WESM COMPLIANCE BULLETIN

Issue No.	Date Issued	Contents
11.1	30-Sep-2024	**Event Categories Guide for Generator-Trading Participants in Responding to Non-Compliance Notice/ Notice of Investigation (Revision 1)**

Enforcement and Compliance Office
Philippine Electricity Market Corporation

30 September 2024

This Wholesale Electricity Spot Market (WESM) Compliance Bulletin is an occasional publication that is prepared and published by the Enforcement and Compliance Office of the Philippine Electricity Market Corporation. The purpose of the WESM Compliance Bulletin is only to provide information and guidance to the participants of the WESM on their obligations in the WESM as well as on various matters relating to enforcement and compliance. This document is not intended as a source of obligation or as authority on relevant WESM Rules and market manuals, and as such, is not binding on the WESM participants or any other person or entity. While the ECO strives to make this document complete and accurate, the actual contents may be incomplete or inaccurate. WESM participants and other readers are encouraged to refer to the official issuance of the WESM Rules, and its amendments and manuals for details.

Questions on this WESM Compliance Bulletin may be addressed to Enforcement and Compliance Office, Philippine Electricity Market Corporation, 18th Floor Robinsons Equitable Tower, ADB Avenue, Ortigas Center, Pasig City 1600 or by email at eco@wesm.ph

1.0 About the Bulletin

This issue of the WESM Compliance Bulletin sets out the updated classification of non-compliance events pertaining to possible non-compliance with the Must Offer Rule or the Offered Capacity Compliance Standards (OCC) and the Dispatch Conformance Standards (DCS) by scheduled generation companies and scheduled generating units.

This Bulletin which modifies the classification, or the categories provided in WESM Compliance Bulletin Issue Nos. 3.0[1] and 4.0[2] shall serve as a guide for the generator-trading participants/WESM Participants:

- In responding to the probable breach flaggings, non-compliance notices, or the preliminary notice of investigation and in filling out the form or submitting entries via the monitoring tool or system of PEMC-Enforcement and Compliance Office (ECO), particularly about the non-compliance event classification; and

- In providing the relevant data and documents to be submitted in support of the event classification or category.

This WESM Compliance Bulletin Issue 11.1 supersedes Issue 11.0 which prescribe guidelines for the implementation of the WESM Rules and Manuals pertaining to the obligations of WESM participants to comply with the OCC and DCS, as well as other relevant policy and regulatory issuances relative to the Must Offer Rule and dispatch compliance implementation. This bulletin shall serve as a standard reference for the WESM Participants in describing and categorizing the events that transpired or occurred affecting the generating units' operation and their corresponding non-compliance with the rules.

The various categories and event classification, as outlined in this bulletin, should not necessarily and automatically mean that they are exempting or justifying circumstances. This bulletin serves as a framework and a guide in classifying the events, as they occur, to help both the WESM Participants and the ECO understand and assess the events, incidents, and related occurrences during the monitoring activity. Each reason, explanation, and/or justification provided to ECO pursuant to Clause 7.2.4.2 of the WESM Rules[3] shall nonetheless be assessed on a case-to-case basis for purposes of determining the occurrence of breach.

This bulletin is divided into two (2) parts:

[1] WESM_Compliance_Bulletin_3.0_Must_Offer_Rule_Report_Form_1
[2] WESM_Compliance_Bulletin_4.0_RTD_Non_Compliance_Report_Form_1
[3] 7.2.4.2 The **monitoring and determination of *breach*** by the *Enforcement and Compliance Office* under Clause 7.2.4.1 shall be made **on the basis of available information**, including but not limited to:

(a) Market and dispatch data and reports from the *Market Operator* and the *System Operator*;
(b) **Information contained in non-compliance reports** submitted by the *WESM Member* pursuant to Clause 7.2.2.2 and other reports submitted by the *WESM Member* to *Governance Arm* and to the *Market Operator* pursuant to these *WESM Rules* and relevant *Market Manuals*; and
(c) Data and reports from the *DOE*, *ERC*, or other government agencies that have jurisdiction over the *WESM Member* or over its operations, if such data and reports have been made available to the *Enforcement and Compliance Office*.

The *Enforcement and Compliance Office* shall ensure that the **necessary verification or assessment of compliance or non-compliance is performed**, and that due process is observed in the conduct of compliance monitoring and assessment. Upon finding of breach by the *Enforcement and Compliance Office*, penalties shall immediately be imposed by the *Enforcement and Compliance Office* on the concerned *WESM Member* through issuance of notice of specified penalty by the *PEMC* pursuant to Clause 7.2.5.2. x x x" (Emphasis supplied)

A. EVENT CATEGORY GUIDE FOR THE MUST OFFER RULE (MOR)/ OFFERED CAPACITY COMPLIANCE (OCC)

MUST OFFER RULE/ OFFERED CAPACITY COMPLIANCE				
Event Category	**Application**	**Explanation**	**Supporting Documents**	**Reference**
Co-Generation Power Plants	• This applies to plants that produces and utilizes process steam for industrial requirements, and whose energy generation is limited by its steam usage. • If power plant is also an industrial generator or produces energy primarily for its own use, the limitation on energy injected to the grid should be reported under "Station Use, House Load or Industrial Load".	• Indicate corresponding energy, MW, generated taking into consideration steam requirements for industrial requirements. • Provide steam data and corresponding energy generated, MW, and provide illustration on steam and energy generation.	• Steam and energy data in MW or kW. • Provide illustration of steam production and corresponding energy generation. This may be a one-time submission.	• WESM Rules Chapter 11 (Definition of Available Capacity and Generator Technical Constraint)
Derating – Ambient Conditions	• This applies to deration brought about by environmental conditions like temperature, humidity, air pressure, and air movement that may affect the plant's operations or efficiency. • For changes in normal operating parameters not attributable to environmental factors and that are equipment-related, report it under "Derating – Plant Equipment-Related Problem/Maintenance".	• Indicate reduction in availability or adjustment in offers or nominations, in MW, because of the effects of ambient conditions, and the usual time of the day when plant could be affected by this factor, if determinable. • Describe the condition/s that is/are expected to cause or that caused the deviation in the unit's performance, e.g., air temperature, humidity, seasonal variations, etc.	• Relevant data on actual or expected conditions • Normal operating parameters or standard conditions that would generate the ideal or required maximum output for the generating unit ○ Include documents or data showing ambient condition or environmental factors	• WESM Rules Appendix A1.WESM Rules Chapter 11 (Definition of Available Capacity and Generator Technical Constraint)
Derating – Plant Degradation/Condition	• This is not necessarily an exempting circumstance. • This category may be allowed in cases of prolonged or permanent derating attributable to natural wear and tear or aging of the plant; and the plant is not expected to deliver the	• Type of derating – prolonged or permanent ○ If prolonged: timeline for rehabilitation/restoration of capacity to registered maximum capacity	• Notices to and from NGCP, PEMC and relevant government agencies regarding derating or activity	• WESM Rules Chapter 11 (Definition of Available Capacity)

MUST OFFER RULE/ OFFERED CAPACITY COMPLIANCE				
Event Category	**Application**	**Explanation**	**Supporting Documents**	**Reference**
	full capacity (Pmax) as registered in the WESM. • If there is already a pending application for a change or modification in the Certificate of Compliance (COC) or equivalent certificate from ERC and change in registration in the WESM, report as "With Pending/Ongoing Registration Update". • If the deration or reduction in capacity is temporary and may be addressed through rehabilitation, repair or rectification, report as "Derating-Plant Equipment-Related Problem/ Maintenance".	○ If permanent: indicate if there is a current application for change/reduction of registered maximum capacity • Capacity, MW, not available because of derating • Unit and plant equipment affected • Cause of derating and activities undertaken • If the plant conducted online testing ○ Basis for determining capacity offered during conduct online testing ○ Duration of online tests	Plant operator logs, work orders, incident reports and similar documents • Significant event or other reports submitted to ERC, DOE or other government agencies or other entities • Application for change of rated or registered maximum capacity with ERC and/or IEMOP • Recent Capacity Test	
Derating – Plant Equipment-Related Maintenance (Plant Test)	• This can include generator routine tests, ancillary service testing, or tests carried out in compliance with commercial and regulatory requirements. This applies when the unit is already on commercial operation; otherwise, the same shall be reported under "Test and Commissioning" category. • If the unit is undergoing an offline testing activity or while the unit is on shutdown as part of activities during a maintenance outage, this should be reported under "Outage".	• Type of testing/commissioning activity conducted. • Cite basis for offered capacity, MW, such as test profiles, protocols or similar documents. • Duration of testing activity • Problems encountered and cause, if activity was not carried out according to usual test profiles or established test protocols, such as when activity was aborted, delayed or prolonged.	• Notices to and from System Operator and other agencies on conduct of tests. • Test-related documents, e.g., protocols, test profiles, etc. • Plant operator logs and similar documents showing conduct of tests.	• WESM Rules Appendix A1.1 • WESM Rules Chapter 11 (Definition of Available Capacity and Generator Technical Constraint)

