

# MR-00312 Update

## Upgrade Relief



- Amendment MR-00312 Revenue Metering Alternative Standard taken to the Technical Panel 29th Aug.
- TP agreed that the amendment submission warrants consideration.
- Will go back to the TP for consideration of the actual MR in October.
- Expect the MR to give direct authority to grant relief as per details in the Market Manuals.

- Why not use the exemption route?
- Is the IESO asking for authority to grant exemptions?  
How does this differ?
- Are the metering standards too high?
- Will the installations still meet MC's requirements?
- Will the IESO post the decisions and reasons for the decisions?
- Support anything that makes it easier for all participants.
- Want to see the draft Market Manual.

- Relief would be subject to the following conditions and only apply as follows:
  - Relief only applies to existing metering installations registered under the Alternative Metering Standard:
    - Does not apply to new metering installations.
    - Does not apply to metering installations or facilities that are being rebuilt or refurbished in any major way where the opportunity exists to upgrade the metering installation.
  - Each metering installation shall be reviewed by the IESO to confirm that it meets the criteria for relief.
  - Relief applies where an MMP assumes responsibility for the metering installations (as per Market Rules) and where it is not practical to upgrade the metering installation, and is one of the following cases A, B or C.
  - Relief applies at the sole discretion of the IESO.

## Case A. Medium voltage indoor metal clad switchgear 4 kV to 46 kV

- Location -metering installation is in a TS supplying an MMP.
- The metering installation is enclosed in medium voltage metal clad switchgear.
- The ITs are shared and used for protection, control and monitoring, as well as the MMP's revenue metering.
- There is limited space either inside the switchgear building or external to the building.
- It is not cost effective to install pole mounted metering units (PMEs), because:
  - four or more PMEs required, or,
  - the TS is located in a congested area and there is no external room for poles & PMEs or,
  - the egress feeders are underground and it is not practical to excavate a vault for the metering installations, or,
  - the egress feeders are overhead, but space limitations remain.
  - ability to work on the metering installation is prohibited.
- High voltage metering is either not possible due to physical space limitations or is not cost effective.
- Any other circumstances where the IESO after investigation agrees that it is impractical or cost prohibitive to upgrade the ITs.

## Case B. Medium voltage open bus < 50kV

- Location -metering installation is in a TS supplying an MMP
- The metering installation is bus mounted or bushing mounted with difficult access.
- The ITs are shared and used for protection, control and monitoring, as well as the MMPs revenue metering.
- There is limited space either inside the bus work or external to the bus work or TS.
- It is not cost effective to install pole mounted units (PMEs), because:
  - four or more PMEs required, or,
  - the TS is located in a congested area and there is no external room for poles & PMEs, or,
  - the egress feeders are underground and it is not practical to excavate a vault for the metering installations, or,
  - the egress feeders are overhead, but space limitations remain.
  - ability to work on the metering installation is prohibited.
- High voltage metering is either not possible due to physical space limitations or is not cost effective.
- Any other circumstances where the IESO after investigation agrees that it is impractical or cost prohibitive to upgrade the ITs.

## Case C. High voltage outdoor open bus station > 50kV

- Location -metering installation is in a TS supplying an MMP
- The metering installation is bus mounted with difficult access.
- The ITs are shared and used for protection and control work.
- There is limited space either inside the bus work or external to the bus work or TS.
- It is not cost effective to install PME's, because:
  - four or more PME's required, or,
  - the TS is located in a congested area and there is no external room for poles & PME's, or,
  - the egress feeders are underground and it is not practical to excavate a vault for the metering installations, or,
  - the egress feeders are overhead, but space limitations remain.
  - Ability to work on the metering installation is prohibited.
- Low/medium voltage metering is either not possible due to physical space limitations or is not cost effective.
- Any other circumstances where the IESO after investigation agrees that it is impractical or cost prohibitive to upgrade the ITs.

- MMP files an application with the IESO.
- Application contains sufficient information to enable the IESO to make a judgment.
- IESO visits the facility where required.
- IESO formally rejects or grants relief.
- Application, decision and reasons posted on the Metering website.
- Report back to the RMSC.
- MP to pay the cost of processing each application for relief (marketplace will not pay for costs that benefit a specific MP)