Testing the ISAC LEBT and 35 MHz RFQ in an R. BAARTMAN, **Intermediate** Configuration, P. BRICAULT, G. DUTTO, K. FONG, R. LAXDAL, K. JAYAMANNA. M. MACDONALD, R. POIRIER, L. ROOT, A. MITRA, B. UZAT, J. WELZ, TRIUMF - An 8 m long, 35 MHz 4-rod splitring RFQ is required to accelerate exotic beams with A/q<=30 from 2 keV/u to 150 keV/u at the ISAC radioactive beam facility at TRIUMF. Noteworthy aspects of the RFQ include operation in cw mode at an rf power of 120 kW and the elimination of a bunching section in favour of an external pre-buncher in the LEBT. An initial 2.8 m section of the accelerator (7 of 19 rings) has been installed in the 8 m tank to allow rf and beam tests well in advance of the final configuration. An injector consisting of a 2.45 GHz micro-wave CUSP source, analyzing magnet and electrostatic beam transport line (LEBT) supplies the test beams. A 11.7 MHz three-harmonic saw-tooth prebuncher is installed in the LEBT. Electro-static elements positioned in the remainder of the RFQ tank transport the 53 keV/u beam to a diagnostic station downstream of the RFQ. A description of the test set-up and results of both rf tests and beam tests will be reported.