MUST OFFER RULE/ OFFERED CAPACITY COMPLIANCE				
Event Category	**Application**	**Explanation**	**Supporting Documents**	**Reference**

		• Conduct of online testing
		  ○ Basis for determining capacity offered during conduct of online testing
		  ○ Duration of online tests		

Derating – Plant Equipment-Related Problem/Maintenance	• This applies to maintenance or forced derating attributable to plant equipment failure or maintenance, except for forced derating classified as *"Outside Management Control"* in ERC Resolution 17, s. 2013 (1.1.1.1.3.4). The latter is classified under other event categories (E.g., Outage or Plant Operations-Related Constraints).	Indicate: • Type of derating – maintenance or forced • Capacity, MW, that is not available because of derating • Unit and plant equipment affected • Cause of derating and activities undertaken including the duration of the activity, if applicable	• Plant operator logs, work orders, incident reports and similar documents • Notices to and from NGCP, PEMC and relevant government agencies regarding derating or activity • Significant event or other reports submitted to ERC, DOE or other government agencies or other entities	• WESM Rules Chapter 11 (Definition of Available Capacity) • ERC Resolution 17, series of 2013 – 1.1.1.1.3.4 in relation to 1.1.2.2.1.5 (Outside Management Control) • Outside Management Control – 1.1.1.1.2 – falls under different event categories.
Distribution-Line Related Constraints	• This is not necessarily an exempting circumstance. • This applies to distribution line failures or activities that affected the operations of the embedded generating unit, such as when the unit tripped or was curtailed as a direct result of the distribution equipment failure. • This also applies in situations where the Distribution Utility/Electric Cooperative issued instructions, cleared and confirmed by the System Operator specifically to	• State the distribution equipment affected, nature of failure or activity, and time of occurrence. • State effect on the generation or operations of the generating unit, e.g., tripping, shutdown, or partial curtailment. If partial curtailment, extent or level of curtailment. • State or explain if the power can or cannot still pass through other distribution lines.	• Single-Line Diagram • Communications to and from the Distribution Utility/Electric Cooperative • Showing power distribution path from the incoming power source of the plant to the load. This can be a one-time submission, unless changed.	• Philippine Distribution Code Chapter 6: Distribution Operations and Chapter 8: Scheduling and Dispatch

MUST OFFER RULE/ OFFERED CAPACITY COMPLIANCE				
Event Category	**Application**	**Explanation**	**Supporting Documents**	**Reference**
	address distribution-related constraints or line limitations or problems; and such instruction does not fall under the category of "Re-Dispatch Instructions", referred to in this bulletin. • If the plant was forced to go on outage to conduct repair activities resulting from the tripping, report the period starting from the time the maintenance / repair activity started as "Outage".	• Specify the nature of constraints, whether the constraints affect the transmission lines or the sub-station or equipment. • Type of constraint – planned or unplanned. If unplanned, specify the nature of the constraint. • Specify if the constraint is extended beyond the initially estimated duration. • Duration of the constraint – include the start and end date and time.	• Plant operator logs, incident reports and other plant data and documents showing occurrence of transmission failure or issuance of instructions, procedures carried out in the power plant to respond to failure or instructions. • Significant event report submitted to relevant government agencies	
Errors or Negligence	• This is not necessarily an exempting circumstance but refers to incidents affecting the offer, nomination or capacity arising from errors, inadvertence, or negligence. This may include trader's or operator's errors, software errors or malfunction, interface failures (not attributable to MMS), communication link failures, and other errors or circumstance that resulted in failure to submit offers or to submission of erroneous data. • Widespread failures in communication links or facilities which are not within the control of, and cannot be remedied by, the participant can be reported under "Other Causes" or "Market System Constraints," as applicable.	• Describe the circumstance and indicate whether this resulted in the non-submission of offers or submission of erroneous offers. • Describe measures implemented to prevent recurrence of the error/s.	• Plant operator/trader logs, incident reports, and other plant or trading document that shows occurrence of error and measures taken to rectify the same. • Significant event reports submitted to relevant government agencies. • Reports, notices, or communication to/from the relevant third party or network providers.	

MUST OFFER RULE/ OFFERED CAPACITY COMPLIANCE				
Event Category	**Application**	**Explanation**	**Supporting Documents**	**Reference**
ESS-Related Constraints	• This applies to limitations that may be encountered by energy storage system (ESS) that collects or stores energy from renewable energy sources or from the electricity network and stores the energy using battery storage technology. • If the non-submission of offer is due to exhausted capacity (completely discharged) or if there is a negative offer submission (during charging), it can be reported under this classification.	• Indicate the state of charge (SOC) that represents how much energy is left or available in a battery or ESS. • Indicate the state of health that represents the battery capacity in the present compared to the original battery capacity. • Indicate the period needed to recover its fully charged state.	• Plant operator logs, work orders, incident reports and similar documents • Monitoring signals regarding its state of charge	• Department Circulars No. DC 2019-08-0012, 2018-08-0022, and 2023-04-0008
Force Majeure	• This pertains to events beyond the reasonable control of the participant, which effectively prevents it from complying with its obligations in the WESM or results in cessation or suspension of its operations, and which does not fall under any other non-compliance event category. • Such events include, but are not limited to, the following: typhoon, storm, tropical depression, flood or inundation, lightning strikes, earthquake, volcanic eruption, fire, epidemic, war, invasion, riot, national emergencies, civil disturbance, sabotage, explosion, insurrection, military or usurped power, acts of God or the public enemy, and the like. • For strike or labor dispute events, report it under "Labor and Management Conflicts".	• Identify and describe the force majeure. • Describe the effect or impact of the force majeure, or its extent thereof, on the ability to comply with obligation. • Measures taken to resolve situation, to prevent or mitigate adverse impact of the event.	• Plant operator logs, incident reports and other plant documents that will show occurrence of event, effect on power plant and activities undertaken • As applicable, notices to and from System Operator, PEMC, DOE, ERC and other relevant agencies regarding occurrence of events and measures undertaken • Significant event or other reports submitted to ERC, DOE or other government agencies or other entities.	• ERC Resolution No. 17, series of 2013 – 1.1.2.2.1.5 (Outside Management Control) • ERC Resolution 21 Series of 2016 – 1.1.2.2.1.5 (Outside Management Control) • Article 1174 of the Civil Code of the Philippines

MUST OFFER RULE/ OFFERED CAPACITY COMPLIANCE				
Event Category	**Application**	**Explanation**	**Supporting Documents**	**Reference**
Fuel Change-Over Procedures	• This applies to natural gas power plants when the unit is changing over from natural gas operation to an alternative operation and vice versa due to natural gas supply restrictions, and the offer is made at a reduced capacity. • If the change-over does not pertain to the change in fuel but to other operational processes (e.g., change of mills or pulverizers) which may affect the plant's capacity, report as "Plant Operations-Related Constraints".	• Indicate the capacity during the fuel change-over process • Indicate expected duration for the change-over process.	• Document showing fuel change-over protocol • Plant operator logs, incident reports, and plant documents showing performance of change-over procedures and problems encountered, if any.	• WESM Rules Chapter 11 (Definition of Available Capacity and Generator Technical Constraint)
Fuel Supply Constraints-Other Non-RE Fuel Types	• This is not necessarily an exempting circumstance. • This shall apply to constraint in fuel availability entirely not attributable to the fault of the power plant (*e.g.,* importation ban of coal from other countries). • For fuel supply constraints applicable to non-renewable plants.	• Lack of fuel ○ State reasons for lack of fuel, and whether these are beyond participant's control. ○ Describe effect on generation of the unit, i.e., full or partial curtailment. If partial, basis for determining level of offers. ○ Describe measures implemented to rectify the situation. • Fuel quality ○ Indicate if the fuel supply was tested as compliant with specifications and summarize results of testing. ○ If supply was tested as compliant, explain reasons why offers were less than	• Fuel test results or certifications • Plant operator logs and fuel supply data/ documents showing lack of fuel or fuel quality, problems encountered, and measures taken to resolve problem. • Incident reports and significant event reports to relevant government agencies relating to fuel constraints. • Any plant records that include the following information: ○ MW equivalence of the available fuel supply	• ERC Resolution 17, series of 2013 – 1.1.1.1.3.4 in relation to 1.1.2.2.1.5 (Outside Management Control)

