

High Accuracy Instrument Transformer Update

Revenue Metering Standing Committee Meeting April 2, 2009
Neill Wong, Settlements, Metering Installations



- High Accuracy Instrument Transformer Working Group recommendations to:
 - Formally adopt IEEE ANSI and CSA standards to recognize 0.15/0.15S accuracy class
- Being written into Wholesale Revenue Meter Standard – Hardware for Baseline 21.1
- Issue: To set an effective implementation date for adopting high accuracy class CT standards into the wholesale market.
Proposed dates are: Jan 1, 2010 or July 1, 2010

- High Accuracy Instrument Transformer Working Group recommendations to:
 - To develop an alternative approach based on settlement of energy to evaluate CT operation below 10% rated nominal ratio
- Effectively, to consider annual compliant kWh vs non-compliant kWh to evaluate CT operation above and below the 10% threshold for 0.3 accuracy class. Possibly, determine suitable ratio (e.g. 5:1) indicators for meeting compliant CT operation.

- Instrument transformer approval turn-around at Measurement Canada is seen as 6-8 months.
- Likely a new Approval # will be issued for 0.15.
 - The new Approval # may not be available until the Draft NOA is issued.
 - Consider this when preparing registration documents and don't assume an existing approval will necessarily have a revision.
- To be MC approved as 0.15, nameplate must show relevant CSA 60044-x standard.
- First 0.15 Draft NOA for a SADTEM CT was received this week by LaPrairie. It is a 0.15 only unit (i.e. not 0.15S).

- Finalize the High Accuracy Instrument Transformer Working Group report
- Circulate to RMSC stakeholder community for review and feedback
- To set implementation date for 0.15 and 0.15S high accuracy class CTs – January 1, 2010 or by 2010 mid-year
- 0.3 accuracy class, extended-range tested CTs will no longer be accepted