

1 Quarterly report for the SA1 Activity
2
3 Comments about this version
4
5 1) This document will be word processed to comply with the EGEE project requirements, once its content
has been agreed.
6
7 2) There is no glossary. If necessary we will add one. I hope that the EGEE glossary is sufficient.
8
9 3) Section 1.4 requires considerable detail to be added by CERN Alistair/ Ian
10
11 4) All ROCs should read this and comment by Tuesday 29/06/04.
12
13 5) SEE may like to express concerns in section 3.1.1 about the reference platform.
14
15 6) Section 4 requires some work
16
17 7) All ROCs should provide upto date information for inclusion in the tables, ie the value of the
parameters x, y, a, b, and any other relevant facts.
18
19 8) The project office are to provide information for inclusion in section 7 of this report.
20
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27 CERN
28
29 Version 0.2
30 20 June 2004
31
32 Audience
33 Directly: The technical director of EGEE and his staff (Bob Jones et al)
34 Indirectly: The European Union
35
36 Preamble
37 We have prepared this report for delivery in early July 2004. We would appreciate feedback on its
content. We will welcome the opportunity to simplify it! We will not welcome the opportunity to
enlarge it considerably! The report covers the first quarterly period of the EGEE activity (April
2004-June 2004).

38
39 1. TECHNICAL ACHIEVEMENT OF THE SA1 ACTIVITY
40
41 1.1. CURRENT SITUATION
42 The current situation in the activity is one of settling down. Many of the people working in the
activity are new not only to EGEE but also to their partner. There have also been a large number of
people who have moved home (in some cases internationally) in order to join the project. It is
therefore inevitable that different people are moving at different speeds. There are some who are
frustrated by what they perceive of as lack of progress of the activity, while there are others who
are bewildered by the changes which are going on around them.
43
44 In summary, the activity has got off to a good start, and although there are some concerns expressed
in this report (section 3), there are no major issues or warnings being sounded.
45
46 1.2. TASKS DETAILED DESCRIPTION
47 The execution plan provides detail on the tasks for the activity. It is not intended to repeat this
information in this report. At its simplest, the task break down is simply three tasks. These are
project initialization (until month 6), grid operations (from month six onwards), and administration.
48
49 1.2.1. Task 1 - Activity initialization
50 Activity initialization refers to the first six months of the activity. It concludes with the first
milestone. It includes two deliverables, the execution plan and the release notes for the initial
grid. Although not a deliverable, the activity is expected to have the initial grid operating. In
order to do this, it is necessary to have the managerial and administrative arrangements in place and
working effectively. In particular, the activity has to create the following operational units:
51
52 1 x OMC;
53 10 x ROC;
54 4 x CIC.
55
56 This task is currently progressing well.
57
58 1.2.2. Task 2 - Grid operations
59 This task is a very large one, and extends from immediately after milestone 1 until the end of the
current phase of the project at project month 24. It includes milestones 2 through 5 (review #1,
fully operational grid, review #2 and review #3). It includes the deliverables 3 through 9 (release
notes #1, accounting system, assessment #1, cookbook #1, release notes #2, cookbook #2, assessment #2
and release notes #3).
60
61 This task does not start until October 2004.
62
63 1.2.3. Task A - Administration
64 The administrative task of the activity is to work with the rest of the EGEE project to ensure that
the project as a whole functions. It is a base task, and it does not have explicit deliverables or
milestones. It does not change over time. It includes the following sub tasks:
65
66 Activity management/Coordination;
67 Coordination with other projects;
68 EGEE conferences;

