

# Plan for DSA1.5 - The cook book

v 169.1 - Alistair Mills - 25 June 2007

## Introduction

The purpose of this note is to provide details of the plan for writing DSA1.5, the cookbook. This deliverable is seen as being a key deliverable of the activity during EGEE-II. Although it is the responsibility of Kai in Barcelona to edit it and get it accepted, we should all contribute where we can to getting this written. The proposed ToC is available in the EDMS folder:

<https://edms.cern.ch/document/726257>

The real content of the cook book will be contained in chapters 4 to 6. The other chapters are best written at the end. Ian Bird often gets involved at this time, and makes a considerable contribution to adding value to the detail.

## Plan for chapter 4

Nick and Maite have agreed to deal with this chapter.

## Plan for chapter 5 of DSA1.5

- One of the ideas of the cook book is to tell people making grids after us about some of lessons we have learned.
- Another idea is to document where we are with the major organisations and tools of the activity.
- We should avoid recycling text, and we should point to things which already exist.
- In asking for a contribution from the various teams, I am looking for references, and a small amount of text. However the lessons learned can be more detailed.
- I am asking for help from teams dealing with CIC/ GOC/ SAM/ Gridview/ Gstat/ GridIce/ APEL. The whole chapter should be fewer than 20 pages, so 1-2 pages per tool is all that it is required.

|                                   |                                  |
|-----------------------------------|----------------------------------|
| 5 OPERATIONS MANAGEMENT           | Alistair                         |
| 5.1 INTRODUCTION                  | Alistair                         |
| 5.2 ORGANISATIONS OF THE ACTIVITY |                                  |
| - OMC                             | Alistair                         |
| - ROCs                            | Alistair                         |
| 5.3 ACTIVITY WIDE WORK            |                                  |
| - GGUS and its associated work    | Alistair/ Torsten                |
| - CIC and its associated work     | Helene/ Gilles                   |
| 5.4 TOOLS IN USE                  |                                  |
| - GGUS portal                     | Alistair/ Torsten                |
| - CIC portal                      | Helene/ Gilles                   |
| - GOC portal                      | Philippa/ Andy Newton            |
| - GOC-DB                          | Philippa/ Dave Kant              |
| - GridView                        | Zdenek/ one of the Gridview team |
| - SAM                             | Piotr                            |
| - GSTAT                           | Min                              |
| - GridIce                         | Sergio                           |
| - APEL                            | Philippa/ Dave Kant              |
| 5.5 LESSONS LEARNED               |                                  |
| 5.6 CONCLUSIONS                   |                                  |

Lessons learned about the tools (Note that this is work in progress and has yet to be enhanced.)

01 Have a small but focussed team working on the development of any tool

Most of our tools have started off as the initiative of one or two persons at one location. However others have recognised the value of the tool, and as its scope has become bigger it has been necessary to include more people in several locations in both the development and testing of the tool, as well as its deployment and operation.

02 Form a stakeholder group for all tool providers

Good experiences have been obtained with ESC, APG, MIG, and so on.

03 All operational tools should have a reliable failover procedure

Progress has been made with this for GOC-DB, CIC and for GGUS, but this is not complete. Most of the other things have nothing in place, and no plan to provide one.

04 All operational tools should have a well defined change request procedure

Work has started on this, but it will not be complete for sometime.

05 All operational tools should have a schedule of routine upgrades

It is important that the tools do not change from day to day and that changes are only made when required and that people using these tools are aware of these changes.

06 Have a test version of each tool

It is useful to have a test version of a tool, so that new functionality can be seen and tested before the production tool is updated.

07 Use of service verifications

Before an upgraded tool is put into service it should be tested with a service verification. This service verification should verify that the tool is working in an appropriate way before being committed to service.

08 Always have a roll-back plan for an upgrade

An upgrade should not be implemented without a plan for being able to get back to the initial condition easily.

09 Document the maintenance of the tools

It is not sufficient to prepare a tool for use, it also has to be prepared for maintenance. It is there necessary to document the maintenance of the tool, so that maintenance can be passed from one person to another in an efficient manner.

10 Document the interactions between the systems

If a tool interacts with systems on other sites, then sometimes this is quite simple as the implementation may be the same on all sites. However sometimes this is not the same and the interactions may not be at all obvious and may vary quite remarkably from one site to another. For example, GSTAT is simple (say why), and GGUS is quite complex (say why).

***Plan for chapter 6***

Kai will deal with this chapter.

- the end -