MUST OFFER RULE/ OFFERED CAPACITY COMPLIANCE				
Event Category	**Application**	**Explanation**	**Supporting Documents**	**Reference**
		registered Pmax, e.g., cite factors that affected fuel supply quality. ○ Describe effect on operations of the unit, and basis for determining offers, in MW, submitted.	○ Summary of equivalent MW quantity per fuel quality. ○ Current fuel quality vs. equipment's designed fuel quality	
Island Mode Operation	• This applies to instances where the generating unit operates in island mode, isolating itself from the main grid.	• Specify the reason for implementing island mode, such as grid disturbances, emergencies, or planned maintenance. • Identify the affected areas, facilities, or systems that are part of the islanded operation. Provide details on the decision-making process leading to the initiation of island mode operation. • Clarify if the island mode operation is planned or unplanned. • Describe the steps taken to ensure the stability and reliability of the islanded power system. • Indicate any impacts on the generating unit's capacity, MW, and overall system reliability during island mode operation. • Highlight any deviations from the normal operating procedures and the reasons for such changes. • Specify the duration of the island mode operation and the criteria for resynchronization to the grid.	• Records of communication with the grid operators regarding the island mode operation. • Documentation outlining the technical and operational considerations for initiating and managing island mode operation. • Logs and reports related to system monitoring and control during islanded operation. • Notices or reports submitted to regulatory bodies. • Documentation of any changes in operating procedures or protocols resulting from the island mode operation.	• WESM Dispatch Protocol Manual

MUST OFFER RULE/ OFFERED CAPACITY COMPLIANCE				
Event Category	**Application**	**Explanation**	**Supporting Documents**	**Reference**
Labor and Management Conflicts	• This applies to situations when labor and management conflicts may result in work stoppage (e.g., strikes and lockouts) and prevent the participant from operating its generating unit; or significantly reduce its ability to operate its power plant or to participate, in general, in the WESM.	• Describe nature of conflict, and when work stoppage is expected to occur or if it has already occurred. • Describe effects on operations of the participant or the power plant, *i.e.,* complete stoppage, partial operations, etc. • Describe measures taken to mitigate impact of the conflict on its operations, if applicable. • Describe the government intervention, if any.	• Notices (e.g., strike or lockout), orders or resolutions of competent government agencies on work stoppage, and similar documents.	• WESM Dispatch Protocol Manual, Section 6.14 Report of Material Adverse Change in State of Trading Participant Facilities) • ERC Resolution 17. Series of 2013 – 1.1.2.2.1.5 (Outside Management Control)
Legal or Regulatory Compliances	• This refers to orders, writs, decisions or resolutions issued by judicial tribunals, administrative or regulatory agencies and other authorities with jurisdiction over the participant or the power plant and which effectively requires cessation or suspension of operations, or directly affects availability of the power plant or the ability of the participant to submit offers for or transact the unit in the WESM. • This may also refer to compliances under rules, regulations and standards issued by government agencies where compliance would effectively result in curtailment in the operations of the power plant.	• State the order, writ, rule, regulation or standard being complied with and issuing agency. • Explain effect on availability of power plant or operations of the participant, such as full or partial curtailment, suspension or cessation of operations. • If compliance results in partial curtailment and reduced offers were submitted, explain basis for determining offers. • If curtailment became necessary to prevent breach of rule, regulation or standard, explain cause or condition that was expected to result to a possible breach of the requirement, e.g., emission levels, and which prompted the curtailment.	• Certified copy of order, writ, decision, or resolution, if applicable ○ Copy of rule, regulation or standard, if applicable ○ Plant operator logs, incident reports and other plant document showing curtailment, cause of curtailment and activities ○ Significant event reports submitted to relevant government agencies	

MUST OFFER RULE/ OFFERED CAPACITY COMPLIANCE				
Event Category	**Application**	**Explanation**	**Supporting Documents**	**Reference**
Market System Constraints	• This applies to incidents caused by constraints, issues, or limitations related to the MMS-Market Participant Interface (MPI) / market interface. • This shall also apply to situations in which the trading participant or the System Operator cancels a security limit due to a re-scheduling of an outage, start-up or shutdown procedures, maintenance, testing, or other reasons recommended by the System Operator, but could no longer change its offer due to gate closure.	• Explain the constraint or limitation in the MMS that leads to the inability to comply with the WESM Rules. • Explain the circumstances that led to its inability to change its offer back to reflect its maximum available capacity. • Specify the nature of the security limit cancellation. • Specify the schedule for the revised security limit, if any. • Indicate if the constraints are reported to the Market Operator and the confirmation or feedback, if any, from the Market Operator.	• MMS error prompt screenshot • Logs or data showing the constraint(s) • Initial Security Limit Request (including loading schedule and justification) • Communication to or from the system operator regarding cancellation and revision of the security limit • Revised security limit • Plant operator logs, data, and reports showing the cause of the cancellation of the security limit • Report to Market Operator/ Helpdesk Ticket	• Dispatch Protocol Manual (on market gate closure)

Outage	• This applies to all types of planned or unplanned, or forced outages, except those classified as Outside Management Control (OMC) in ERC Resolution 17, s. 2013. The latter will fall under other event categories.
	• This includes intervals when the unit is undergoing offline testing or while on shutdown as part of maintenance activities. It may or may not be covered in the Grid Operating and Maintenance Program (GOMP).
		• Type of outage – planned or unplanned. If unplanned, indicate is forced or maintenance outage
		  ○ Indicate if in GOMP or not.
		  ○ Indicate if outage is extended.
		• Unit/engine affected – for aggregated units or multiengine resources, indicate unit/engines on outage and corresponding capacity, MW, not available.
			• Notices to and from NGCP confirming schedule of outage, and other related notices
			• Notices to and from PEMC and relevant government agencies
			• Plant operator logs, work orders, incident reports and similar documents
				• WESM Rules Chapter 11 (Definition of Available Capacity)
				• ERC Resolution 17 – • 1.1.2.1 • 1.1.2.2.1.1 to 1.1.2.2.1.4 & 1.1.2.2.1.6 • 1.1.2.2.2 Outside Management Control – 1.1.2.2.1.5 – falls under different event categories.

MUST OFFER RULE/ OFFERED CAPACITY COMPLIANCE				
Event Category	**Application**	**Explanation**	**Supporting Documents**	**Reference**

	• For natural gas power plants, this includes intervals when the power plant was placed on planned or maintenance outage during the gas supply curtailment.
	• When the plant needs to shut down due to the lack of supply (e.g., natural gas, biomass) and makes use of the time to conduct preventive maintenance during the curtailment or lack of resource, and which maintenance activity is not part of the GOMP, report as "Resource Constraint – Natural Gas," "Resource Constraints-Biomass," etc..
	• For generating plants with aggregated generating units, categorize as follows:
	  ○ Outage: If all units of the generating plant are on outage (total outage)
	  ○ Outage (Aggregated Unit/s): If one or some of the units of the generating plant are on outage.
		• Cause of outage or activities undertaken
		• Duration of outage – date and time of start and end of outage.
			• Significant event or other reports submitted to ERC, DOE or other government agencies	

Plant Operations-Related Constraints	• This is not necessarily an exempting circumstance. • This refers to constraints brought about by any procedure, activity or processes pertaining to or any circumstance arising from normal plant operations that is reasonably expected to cause limitations on the availability of the generating unit.	• Identify constraint and the procedure, activity or process that caused the constraint or limitation on the unit's availability. • Explain if constraint was reasonably expected as part of usual plant operations, good practice, etc., or has arisen due to some failures or problems encountered during operations.	• Plant operator logs, incident reports and other plant documents showing occurrence of constraint and activities undertaken • Significant event reports submitted to relevant government agencies.	

