

# THES HV Metering

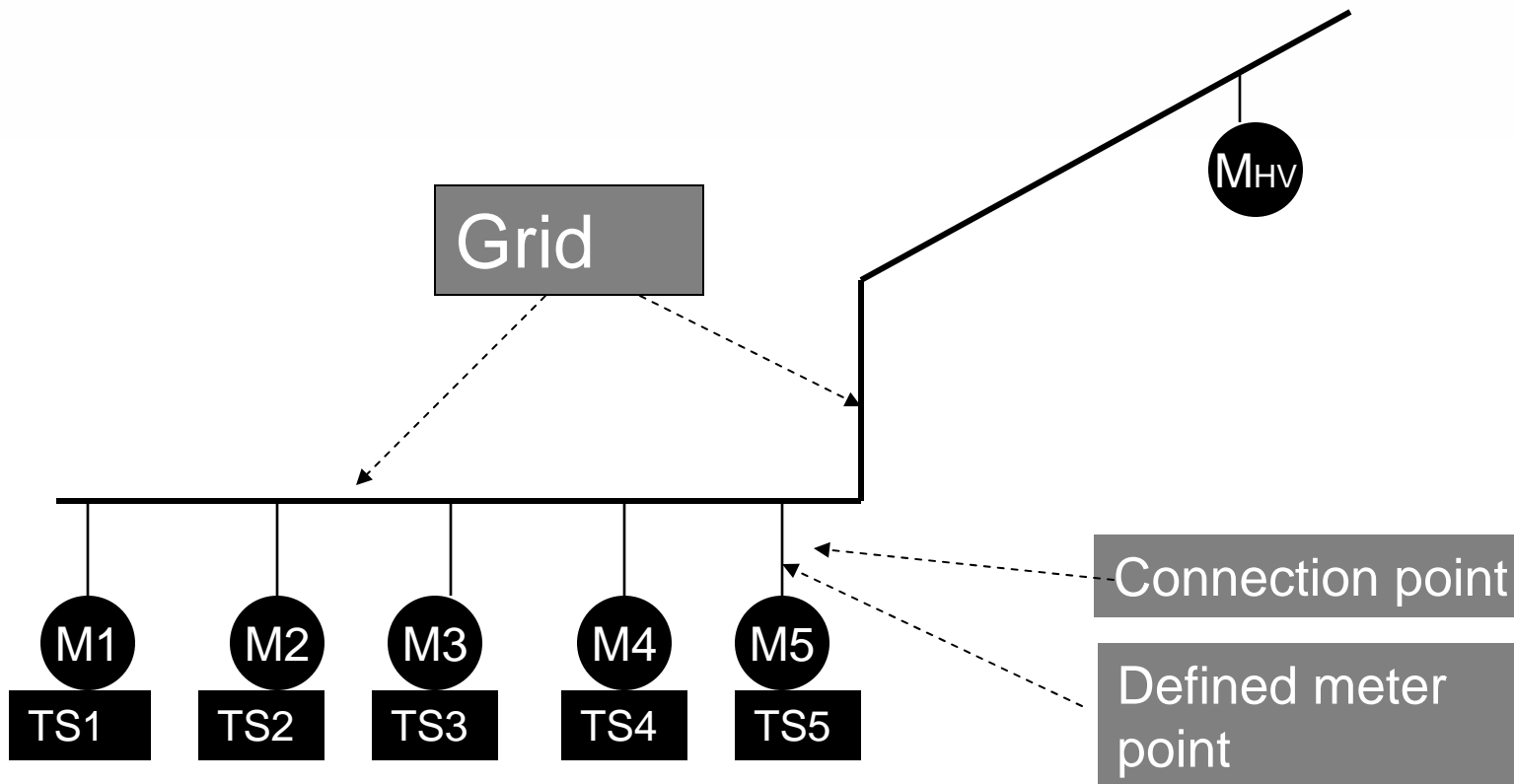
RMSC 3 April 2008



Asking the RMSC to:

1. Vote on the proposed Market Rules.
2. Comment on the Technical Panel Issues.
3. Comment on materiality.
4. Comment on the proposed Market Manual.
5. Other?

