

**Grid Code
Modification
Recommendation Form**



Title of Recommended Proposal:

Incorporation of the DCC Operational Notification Process into the Grid Code

MPID: MPID 282

Date:	10 August 2020
Recommended at GCRP Meeting No.:	02 July 2020
Grid Code Version:	8.0
Grid Code Section(s) Impacted by Recommended Proposal:	CC.15 Commissioning and Notification

The Reason for the Recommended Modification:

Commission Regulation (EU) 2016/1388 of 17 August 2016 establishing a Network Code on Demand Connection (hereafter referred to as **DCC**) aims to establish a set of common, minimum requirements and principles for demand connections across EU Member states to enable the appropriate use of demand facilities' and distribution systems' capabilities to increase system security, facilitate trade and assist in the integration of renewable sources.

The CRU issued a [decision](#) to extend the "existing classification" date to 7 September 2019, in line with the full go-live date of the DCC. This means that for all relevant demand connections connecting after the 7 September 2019 the DCC requirements will apply, unless the facility owner has concluded a final and binding contract for purchase of the main plant before the 7 September 2019 and has provided evidence of same as required by DCC.

On the 20 December 2019, EirGrid submitted Grid Code version 9 to the CRU for approval which includes the incorporation of the DCC technical parameters. Following on from this, three mandatory exhaustive sections from DCC need to be incorporated into Grid Code to close out the harmonisation of DCC with the Grid Code. These sections are as follows:

- Operational Notification Process;
- Derogations Process; and
- Compliance.

This modification proposal covers the incorporation of the Operational Notification Process, as described in DCC Articles 22 to 26.

This modification proposal provides for a certification process for connection of transmission-connected demand facility, transmission-connected closed distribution system and distribution system as described in DCC. EirGrid will develop an EirGrid business processes to support Demand Facility Owner, Closed Distribution System Operator and DSO during this process.

For reference, the full text of the DCC is available on the [ENSTO-E website](#).

History of Progression through GCRPs, Working Group and/or Consultation:

On the 2 July 2020 this modification proposal was presented to the GCRP members.

No comments or objections were raised by the GCRP members in relation to the proposed modification.

It was recommended by the GCRP members that the TSO issue a modification recommendation paper to the CRU for their review and approval.

Summary Note of any Objections to the Recommended Change from GCRP Members or Consultation Responses:

No objections were raised by the GCRP members in relation to the recommended change.

Outcome of any GCRP Meeting Actions Relating to the Recommended Modification:

During the 2 July 2020 GCRP meeting, EirGrid took an action to bring a DCC User Operational Notification business process to the panel members at the next GCRP meeting, this meeting is due to take in Q4 2020.

Red-line Version of Impacted Grid Code Section(s) - show recommended changes to text:

Deleted text in ~~strike-through red font~~ and new text highlighted in blue font



CC.15.13 The **Demand Facility Owner, Closed Distribution System Operator** and **DSO** shall demonstrate to the **TSO** that it has complied with **DCC Unit** requirements by successfully completing the operational notification procedure for connection of each **Demand Facility, Distribution Facility** and **Distribution System**.

CC.15.14 **Operational Notification Procedure**
The operational notification procedure for connection of each **Demand Facility, Distribution Facility** and **Distribution System** requires the completion of three sequential processes, consisting of:

- energisation operational notification (EON);
- interim operational notification (ION); and
- final operational notification (FON).

CC.15.14.1 Energisation Operational Notification
The **TSO** will issue an EON to the **Demand Facility Owner, Closed Distribution System Operator** and **DSO** for a **Demand Facility, Distribution Facility** and **Distribution System**, subject to completion of the EON checklist. This checklist will require agreement on the protection and control settings relevant to the **Connection Point**.

Upon receipt of the EON, a **Demand Facility Owner, Closed Distribution System Operator** and **DSO** may energise its internal network and auxiliaries for the associated **Demand Facility, Distribution Facility** or **Distribution System** by using the grid connection that is specified for the **Connection Point**.

CC.15.14.2 Interim Operational Notification
The **TSO** will issue an ION to the **Demand Facility Owner, Closed Distribution System Operator** and **DSO** for a **Demand Facility, Distribution Facility** and **Distribution System** subject to completion of the ION checklist.