MUST OFFER RULE/ OFFERED CAPACITY COMPLIANCE				
Event Category	**Application**	**Explanation**	**Supporting Documents**	**Reference**
	• This applies to a situation where a generating unit itself is not derated or not affected by any equipment-related problem and could have otherwise delivered its full capacity but due to some operational concerns, its capability to deliver its full capacity was limited or constrained, thus resulting in reduced capacity. • This category shall also apply to power plants on combined cycle operations wherein the capacity is dependent on another unit/s, aggregated or otherwise. • If the deration is a direct result of the equipment-problem, report as "Derating – Plant Equipment-Related Problem/Maintenance"	• Indicate the duration of the activity; Indicate the Megawatt capacity available during such activity. • Measures implemented to rectify the situation, if applicable.		
Pump Storage Power Plants	• This applies to pumped storage power plants while electronically connected but performing pumping functions.	• Identify unit/s operating in pumping mode and not available for generation. • Pumping Schedule • Identify plants/facility, if any that may be affected by the pumping operation.	• Plant records showing shift to or schedule of pumping operations and generation operations. • Communications to or from the System Operator on pumping and generation schedules.	• ERC Resolution No. 21, Series of 2016 – 1.1.1.1.4 (In-service Non-generating mode)
Resource Constraints – Biomass	• This applies to biomass power plants with seasonal operations or those utilizing resources or feedstock with limited availability.	• If operation is seasonal, cite seasonality. • If in operation but with limited feedstock –	• Plant operator logs and plant documents showing feedstock supply levels, projected and actual MW output and related data.	• WESM Rules Chapter 11 (Definition of Available Capacity and Generator Technical Constraint)

MUST OFFER RULE/ OFFERED CAPACITY COMPLIANCE				
Event Category	**Application**	**Explanation**	**Supporting Documents**	**Reference**
	• If the plant went offline to conduct weekly/periodic repair, regardless of fuel supply level, report as "Outage". • If the power plant is a co-generation power plant, limitations relating to steam production or usage should be reported under "Co-Generation Power Plant" event category. • If a power plant is also an industrial generator or produces energy primarily for its own use, limitations on energy injected into the grid should be reported under "Station Use, House or Industrial Load".	○ Cite reasons for limitation, if relevant and applicable ○ Feedstock availability during the period and corresponding projected generation, MW, during the period. ○ Based on the current available biomass fuel/feedstock, indicate how long will the plant be able to export energy. • Indicate the number of days/hours needed to accumulate sufficient biomass fuel	• Notices to and from System Operator and other agencies on start or end of operations. • Significant event reports submitted to relevant government agencies	• ERC Resolution 17, series of 2013 – 1.1.1.1.3.4 in relation to 1.1.2.2.1.5 (Outside Management Control)
Resource Constraints – Geothermal	• This pertains to capacity limitations on geothermal power plants because of steam quality (chemical composition, condensable and non-condensable gases), steam pressure and temperature variation, well blockage and limitation on steam and brine collection and disposal system. • If the limitation is brought about by the plant condition (e.g., maintenance of equipment) that affects the steam flow, steam pressure and the like, the same shall be reported under "Derating – Plant Equipment-Related Problem/Maintenance"	• Indicate the MW reduction as a result of constraint. • Identify constraint – steam quality, pressure and temperature variation, well blockage or limitations on steam and brine collection and disposal system. • Identify steam source (well) and indicate if steam is shared with other generating units. • Explain if the reduction is temporary or may be prolonged, and if there are plans to revise the Pmax based on the current steam supply condition.	• Plant operator logs and similar documents showing steam supply availability and constraints • Steam supply forecasts and other steam supply data provided and certified by supplier or steam field operator • Reports submitted to DOE on resource availability or steam supply status, production, and utilization.	• WESM Rules Chapter 11 (Definition of Available Capacity) • ERC Resolution 17, series of 2013 – 1.1.1.1.3.4 in relation to 1.1.2.2.1.5 (Outside Management Control)

MUST OFFER RULE/ OFFERED CAPACITY COMPLIANCE				
Event Category	**Application**	**Explanation**	**Supporting Documents**	**Reference**
Resource Constraints – Hydro	• This refers to constraints affecting the water resources of hydroelectric power plants, particularly the limitation on the water elevation, turbine discharge and MW output of the plant. • This shall also apply to restrictions/instructions from NIA, NWRB or other government agency with respect to water allocation resulting in limitations in water availability. • If there are regulatory restrictions or instructions other than limitations in water availability, report as "Legal or Regulatory Compliances", as may be applicable. • For run-of-river hydro power plants classified as must dispatch generating units: If the generating unit has a non-zero valid nomination of projected output but is still flagged by the Market Management System (MMS), report it as "Market System Constraints"	• Indicate reduction in available capacity, MW, resulting from constraint. • Identify constraint affecting water resources. • Explain effect of constraint on availability.	• Water elevation data from relevant agencies, i.e., NIA, NPC, NWRB, Rule curve, operations or protocols • Irrigation diversion requirement (IDR) and other requirements from said agencies • Other instructions or notices from relevant government agencies affecting operations and availability of power plant or water resources • Load forecast – for run of river hydro – or other data utilized for determining offers	• WESM Rules Chapter 11 (Definition of Available Capacity) • ERC Resolution 17, series of 2013 – 1.1.1.1.3.4 in relation to 1.1.2.2.1.5 (Outside Management Control)

Resource Constraints – Natural Gas	• This applies to curtailment on sources affecting the operations of natural gas power plants that are supplied from the Malampaya natural gas facility or to plants that use liquified natural gas (LNG).
	• If the unit went on outage in preparation for change-over to and from alternate fuel and was reported to System Operator and other agencies as an outage, report as "Outage".
		• Curtailment:
		  ○ If curtailment is partial, indicate supply allocation for and equivalent MW output
		  ○ Indicate the expected duration for the curtailment
		• Operations on alternate fuel:
			• Notices sent by gas provider/supplier to WESM Participant regarding the curtailment.
			• Document showing Pmax on alternate fuel operations. This can be a one-time submission, unless changed.
				• Document showing fuel change-over protocol.
				• Plant operator logs, incident reports, and plant documents showing performance of change-over procedures and problems encountered, if any.
				• WESM Rules Chapter 11 (Definition of Available Capacity and

MUST OFFER RULE/ OFFERED CAPACITY COMPLIANCE				
Event Category	**Application**	**Explanation**	**Supporting Documents**	**Reference**
	• If the unit went on planned or maintenance outage *during the curtailment,* report as an "Outage". • For intervals when the unit is changing over from natural gas operation to an alternative operation and vice versa due to natural gas supply restrictions, and the offer is made at a reduced capacity, report as "Fuel Change-Over Procedures"	○ Indicate the Pmax when operating on alternate fuel, if different from that on natural gas. ○ Indicate expected duration for the operation on alternative fuel.		Generator Technical Constraint)
Resource Constraints – Solar	• This applies to solar power plants that use type of facility that converts sunlight directly (photovoltaics) into electricity. • If the non-submission of nomination by plants is due to inability of the solar panels to produce electricity at nights or during cloudy or rainy days, it can be reported under this classification. • If the main reason for the unavailability of the unit is the planned or maintenance outage or a transmission-related constraint, it can be reported as an "Outage" or "Transmission-Related Constraints". • If the area is hit by a typhoon and affected the plant's operation, and the plant could not operate because of the damage caused by said weather disturbance, the non-submission of offer can be reported as "Force Majeure".	• Indicate the normal hours of operation; or if it has solar battery storage; or if the plant can produce extra power during the day when the sun is out, how long would it last? • Indicate the usual or average projection of outputs for a day. If it has capacity lower than .1 MW but the offer is made at .1MW (as the system does not accept nominations below .1MW), indicate the actual projection of outputs in MW.	• Plant records showing the forecast or projected outputs of the day.	• WESM Rules Clause 3.5.5.6. 3.5.9.1

MUST OFFER RULE/ OFFERED CAPACITY COMPLIANCE				
Event Category	**Application**	**Explanation**	**Supporting Documents**	**Reference**
	• If the generating unit has a non-zero valid nomination during daytime but is still flagged by the Market Management System (MMS), report it as "Market System Constraints"			
Resource Constraints – Wind	• This applies to wind power plants that utilize wind turbines to generate electricity. • If the non-submission of nominations by plants is due to inadequate wind speed or other meteorological conditions affecting turbine performance, it can be reported under this classification. • If the unit went on a planned or maintenance outage or was affected by a transmission-related constraint, it can be reported as an "Outage" or "Transmission-Related Constraints" accordingly. • If the area was hit by a typhoon and affected the plant's operation, and the plant could not operate because of the damage caused by said weather disturbance, the non-submission of offers can be reported as "Force Majeure". • If the generating unit has a non-zero valid nomination of projected outputs but is still flagged by the Market Management System (MMS), report it as "Market System Constraints"	• Indicate the typical wind patterns and speeds during operational hours. Specify if the plant has any energy storage capabilities or backup systems to mitigate fluctuations in wind power availability. • Indicate the usual or average projection of outputs for a day. If it has a capacity lower than 0.1 MW but the offer is made at 0.1 MW (as the system does not accept nominations below 0.1 MW), indicate the actual projection of outputs in MW.	• Plant records showing daily wind power generation forecasts • Real-time meteorological data, including wind speed and direction • Reports documenting any planned or unplanned outages affecting the wind power plant	• WESM Rules Chapter 11 (Definition of Available Capacity) • WESM Rules Clause 3.5.5.6. and 3.5.9.1

