

Calibration load development plan

Version V1.0, 15-12-2009

Version V2.0, 11-01-2009

Version V3.0, 28-01-2009

Review of available data, review literature (absorber materials parameters, existing designs etc)
Identification areas where experimental verification and modeling are needed. Define tests and theoretical analysis cases.

Finish date – January 2009

Identification groups to perform theoretical analysis and experimental verification.

Finish date –February 2009

Analysis and experimental verification using prototypes and test cases.

Analysis of the results.

Finish date - April 2009

Design and production of a dual-cone design ('best guess' design) for RF tests (not heated).

Finish date – March 2009

Test of a dual-cone design

Finish date - April 2009

Detail pre-production configuration(s). This should include thermal aspects (heated load).

Need mechanical engineer support.

Finish date – May 2009 (if convinced in the proposed cone-pocket design, this can be started in February and finished in March)

Produce pre-production hardware.

Finish date – June 2009

Test pre-production hardware – UB.

Finish date – August 2009

Analyze the results of the pre-production hardware.

If results of pre-production tests are satisfactory, we may go into CDR for the calibration loads in September 2009.

Design modification for production hardware.

Produce production hardware.

Test production hardware.

Finish date – November 2009.