Control reactive power of DER unit

Link to explanations, examples and the selection list for indicated fields, please refer to document "Use Case Description draft ver0.55"

<http://www.cen.eu/cen/Sectors/Sectors/UtilitiesAndEnergy/SmartGrids/Pages/default.aspx>

Version of Template: 0.55, Sept 2011

# Description of the Use Case

* + *General*
  + *Name of Use Case*

|  |  |  |  |
| --- | --- | --- | --- |
| ***ID*** | ***Domain*** | ***Name of Use Case*** | ***Level of Depth***  *Cluster, High Level Use Case, Detailed Use Case* |
| WGRA-0701 | - | Control reactive power of DER unit | - |

* + *Version Management*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Changes / Version*** | ***Date*** | ***Name  Author(s) or Committee*** | ***Domain Expert*** | ***Area of Expertise / Domain / Role*** | ***Title*** | ***Approval Status***  *draft, for comments, for voting, final* |
| - | - | - | - | - | - | - |

* + *Basic Information to Use Case*

|  |  |  |
| --- | --- | --- |
| ***Source(s) / Literature*** | ***Link*** | ***Conditions (limitations) of Use*** |
| - | - | - |

|  |  |
| --- | --- |
| ***Relation to Higher Level Use Case*** | |
| ***Cluster*** | ***Higher Level Use Case*** |
| - | - |

|  |
| --- |
| ***Maturity of Use Case*** *- in business operation, realized in demonstration project, realised in R&D, in preparation, visionary* |
| - |
| ***Prioritisation*** |
| - |
| ***Generic, Regional or National Relation*** |
| - |
| ***View*** *- Technical / Business* |
| - |
| ***Further Keywords for Classification*** |
| - |

* + *Scope and Objectives of Use Case*

|  |
| --- |
| ***Scope and Objectives of Function*** |
| **Monitor voltage level in distribution grid, control reactive power of DER unit, volt/var control of distribution grid** |

* + *Narrative of Use Case*

|  |
| --- |
| ***Narrative of Use Case*** |
| ***Short description*** *- max 3 sentences* |
| - |
| ***Complete description*** |
| - |

* + *Actors: People, Systems, Applications, Databases, the Power System, and Other Stakeholders*

|  |  |  |
| --- | --- | --- |
| ***Actor Name*** | ***Actor Type*** | ***Actor Description*** |
| Grid | System |  |
| Distributed Generation | - |  |
| Distrubbution IED | - |  |

* + *Issues: Legal Contracts, Legal Regulations, Constraints and others*

|  |  |  |
| --- | --- | --- |
| ***Issue -*** ***here specific ones*** | ***Impact of Issue on Use Case*** | ***Reference -*** *law, standard, others* |
| - | - | - |

* + *Preconditions, Assumptions, Post condition, Events*

|  |  |  |  |
| --- | --- | --- | --- |
| ***Actor/System/Information/Contract*** | ***Triggering Event*** | ***Pre-conditions*** | ***Assumption*** |
| ***-*** | - | - | - |

* + *Referenced Standards and / or Standardization Committees (if available)*

|  |  |  |
| --- | --- | --- |
| ***Relevant Standardization Committees*** | ***Standards supporting the Use Case*** | ***Standard Status*** |
| - | - | - |

* + *General Remarks*

|  |
| --- |
| ***General Remarks*** |
| - |

# Drawing or Diagram of Use Case

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| --- |
| ***Drawing or Diagram of Use Case*** ***- recommended "context diagram" and "sequence diagram" in UML*** |
| - |

# Step by Step Analysis of Use Case

| **S.No** | **Primary Actor** | **Triggering Event** | **Pre-Condition** | **Post-Condition** |
| --- | --- | --- | --- | --- |
| - | - | - | - | - |