Pending Issues to be discussed during the public comment period of GLUE 2.0

XSD Realization

1. consider adding extensibility based on the lax value for the processContent attribute of an xsd:any element definition
2. based on examples/experience, check the “usability” of the realization of ToComputingService and ToStorageService
3. verify the multiplicity of the assocations

Conceptual Model

1. what is the use case for GLUE to model services with no endpoint? (see main entities, computing and storage)
2. FNAL: to send detailed information about the requirements for storage reservation and example use cases
3. check if appendix B should be alphabetically ordered
4. add more descriptive text to each element (e.g., benchmark, applicationHandle)
5. consider to add non-normative examples to the realization document or to a new document (e.g. GLUE 2.0 Primer)
6. multiplicy between Endpoint-Share Share-Resource and all the specialization in computing and storage, at the moment they are different; verify by use cases if they can be made equal (22, 42)
7. add CreationTime and Validity in the Inherited Properties section of each table subclassing from Entity
8. evaluate if the following attributes should be added to the Entity: Name, OtherInfo
9. evaluate if to have only global ID’s (in this case, we could add ID to the Entity class) (43)
10. evaluate if adding OtherInfo in the Location entity is needed
11. improve UserManager of UserDomain and evaluate if it should be represented as assocation (31bis)
12. improve Member properties of UserDomain
13. revise the capability_t enumeration based on experience; reconsider if we want it mandatory (120)
14. Service.Type: refine definition and enumeration; add EGEE, OSG and NorduGrid types (121)
15. improve AdminDomai.Owner description
16. Endpoint.Interface: to be split into type and version (with Type having an enumeration?) (37)
17. define integrated state model for Service.QualityLevel and Endpoint.QualityLevel after experience (38)
18. MappingPolicy.Default: evaluate how to express default mapping; two options so far (53):
    a. Add to the policy rule syntax
    b. Add as a property of mappingPolicy; in this case we need to allow multiple policy instances with same scheme
19. reconsider job-related attributes and the Grid vs. local jobs in computingService/computingShare
20. change ExecuntionEnvironment.Homogeneity to ExecutionEnvironment.Homogeneous (64)
21. evaluate if to drop ComputingManager.NetworkInfo (65)
22. evaluate TmpDir/ScratchDir/ApplicationDir (ask JP) and their relationship to WorkingArea (66)
23. evaluate a better name for ApplicationEnvironment.Name (77)
24. improve description of ApplicationEnvironment.Repository (79)

25. storage: evaluate how to use access protocol in case of simple
26. disk server with gridftp storagendpoint; evaluate if storage endpoint can be used for listing access protocol types as well (89, 144)
27. evaluate the usage of the word capacity and extent in the storage context (90,91)
28. to make consistent association labeling across main/computing/storage entities (92, 159)
29. improve definition of size-related attributes in storage*capacity entities (94, 103)
30. improve path default when implicit and description (98)
31. improve tag definition (99)
32. improve description of storage share (101)

Manager: Type seems a slightly strange name for the attribute, things like "enstore" and "castor" aren't really types. Actually this applies to ComuptingManager too although I didn't pick it up there, are "lsf" and "pbs" types? Also since both CM and SM have a Type attribute should it anyway be defined in the parent Manager entity? (ditto Version).

33. evaluate if to rename storage resource to data store (108)
34. ToComputingService: The AccessProtocol relation is marked as multiplicity 1, but I think it should be *. One one side you could have a "close SE" relation involving several protocols (e.g. rfio and file). On the other side you may want to have the network info regardless of protocol (e.g. for gridftp).
35. rediscuss deny and wildcards in basic policy syntax; improve also general description (118, 119)
36. verify semantics of policy rules against EGEE semantics (119)
37. refine endpointTechnology_t enumeration
38. reconsider OSFamily/OSName/OSVersion to this: http://goc.grid.sinica.edu.tw/gocwiki/How_to_publish_the_OS_name
39. License_t rediscuss open vs. closed and values
40. check capitalization of MUST, MAY, … (129)
41. change all can to MAY, SHOULD (130)
42. check consistency in referecence styles; e.g. URI in line vs. in reference section (131)
43. fix appendix numeration by letters (133)
44. Make entity names typesetting consistent in the text; use same style of entity name in table + italics (134)
45. check statements about ID and URI (137)
46. discuss persistency of LocalID/ID (140)

http://www.nla.gov.au/padi/topics/36.html

47. add explicit redefinition of associations in UML (142)
48. recheck definition of latency: maximum under normal operating conditions vs. actual vs. maximum (147, 110)
49. add references to XML, LDAP, and SQL
50. add clarification about interoperability profiles (149)
51. add reference to URI/URN
52. improve reference to SI (154)
53. choose either attribute or property as a term
54. clean paragraph (172)
55. evaluate renaming of statusPage (174)
56. improve Supported Profile definition (177)
57. Policy: Neither the Scheme or Rule properties appear to be particularly well defined (182)
58. 185 and 186
59. add xrootd to access prot enum + definition (194)
60. improve definition of enum in storage (195)