

Charge for the SNAP Instrumentation Development Review

Assess the research and development phase work of the instrumentation and telescope efforts within SNAP and determine the status of the effort by answering the following questions. The R&D phase runs nominally from the present through CDR (total of ~18 months).

- Are the requirements for overall project success clearly defined?
 - Are the requirements and goals of the development program clearly tied to overall project requirements and goals?
 - Are the derived vs. imposed requirements clearly understood?
- Is the entity responsible for each research and development effort clearly identified?
 - Has technical contribution and prowess in the specific area given adequate weighting in the choice of a responsible entity?
- Is the development effort organized in manner that fosters the successful achievement of goals?
- Is the current state-of-the-art (CSOA) well understood?
 - Are those areas of requiring development beyond the CSOA clearly understood and a clear development path identified?
- Have the risks to the entire project in each development area been adequately assessed with strategies developed for mitigation of impacts on the project?
- Is the development schedule adequately defined?
 - Have a sufficient number of intermediate milestones been defined to allow determination of adequate technical progress?
 - Are clear gate-points identified where technical development decisions are to be made to avoid jeopardizing total project progress?
- Are the ultimate deliverables associated with the development effort clearly defined?
- Is the work to be accomplished in preparation for CD0 review (Approval to proceed with conceptual design and R&D efforts) clearly understood, identified and adequately covered.