



Nr.	Vorgangsname	2010												2011												2012												2013					
		Hälfte 1, 2010			Hälfte 2, 2010			Hälfte 1, 2011			Hälfte 2, 2011			Hälfte 1, 2012			Hälfte 2, 2012			Hälfte 1, 2013																							
		A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	M												
33	4.5.1 [Area Leader] Identification of components that are required to support GLUE2	[Gantt bar]												[Gantt bar]												M20																	
34	4.5.2 [Area Leader] Assign a change request for each component	[Gantt bar]												[Gantt bar]												M20																	
35	4.5.3 [Area Leader] Track the change requests to ensure that they are addressed on time	[Gantt bar]												[Gantt bar]												M20																	
36																																											
37	4.6 [I8] Provide guidelines for 3rd parties to integrate messaging into their service/applic	[Gantt bar]												[Gantt bar]																													
38	4.6.1 [Messaging PT] Produce the guidelines	[Gantt bar]												[Gantt bar]												M24																	
39	4.6.2 [Messaging PT] Disseminate the guidelines	[Gantt bar]												[Gantt bar]												M24																	
40																																											
41	4.7 [I9] Deliver the EMI cloud architecture and strategy	[Gantt bar]												[Gantt bar]																													
42	4.7.1 [Cloud TF] Produce a survey of cloud computing and virtualization technology	[Gantt bar]												[Gantt bar]												M18																	
43	4.7.2 [Cloud TF] Investigate how EMI could benefit from the adoption of such technology	[Gantt bar]												[Gantt bar]												M18																	
44	4.7.3 [Cloud TF] Document the possible changes to the EMI middleware stack	[Gantt bar]												[Gantt bar]												M18																	
45	4.7.4 [Cloud TF] Produce a report contain the above information	[Gantt bar]												[Gantt bar]												M18																	
46																																											
47	4.8 [I10] Implement or adapt the accounting record publishers of compute and data area services to use the common messaging system	[Gantt bar]												[Gantt bar]																													
48	4.8.1 [Publisher] Obtain Compute Usage Record Specification	[Gantt bar]												[Gantt bar]												M28																	
49	4.8.2 [Publisher] Obtain Storage Usage Record Specification	[Gantt bar]												[Gantt bar]												M28																	
50	4.8.3 [Publisher] Create the publisher according to the specifications	[Gantt bar]												[Gantt bar]												M28																	
51	4.8.4 [Publisher] Integrate into the EMI release	[Gantt bar]												[Gantt bar]												M28																	
52																																											
53	4.9 [I11] Devise a plan for substantial simplification and reduction in the number of infrastructure area CLIs, libraries, internal components and services.	[Gantt bar]												[Gantt bar]																													
54	4.9.1 [All identified components] Provide an architecture documenting the current situation	[Gantt bar]												[Gantt bar]												M18																	
55	4.9.2 [All identified components] Identify possible changes that could achieve the desired results	[Gantt bar]												[Gantt bar]												M18																	
56	4.9.3 [All identified components] Achieve agreement within EMI on which changes to pursue	[Gantt bar]												[Gantt bar]												M18																	
57	4.9.4 [All identified components] Produce a report showing the architecture, desired changes and implementation plan	[Gantt bar]												[Gantt bar]												M18																	
58																																											
59	4.10 [I12] Investigate service remote management interface for compute, data, security and infratstructure services, including...	[Gantt bar]												[Gantt bar]																													
60	4.10.1 [Area Leader] Gather the requirements on service management	[Gantt bar]												[Gantt bar]												M24																	
61	4.10.2 [Area Leader] Produce a state-of-the-art report on service management	[Gantt bar]												[Gantt bar]												M24																	
62	4.10.3 [Area Leader] Suggest a direction for EMI with justification for this decision	[Gantt bar]												[Gantt bar]												M24																	