MUST OFFER RULE/ OFFERED CAPACITY COMPLIANCE				
Event Category	**Application**	**Explanation**	**Supporting Documents**	**Reference**
Security Limit Cancellation	• This applies to instances where security limits of a generating units are canceled, altered, or adjusted.	• Specify the type of security limit affected, such as frequency, voltage, or other critical parameters. • Identify the reason for the security limit cancellation. • Provide details on the specific elements, components, or units impacted by the security limit cancellation. • Outline the operational considerations that led to the cancellation of the security limit. • Specify the duration of the security limit cancellation and the expected time for restoration.	• Records of communication with the NGCP regarding the security limit cancellation.	
Startup/Shutdown Procedures	• This applies to generating units undergoing start-up or shutdown procedures and whose offers or nominations are based on the load profile. • This applies to standard operating procedures of plants during their start-up or shutdown including technical limitations attributed to such procedure (*e.g.* on load steam cooling shutdown of natural gas plants, hot start, warm start, cold start, etc.). • If the generating unit encountered problems during the start-up procedures, the reporting should be under "Derating- Plant Equipment-Related Maintenance" or "Outage," as the case may be.	• Indicate if load profile was submitted to the System Operator. • If submission of offers was not in accordance with load profile submitted, explain reason for the reduction in offers. • Problems encountered in case the start-up/ shutdown procedure was not carried out according to usual load profiles or established protocols, such as when activity was aborted, delayed, or prolonged. • Indicate if the unit was placed in security limit based on the System Operator's instructions. • Indicate if the unit was under aggregated unit outage.	• Load profile submitted to System Operator or other entities (e.g., submitted to PSALM or NPC for NPC-IPP plants)	• WESM Dispatch Protocol Manual Section 13

MUST OFFER RULE/ OFFERED CAPACITY COMPLIANCE				
Event Category	**Application**	**Explanation**	**Supporting Documents**	**Reference**
	• In case of emergency shutdowns because of problems in equipment during start-up or shutdown, the event should be reported as "Outage". • This also applies to generating units undergoing start-up coming from aggregated unit outage.			
Station Use, House Load or Industrial Load	• This applies to power plants, including industrial generators, that are monitored at gross capacity (inclusive of station use, house load and industrial load.)	• Data, in MW, for gross energy generated, utilized for station use, house load or industrial load, and injected to the grid. Data should be in MW. • Indicate if expected use and injection to the grid is at fairly constant levels or varies from time to time, and the reasons for variations. • Explain why offers submitted were net of own load instead of gross available capacity, if such is a case.	• Monitoring data on gross energy generation, own load and injected to the grid. Data must be in MW.	• WESM Rules Chapter 11 (Definition of Available Capacity and Generator Technical Constraint)
Test and Commissioning	• This shall apply to new power plants undergoing test and commissioning. • Under valid and justifiable circumstances, this category may likewise apply to power plants which are on a prolonged testing and commissioning phase • If the generating unit is already in commercial operation or with Final Certificate of Approval to Connect (FCATC) and is conducting online testing as maintenance activity, report under "Derating – Plant Equipment-Related Maintenance (Plant Test)".	• Cite basis for offered capacity, MW, such as test profiles, protocols or similar documents. • Duration or schedule of testing activity • For plants on prolonged test and commissioning, indicate the reason/s for the delay in the completion of the test and commissioning	• Provisional Certificate of Approval to Connect (PCATC) • Notices to and from System Operator and other agencies on conduct of tests. • Test-related documents, e.g., protocols, test profiles, etc. • Plant operator logs and similar documents showing conduct of tests.	• WESM-DP-012 Section 7.6 Over-Riding Constraints – Regulatory and commercial requirements.

MUST OFFER RULE/ OFFERED CAPACITY COMPLIANCE				
Event Category	**Application**	**Explanation**	**Supporting Documents**	**Reference**
Transmission-Related Constraints	• This is not necessarily an exempting circumstance. • This only applies to grid or sub-station failures or activities that affected the operations of the generating unit, such as when the unit tripped or was curtailed as a direct result of the transmission equipment failure or problem. • "Curtailed" as referred to in the first paragraph refers to total and partial curtailments by the System Operator or Distribution Utility with issued notification or instructions specifically to address transmission constraints or problems. • If the plant was forced to go on outage to conduct repair activities resulting from the tripping of the line/s, report the period starting from the time the maintenance / repair activity started as "Outage"	• State the transmission equipment affected, nature of failure or activity, and time of occurrence. • Describe System Operator instructions, if any, and time issued. • State effect on the generation or operations of the generating unit, e.g., tripping, shutdown, or partial curtailment. If partial curtailment, extent or level of curtailment. • State or explain if the power can or cannot still pass through other transmission lines. • Specify the ownership of the lines and maintenance protocols with NGCP, if applicable. • Specify the nature of constraints, whether the constraints affect the transmission lines or the sub-station or equipment. • Type of constraint – planned or unplanned. If unplanned, specify the nature of the constraint. • Specify if the constraint is extended beyond the initially estimated duration. • Duration of the constraint – include the start and end date and time.	• Single-Line Diagram • Showing power distribution path from the incoming power source of the plant to the load. This can be a one-time submission, unless changed. • Fixed Asset Boundary Document (FABD) Communications to and from the System Operator • Plant operator logs, incident reports and other plant data and document showing occurrence of transmission failure or issuance of instructions, procedures carried out in the power plant to respond to failure or instructions. • Notices from the National Grid Corporation of the Philippines (NGCP) confirming the schedule and details of the constraint.	

MUST OFFER RULE/ OFFERED CAPACITY COMPLIANCE				
Event Category	**Application**	**Explanation**	**Supporting Documents**	**Reference**
With Dispatchable Reserve Offer/ Schedule	• This applies to ancillary services providers that is not scheduled for regular energy supply or for other type of ancillary services except as Dispatchable Reserve.	• For this event category to apply, the generating plant must be scheduled for dispatchable reserve on the day-ahead ancillary services schedules (DAASS); shall neither be scheduled as a regulating or contingency reserve on the same interval; is on shutdown and shall only synchronize to the grid upon instructions of the System Operator. • For multiple generating units located in a single generation station, which has an aggregated representation in the market network model, indicate unit/engine and total MW that is not available for energy and is dedicated solely for dispatchable reserve.	• DAASS, ancillary services nominations, or copies of the ASPA or details of ASPA • Certification as A/S provider – date of agreement, ERC approval, and type of A/S contracted/certified.	• WESM Rules Appendix A1 • ASM Manual, Section 5.5 (Reserve Conformance Standards)
With Pending/Ongoing Registration Update	• This applies to instances where there is already a pending application for change in the Certificate of Compliance (COC) or equivalent certificate from ERC to reflect the updated capacity of the generating unit. • If there is already a change in the capacity based on the recent capacity test, but there is no pending application yet with the ERC, report as "Derating – Plant Degradation/ Condition".	• Describe the nature of the change in capacity requiring the update in the registration. • Date and status of application for change. • Expected timeline for the issuance of the COC or equivalent certificate from ERC.	• Copy of the application for change filed with the ERC or change in registration records file with the Market Operator. • Copy of the Generating Unit Capability Test (GUCT)	

MUST OFFER RULE/ OFFERED CAPACITY COMPLIANCE				
Event Category	**Application**	**Explanation**	**Supporting Documents**	**Reference**
Other Causes	• This applies to events or incidents that are not otherwise covered in the identified event categories provided in this document	• Describe the event or incident. • Indicates the problem encountered during the operation of the plant. • Describe the extent or effects on the participant operations or the power plant.	• Relevant data on actual or expected conditions. • Plant operator logs and similar documents showing the constraint affecting the actual generation of the plant. • Significant event reports submitted to relevant government agencies	

