



Review of the Spallation Neutron Source Low Level RF Control Systems 26-27 September 2002

Charge to the Review Committee

1. Assess the status of the LANL and LBNL RF control systems.
2. Given the status of the RF control systems, is the delivery schedule required by the Integrated Project Schedule achievable? If not, what should be done to correct this situation?
3. Would reduced functionality improve the probability of on-time delivery? Do the existing hardware and software implementations accommodate simplification? Is it realistic to reduce functionality now and restore it at a later date? If so, which functions could be deleted without compromising performance during commissioning?
4. Are the hardware and software development and testing methodologies appropriate for the short and long term performance and schedule requirements? Are the methodologies consistent with the requirement that the system be operated, maintained and modified by ORNL staff?
5. Are the staffing level and skill set sufficient, and is the project management structure appropriate to the task?
6. The LBNL RF control system is being modified to provide a backup system for the commissioning of the RFQ. Is this system upgradable to meet the commissioning and operational requirements of the DTL, CCL and SCL?
7. Given that parallel development efforts are not sustainable for very long, how should the SNS Project proceed with the development of the RF control system in order to maximize the probability of success?