Open Software Foundation
Request For Comments: <X>.<Y>
<Month> <Year>

<I. Author1> (<Company1>)
<I. Author2> (<Company2>)

DCE 1.2 <COMPONENT>
FUNCTIONAL SPECIFICATION

1. INTRODUCTION

The first paragraph of the Introduction should be in the form of an *abstract*, i.e., a brief description of the component or subsystem being specified.[1]

The remainder of the Introduction introduces the component or subsystem being specified at a greater level of detail than the abstract in the first paragraph.

1.1. Changes Since Last Publication

If this is a revision of a previous version, give a list of changes.

2. TARGET

Indications of for whom this technology is being built and how it is supposed to be used.

3. GOALS AND NON-GOALS

Define the scope of the technology.

4. TERMINOLOGY

Definitions of all ‘‘new’’ terms used within this document. Use a list like the following:

(a) **TermOne**

This term means something.

(b) **TermTwo**

This term means something else.

5. REQUIREMENTS

Discusses areas such as security, portability, and internationalization that must be addressed by this technology. This could be a list, or just a general discussion, as appropriate.

6. FUNCTIONAL DEFINITION

Specifies the functional characteristics and features of the component or subsystem. Normally, this will be the most substantial section of the document.

7. DATA STRUCTURES

Details any data structures that are to be exposed to the user of this component/technology.

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1. Note that the formatting conventions of OSF RFC’s are in effect, especially the use of *macros* that simultaneously support ASCII and PostScript. See [RFC 0.1] for details on those. For an actual example of an RFC having the outline shown here, see [RFC 41.2]. (However, that RFC used an earlier version of the RFC macros — again, see [RFC 0.1] for details.)

8. USER INTERFACES

Descriptions of how users of the component will interact with the executed code to produce the expected function. This should include both command line interfaces and graphic user interfaces.

9. API'S

Details the interfaces to the modules that will be available to users of this component/subsystem.

10. REMOTE INTERFACES

In a client/server model, a description of the services which may be invoked across network interfaces. In particular, any RPC interfaces should be specified by their IDL/ACF interface descriptions. Remote interfaces not described by IDL should provide detailed definition including an octet-level description of the wire format and a protocol state machine.

11. MANAGEMENT INTERFACES

Details how the component is configured, started, monitored, stopped, etc. Should specify all user interfaces, local API's, and remote interfaces pertinent to management. This section should also describe how the component will modify the existing `dce_config` management tool.

12. RESTRICTIONS AND LIMITATIONS

Notes the restrictions and limitations of this technology, including system resource consumption limits.

13. OTHER COMPONENT DEPENDENCIES

Notes the dependencies between this and other components/subsystems. Explicitly describe the use of any existing or proposed DCE APIs or remote interfaces. Describe any use or extension of existing DCE databases, such as naming or security.

14. COMPATIBILITY

Details the compatibility of this design with past designs/work. There should be explicit descriptions of how this component will diverge from existing DCE 1.0/1.1 implementations.

15. STANDARDS

Notes the standards being followed/used by this component/subsystem.

16. OPEN ISSUES

Make a list all known open issues.

APPENDIX A. THIS IS AN APPENDIX

Any desired appendices go here.

REFERENCES

List relevant documents, in a list like the following:

[RFC 0.1] W. Tuvell, ''OSF-RFC Template and Style Guide'', October 1994.

[RFC 41.2] M. Romagna, R. Mackey, ''RPC Runtime Support for I18N Characters — Functional Specification'', November 1994.

AUTHORS' ADDRESSES

<Iman> <Author1>
<Company1>
<Street Address>
<City>, <ST> <Zip>
<Country>
Internet email: <iman1>@<company1>.com
Telephone: +1-xxx-yyy-zzzz

<Iman> <Author2>
<Company2>
<Street Address>
<City>, <ST> <Zip>
<Country>
Internet email: <iman2>@<company2>.com
Telephone: +1-xxx-yyy-zzzz