69 EGEE deliverable review;
70 Dissemination;
71 EGEE publications;
72 EU reviews;
73 Partner tasks;
74 Standardization bodies;
75 Training (trainee);
76 Training (trainer).
77
78 This task is progressing well, although we have concerns which are in section 3 of this report.
79
80 1.3. PRODUCTS DETAILED DESCRIPTION
81 It is not the purpose of SA1 to create products. The purpose of the activity is to create and operate
82 services. However there are nine deliverables. These can be called products.
83
84 Deliverable Lead Due Date Description
85 DSA1.1 CERN M03 06/04 Detailed execution plan for first 15 months of infrastructure
86 operation (execution plan).
87 DSA1.2 INFN M06 09/04 Release notes corresponding to the initial pilot Grid
88 infrastructure operational (release notes #1).
89 DSA1.3 CCLRC M09 12/04 Accounting and reporting web site publicly available (accounting
90 system).
91 DSA1.4 IN2P3 M12 03/05 Assessment of initial infrastructure operation and plan for next
92 12 months (assessment #1).
93 DSA1.5 CERN M14 05/05 First release of EGEE Infrastructure Planning Guide (cookbook #1).
94 DSA1.6 CCRLC M14 05/05 Release notes corresponding to the full production Grid
95 infrastructure operational (release notes #2).
96 DSA1.7 CERN M22 01/06 Updated EGEE Infrastructure Planning Guide (cookbook #2).
97 DSA1.8 IN2P3 M24 03/06 Assessment of production infrastructure operation and outline for
98 sustained operation of EGEE (assessment #2).
99 DSA1.9 INFN M24 03/06 Release notes corresponding to expanded production Grid
100 infrastructure operational (release notes #3).
101
102 1.3.1. Product 1 - The execution plan (deliverable DSA1.1)
103 This is on track for completion on time and on budget at the end of June 2004.
104
105 1.3.2. Product 2 - The release notes #1 (deliverable DSA1.2)
106 This is on track for completion on time and on budget.
107
108 1.3.3. Product 3 - The accounting system (deliverable DSA1.3)
109 This is on track for completion on time and on budget. Due to the Christmas period, and the
110 preparation for the project review which is due in February 2005, this deliverable will have to be
111 ready ahead of schedule. This does not represent a problem.
112
113 1.3.4. Product 4 - The assessment #1 (deliverable DSA1.4)
114 No work has started on this deliverable.
115
116 1.3.5. Product 5 - The cookbook #1 (deliverable DSA1.5)
117 No work has started on this deliverable.
118
119 1.3.6. Product 6 - The release notes #2 (deliverable DSA1.6)
120 No work has started on this deliverable.
121
122 1.3.7. Product 7 - The cookbook #2 (deliverable DSA1.7)
123 No work has started on this deliverable.
124
125 1.3.8. Product 8 - The assessment #2 (deliverable DSA1.8)
126 No work has started on this deliverable.
127
128 1.3.9. Product 9 - The release notes #3 (deliverable DSA1.9)
129 No work has started on this deliverable.
130
131 1.4. SERVICES DETAILED DESCRIPTION
132 This activity is focussed on service. As such it has a number of services. There are three types of
133 services:
134
135 Grid service - a grid with a defined purpose;
136 VO service - a virtual organisation management for use in more than one federation;
137 Support service - a help desk for regional or inter-regional use.
138
139 1.4.1.1. Grid Service 1 - pre-production test bed
140 1.4.1.2. Grid Service 2 - this service
141 1.4.1.3. Grid Service 3 - that service
142
143 1.4.2.1. VO Service 1 - this VO service
144 1.4.2.2. VO Service 2 - that VO service
145
146 1.4.3.1. The CERN Grid helpdesk
147 1.4.3.2. The UK Grid Support Centre
148 1.4.3.3. The FZK Grid Support Centre
149 1.4.3.4. The European Grid Support Centre
150
151 1.5. PARTNERS DETAILED DESCRIPTION
152 This is the list of the principal partners in the activity:
153
154 Federations OMC CIC ROCs RCs Lead partner(s) Leader(s)
155 01 CERN 1 1 - 1 CERN Ian Bird
156 02 France - 1 1 3 IN2P3 Rolf Rumler
157 03 UK/Ireland - 1 2 5 CCLRC/TCD John Gordon/ Brian Coghlan
158 04 Germany/Switzerland - - 1 4 FZK Holger Marten
159 05 Italy - 1 1 4 INFN Cristina Vistoli

| | | | | | | | | |
|-----|-----|----------------|---|---|---|---|----------|---------------------------|
| 149 | 06 | Central Europe | - | - | 1 | 5 | CYFRONET | Aleksander Kuszniir |
| 150 | 07 | Northern | - | - | 2 | 7 | KTH/SARA | Pers Oster/Julius Wolfrat |
| 151 | 08 | South East | - | - | 1 | 5 | GRNET | Ognjen Prnjat |
| 152 | 09 | South West | - | - | 1 | 5 | IFAE | Andreu Pacheco Pages |
| 153 | [10 | Russia | - | 1 | 1 | 8 | IHEP | Yuri Lazin] |

155 1.6. MILESTONES DETAILED DESCRIPTION

156 The following milestones have been defined:

| 158 Milestone | Due | Date | Description |
|---------------|-----|-------|----------------------------------|
| 159 MSAL.1 | M06 | 09/04 | Initial grid operational |
| 160 MSAL.2 | M09 | 12/04 | Review #1 |
| 161 MSAL.3 | M14 | 05/05 | Full production grid operational |
| 162 MSAL.4 | M18 | 09/05 | Review #2 |
| 163 MSAL.5 | M24 | 03/06 | Review #3 |

165 1.6.1. Milestone 1 - Initial grid operational (milestone MSAL.1)

166 This milestone is to have an initial grid operational, and the administrative organisation in place to operate and manage the grid.

