



Subject: GSTP011_A1 – Global Infrastructure and Networks Dynamic
Boundary Reclosure (DBR) automation for RGDM

Application Areas

Perimeter: *Global*
Staff Function: -
Service Function: -
Business Line: *Infrastructure & Networks*

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THE HEAD OF SMART GRID

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1. DOCUMENT AIMS AND APPLICATION AREA

This document defines the characteristics of the Smart Grid Devices for running DBR automation.

This document applies to RGDM.

1.1 RELATED ORGANIZATIONAL DOCUMENTS TO BE IMPLEMENTED AT COUNTRY LEVEL

This document applies within Global Infrastructure and Networks and each Company must not issue additional documents.

2. DOCUMENT VERSION MANAGEMENT

Version	Date	Main changes description
1	18/12/2020	Issuing of Global Infrastructure and Networks Dynamic Boundary Reclosure (DBR) automation for RGDM

3. UNITS IN CHARGE OF THE DOCUMENT

Responsible for drawing up the document:

- Global Infrastructure and Networks: Network Technology / Smart Grid

Responsible for authorizing the document:

- Global Infrastructure and Networks: Head of Smart Grid unit
- Global Infrastructure and Networks: Head of Quality unit

4. REFERENCES

- Enel Group Code of Ethics;
- The Enel Group Zero Corruption Tolerance (ZCT) Plan;
- Organizational and management model as per Italian Legislative Decree no. 231/2001 or equivalent documents adopted in the Countries;
- Enel Human Rights Policy;
- Stop Work Policy;
- Enel Global Compliance Program (EGCP);
- Global Infrastructure and Networks RACI Handbook;
- GSTP011: Protection and control device for MV substation – RGDM control unit

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5. ORGANIZATIONAL PROCESS POSITION IN THE PROCESS TAXONOMY

Value Chain /Process Area: Networks Management
Macro process: Materials management
Process: Network components standardization

6. DEFINITIONS AND ACRONYMS

Acronym and Key words	Description
RGDM	Protection and Measurements device for MV network
Dynamic Boundary Reclosure (DBR)	Automation function based on Dynamic Boundary Reclosure
Protection Function (FdP)	Generic Protection Function implemented in the device
RVL	Voltage detection on the line on which the RGDM is installed

7. DESCRIPTION

7.1 DBR LOGIC

The RGDM will have an automation function with the following characteristics:

- Enabled/not enabled;
- When enabled, the **BLIND** logic is used;
- DropOff times on start-ups for all the FdP must be provided; range from 0 to 100 sec, step 0,01 sec;
- The function must be enabled for each single FdP, which enables the trip with the absence of RVL.