

Implementation of MVSTAR Release

March 8, 2005

Richard Zaworski



- ❑ MVSTAR to be updated March 2005
- ❑ Latest MVSTAR release includes two enhancements
 - Site Registration Report
 - ✓ Limited to 60 day history (default report)
 - ✓ Full or other date range can be provided upon MSP request
 - ✓ Notice given to all MSP's
 - Enhanced Meter Point to Voltage Code to Loss Factor relationships
 - ✓ Voltage Code field expanded from 3 characters to 20 characters
 - ✓ Loss Factor field expanded from 16 characters to 20 characters
 - ✓ Ability to make global updates to Loss Factors (TLF's for example)***

MVSTAR – Existing Model

- ❑ A Meter Point is associated with a Voltage Code (1 to 1 relationship)
 - MPID 1000009900 with VC A39
- ❑ A Voltage Code is associated with one or many Loss Factors (1 to many relationship)
 - VC A39 with LF 337 and LF 833 and LF 992
- ❑ A Loss Factor may also be associated with many Voltage Codes (1 to many relationship)
 - LF 337 to VC A39, VC B01 and VC B03
- ❑ Existing Model (MPID : VC : LF)
 - (1 : 1 : many) where LF : VC = (1 : many)

- ❑ A Meter Point is associated with a Voltage Code (1 to 1 relationship)
 - MPID 1000009900 with VC 1000009900
- ❑ A Voltage Code is associated with one or many Loss Factors (1 to many relationship)
 - VC 1000009900 with LF LOSS_3490 and LF LOSS_5760 and LF LOSS_6330
- ❑ A Loss Factor will only be associated with one Voltage Code (1 to 1 relationship)
- ❑ NEW Model (MPID : VC : LF)
 - (1 : 1 : many) where LF : VC = (1 : 1)

- ❑ Benefits of the New Model:
 - VC to MPID will be easily identified
 - Less risk to the IESO when modifying Loss Factors which contribute to many Voltage Codes
 - Ability to make global changes to multiple Fixed Loss Factors (TLF)*

- ❑ What is required to implement?
 - Breakup and rename existing model to meet specifications of NEW model
 - ✓ Script provided by ITRON
 - Market Manuals and Procedures require IESO to issue new SRReports for signoff
 - ✓ 700+ Energy Delivery Points (MSP only)
 - ✓ 1200+ Transmission Delivery Points (MSP and transmitter)

1. Implement, run script and issue SRR for signature
2. Implement, continue as per existing model, run script at a future date and issue SRR for signature
3. Implement, rebuild as per NEW model on an as needed basis and issue SRR for signature
4. Implement, run script and issue something other than SRR for signature (Before and After snapshot)

What is the best approach? Any recommendations?