167

168 1.6.2. Milestone 2 - Review #1 (milestone MSAL.2)

169 This milestone is an important one which the activity shares with the EGEE project as a whole. The activity will participate fully in the review.

170

171 1.6.3. Milestone 3 - Full production grid operational (milestone MSAL.3)

172 This milestone is to have a fully operational grid in place. It will be necessary to have the administrative organisation in place to operate and manage the grid. It will also be necessary to have documented procedures for many of the tasks which are required to add and remove resource centres, services, users, and so on.

173

174 1.6.4. Milestone 4 - Review #2 (milestone MSAL.4)

175 This milestone is an important one which the activity shares with the EGEE project as a whole. The activity will participate fully in the review.

176

177 1.6.5. Milestone 5 - Review #3 (milestone MSAL.5)

178 This milestone is an important one which the activity shares with the EGEE project as a whole. The activity will participate fully in the review.

179

180 2. STATUS OF DELIVERABLES AND MILESTONES

| 181 Deliverable | Lead | Date | Status |
|-----------------|-------|------|--|
| 182 DSAL.1 | CERN | M03 | This has been written and is currently in the review phase for delivery to the EU. |
| 183 DSAL.2 | INFN | M06 | Documents are currently being written which will form part of this deliverable. |
| 184 DSAL.3 | CCLRC | M09 | A prototype of this system is currently running and being tested and enhanced. |
| 185 DSAL.4 | IN2P3 | M12 | No activity so far. |
| 186 DSAL.5 | CERN | M14 | No activity so far. |
| 187 DSAL.6 | CCRLC | M14 | No activity so far. |
| 188 DSAL.7 | CERN | M22 | No activity so far. |
| 189 DSAL.8 | IN2P3 | M24 | No activity so far. |
| 190 DSAL.9 | INFN | M24 | No activity so far. |

191

| 192 Milestone | Date | Status |
|---------------|------|--|
| 193 MSAL.1 | M06 | The activity expects to meet this milestone on time and on budget. |
| 194 MSAL.2 | M09 | The activity expects to meet this milestone on time and on budget. |
| 195 MSAL.3 | M14 | The activity expects to meet this milestone on time and on budget. |
| 196 MSAL.4 | M18 | The activity expects to meet this milestone on time and on budget. |
| 197 MSAL.5 | M24 | The activity expects to meet this milestone on time and on budget. |

198

199 3. CONCERNS/ ISSUES SUMMARY

200 In reporting issues, we prefer to distinguish between concerns and issues. A concern is something which has been identified, but which does not require immediate action. An issue is something which requires immediate action. Generally, an issue should not suddenly appear; it should have been identified in a previous report as a concern.

201

202 If we report a concern, we intend to document the concern in detail or to provide a reference to a detailed description of the concern. Once a concern has been documented, we shall return to it in the following report either to close it, state the current status, or to upgrade it to an issue.

203

204 If we report an issue, we intend to document our proposed action.

205

206 For example, if a partner were considering exiting the program, we would expect to report it as a concern when the partner had expressed consideration of this action. We would report it as an issue if the partner had expressed an intention of this action. We would also report our intended action to deal with this situation.

