e-REW Express

November 2022

Welcome

to our "e-REW Express". Before arranging the connection of Renewable Energy Power Systems (REPS) to HK Electric's grid (the Grid), applicant is required to submit a "Commissioning Report for Renewable Energy Power System" to demonstrate that the REPS has been properly installed, tested and commissioned for the grid connection. To facilitate applicant in the preparation of the report, HK Electric has revamped it with a template on our website. In this issue of "e-REW Express", some key updates of the commissioning report will be introduced.

If you have any suggestions, please send an email to us via mail@hkelectric.com or contact our Customer Installation Department on 2887 3455.

Highlights of Major Updates in the Commissioning Report for Renewable Energy Power System (REPS)

1. 3G & 4G Signal Measurement Result

To ensure a successful transmission of electricity generation data from the REPS and the electricity consumption data associated with the premises where the REPS is installed, both the RE meter and the electricity account meter should be adequately covered with 3G / 4G telecommunication signal. A capture of the test results on uploading/downloading speed in 3G / 4G signal is required to be provided in the commissioning report. Such tests at the two meter locations can be carried out by using the latest version of OFCA Broadband Performance Test. The test result samples are shown in Figures 1 and 2.

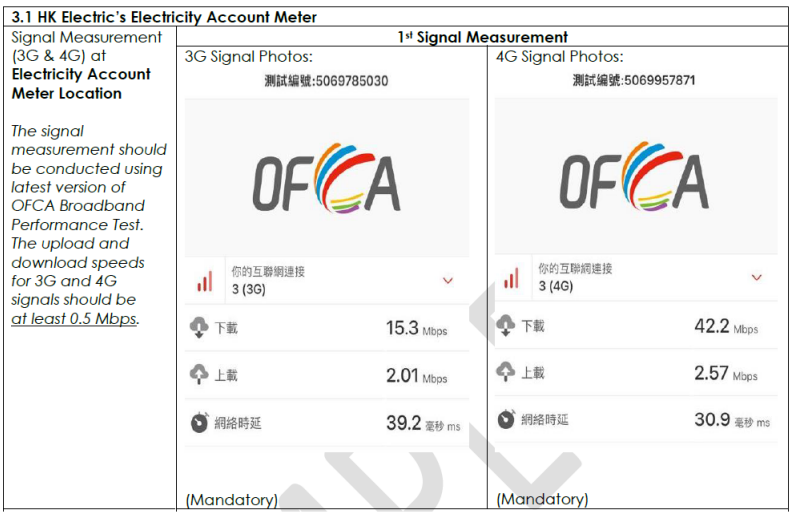

Figure 1 – Result of Signal Measurement at the Location of Existing Electricity Account Meter