Upon receipt of the ION, a **Demand Facility Owner, Closed Distribution System Operator** and **DSO** may operate the associated **Demand Facility, Distribution Facility** or **Distribution System**, by using the grid connection that is specified for the **Connection Point** for a limited time period. The limited period of time shall be agreed with the **TSO** and shall not be longer than 24 months. An extension to this period of time may be granted via a derogation undertaken according to GC.9.4, if the **Demand Facility Owner, Closed Distribution System Operator** or **DSO** can demonstrate sufficient progress towards full compliance and outstanding issues are clearly identified.

CC.15.14.3 Final Operational Notification

CC.15.14.3.1 The **TSO** will issue a FON to the **Demand Facility Owner, Closed Distribution System Operator** or **DSO** for a **Demand Facility, Distribution Facility** or **Distribution System**, subject to completion of the FON checklist.

Upon receipt of the FON, a **Demand Facility Owner, Closed Distribution System Operator** or **DSO** may operate the associated **Demand Facility, Distribution Facility** or **Distribution System** and generate power by using the grid connection that is specified for the **Connection Point**.

CC.15.14.3.2 If the **TSO** identifies a reason not to issue a FON, the **Demand Facility Owner, Closed Distribution System Operator** or **DSO** may seek a derogation via the process described in GC.9.4.

Where a request for a derogation is rejected, the **TSO** shall have the right to refuse to allow the operation of the **Demand Facility, Distribution Facility** or **Distribution System** until the **Demand Facility Owner, Closed Distribution System Operator** or **DSO** and the **TSO** resolve the incompatibility and the **TSO** considers that the **Demand Facility, Distribution Facility** or **Distribution System** is compliant with **Grid Code**.

If the **TSO** and the **Demand Facility Owner, Closed Distribution System Operator** or **DSO** do not resolve the incompatibility within a reasonable time frame, but in any case not later than 6 months after the notification of the rejection of the request for a derogation, each party may refer the issue for decision to the **CRU**.



CC.15.15 Limited Operational Notification

CC.15.15.1 A **Demand Facility Owner, Closed Distribution System Operator** or **DSO** issued with a FON shall inform the **TSO** within 24 hours of the incident, in the following circumstances:

- the facility is temporarily subject to either significant modification or loss of capability affecting its performance; or
- equipment failure leading to non-compliance with some relevant requirements.

A longer time to inform the **TSO** can be agreed with the **Demand Facility Owner, Closed Distribution System Operator** or **DSO** depending on the nature of the changes.

CC.15.15.2 A **Demand Facility Owner, Closed Distribution System Operator** or **DSO** shall apply to the relevant system operator for a limited operational notification (LON), if the **Demand Facility Owner, Closed Distribution System Operator** or **DSO** reasonably expects the circumstances described in CC.15.15.1 to persist for more than three months.

CC.15.15.3 The **TSO** will then issue a LON containing the following information:

- the unresolved issues justifying the granting of the LON;
- the responsibilities and timescales for the expected solution; and
- a maximum period of validity which shall not exceed 12 months. The initial period granted may be shorter with the possibility of an extension if evidence is submitted to the satisfaction of the **TSO** demonstrating that substantial progress has been made towards achieving full compliance.

CC.15.15.4 The FON shall be suspended during the period of validity of the LON with regard to the items for which the LON has been issued.

CC.15.15.5 A further extension of the period of validity of the LON may be granted upon a request for a derogation, via the process described in GC.9.4, made to the **TSO** before the expiry of that period.



CC.15.15.6 The **TSO** shall have the right to refuse to allow the operation of the **Demand Facility, Closed Distribution System or Distribution System**, once the LON is no longer valid. In such cases, the FON shall automatically become invalid.

CC.15.15.7 If the **TSO** does not grant an extension of the period of validity of the LON in accordance with CC.15.15.5 or if it refuses to allow the operation of the **Demand Facility, Distribution Facility or Distribution System** once the LON is no longer valid in accordance with CC.15.15.6, the **Demand Facility Owner, Closed Distribution System Operator or DSO** may refer the issue for decision to the **CRU** within six months after the notification of the decision of the **TSO**.

Green-line Version of Impacted Grid Code Section(s) - show recommended final text:



CC.15.13

The **Demand Facility Owner, Closed Distribution System Operator** and **DSO** shall demonstrate to the **TSO** that it has complied with **DCC Unit** requirements by successfully completing the operational notification procedure for connection of each **Demand Facility, Distribution Facility** and **Distribution System**.