B. EVENT CATEGORY GUIDE FOR DISPATCH CONFORMANCE STANDARD (DCS)

DISPATCH CONFORMANCE STANDARDS				
Event Category	**Application**	**Explanation**	**Supporting Documents**	**Reference**
Ancillary Services	• This applies to deviation arising from, or connected to, the provision of ancillary services either as: a) Contingency Reserve, b) Regulating Reserve, c) Dispatchable Reserve, and Reactive Power Support (RPS) • If in the course of providing ancillary services, the generating unit receives a different instruction from the System Operator, and by following the instructions, the same resulted in deviation, report as "Re-Dispatch Instructions".	• State type of service provided (whether Regulating, Contingency, with Dispatchable or RPS) • Indicate the Ancillary Service Schedule (MW), and the mode of operation (whether governor control mode [GCM], automatic generation control [AGC] or manual).	• Report on or confirmation from the System Operator on actual provision of services, indicating type and other details of service provided. • Logbook containing the ASPA instruction, Logbook containing outages/ plant equipment failure for ASPA Transferred from one unit to another unit, day-ahead ancillary services schedules, ancillary services nominations and renominations.	• WESM Rules Clause 3.8.4.1 (a) • Philippine Grid Code • WESM Ancillary Services Monitoring Manual
Data Validation	• This applies to situations when the unit was compliant with its dispatch schedules (within the +1.5% or -3% of the dispatch target or +/-1MW, whichever is higher) but reflected as non- compliant because of erroneous data. • As dispatch compliance is determined initially from comparison of real-time dispatch schedule and actual generation level by the end of the interval, the data error would pertain to the actual generation data which may either be incorrect, non-updating, or missing. This can be further subcategorized into:	• Actual generation - If the erroneous data pertains to the actual generation attained by the affected unit, provide alternative monitoring data. Cite source, location and time of measurement and compare the same with data provided in the Request for Investigation. Indicate the basis or reference for concluding that there is a data variance (e.g. DCS/ plant records or data) which provide for the actual reading of the actual generation of the plant for a relevant interval.	• Plant records of the actual reading of the generation or output (logbooks or screenshots, etc.) • Revenue meter data or other comparative data for comparison • Evidence of operation or non-operation of the plant to indicate generation or non-generation of outputs If applicable, communications to and from Market Operator, System Operator, or PEMC regarding data error	

DISPATCH CONFORMANCE STANDARDS				
Event Category	**Application**	**Explanation**	**Supporting Documents**	**Reference**
	a) Inconsistent - when the system snapshot data from the MMS shows a loading level or actual generation output that is abnormal, unusual, or unexpectedly different from the plant's own data readings, meter data, or other relevant data. b) Non-updating Data - when the system snapshot data from the MMS shows unusually repetitive or constant loading level that is different from the meter data that appear to be non-static. The data variance is confirmed by either the Market Operator or System Operator. • If the variance pertains to the published RTD Schedules and not to the actual generation, report as "RTD Discrepancy".		observed or noted during the operations.	
Distribution Line-Related Constraints	• This applies to distribution line failures or maintenance activities which affect the operations of the embedded generating unit, such as when the unit tripped or was curtailed as a direct result of the distribution equipment failure. • This also applies in situations where the Distribution Utility/Electric Cooperative issued instructions, cleared by the System Operator specifically to address distribution-related constraint or line limitations or problems; and such instruction does not fall under the category of "Re-Dispatch Instructions", referred in this bulletin.	• State the distribution equipment affected, nature of failure or activity, and time of occurrence. • Kindly indicate whether the ownership and control of the said equipment is under the plant or with the Distribution Utility • Describe Distribution Utility instructions, if any, and time issued. • State the effect on the generation or operations of the generating unit, *e.g.,* tripping, shutdown or partial curtailment. If partial curtailment, extent or level of curtailment.	• Communications to and from the Distribution Utility and Clearance to System Operator • Plant operator logs, incident reports and other plant data and document showing occurrence of distribution line failure or issuance of instructions, procedures carried out in the power plant to respond to failure or instructions. Significant event report submitted to relevant government agencies.	Philippine Distribution Code, Chapter 6 Distribution Operations and Chapter 8 Scheduling and Dispatch

DISPATCH CONFORMANCE STANDARDS				
Event Category	**Application**	**Explanation**	**Supporting Documents**	**Reference**
	• If the plant is required to operate on island mode of operation resulting from Distribution Line-Related Constraints, report as "Island Mode of Operation".			
Error or Negligence	• Errors admitted or otherwise, due to the confusion and oversight on the part of trader or plant operator on duty. • Trader or operator errors, software errors or malfunction, interface failures (not attributable to MMS), communication link failures, and other errors or circumstance that resulted in erroneous dispatch implementation. • Negligence, whether intentional or not, or due to lack of protocols, coordination or procedures that resulted in non-compliance with dispatch schedules.	• Describe the reason and circumstances that led to such errors and negligence. • Immediate or mitigating measures taken to address the error, malfunction, or fault.	• Plant records, data and reports. • Compliance Plan and mitigating measures to avoid or prevent breach • Screenshot of error • Plant logbook records, Significant Event Reports • Reports or notices from third party communication or network providers	
ESS-Related Constraints	• This applies to deviation that results from unforeseen changes in the state-of-charge (SOC) of the ESS facility. • If deviation occurs while providing ancillary services report under "Ancillary Services"	• State the cause of the change in the state-of-charge of the unit and how it affected the failure to meet its dispatch schedule. • Explain why the cause or event was unforeseen and why the offer was not cancelled, changed, or adjusted to reflect the current state.	• Plant operator logs, incident reports and other plant data or documents showing the conditions that lead to the variation in the forecasted and actual state-of-charge Significant event reports submitted to relevant government agencies.	Department Circulars No. DC 2019-08-0012, 2018-08-0022, and 2023-04-0008
Force Majeure	• This pertains to events beyond the reasonable control of the participant, which effectively prevented it from complying in real-time with its obligations in the WESM or which resulted in cessation or suspension of its operations, and which does not fall under any other event category.	• Identify and describe the force majeure event, and when (date and time) it was made known to the participant. • Describe effect on ability of the generating unit to comply with its dispatch schedules.	• Plant operator logs, incident reports and other plant documents that will show occurrence of event, effect on power plant and activities undertaken.	• ERC Resolution 21, Series of 2016 • Annex A Article 1 Section 4 – Definition of Terms

DISPATCH CONFORMANCE STANDARDS				
Event Category	**Application**	**Explanation**	**Supporting Documents**	**Reference**
	• Such events include, but are not limited to, the following: typhoon, storm, tropical depression, flood or inundation, lightning strikes, earthquake, volcanic eruption, fire, epidemic, war, invasion, riot, national emergencies, civil disturbance, sabotage, explosion, insurrection, military or usurped power, acts of God or the public enemy, and the like.	• Explain why the generation offers were not adjusted in response to the event. If offers were already adjusted in response to the event, explain why deviation nonetheless occurred. • Measures taken to resolve situation, or to prevent or mitigate adverse impact.	• As applicable, notices to and from System Operator, PEMC, DOE, ERC and other relevant agencies regarding occurrence of events and measures undertaken. • Significant event reports to relevant government agencies.	1.1.2.2.1.5 Outside Management Control (OMC) Outage
Forced Outage	• This applies to situations when the generating unit went on forced outage during an interval because of plant problem or failure that resulted in automatic or manual tripping. • This also applies in situations where the forced outage occurred in a prior interval, but the unit was nonetheless scheduled as it had a standing offer that was not cancelled, and the outage was not considered in the scheduling process. • If the unit tripped because of failure in a transmission equipment, this should be reported as "Transmission-Related Constraint" event instead. • When the problem occurs and does not instantaneously lead to outage and the plant is able to manage it through gradual shutdown process, the deviation in the intervals (with non-zero actual generation output) prior to the total outage shall be reported as "Plant Equipment-Related Problem/Maintenance".	• Describe the outage event, including cause and equipment or unit affected, time of occurrence, time unit went offline and re- synchronized, and activities undertaken. Indicate whether tripping was automatic or manually implemented by the plant operator. • For aggregated units/blocks or units with multiple engines and outage affected a component unit/engine only, state the unit/engine affected and, if determinable, the resulting reduction in generation output and should be reported under "Event Category + (Aggregated Generating/Component Unit/s)" • If the outage occurred in a prior interval but the unit was scheduled as it had standing offers, state why offers were not cancelled or adjusted. • Indicate the unit's state/outage type (ERC Res. 21 S. of 2016)	• Notices to and from the System Operator on the occurrence of the outage • Plant operator logs, incident reports and other plant data or documents showing occurrence of the outage, and activities undertaken. Significant event reports submitted to relevant government agencies.	• ERC Resolution No. 21 Series of 2016 • Philippine Grid Code 2016 Edition