## Transmission grid – HV metering



- Proposed Market rules amendments for Ch6
- section 2.1.1.1 the *connection point* or *embedded connection point* has an associated metering installation that, subject to section 4.4, complies with the requirements of this Chapter and of any policy or standard established by the *IESO* pursuant to this Chapter. A single metering installation may be associated with more than one connection point or embedded connection point,

- section 4.2.1.1 subject to sections 4.2.2 and 4.2.2A, the *meter point* is located at the *defined meter point* for the *facility* to which the *metering installation* relates and otherwise complies with all requirements for *meter points* set forth in this Chapter and in any policy or standard established by the *IESO* pursuant to this Chapter; and

- 4.2.2A The IESO shall permit a metering installation to be associated with more than one facility notwithstanding that the meter point is not located at the defined meter points for the facilities provided that all transfers of energy at any points of supply or consumption for the facilities to which the metering installation are associated are determined in a manner satisfactory to the IESO.

Where a metered market participant intends that such a metering installation is to be used for determining settlement amounts instead of one or more pre-existing downstream metering installation, the IESO shall not permit the use of the upstream metering installation for determining settlement amounts unless the metered market participant demonstrates, to the satisfaction of the IESO in accordance with the applicable market manual, the accuracy of the energy transfer measurements of the upstream metering installation relative to the downstream metering installations.

- 4.2.2B When developing the conditions of satisfaction referred to in section 4.2.2A, the IESO shall be guided by all market participants are to be held financially harmless by the use of the upstream metering installation.

- section 3.1.2.1

d. where the *metering installation* is associated with one more than one *connection point, defined meter point or facility*, review and update the information referred to in sections 1.2 and 1.3 of Appendix 6.5 and provide it to the *IESO*:

(i) annually; and

(ii) when material changes are made to the *IESO-controlled grid* downstream of the *metering installation* including the application by another *metered market participant* to register a different *metering installation* downstream of the *metering installation*; or

- section 3.1.2.2

c. where the *metering installation* is associated with one more than one *connection point, defined meter point or facility*, ensure that its *metering service provider* reviews and updates the information referred to in sections 1.2 and 1.3 of Appendix 6.5 and provide it to the *IESO*:

(i) annually; and

(ii) when material changes are made to the *IESO-controlled grid* downstream of the *metering installation* including the application by another *metered market participant* to register a different *metering installation* downstream of the *metering installation*; and

- section 2.1.1A.4

2.1.1A.4 the IESO has not permitted the use of the RWM for determining settlement amounts for the reason specified section 4.2.2A of Chapter 6..

- Energy settlement:
  - What is a material change?
- Transmission settlement:
  - Load diversity factor, how is this to be verified in the future?
  - Is there an ongoing requirement for LV metering? How long?
  - Does the IESO have the authority to instruct the MMP in settlement of transmission charges? IESO position is No!
  - Other than billing and collecting, is the IESO responsible in anyway for the transmission settlement? Does the IESO have a responsibility for ensuring equivalence? IESO position is No!
  - Who is going to accept that the load diversity formula is correct? IESO position is the transmitter and the transmission customer are responsible and sign the SRR to that effect.
  - What is a material change?

- List of changes requiring review of formulas:
  - The addition of a new wholesale directly connected market participant, load or generator.
  - The addition of any new grid transmission line.
  - The addition of any new Transformer Station (TS).
  - Re-conductoring of an existing transmission line.
  - Changes to the grid operation such as moving the grid open points.
  - Load transfers outside the HV metering area.
  - Upgrading (in MVA) of any TS main power transformers.
- Material changes is any change that causes a +/- 0.5% change in the energy consumed, or in the coincident peak or non-coincident peak.

- Proposed Market Manual will include:
  - Description.
  - Hardware requirements.
  - Implementation phases.
  - Energy settlement details.
  - Transmission tariff settlement details.
  - Procedure for the application of loss adjustment and load diversity factors.
  - Changes requiring review of formulas.