



JGCRP Meeting

Welcome to all members.

9 November 2022.

Agenda

- **Introduction:**

- Welcome Members;
- Minutes and Actions from [Previous Meeting](#) (go to 14 June 2022).

-

- **Updates:**

- Synchronous Condenser Grid Code Implementation Note;
- Grid Code Incorporation of Implementation Note for ESPS (Energy Storage Power Stations);
- CRU;
- Utility Regulator.

- **AOB.**

Synchronous Condenser Grid Code Implementation Note

- EirGrid and SONI have now published their joint Synchronous Condenser Grid Code Implementation Note on EirGrid and SONI websites.
- The Implementation Note has been written to offer guidance to those planning to connect Synchronous Condensers Units (SCU) in order to provide system services within Ireland and Northern Ireland, specifically in relation to the application of Grid Codes within both jurisdictions.
- Industry feedback and the TSOs' operational experience will then be used to develop further versions of this Implementation Note, which will subsequently be incorporated into the EirGrid and SONI Grid Codes after undergoing the standard Grid Code modification process.
- Should you require any further information, please contact us at SOEF@EirGrid.com

Incorporation of Battery ESPS Grid Code Implementation Note – Approach Philosophy

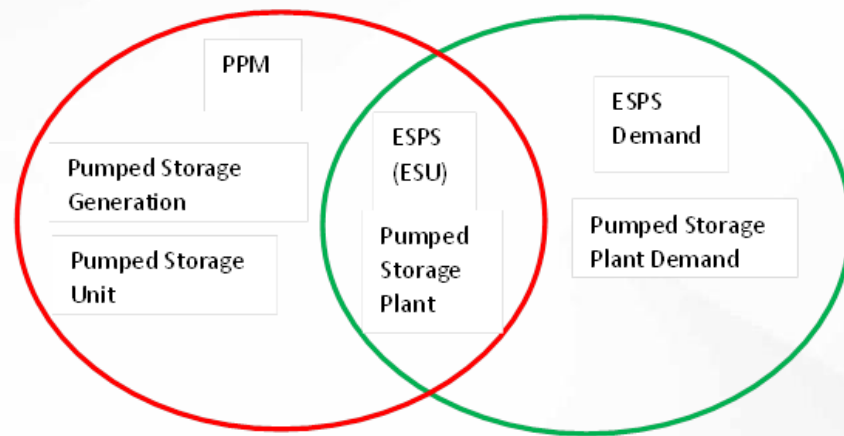
- The purpose of the separate modification proposals are to incorporate the Battery ESPS Grid Code Implementation Note Version 3.
- Scope is limited to areas of the GC listed in the Implementation Note.
- Approach:
 - Minimise amendments to the Grid Code where appropriate
 - Amendments to consider current storage situation – non-RfG
 - Amendments do not include operational guidance from Implementation Note

Incorporation of Battery ESPS Grid Code Implementation Note – Definition

- Choice of definition for Battery was key to both proposals
- 3 main characteristics to define:
 - Consumes, stores and generates electricity
 - Non-synchronous
 - Controllable
- Using existing (common) definitions would reduce amendments

Generate Electricity

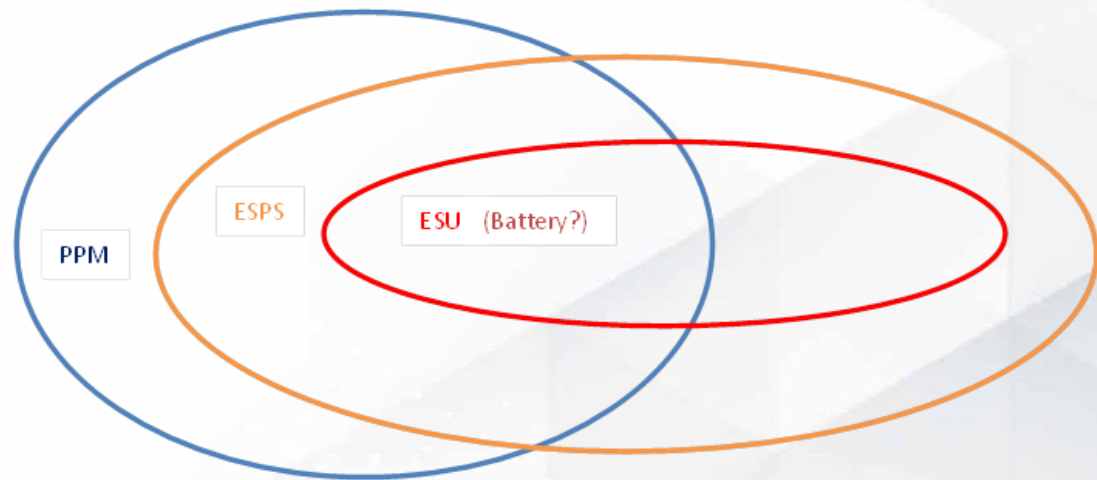
Consume Electricity



PPM is non-synch and a generation unit

ESU is a Gen Unit as or part of a PPM

ESPS contains an ESU and is controllable



ESPS/ESU are only part of a PPM (Gen Unit) as

ESPS/ESU may also consume as well as generate electricity, hence

ESPS Demand is an ESU in its operation of consuming Energy.

- Top figure shows current GC definitions for 'storage' with respect to generating and consuming electricity
- Bottom figure shows ESUS/ESU are part of PPM
- For storage units, only a Battery (ESU) is both non-synchronous and controllable

Regulatory Update

CRU

Utility Regulator



Thank you.

We will circulate the draft minutes by 23 November.