

ID/DRUD model for demand units

Installation document/Demand response unit document model in accordance with the [NRA Order no. 176 of 07.09.2019](#) approving the Notification Procedure for the connection of demand facilities/nodes and verification of compliance of demand facilities/nodes with technical requirements for connection to the public electricity networks

- **The Installation document (ID) for demand facility or closed distribution system with demand response and connected at the voltage level equal or below 1000 V,** contains at least the following information:
 - a) networking scheme, connection scheme, equipment and technical characteristics for demand units providing demand response;
 - b) maximum variation capabilities of demand response, specifying the maximum and minimum active power as well as the injected / absorbed reactive power. For the aggregated demand units is defined the maximum capacity of variation of the active power resulting at the level of the aggregation as well as the values of maximum and minimum capacity respectively for each aggregated demand unit;
 - c) type of the demand responses provided by demand facility or closed distribution system;
 - d) the certificate of the relevant equipment providing demand response or, if not available, a complete declaration of conformity / equivalent information enabling the demand unit to be integrated into the network model of the RSO;
 - e) the contact details of the demand facility owner, of the closed distribution system operator or of the aggregator.

- **The Demand response unit document (DRUD) for demand facility or closed distribution system with demand response and connected at the voltage level above 1000 V,** contains at least the following information:

The content of the DRUD must include at least the information set out in the **content of ID** and

 - a declaration of conformity concerning the requirements for the requested demand response, or the results of tests / simulations / monitorings carried out to prove conformity.

- (1) **The content of ID/DRUD** is differentiated by types and categories of demand responses, according to the provisions of paragraph (3);
- (2) For the demand units with demand response which provides several demand response a ID/DRUD is drawn up for each type of demand response.
- (3) The ID/DRUD is drawn up for each category of demand response defined in the technical connection Norm as follows:
 - a) demand responses remotely controlled for:
 - (i) active power control of the demand response;
 - (ii) reactive power control of the demand response;
 - (iii) network congestion management with the help of demand response.

 - b) demand responses autonomously controlled (decentralized, automatic) for:
 - (i) demand response to the frequency deviations;
 - (ii) very fast control of the active power demand.