DISPATCH CONFORMANCE STANDARDS				
Event Category	**Application**	**Explanation**	**Supporting Documents**	**Reference**
Governor Response to System Frequency	• This applies to generating units that are operating in AGC or GCM. • If the unit is providing contingency reserve and is operating on a GCM or AGC and is dispatching more than the dispatch schedules for energy, such will be reported under the category "Ancillary Services (Contingency Reserves)"; but if its dispatch is lower than the dispatch schedule for energy because it is controlled by AGC, such will be reported under this category. • If the unit is providing regulating reserve and its load is fluctuating i.e., raising or lowering, with the aim of maintaining frequency at a pre-established value and/or returning the frequency to nominal values, such shall be reported under the "Ancillary Services (Regulating Reserves)" Category.	• State the reason for operating on AGC or GCM, *e.g.,* provision of regulating or contingency reserve, conditions under power supply contracts, etc. • If not scheduled to provide reserves, protocols or procedure governing operations at AGC or GCM.	• If scheduled to provide reserves, data or document showing or confirming that the unit was providing such service during the interval in question. • Approved and updated DAASS • If not scheduled to provide regulating reserve, copy of protocol governing the operation of the unit on AGC or GCM.	Philippine Grid Code, Sec. G.O. 6.6.4, 6.6.5, 6.6.6 Automatic Generation Control
Island Mode Operation	• This applies to situations in which a distribution and/or portion of the system becomes electrically isolated from the remainder of the power system, due to the following: ○ Unplanned outage due to a fault from the Grid and Distribution Systems, or affected by the Manual Load Dropping (MLD) of the connection line due to power deficit and during Extreme State of the Grid (i.e. Partial or Total System Blackout); or ○ Any planned outage, and ○ Such isolated portion is energized by the Embedded Generation Company connected to it.	• State the transmission equipment affected, nature of failure or activity, and time of occurrence. • Specify the nature of the planned/unplanned outage • Describe System Operator's instruction or clearance for islanding mode operation, if any, and time of such instruction/clearance.	• Plant operator logs, data and reports showing Island Mode Operation during the interval and other relevant information • Clearance from the SO to implement Islanding Operation • Communications to and from the System Operator regarding de-energization and Synchronization to the Grid during Islanding Operation	• ERC Islanding Operation Guidelines Philippine Grid Code

DISPATCH CONFORMANCE STANDARDS				
Event Category	**Application**	**Explanation**	**Supporting Documents**	**Reference**
Legal or Regulatory Compliances	• This refers to sudden deviation that needs to be done in compliance with the rules, regulations and standards issued by government agencies, and where compliance would effectively result in deviation or curtailment in the operations of the power plant. For example, the need to adjust the generation output in maintaining the allowable level of sulfur oxide (SOx) emissions as may be regulated or set by the Department of Environment and Natural Resources [DENR]). • This does not apply to compliances or obligations under power supply contracts, IPP contracts and other commercial contracts. • If compliance with obligations of said commercial contracts affects the ability of the power plant to generate according to its dispatch schedule to operate its business, report under "Other Causes" as applicable.	• State order, writ, rule, regulation or standard being complied with and the issuing agency. • Explain effect on actual generation of the affected unit, such as full or partial curtailment, suspension or cessation of operations. • If compliance was expected to result only in partial curtailment and offers were already adjusted to address the situation, explain why the deviation occurred, nonetheless. • If curtailment became necessary to prevent breach of rule, regulation or standard, explain cause or condition that was expected to result to a possible breach of the requirement, e.g., emission levels, and which prompted the curtailment. • Measures undertaken to resolve problem or possible breach of standards, or to adjust offers based on circumstances.	• Certified copy of order, writ, decision or resolution, if applicable • Copy of rule, regulation or standard, if applicable • Plant operator logs, incident reports and other plant document showing curtailment, cause of curtailment and activities undertaken Significant event reports submitted to relevant government agencies	
Load Fluctuation or Stabilization	• This applies to situations when the generating unit was in the process of load stabilization or normalization or is experiencing load fluctuations while undergoing operational procedures or activity. This may include load stabilization or fluctuation during, or as a result of: a) Start-up or shutdown procedure b) Fuel change-over procedure	• If load fluctuation is normally expected from the procedure or activity, explain why the deviation went beyond +1.5% and -3% dispatch tolerance. Take into consideration that the dispatch tolerance should already cover fluctuations and transitions occurring in the normal course of operations of the power plant.	• Plant operator logs, data and reports showing conduct of procedure or activity, or showing fluctuations experienced, and if applicable, activities taken to resolve the situation. • Communications to and from the System Operator on conduct of procedure or activity, e.g., start-	Philippine Grid Code, Sec. G.O. 6.6.4, 6.6.5, 6.6.6 Automatic Generation Control

DISPATCH CONFORMANCE STANDARDS				
Event Category	**Application**	**Explanation**	**Supporting Documents**	**Reference**
	c) Equipment change-over procedure d) Plant Performance or Other Testing e) Load transition to or from a high loading level and vice versa, or during a start-up/shutdown of new mills/ engines, equipment, etc. that is being done in the course of such transition f) A plant problem or maintenance or while the trouble is being fixed/ addressed When it is ascertained that the deviation is a direct result of a plant problem or failure resulting in a sudden deration or reduction in capacity, rather than a fluctuation or stabilization during troubleshooting, the same shall be reported as "Plant Equipment-Related Problem/Maintenance". g) Coal variations due to the coal quality and its homogenous nature h) High/low/erratic steam pressure or ambient condition for a specific or certain hour or period.	• If offers were already managed or adjusted to account for possible fluctuations, explain why the unit was still unable to comply with the schedule within the dispatch tolerance and cite factors causing or contributing to deviation. • If fluctuation was caused by a failure or trouble affecting the power plant, describe the failure, indicate the causes and measures taken to resolve the situation. • If the fluctuation occurred during a generator routine test, indicate the type and duration of tests and problems encountered, if any, during the tests • If the fluctuation was caused by equipment parameters (e.g., Temperature, pressure, frequency), discuss the equipment's normal operating measures. • If the fluctuation was due to fuel supply quality, indicate the range of possible/expected MW deviation. • If the fluctuation was due to equipment maintenance procedures, indicate the range of possible/expected MW deviation. • For start-up and shutdown procedure, indicate the exact interval/time which the System Operator gave clearance to ramp- up or ramp-down.	up/shutdown, fuel change-over, etc. • Significant event reports to relevant government agencies. • Relevant Load/ trend/ parameter graphs during normal conditions vs abnormal conditions. • Summary/Table of Megawatt capacity per fuel levels Power Plant Start-up/shutdown profile	

DISPATCH CONFORMANCE STANDARDS				
Event Category	**Application**	**Explanation**	**Supporting Documents**	**Reference**
		• For start-up and shutdown procedure, indicate if the unit has a fast start capability. • For start-up and shutdown procedure, indicate the number of minutes/hours needed to synchronize to grid/ reach its maximum capacity.		
Market Intervention or Suspension	• This pertains to deviations that occur during an event when the grid is in alert or emergency state as established in the Grid Code arising from a threat to system security, force majeure event or emergency, or in relation to the simulation or implementation of the business continuity or disaster recovery procedures; and the resulting RTD schedule is not implementable. • If the generating unit receives special instructions from the System Operator, report under the category "Re-Dispatch Instruction (MI/MS)"	• Describe instructions, indicating nature of instruction, MW target and time instruction was issued. • To the extent known, describe the emergency condition that prompted the issuance of the instructions.	• Plant operator logs, incident reports and other plant data and document showing market intervention activities. • Communications to or from the System Operator during the Market Intervention	• WESM Dispatch Protocol Section 16 Procedures during Market Intervention or Suspension • WESM Rules
Market System Constraints	• Applies to incidents caused by constraints, limitations or error related to the MMS. For example, flagging the generating unit when it has negative actual generation in the intervals with zero (0) MW RTD schedules); or flagging the must dispatch generating unit for DCS even though it is not covered by DCS monitoring.	• Describe the error in flagging • Explain the circumstances and the nature of the limitation or the constraints encountered	• Market Data Reports from the System Operator or Market Operator • Screenshot of MMS Error Prompt/Notice • Communication or Helpdesk Ticket (filed with the Market Operator) • Plant operator logs, data and reports showing the cause of the error	• WESM Rules 6.7.2

