE general information. This will include information on the instrument, its objectives and achievements in a clear and concise way as well as on educational aspects (e.g., material for schools and planetariums, explanations to understand SPIRE science in a more general astronomy context).

[adapted from RD-2]

The General Public is interested in scientific conclusions and results deduced from FIRST data. Results may be in the form of images, spectra and textual information. The general public may want to learn about press-conferences related to FIRST-results and retrieve images/spectra/textual information via a browser. The PST brings the information for the General Public on the WWW and makes links to the ESA PR service WWW-pages.

[taken from RD-3]

The General Public might also be interested in specialist but non-astronomical aspects of the instrument e.g. technical specifications or financial.

2.1.1 **General Public: Journalist**

2.1.2 **General Public: Educator**

2.1.3 **General Public: Lay Adult**

2.1.4 **General Public: Lay Child**

2.1.5 **General Public: Amateur Astronomer**

2.1.6 **General Public: Politician**

2.2 The FIRST Science Centre

In general the FSC will be the first point of contact for the public. The FSC will request information from the ICC to assist in its responsibility to provide information to the public.

The FSC will also be the main conduit through which the ICC will pass information it would like made known to the public.

2.3 The SPIRE Consortium

The SPIRE consortium is the most likely source of scientific information relating specifically to SPIRE. The SPIRE consortium may decide that a scientific result or technological breakthrough relevant to SPIRE is suitable/desirable for promotion to the General Public (whether or not the result was generated within the consortium). Requests for scientific or technical information relating to SPIRE will ultimately be answered by the consortium.

3 Requirements

3.1 Reactive Requirements

3.1.1 *Press Releases*

The SPIRE ICC may be requested (by FSC) to assist in generating Press Releases to accompany e.g. publication of science articles using SPIRE. This assistance might take the form of proof reading, or providing instrument specific expertise.

1. **Source** FSC-UCF-91/92/93
2. **Importance/Priority** Medium
3. **Risk** Low
4. **Phase** Mainly post-launch and immediately pre-launch

3.1.2 *Public WWW pages*

The SPIRE ICC may be requested (by FSC) to assist in generating permanent Public WWW pages. This assistance might take the form of proof reading or providing instrument specific expertise.

1. **Source** FSC-UCF-91/92/93
2. **Importance/Priority** Medium
3. **Risk** Low
4. **Phase** late development

3.1.3 *Other outreach*

The SPIRE ICC might be requested (by the FSC) to assist in other outreach activities (e.g. public talks, educational tools, commissioning PR products). This assistance might take the form of proof reading, locating text/images or providing instrument specific expertise.

1. **Source** FSC-UCF-91/92/93
2. **Importance/Priority** Medium
3. **Risk** Low
4. **Phase** late development

3.2 Proactive Requirements

3.2.1 *Press Releases*

The SPIRE ICC (prompted by the SPIRE consortium) might decide to initiate a Press Release. There needs to be a suitable mechanism to do this.

1. **Source** here
2. **Importance/Priority** Medium
3. **Risk** Low
4. **Phase** Mainly post-launch and immediately pre-launch

3.2.2 Public WWW pages

The SPIRE ICC might decide that it wants its own public WWW pages.

1. **Source** here
2. **Importance/Priority** Medium
3. **Risk** Low
4. **Phase** development

3.2.3 Other Outreach

The SPIRE ICC might want to undertake other Outreach initiatives (e.g. to satisfy internal funding authorities). This might include educational tools, posters etc. It might be worth noting where other ICC activities could be adapted for Outreach with minimal effort.

1. **Source** here
2. **Importance/Priority** Medium
3. **Risk** Low
4. **Phase** development