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63																																																	
64	4.11 Duplicate to 4.19??? [I13] Implementation of the infrastructure area consolidation plan																																																
65																																																	
66	4.12 [X10] Adapt or implement monitoring interfaces, sensors, providers for compute, data, security, and infrastructure services to allow the use of ...																																																
67	4.12.1 [Area Leader] Contribute to the definition of the monitoring interface																																																
68	4.12.2 [Area Leader] Identify the list of components which need to implement this monitoring interface																																																
69	4.12.3 [Area Leader] Add change requests for each component																																																
70	4.12.4 [Area Leader] Monitor each change request to ensure timely delivery																																																
71																																																	
72	4.13 [X13] Improve usability of client tools based on customer feedback by ensuring a) better more informative, less contradictory error messages b) coherency of command line																																																
73	4.13.1 [All Infra Service Clients] Obtain a client tool policy document for EMI																																																
74	4.13.2 [All Infra Service Clients] Cross check the policy document with the client tools in the infrastructure to identify improvements																																																
75	4.13.3 [All Infra Service Clients] Add change a request for each improvement																																																
76	4.13.4 [All Infra Service Clients] Monitor each change request to ensure timely delivery																																																
77																																																	
78	4.14 [X14] Adhere to operating system standards for service operation and control regarding configuration, log and temporary file location and service starts/status/stop																																																
79	4.14.1 [Area Leader] Obtain OS adherence policy document for EMI																																																
80	4.14.2 [Area Leader] Cross check the policy document with services in the infrastructure area to identify improvements																																																
81	4.14.3 [Area Leader] Add change request for each improvement																																																
82	4.14.4 [Area Leader] Monitor each change request to ensure timely delivery																																																
83																																																	
84	4.15 [X15] Port, release and support EMI components on identified platforms (full distribution on SL6 and Debian 6, UI on SL5/32 and latest Ubuntu)																																																
85	4.15.1 [Area Leader] identify which components must be available on which platforms																																																
86	4.15.2 [Area Leader] Ensure that each component is available on that platform for the release date																																																
87																																																	
88	4.16 [X18] Provide and support monitoring probes for EMI services																																																
89	4.16.1 [Area Leader] Identify a list of components where monitoring probes are required																																																
90	4.16.2 [Area Leader] Add change request for the delivery of each probe																																																
91	4.16.3 [Area Leader] Monitor each change request to ensure timely delivery																																																
92																																																	

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93	4.17 [UNKNOWN] Agree upon and implement a standardized/common mechanism for obtaining service and resource information from Grid services																								
94	4.17.1 [Area Leader] An agreement within EMI on the common approach... and create ERIS PT																								
95	4.17.2 [ERIS PT] An implementation plan should be produced																								
96	4.17.3 [ERIS PT] The first version of the service as part of EMI 2																								
97																									
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101																									
102																									
103	year one																								
104	[I1] Provide early internal guidelines for integrating messaging into potential EMI target compor	M12																							
105	[I2] Design a common EMI service registry that is required in order to discover all the service e	M12																							
106	[I5] Investigate possible use cases for a common standard messaging system for the informati	M12																							
107																									
108																									
109	Common or Cross Area Objectives																								
110	[X1] Define the Information Flow architecture describing messaging and non-messaging based information exchange of the EMI components...	M9																							
111	[X2] Investigate possible use cases for a common standard messaging system in the computing area	M12																							
112	[X3] Investigate possible use cases for a common standard messaging system in the data area	M12																							
113	[X4] Agreement on common EMI delegation method	M18																							
114	[X5] Definition of a common SAML profile all over the middleware stacks	M16																							
115	[X6] Implementation of the EMI SAML profile all over the middleware stack	M28																							
116	[X7] Integration of the compute area services with the ARGUS authorization framework	M18																							
117	[X8] Initial integration of the storage elements with the ARGUS authorization framework	M22																							
118	[X9] The legacy GSI will be replaced with a common security solution based on TLS/SSL and EMI delegation method	M30																							
119	[X11] Complete the rewrite of components utilising the new AuthN libraries	M32																							
120	[X12] Publish coherent GLUE 2.0-based version information as part of service description in order to facilitate service discovery and monitoring	M16																							
121	[X16] Provide optimized semi-automated configuration of service backends (e.g. databases) for standard deployment	M30																							
122	[X17] Introduce minimal DOS protection for EMI services via configurable resource limits	M28																							
123	[X19] Evolve EMI components to meet specific user requests	M32																							
124	[X20] Increase performance of EMI services	M32																							