

Report Outline and Reviewer Assignments
For the
Director's Conceptual Design Review of the Muon g-2 Project
June 5-7, 2013

Executive Summary	<u>Jon Kotcher</u>
1.0 Introduction	
2.0 Accelerator	<u>Mike Syphers</u> * Bob Webber
3.0 Ring	<u>Matthias Perdekamp</u> * Mike Tartaglia
4.0 Detectors	<u>Alan Hahn</u> * Harry Cheung
5.0 Charge Questions	
5.1 Are the science goals and physics requirements clearly stated and documented? Have the science goals and physics requirements been adequately translated into technical performance requirements and specifications?	<u>Each Subcommittee</u>
5.2 Is the design technically adequate? Is the design likely to meet the technical requirements needed to carry out the scientific goals?	<u>Each Subcommittee</u>
5.3 Can the design be constructed, inspected, tested, installed, operated and maintained in a satisfactory way?	<u>Each Subcommittee</u>
5.4 Is there adequate supporting documentation to support the conceptual design and the transition to developing the preliminary design?	<u>Each Subcommittee</u>
5.5 Are the risks (on technical, cost, and schedule basis) of the selected base design approach and alternatives understood and are appropriate steps being taken to manage and mitigate these risks? Have areas been identified where value engineering should be done? If value engineering has been performed is it documented?	<u>Each Subcommittee</u>
5.6 Are the project organization and lines of responsibility clearly defined and sufficient to ensure the successful engineering and design of the project? Are the design interfaces between the Accelerator Systems, Experimental Facilities, and Conventional Facilities groups understood and well enough defined to ensure a coordinated effort and an integrated design, including the Muon Campus AIPs/GGPs? Is there a reasonable plan in place for implementing configuration management to ensure changes to the technical requirements/specifications are controlled and communicated to all affected groups?	<u>Jon Kotcher</u> All

Note: * Indicates Subcommittee Lead and integrator of write-ups
Underlined names are the primary writer.