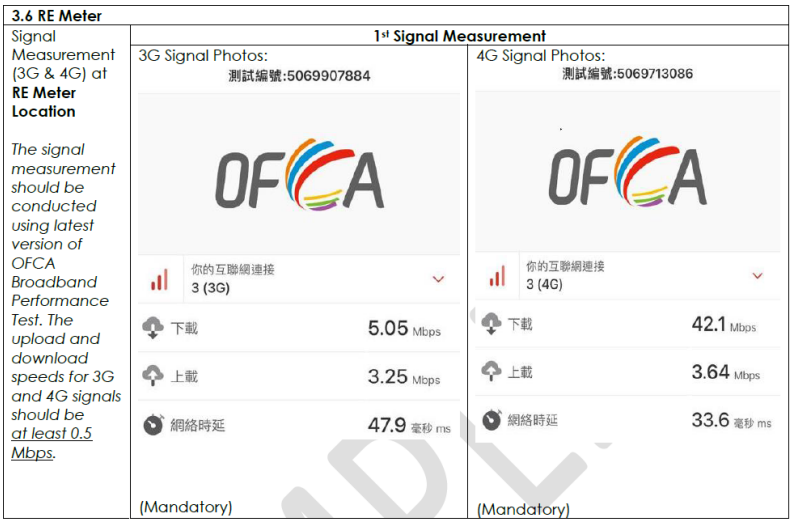

Figure 2 – Result of Signal Measurement at the Location of RE Meter

2. Locations with Dual Power Supply Warning Labels

To demonstrate that proper dual power supply warning labels have been provided for the REPS, photos taken at strategic locations (as highlighted in Figure 3) showing the installed labels are required. Those locations include, but not limited to, the lockable main switch before and after RE meter, main switch of existing electricity account meter, corresponding main incomer, section switch and main switch of backup supply. Some samples of the photos to be submitted in the commissioning report are shown in Figure 4.

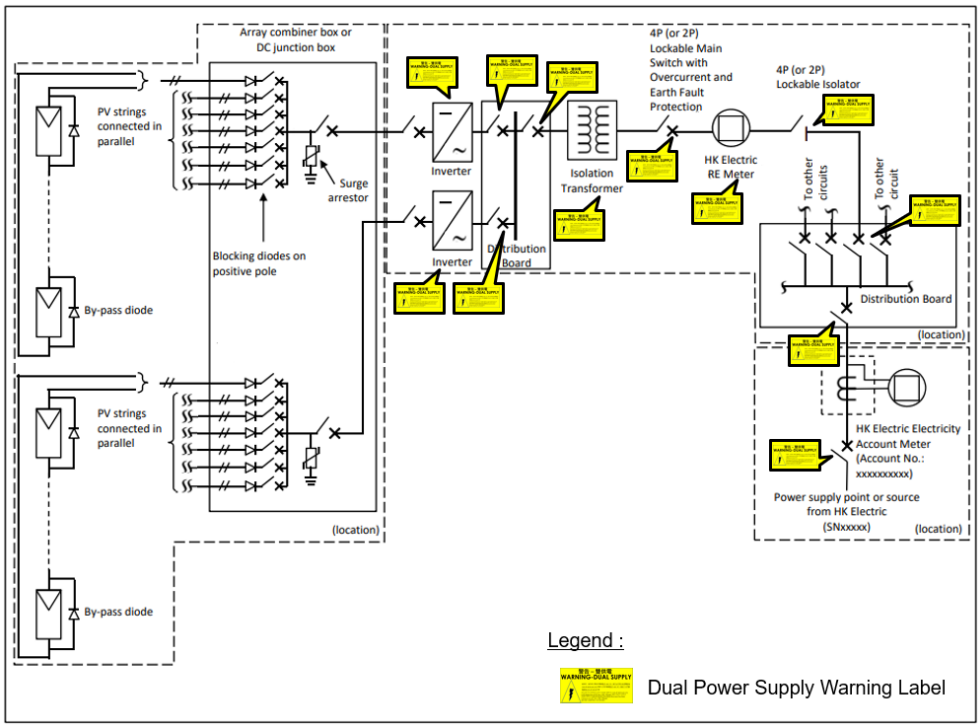

Figure 3 – Required Locations for Dual Power Supply Warning Labels

Figure 4 – Sample of Photos for the Dual Power Supply Warning Labels Taken at Strategic Locations

3. Locations for Communication Labels

Communication label with the address of the REPS and the supply point number of HK Electric should be provided at the locations of the section switch and/or the main switch of backup supply of the existing electricity account meter. Photos of such labels should be submitted in the commissioning report. Some photo samples are provided in Figure 5 for reference.

3.8 Communication Labels
(Sample shown in Appendix 3)

At Section Switch
Photo of Communication Label (including Switch):

At Main Switch of Backup Supply for Existing Electricity Account Meter (showing the SN)
Photo of Communication Label (including Switch):

Figure 5 – Sample of Photos for Communication Labels at Section Switch and/or Main Switch of Backup Supply for Existing Electricity Account Meter

For further details, you may visit our website below for downloading a sample and/or a template of the commissioning report for REPS.

https://www.hkelectric.com/en/smart-power-services/feed-in-tariff-scheme/applicationformsandschemedocuments