207

208 3.1. TECHNICAL CONCERNS/ ISSUES

209

210 3.1.1 Concerns

211 There are no technical concerns at this time? SEE may like to state their position about the reference platform?

212

213 3.1.2 Issues

214 There are no technical issues at this time.

215

216 3.2. PARTNERS' CONCERNS/ ISSUES

217

218 3.2.1 Concerns

219 There are no partner concerns at this time.

220

221 3.2.2 Issues
 222 There are no partner issues at this time.
 223
 224 3.3. RESOURCES AND ORGANISATIONAL CONCERNS/ ISSUES
 225
 226 3.3.1 Concerns
 227 There are concerns about a number of aspects of the project in the following areas:
 228 - the management of the timesheets;
 229 - the complexity of the reporting processes;
 230 - the complexity of the procedures having a deliverable endorsed for delivery;
 231 - the clarity of the project objectives;
 232 - the absence of a project data base.
 233
 234 3.3.1.1 Timesheets
 235 The arrangements for distributing, collecting, and consolidating the timesheets have not worked well. This has consumed a very considerable amount of time and effort, and damaged good relations in some areas. We appreciate the requirement for timesheets and are willing to co-operate with it. We are participating in a project to ensure that the longer term arrangements for the timesheets are simpler and more effective. We hope to be able to report next quarter that this is no longer a concern, but we do not expect this concern to be fully addressed during the quarter, due to the holiday season. We expect it to be closed in Q3 of the project.
 236
 237 3.3.1.2 Reporting
 238 The reporting procedures for the project are very time consuming. This report is an example. It is consuming management time which could otherwise be used for more productive purposes. Our concern is not this report. Our concern is that further documentation requirements will emerge and be mandated on the Activity without consultation.
 239
 240 3.3.1.3 Endorsement of deliverable
 241 The procedures which have been documented to obtain endorsement for a deliverable are onerous and very time consuming. They require a month to complete, and put considerable onus on the moderator for the deliverable. We have agreed to follow these processes during the month of July in order to have the execution plan endorsed. We hope to be able to close this concern in the next quarter, but we reserve the right to escalate it to an issue.
 242
 243 3.3.1.4 Project objectives
 244 The clarity of the project's objectives is not sufficient. At a high level in the project there is clarity about what we are attempting to do. However there is an absence of detail about how this can be done. This is a source of concern to many of the partners.
 245
 246 We are creating a European wide organisation which will be able to:
 247 - operate a wide spread grid using resources at some 50 or more sites;
 248 - a provide a diverse number of applications supported by virtual organisation management;
 249 - add and remove resource centres quickly and easily;
 250 - provide current view of the state of the grid at any time;
 251 - provide support to a user wishing to use the resources of the grid;
 252
 253 3.3.1.5 Project database
 254 This project has a very large number of partners, people, organizations and so on. The following is a conservative list of this information. In the SA1 activity we have to assemble this information, and keep track of much of it. We are currently doing this with a series of spreadsheets. However we do not believe that we are the only activity which requires much of this information. We believe that the project should have a resource which maintains this information, and ensures that it is maintained in a reliable and timely manner. The information could also be used as a valuable resource for the management of the project.
 255
 256 The following is an estimate of the information for SA1 alone:
 257
 258 300 People formally part of the project
 259 10 Federations
 260 70 Partners
 261 90 Locations
 262 10 Mailing lists
 263 20 Web sites
 264 4 Test beds/ services
 265 3000 Users
 266 30 Countries
 267 10 ROCs
 268 4 CICs
 269 1 OMC
 270 20 Administrative organizations (QAG, PEB ...)
 271 100 Documents
 272 11 Activities
 273 9 Deliverables
 274 5 Milestones
 275 8 Quarterly reports
 276 20 VOs
 277 20 Applications
 278 200 Servers (things with host certificates)
 279 600 Server-services (things with service certificates)
 280 4 Help desks
 281 10 CAs
 282 4 Accounting nodes
 283 20 Resource brokers
 284 40 User interfaces
 285 10 BDIIs
 286 4 Middleware releases
 287 1 Call tracking system
 288 10000 Monthly time sheets
 289
 290 3.3.2 Issues

291 There are no resources and organizational issues at this time.

292

293 3.4. RISKS

294 As part of preparing the execution plan, we carried out a risk assessment with the ROC managers of the Federations. This identified the following as large risks for their participation in the project:

295

- 296 o Total cost of the project - this project is bigger than usual for ROCs;
- 297 o Project team diversity - all of the ROCs are dealing with many RCs;
- 298 o Impact of failure - impact on reputation of the ROC;
- 299 o Clarity of objectives;
- 300 o Complexity of reporting procedures.

301

302 There is little which can be done about the first three risks. The ROC managers will have to live with this, as they have agreed to this by their participation in the project. It is possible however that some may choose to exit the project instead. We have asked the ROCs to provide timely information on their concerns and issues.

303

304 The final two risks have been addressed in the section on concerns.

305

306 4. PLANS FOR THE NEXT REPORTING PERIOD

307 In the next reporting period we intend to do the following:

308

- 309 - blah blah blah
- 310 - blah blah blah
- 311 - blah blah blah
- 312 - blah blah blah
- 313 - blah blah blah
- 314 - blah blah blah
- 315 - blah blah blah

316

and even more:

318

- 319 - blah blah blah

320

321 5. MAIN METRICS

322 For this first report we are keeping the number of metrics small. We have defined further metrics in the quality plan for the activity. We report against these metrics to the QAG.

