

**The NBOA Fast track initiative
Preliminary Design Review (PDR) Committee Charge**

The purpose of this Preliminary Design Review is to assess whether the design is sufficiently mature to support the proposed technical and performance management baseline and is thus ready to proceed to the detailed/final design phase.

Specific questions that the committee should address are provided below:

- 1) Have system requirements been defined, are they complete and adequate enough to ensure acceptable system performance
- 2) Is the proposed design expected to meet the functional and performance requirements, and are interfaces properly identified and defined?
- 3) Have appropriate options and alternatives been considered in selecting the design approach? Are there further value engineering opportunities that should be considered?
- 4) Is the proposed design sufficiently mature to proceed to final design?
- 5) Have major project risks and safety hazards been identified, characterized, and mitigated where appropriate?
- 6) Is the project plan for delivery complete and compatible with the overall requirements of the NSS project? Are schedule and cost estimates where relevant reasonable?

The committee is asked to evaluate the presented documents along the criteria cited above and establish an overall recommendation on readiness to proceed. Comments and recommendations in each area should be separated into two categories, namely, those that need to be addressed prior to proceeding to final/detailed design, and those that should be addressed in due course during the final design process.