

# RMSC Working Group

## Meter Installation Upgrade Lead Times

RMSC Meeting  
April 2, 2009



- RMSC Working Group was assembled to review options and offer recommendations to ensure MC compliance for those metering installations with IT's on the MC IT Temporary Permission List and review upgrade lead times.
- Working group members include:
  - Mark Simpson – Brantford Power (regrets)
  - Matt Wenninger – Guelph Hydro
  - Dave Haddock, Terry Court – Hydro One
  - Vito Genovese – Horizon Utilities
  - Dave Sharpe – Peterborough Utilities
  - Selina Chang – Rodan
  - Doug Thomas, John Antonakos, Richard Zaworski – IESO
- Meeting held on Nov. 28, 2008

- Measurement Canada IT Temporary Permission List
- Hydro One/Measurement Canada discussion update
- Hydro One reported lead times
- Hydro One workforce plan for meter installation upgrades
- Other

- IT Temporary Permission list was reviewed and compared with IESO meter registration data
- Number of discrepancies identified and an accurate assessment was not possible
- ACTION: Hydro One and IESO to get together to review and compare registration information and update IT Temporary Permission List
- IT Temporary Permission List has been updated
- Approx. 1400 IT's (290 meter installations) in IESO market do not have MC type approval
- Hydro One to provide MC with updated list
- IESO will retain this information as part of registration data and issue notification to MMP's which have meter installations with IT's on temporary permission list (June 09)
- IESO and Hydro One will work together to maintain list

- No discussions have taken place between Hydro One and Measurement Canada
- Hydro One stated that they will contact Measurement Canada in the new year to begin discussions
- Group suggested Hydro One approach MC for consideration of an extension or other alternatives:
  - Schneider Electric CT verification test not recognized by MC
  - Consideration for IT's that meet ANSI accuracy but not type approval
  - End of life dispensation (cost/benefit)
  - Detailed work plan to address timelines required to replace IT's
  - Prioritize IT replacement based on IT accuracy information
- **ACTION:** Hydro One to develop plan to approach Measurement Canada to consider extension or other alternatives. Need to develop strategy to support case including cost benefit, accuracy/measurement benefit, etc.

- Hydro One confirmed that based on existing resources and forecasted workload, a full upgrade from receipt of Schedule 1 to in-service could be 24-36 months
  - 11 months to schedule site visit (requires coordination among various groups that need to be on site)
  - 3-4 months to provide report to MMP
  - 18 months to complete work once PO is received
- The upper 36 month lead time was not formally communicated to MMP's
- Hydro One to consider updating HONI customer web page that shows a typical upgrade schedule

# Hydro One Workforce Plan for Meter Installation Upgrades

- Hydro One continues to hire new staff to maintain workforce
- Hydro One has considered contracting services but limited to engineering services as field work is strictly for Hydro One staff (bound by collective agreements)
- Distributed generation and other major capital projects (replacement of protection equipment) are taking resources from front end work
- ACTION: Hydro One to provide forecast of how many meter installation upgrades (full) can be performed annually.
- Hydro One estimates that they will be able to complete 60 full upgrades annually. This will be split evenly between Hydro One and other customers at 30 full upgrades each.

- IESO has updated MACD with regards to working group discussions/activities
  - What actions taken by MMP would be considered due diligent??
- Issues to be considered when substantial upgrade is triggered
  - Continued use of MC approved 0.3 ANSI IT's but not supported by test record
  - Continued sharing of IT's
- IESO Response: As per MR's, metering installation registered under the Declaration of Compliance must have IT's supported by ANSI test card and shared use of IT's is not permitted (some exceptions in WRM Std). There are options available as per Ch. 6 section 4.4.8 - Retaining Registration under the Alternative Standard.

- Hydro One to address action regarding strategy and continue discussions with Measurement Canada
- Working group will reconvene if necessary
- IESO to issue IT Temporary Permission List expiry notifications to MMP's (target June 09)
- Report progress back to RMSC in Oct. 09