323

324 This table is taken from the TA, page 138.

325

| | Federation | FTE Funded | FTE Unfunded | Total |
|--------|----------------------|------------|--------------|-------|
| 327 01 | CERN | 9.0 | 9.0 | 18.0 |
| 328 02 | France | 20.6 | 0.0 | 20.6 |
| 329 03 | UK+Ireland | 20.0 | 1.0 | 21.0 |
| 330 04 | Germany/ Switzerland | 15.0 | 0.0 | 15.0 |
| 331 05 | Italy | 11.0 | 10.0 | 21.0 |
| 332 06 | Central Europe | 8.7 | 3.3 | 12.0 |
| 333 07 | Northern Europe | 9.0 | 3.0 | 12.0 |
| 334 08 | South East Europe | 9.0 | 3.0 | 12.0 |
| 335 09 | South West Europe | 14.2 | 3.6 | 17.7 |
| 336 10 | Russia | 28.9 | 1.0 | 29.9 |

337

338 People (at the end of the reporting period)

339

340 (There is information in Cristina's presentation a the AAM about this, but it is hard to follow what is what!)

341

| | Federations | EGEE | Matching | Total | Comment |
|---------|---------------------|------|----------|-------|--------------------|
| 343 01 | CERN | 8 | 30 | 38 | Meeting contract? |
| 344 02 | France | x | y | x+y | Meeting contract? |
| 345 03 | UK/Ireland | x | y | x+y | Meeting contract? |
| 346 04 | Germany/Switzerland | x | y | x+y | Meeting contract? |
| 347 05 | Italy | x | y | x+y | Meeting contract? |
| 348 06 | Central Europe | x | y | x+y | Meeting contract? |
| 349 07 | Northern | x | y | x+y | Meeting contract? |
| 350 08 | South East | x | y | x+y | Meeting contract? |
| 351 09 | South West | x | y | x+y | Meeting contract? |
| 352 [10 | Russia | x | y | x+y | Meeting contract?] |

353

354 Resource centres (at the end of the reporting period)

355

| | Federations | # |
|---------|---------------------|----|
| 357 01 | CERN | 1 |
| 358 02 | France | a |
| 359 03 | UK/Ireland | a |
| 360 04 | Germany/Switzerland | a |
| 361 05 | Italy | a |
| 362 06 | Central Europe | a |
| 363 07 | Northern | a |
| 364 08 | South East | a |
| 365 09 | South West | a |
| 366 [10 | Russia | 0] |

367

368 VOs (at the end of the reporting period)

369

| | Federations | # |
|--------|---------------------|---|
| 371 01 | CERN | 1 |
| 372 02 | France | b |
| 373 03 | UK/Ireland | b |
| 374 04 | Germany/Switzerland | b |
| 375 05 | Italy | b |

376 06 Central Europe b
377 07 Northern b
378 08 South East b
379 09 South West b
380 [10 Russia 0]

381

382 6. MEETINGS

383

384 6.1. PROJECT MEETINGS

385 The following meetings have been held. Detailed information on each meeting (including minutes) are available on the agenda system at CERN:

386

387 June 2004

388 29 SA1 phone conference

389 22 CIC group meeting

390 22 SA1 phone conference

391 15 SA1 phone conference

392 08 SA1 phone conference

393 01 SA1 phone conference

394

395 May 2004

396 18 SA1 phone conference

397 10 SA1 ROC managers' meeting

398 04 SA1 phone conference

399

400 April 2004

401 27 SA1 phone conference

402 13 SA1 phone conference

403 01 SA1 phone conference

404

405 6.2. CONFERENCES/WORKSHOPS ORGANISED

406 No conferences or workshops were organized by the activity.

407

408 6.3. CONFERENCES/WORKSHOPS ATTENDED

409 The activity participated fully in the following conferences/ workshops:

410

411 April 2004

412 19 - 22 EGEE kick-off meeting, Cork, Ireland

413

414 6.4. SUBMISSION OF PAPERS

415 No papers were submitted or accepted for publication by the activity during the reporting period.

416

417 7. EFFORT

418 This information will be provided by the project office based on the timesheet information.

419

420 7.1. EFFORT FOR THE REPORTING PERIOD

421

422 7.2. ACCUMULATED EFFORT

423

424 - the end -

425