CC.15.14

Operational Notification Procedure

The operational notification procedure for connection of each **Demand Facility, Distribution Facility** and **Distribution System** requires the completion of three sequential processes, consisting of:

- energisation operational notification (EON);
- interim operational notification (ION); and
- final operational notification (FON).

CC.15.14.1

Energisation Operational Notification

The **TSO** will issue an EON to the **Demand Facility Owner, Closed Distribution System Operator** and **DSO** for a **Demand Facility, Distribution Facility** and **Distribution System**, subject to completion of the EON checklist. This checklist will require agreement on the protection and control settings relevant to the **Connection Point**.

Upon receipt of the EON, a **Demand Facility Owner, Closed Distribution System Operator** and **DSO** may energise its internal network and auxiliaries for the associated **Demand Facility, Distribution Facility** or **Distribution System** by using the grid connection that is specified for the **Connection Point**.

CC.15.14.2

Interim Operational Notification

The **TSO** will issue an ION to the **Demand Facility Owner, Closed Distribution System Operator** and **DSO** for a **Demand Facility, Distribution Facility** and **Distribution System** subject to completion of the ION checklist.



Upon receipt of the ION, a **Demand Facility Owner, Closed Distribution System Operator** and **DSO** may operate the associated **Demand Facility, Distribution Facility** or **Distribution System**, by using the grid connection that is specified for the **Connection Point** for a limited time period. The limited period of time shall be agreed with the TSO and shall not be longer than 24 months. An extension to this period of time may be granted via a derogation undertaken according to GC.9.4, if the **Demand Facility Owner, Closed Distribution System Operator** or **DSO** can demonstrate sufficient progress towards full compliance and outstanding issues are clearly identified.

CC.15.14.3 Final Operational Notification

CC.15.14.3.1 The **TSO** will issue a FON to the **Demand Facility Owner, Closed Distribution System Operator** or **DSO** for a **Demand Facility, Distribution Facility** or **Distribution System**, subject to completion of the FON checklist.

Upon receipt of the FON, a **Demand Facility Owner, Closed Distribution System Operator** or **DSO** may operate the associated **Demand Facility, Distribution Facility** or **Distribution System** and generate power by using the grid connection that is specified for the **Connection Point**.

CC.15.14.3.2 If the **TSO** identifies a reason not to issue a FON, the **Demand Facility Owner, Closed Distribution System Operator** or **DSO** may seek a derogation via the process described in GC.9.4.

Where a request for a derogation is rejected, the **TSO** shall have the right to refuse to allow the operation of the **Demand Facility, Distribution Facility** or **Distribution System** until the **Demand Facility Owner, Closed Distribution System Operator** or **DSO** and the **TSO** resolve the incompatibility and the **TSO** considers that the **Demand Facility, Distribution Facility** or **Distribution System** is compliant with **Grid Code**.

If the **TSO** and the **Demand Facility Owner, Closed Distribution System Operator** or **DSO** do not resolve the incompatibility within a reasonable time frame, but in case not later than 6 months after the notification of the rejection of the request for a derogation, each party may refer the issue for decision to the **CRU**.



CC.15.15 Limited Operational Notification

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- the unresolved issues justifying the granting of the LON;
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CC.15.15.4 The FON shall be suspended during the period of validity of the LON with regard to the items for which the LON has been issued.

CC.15.15.5 A further extension of the period of validity of the LON may be granted upon a request for a derogation, via the process described in GC.9.4, made to the TSO before the expiry of that period

CC.15.15.6 The TSO shall have the right to refuse to allow the operation of the **Demand Facility, Closed Distribution System** or **Distribution System**, once the LON is no longer valid. In such cases, the FON shall automatically become invalid.

CC.15.15.7 If the TSO does not grant an extension of the period of validity of the LON in accordance with CC.15.15.5 or if it refuses to allow the operation of the **Demand Facility, Distribution Facility** or **Distribution System** once the LON is no longer valid in accordance with CC.15.15.6, the **Demand Facility Owner, Closed Distribution System Operator** or **DSO** may refer the issue for decision to the CRU within six months after the notification of the decision of the TSO.