

# Summary of Terminology Changes Relative to Those in Version 5 of the NERC Functional Model

## 1. Balancing Authority (BA):

"The functional entity that integrates resource plans ahead of time, maintains generation-load-interchange balance within a Balancing Authority Area, and contributes to the regulation of Interconnection frequency in real time."

This definition is that given in the SAR on terminology, with the exception of the addition of "the regulation of", which arose in consideration of comments received on the SAR.

## 2. Compliance Enforcement Authority (CEA):

"The functional entity that monitors, reviews, and ensures compliance with reliability standards and administers sanctions or penalties for non-compliance with reliability standards."

This definition is that given in the SAR on terminology, with the exception that "with reliability standards" replaces "to the reliability standards", to reflect usage in the Rules of Procedure.

As a follow-on to the SAR, it is recommended that the term "Compliance Monitor", which is replaced by CEA as a functional entity, be retained in the glossary for a transition period because of references elsewhere in NERC's existing documentation to "Compliance Monitor".

This could be accomplished by redefining Compliance Monitor as:

"Compliance Monitor: See Compliance Enforcement Authority."

## 3. Distribution Provider (DP)

"The functional entity that provides and operates facilities that interconnect end-use customer load and the electric system for the transfer of electrical energy to the end-use customer."

This definition is that given in the SAR on terminology, with the exception of the addition of "and operates", which arose in consideration of comments received on the SAR.

#### 4. Generator Operator (GOP)

"The functional entity that operates generating unit(s) and performs the functions of supplying energy and reliability-related services."

This definition is that given in the SAR on terminology, with the exception of the addition of replacing "Reliability-related Services" with "reliability-related services", which arose in consideration of comments received on the SAR, in particular, the decision to retain reliability-related services as a generic term, rather than a defined term.

#### 5. Generator Owner (GO)

"The functional entity that owns and maintains generating units."

This definition is that given in the SAR on terminology.

#### 6. IOS and reliability-related services

As noted above in connection with GOP, consideration of comments received on the SAR resulted in the decision to retain "reliability-related services" as a generic term, rather than a defined term, to be used in place of the defined term IOS.

Accordingly, it is recommended to modify the glossary definition of IOS given in the SAR with:

"The term "reliability-related services" should be used in new or revised standards and NERC documents generally, in place of IOS."

The definition of "Reliability-related services" given in the SAR would be dropped, consistent with "reliability-related services" being a generic term rather than a defined term.

#### 7. Load-Serving Entity (LSE)

"The functional entity that secures energy and transmission service (and reliability-related services) to serve the electrical demand and energy requirements of its end-use customers."

This definition is that given in the SAR on terminology, except for changing "reliability-related Services" to "reliability-related services", consistent with the term being generic rather than defined.

#### 8. Planning Coordinator (PC)

"The functional entity that coordinates, facilitates, integrates, and evaluates transmission facility plans, service plans, and resource plans, and coordinates those plans with adjoining Planning Coordinators."

This definition is that given in the SAR on terminology, with the exception of the deletion of "(generally one year and beyond)" and the deletion of references to "areas" (of Planning Coordinators), which arose in consideration of comments received on the SAR. In addition, minor editorial changes were made to better link the three types of plans (facility, service and resource).

The FMWG concluded that it is inappropriate and unnecessary to add the phrase "generally one year and beyond" to specify the time frame for assessments performed by certain functional entities (Planning Coordinators, Transmission Planners and Resource Planners) because the time frame varies from one organization to another, and there can be overlapping periods among these assessments for reliability need. Where there is a need to specify the time frame within which a responsible entity needs to perform its tasks, this should be done in the reliability standards and/or registration processes, as appropriate.

The FMWG discussed the need to define Planning Coordinator area and concluded that the planning functions can span areas beyond any pre-defined footprints. Accordingly, the word "area" was dropped from the definitions for the Planning Coordinator, Resource Planner and Transmission Planner.

## **9. Purchasing-Selling Entity (PSE)**

"The functional entity that purchases and/or sells energy, capacity and reliability-related services."

This definition is that given in the SAR on terminology, with the exception of the addition of replacing "Reliability-related Services" with "reliability-related services", and the deletion of "and takes title to", which arose in consideration of comments received on the SAR.

As noted above, the FMWG concluded it was best to retain reliability-related services as a generic term, rather than a defined term.

