

Mandates of the International Review on COLD CDR

1. Review Purpose:

Assess the COLD project's adequacy to achieve its primary goal: adapting new accelerating structure technology for a full-energy linac as an EBS injector, enabling future storage ring upgrades.

2. Mandates:

- As a test facility, is the COLD adequate and/or sufficient to demonstrate that the SLAC technology is compatible with user facility operation and can serve as a baseline for a 6 GeV injector?
- What is the technical advantage and integration of all necessities as a test facility?
- Is the experimental program well-designed and sufficiently detailed to provide the required data for this test facility?
- Does the COLD facility have the necessary technical resources and equipment to successfully conduct this experimental program?
- What risks does the panel perceive in the current CDR and in the construction of the full facility?
- Are the necessary fields of expertise required to successfully conduct the COLD project covered by the current resources?
- Is the organizational structure, planning, and budget profile realistic in light of the available resources and project objectives?