



Smart Energy, Sustainable Future

DECISION PAPER

PROPOSED MODIFICATIONS TO THE METERING CODE

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1 Introduction

- 1.1 The Metering Code sets the minimum conditions that a metering service provider must meet in carrying out its obligation to provide services to metered entities. It also sets out the rights and obligations of metering service providers and metered entities in respect of both the wholesale electricity market and the retail electricity market. Specifications for meter installations and equipment are also described in the Code.

2 Proposed modifications to the Metering Code

- 2.1 Pursuant to Section 1.7 of the Metering Code, EMA has sought representations on the proposed modifications to the Metering Code to provide new metering requirements for generation facilities of installed capacity 10MW or lower that are connected to the distribution network and include new technical requirements relating to electricity import. In addition, the proposed modifications seek to provide clarity on the respective Licensees who are required to comply with the Metering Code as a condition of its electricity licence.
- 2.2 Feedback was received from 3 respondents when the consultation closed 10 February 2022. EMA had on 29 Aug 2022 issued a determination paper for the modification of clauses 1.2.1, 1.4.1, 2.1.1, 2.2.3, 2.4.10, 2.4.14 and 4.6.7(i) of the Metering Code. In addition, new clauses 2.4.11 and 2.4.12 were added into the Metering Code as well.

3 EMA's Decision

- 3.1 EMA has since reviewed the remaining feedback which pertain to electricity import and decided to further review the proposed modifications taking into consideration the feedback received (see [Appendix 1](#)). EMA will thereafter issue a new consultation paper to seek representations on the proposed modifications.

EMA's Response to Written Representations

Modification Ref. No.	Clause	Public/ Industry	Comments	EMA's Response
MC/2021/7	1.4.1	PLP	<p>We understand that Singapore aims to tap on regional power grids to access cleaner energy sources. Import of electricity is expected to substantially increase, likely in phases, in the next few years by up to 4GW of low-carbon electricity by 2035.</p> <p>To support the phased increased of electricity imports, the definition of “import facility” and “connection point” should be broadened. As currently written in the proposed modifications, it restricts to installations based in Singapore. We would propose to expand the definition and permit the import license holders to locate meter installations at the point of generation outside of Singapore’s boundaries as there could be scenarios where over time,</p> <ul style="list-style-type: none"> a. Existing import license holders could add GRF in subsequent phases of the development resulting in multiple GRFs sharing a common HVAC/HVDC; and/or b. New import license holders could add a GRF in subsequent phases of development resulting in multiple importers sharing a common HVAC/HVDC. <p>Our proposal would allow multiple units to be registered and recorded accordingly on a per GRF basis under the scenarios above.</p>	<p>EMA notes the feedback pertaining to electricity import. The proposed modifications are being further reviewed. We will issue a new consultation paper for Code modifications relating to electricity import, taking into consideration the feedback received.</p>

Modification Ref. No.	Clause	Public/ Industry	Comments	EMA's Response
MC/2021/15	2.1.3 - New Clause	SP Group	<p>We would like to seek EMA's confirmation and/or clarity who should be the MESP under various import scenarios, specifically:</p> <ol style="list-style-type: none"> 1. <u>Directly connected to SPPA substation or facility with multiple importers using the same point e.g. TNB interconnector:</u> SPPA will remain as the MESP for the TNB interconnection and that the same setup as TNB will be applied for any future shared import facilities. 2. <u>Directly connected to SPPA substation or facility with single importer:</u> We propose that the importer, who is the MESP, appoints SPPA to procure, operate and maintain the meter in SPPA's substation or facilities. 3. <u>Import facility landing in and is connected to existing Genco and sharing same meter and injection point:</u> Genco/Importer will maintain status quo arrangement and be the MESP. They will own, operate and maintain the meters that are installed in their facilities. <p>We would also like to highlight that the metering of the imports will be in AC after conversion of the DC imports.</p>	EMA notes the feedback pertaining to electricity import. The proposed modifications are being further reviewed. We will issue a new consultation paper for Code modifications relating to electricity import, taking into consideration the feedback received.