Abstract

The Advanced Rare Isotope & Electron Linac (ARIEL) facility at TRIUMF has now reached completion of the first phase of construction; the Electron Linac. A commissioning control system has been built and used to commission the electron gun and two stages of SRF acceleration. Numerous controls subsystems have been deployed including beamlines, vacuum systems, beamline diagnostics, machine protect system interfaces, LLRF, HPRF, and cryogenics. This paper describes some of the challenges and solutions that were encountered, and describes the scope of the project to date. An evaluation of some techniques that had been proposed and described at ICALEPCS 2013 are included.