The taking of title was judged to be implicit in purchasing of energy, and hence not appropriate for inclusion in the definition.

## **10. Reliability Coordinator (RC)**

"The functional entity that maintains the real-time operating reliability of the Bulk Electric System within a Reliability Coordinator Area and among adjoining Reliability Coordinator Areas."

This definition is that given in the SAR on terminology, with the exception of replacing "Real-time" with "real-time", and adding "and among adjoining Reliability Coordinator Areas", which arose in consideration of comments received on the SAR.

NERC standards make use of both "Real-time" and "real-time", but the latter is used more frequently and hence is preferable from consistency considerations.

Coordination with adjoining areas is seen as an essential RC task that merits inclusion in the definition. The word "adjoining", which is in the definition of PC, is judged superior to the alternative of "adjacent", by connoting a stronger sense of electrical connection between the areas in question.

### **11. Resource Planner (RP)**

"The functional entity that develops plans for the resource adequacy of specific loads (customer demand and energy requirements)."

This definition is that given in the SAR on terminology, with the exception deleting reference to "(generally one year and beyond)", and deleting reference to "area", which arose in consideration of comments received on the SAR.

Please see the explanation above for PC regarding these two changes.

### **12. Transmission Operator (TOP)**

"The functional entity that ensures the real-time operating reliability of the transmission assets within a Transmission Operator Area."

This definition is that given in the SAR on terminology, with the exception of replacing "Real-time" with "real-time", and replacing "area", by "Area".

NERC standards make use of both "Real-time" and "real-time", but the latter is used more frequently and hence is preferable from consistency considerations.

The FMWG agreed that because the authority of the TOP will extend over a defined area, "Area" is preferable to "area".

### **13. Transmission Owner (TO)**

"The functional entity that owns and maintains transmission facilities."

This definition is that given in the SAR on terminology.

### **14. Transmission Planner (TP)**

"The functional entity that develops plans for the reliability (adequacy) of interconnected bulk electric transmission systems."

This definition is that given in the SAR on terminology, with the exception deleting reference to "(generally one year and beyond)", and deleting reference to "area", which arose in consideration of comments received on the SAR.

Please see the explanation above for PC regarding these two changes.

## 15. Transmission Service Provider (TSP)

"The functional entity that administers the transmission tariff and provides Transmission Service to Transmission Customers under applicable transmission service agreements."

This definition is that given in the SAR on terminology.

## 16. Implementation Plan

The changes in definitions that result from the present SAR will be incorporated in the NERC Glossary of Terms and the NERC Statement of Compliance Registry Criteria.

Follow-up for Version 6 of the Model includes incorporating the definitions that result from the present SAR in both the Model and Technical Document.

Drafting teams will be advised of the definition changes once they are approved.

The question of incorporating the changed definitions in existing standards will be referred to the Standards Committee. The FMWG has suggested administratively efficient ways this might be done.

## 17. Other Comments - Editorial Matters

### Reliability Assurer (RA)

The FMWG proposes adding a definition in the glossary for Reliability Assurer (RA). While RA is not currently in the NERC glossary, it is defined in the SAR template sheet. Consistency therefore supports its definition in the glossary.

The current definition is: "Monitors and evaluates the activities related to planning and operations, and coordinates activities of Responsible Entities to secure the reliability of the bulk power system within a Reliability Assurer area and adjacent areas."

The proposed definition is:

*"The functional entity that monitors and evaluates the activities related to planning and operations, and coordinates activities of functional entities to secure the reliability of the Bulk Electric System."*

Given that the RA has not to date been extensively addressed within NERC, it is premature to specify a defined area for the RA and to preclude overlaps, etc. For this reason we have removed "within a Reliability Assurer area and adjacent areas", similar to the case of the PC, TP and RP.

### Editorial Matters

A number of editorial matters arose in the comments submitted in response to the SAR. Some of the matters are addressed above:

- the use of "reliability-related services", i.e., all lowercase, to reflect the use of the term in a generic sense
- the use of "real-time" and "real time", i.e., all lowercase, to give the best alignment with usage in standards, recognizing that this alignment cannot be perfect because "Real-time", "Real-Time", etc. also appear in standards. The FMWG, consistent with the NERC style guide at page 15, supports "real-time", with the hyphen, when the term is used adjectively, as in "real-time conditions", and "real time", without the hyphen, when the term is used as a noun, as in "in real time". It is noted that current standards are not consistent in this regard.