

JWG C4-C6.35

“Modelling and Dynamic Performance of Inverter based Generation in Power System Transmission and Distribution Studies”, Convenor: Alberto Cerretti, ENEL

Scope:

- Identify basic parameters to describe the dynamic characteristics of systems with large share of converters.
- Develop generic “standard models”, approximately valid for a wide range, applicable in case of lack of detailed dynamic data of the DS to be modeled. The models will refer to individual distribution systems as seen at the HV-MV.

Deliverables:

A technical report providing practical guidelines for modeling dynamic characteristics of distribution systems with significant distributed energy resources, as seen at the secondary terminals of the HV-MV transformer. An annex providing a library of typical generic standard models is elaborated.

Kick-off-meeting 6-7th March 2014, ENEL, Distribuzione DTR Triveneto,