
Schedules to Chapter 9

SCHEDULES TO CHAPTER 9

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SCHEDULE 9.1

TECHNICAL REQUIREMENTS FOR METERING EQUIPMENT

S9.1.1 MINIMUM STANDARDS OF ACCURACY FOR NEW METERING EQUIPMENT

- (a) The *minimum standards* of accuracy for *new metering equipment*, other than *interval metering equipment* are as follows:
- (1) for installations with a annual consumption equal to or less than 750 MWh per year:
 - (i) the *active energy meter*: an induction energy *meter* complying with the relevant performance requirements of AS 1284.1, or a static energy *meter* complying with the performance requirements of AS 1284.5 - accuracy class 1.0;
 - (ii) the *current transformer* (if applicable): a *current transformer* complying with AS 60044.1 - accuracy class 0.5;
 - (iii) the single phase *voltage transformer* (if applicable): a *voltage transformer* complying with AS 60044.2 - accuracy class 0.5;
 - (iv) the three phase *voltage transformer* (if applicable): a *voltage transformer* complying with AS 1243 - accuracy class 0.5;
 - (v) the *reactive energy meter* (if applicable): a *reactive energy meter* complying with the requirements of S9.1.1(a)(1)(i) when tested as an energy *meter* with a 90 degree phase shift of current with respect to *voltage*. The *reactive energy meter* may be combined within the same case as the *active energy meter* and may share common measurement and processing facilities;
 - (2) for installations with annual consumption greater than 750MWh per year:
 - (i) the *active energy meter*: an energy *meter* complying with the performance requirements of AS 1284.9 - accuracy class 0.5S;
 - (ii) the *current transformer* (if applicable): a *current transformer* complying with AS 60044.1 - accuracy class 0.5;
 - (iii) the single phase *voltage transformer* (if applicable): a *voltage transformer* complying with AS 60044.2 - accuracy class 0.5;
 - (iv) the three phase *voltage transformer* (if applicable): a *voltage transformer* complying with AS 1243 - accuracy class 0.5;

- (v) the *reactive energy meter* (if applicable): a *reactive energy meter* complying with the requirements of clause S9.1.1(a)(2)(i) when tested as an *energy meter* with a 90 degree phase shift of current with respect to *voltage*. The *reactive energy meter* may be combined within the same case as the *active energy meter* and may share common measurement and processing facilities; and
- (3) for *prepayment metering installations*, a *meter* complying with the relevant performance requirements of IEC 1036 or AS 1284.5, as appropriate.
- (b) The *minimum standards* of accuracy for *interval metering equipment* are the standards for *metering installations* at *approved connection points* determined in accordance with Chapter 7 of the *National Electricity Rules*.

S9.1.2 SWITCHING AND TIME KEEPING

- (a) Where *tariffs* for the sale of electricity to a *Tariff Customer* in respect of an *electrical installation* are based on different rates according to the time of day, the *metering equipment* must either:
 - (1) include a clock complying with AS 1284.7; or
 - (2) have a clock which is automatically adjusted on each occasion it is accessed electronically, and effectively remains within the time-keeping standards imposed by AS 1284.7.
- (b) Notwithstanding the requirements of S9.1.2(a), clocks associated with *metering* for a *Tariff Customer* need not adjust for daylight saving if the *tariff* under which the *Tariff Customer* is *supplied* does not specify such an adjustment.