

25Hz Conforming Meter

Revenue Metering Sub-Committee
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- q October 17, 2006 conference call between IESO, HydroOne, Measurement Canada, Schneider Electric and Langford & Associates**
- q Develop plan re: 25 Hz meter**
- q ION 8600 25Hz meter**
 - kWh energy confirmed**
 - Confirmation required for kVarh, V2h and I2h**
- q Measurement Canada does not have standard for Varh, V2h and I2h**
- q 6 month backlog for approval testing**

- q **IESO controlled Customer Master file fields defined:**
 - **Group** – Information Only Field; System Management
 - **Billing Cycle** – Operational Field; Assignment of call cycle
 - **Interrogation Cycle** – Operational Field; Assignment of interrogation cycle
 - **Account Number** – Information Only Field; System Management
 - **Comment** – Information Only Field; System Management
 - **Billing Transfer Fields** – Operational Field; Assignment of Upload to MVStar
- q **IESO controlled Recorder Master file fields defined:**
 - **Call/Retrieval Mode** – Operational Field; Activates Call Mode
 - **Last Stop Time** – Operational Field; Last Uploaded Interval
 - **Local Phone #** – Operational Field; IESO limited to formatting**
 - **Remote Phone #** – Operational Field; IESO limited to formatting**
 - **TIM Config File** – Operational Field; Must be 'NULL' as defined in Meter Framework
 - **Connect Type** – Operational Field; Must be 'NULL' as defined in Meter Framework
- q **IESO Production processes will permit modification of these fields to maintain operations**

- q **IESO controlled Channel Master file fields defined:**
 - Register Type
 - Encoder Type
 - Readings vs. Pulses Tolerance
 - Tolerance Type
 - Interval Max
- q **Operational fields define channel validation criteria**
- q **Channel Master defined IESO controlled fields apply only to IESO Conforming Meters**
- q **Default field values are defined in Meter Framework document**

- q **Used by IESO Production staff as a QA tool to validate MIRT submissions**
- q **MIRT file compared to Conforming Meter Template**
- q **Templates are currently being developed**
 - ION Main 10 channel
 - ION Main 8 channel
 - Q1000 Main 10 channel
 - Q1000 Main 8 channel
 - ION Alternate 10 channel
 - ION Alternate 8 channel
 - Q1000 Alternate 10 channel
 - Q1000 Alternate 8 channel
 - Alpha/Alpha+ Alternate 4 channel
 - Sentinel Alternate 4 channel
 - KV/KV2 Alternate 4 channel
- q **Validation of MIRT fields are defined and classified in MVT application**
 - Type A – Report and Reject
 - Type B – Report Only
 - Type C – Report and Update (IESO controlled Meter Master Fields)
- q **Total of 27 Customer Master and Recorder Master fields are validated**
- q **25 Channel Master fields per meter channel are validated**

- q MVT development is in final stages**
- q Next step is to test application**
- q Roll out expected early 2007**
- q Existing Master Files will be maintained by IESO
(only IESO controlled fields)**
- q Will provide update at next RMSC meeting**