DISPATCH CONFORMANCE STANDARDS				
Event Category	**Application**	**Explanation**	**Supporting Documents**	**Reference**
Plant Equipment Related Problem/Maintenance	• This applies to events where a power plant's output is derated in real time and is unable to attain its dispatch targets due to technical/operational problems encountered by the plant affecting it or its equipment or parts. • This also applies to the activities relating to repair, rectification, or maintenance of the plant, equipment ir parts thereof to address or prevent further equipment failure or breakdown. • This likewise applies when the generating unit is still online while undergoing emergency shutdown, the same shall also be reported under this category. However, if the generating unit needs to be shut down due to avert further damage to the plant, or to fix / troubleshoot the problem, report as "Forced Outage". • However, if the shutdown process is carried out towards a planned maintenance outage, report it under the classification "Load Fluctuation or Stabilization (During Shutdown Process)".	• Describe the specific constraints - the specific equipment that encountered a problem and/or was subjected to maintenance and which caused the deviation and affected the actual generation of the affected unit. • Indicate the duration of the corrective or preventive actions or the actual activities of the plant relative to the rectification, repair or maintenance. • Indicate the practice or protocol in terms of communicating the problem with the System Operator or the Market Operator.	• Plant operator logs, data and reports showing the state of the equipment which caused the deviation in dispatch – including photos of damaged equipment • Communications to and from the System Operator on the problem/constraint that affected the generating unit. • Significant event reports to relevant government agencies.	• Dispatch Protocol Manual 20 Section 6.14 (Report of Material Adverse Change in the State of Trading Participant Facilities). Section 11 (Dispatch Implementation)
Plant Operations-Related Constraints	• This applies to power plants that are affected in their dispatch due to the unique operational nature/ structure of their facilities. E.g., combined cycle operation.	• Describe the plant operations-related constraint that caused the deviation and its effect on the actual generation of the affected unit. • State the technical constraint that prevents the unit from following the	• Plant operator logs, data and reports showing the constraints or conditions during the interval, variations in schedule and other relevant information.	• Dispatch Protocol Manual 20 Section 6.14 (Report of Material Adverse Change in the State of Trading Participant Facilities).

DISPATCH CONFORMANCE STANDARDS				
Event Category	**Application**	**Explanation**	**Supporting Documents**	**Reference**
	• This may also apply to situations when it becomes imperative, under a certain situation, for the generating unit to deviate from its dispatch schedule due to technical parameters or factors in order to avert or avoid further damage or deterioration of the plant, equipment, or parts thereof. If the plant or its equipment or parts have already been damaged or affected which resulted in the deviation from RTD schedule, report it as "Plant Equipment-Related Problem/Maintenance". • If the constraint pertains to RTD schedule being scheduled below Pmin, report as "Technical Constraints".	dispatch schedule and explain its effect on the generating unit.	• Communications to and from the System Operator on constraints affecting the generating unit. • Significant event reports to relevant government agencies.	• Section 11 (Dispatch Implementation)
Re-Dispatch Instructions	• This applies to instances when the generating unit was re-dispatched by the System Operator under any of the circumstances, which are likewise referred herein as sub-classifications under this category: a) Constrain-on and constrain-off generators (e.g., Imbalances of supply, demand, and frequency, or to address reliability and security of the grid). This does not apply to cases where the designation of the unit as MRU was made in the schedules or through imposition of security limits, *i.e.*, scheduled MRUs.	• State whether the original dispatch target was changed or not. If changed, state new dispatch target. • Describe instructions, indicating nature of instruction, MW target and time of instruction and lifting of instruction. • To the extent known, describe the emergency condition that prompted the issuance of the instructions. • If several instructions were given or were given in series, describe all instructions issued and time/s issued. • State if the unit was able to comply with the new System Operator dispatch instructions. If not, state reason for non- compliance.	• Record of communications to and from the System Operator. • Plant operator logs and other plant data showing System Operator instructions and compliance by the power plant with instructions. • If the unit is called to run as MRU but it was not included in the Weekly MRU Report of the System Operator that is published in the WESM website, provide a record of communications to and from the System Operator of the MRU call.	• WESM Rules Clauses 3.8.4 and Chapter 6 • WESM Manual – Emergency Procedures • WESM – System Security and Reliability Guidelines Manual • WESM Dispatch Protocol Manual WESM Management of Must Run and Must Stop Units

DISPATCH CONFORMANCE STANDARDS				
Event Category	**Application**	**Explanation**	**Supporting Documents**	**Reference**
	b) If System Operator issued dispatch instructions specifically to address transmission-related constraint or line limitations or problems. c) During market intervention or suspension, and the dispatch schedules generated by the Market Management System becomes unimplementable and are superseded by the System Operator's Instructions. d) Other System Operator Instructions - This applies to instances when the System Operator issued instructions – not falling in other categories of System Operator Instructions – but is identified as a cause or reason for the generating unit to deviate from its dispatch schedule or to generate even if not scheduled. • If the generating unit provides Ancillary Services through instructions from the System Operator, such be report under event category "Ancillary Services".			
Resource Constraints	• This includes intervals when the unit was affected by a sudden limitation on its resources • This shall not apply in situations where the energy trader is not constrained from reflecting the resource constraint or limitation in its "Offer/s" or "Nominations" in the MMS.	• Indicate reduction in available capacity, MW, resulting from constraint and the actual time the incident occurred • Identify constraint affecting resources. • Explain effect of constraints on the plant generation	Plant records, data and reports showing the sudden limitation or constraints	

DISPATCH CONFORMANCE STANDARDS				
Event Category	**Application**	**Explanation**	**Supporting Documents**	**Reference**
RTD Discrepancy	• This category applies in situations if the unit was dispatched by the System Operator because of a discrepancy in the real-time dispatch schedules due to reasons attributable to SCADA discrepancy, misreading of breaker status, etc. • This also applies to RTD schedule inconsistency between MMS-RTD and the Market DOT Data of the Compliance Monitoring (CMON) of the MMS.	• Describe the reasons of a discrepancy in the real-time dispatch schedule (e.g., the breaker status is read as open when it is actually closed and vice versa). • Specify if there is a discrepancy in the RTD Schedule data between the MMS-RTD Interface and CMON-DOT/CPEMS-DCS Module.	• Plant operator logs, incident reports and other plant data and document showing System Operator instructions and reasons of discrepancy. • Record of communications to and from the System Operator	
Station, House, Industrial Load or Use	• This applies to generating units which are monitored at gross capacity (inclusive of own loads) and are also offered and scheduled at gross. This does not apply when own loads are netted out of the generation offers.	• Provide monitoring data on actual station use, house or industrial load and on gross generation. Data should be in MW.	• Monitoring data, in MW, on actual station use, house or industrial load. • Meter location and single line diagram • Report from SO/MO providing the details of the discrepancy of meter reading or confirmation of the current set up of meter reading (from SO/MO)	
Technical Constraints	• This applies to intervals when the unit was scheduled below its technical Pmin. • This may also apply to other technical limitation that may cause generator unable to meet its dispatch schedule	• Indicate the unit Technical Pmin • Indicate unit Technical Limitation • State if it is currently running or currently off-line when the RTD schedule (that is below Pmin) was published by the MMS.	• Generator Technical Specifications • Detailed study and justification of the limitation	

DISPATCH CONFORMANCE STANDARDS				
Event Category	**Application**	**Explanation**	**Supporting Documents**	**Reference**
Test and Commissioning	• This shall apply to new power plants undergoing testing and commissioning. • Under valid and justifiable circumstances, this category may likewise apply to power plants which are on a prolonged test and commissioning phase • If the generating unit already in commercial operation or with FCATC and is experiencing load fluctuations while undergoing a plant test activity, report as "Load Fluctuation or Stabilization."	• Describe the cause of deviation and its effect on the actual generation of the affected unit. • Indicate the type of activity conducted. • Indicate the schedule with the pre-determined duration and actual duration of the activities. • Describe the cause if the activity was aborted, delayed, or prolonged.	• Copy of PCATC • Plant operator logs, data and reports showing conduct of testing and related activities undertaken. • Communications to and from the System Operator on conduct of testing or activity. Certificate attesting successful test and commissioning of the generation facility.	• WESM Dispatch Protocol Manual Issue No. 21 Section 7.6 Over-Riding Constraints - Regulatory and commercial requirements.
Transmission-Related Constraints	• This applies to grid or sub-station failures or activities which affect the operations of the generating unit, such as when the unit tripped or was curtailed as a direct result of the transmission equipment failure. • If System Operator issued dispatch instructions specifically to address transmission-related constraint or line limitations or problems; should be reported as "Re-Dispatch Instructions". • If the plant was required to operate on island mode of operation resulting from Transmission Constraint, report as "Island Mode of Operation"	• State the transmission equipment affected, nature of failure or activity, and time of occurrence • Kindly indicate whether the ownership and control of the said equipment is under the plant or with the System Operator • Describe System Operator instructions, if any, and time issued. State effect on the generation or operations of the generating unit, e.g., tripping, shutdown or partial curtailment. If partial curtailment, extent or level of curtailment.	• Notice or communications to and from the System Operator. • Plant operator logs, incident reports and other plant data and document showing occurrence of transmission failure or issuance of instructions, procedures carried out in the power plant to respond to failure or instructions. • Significant event report submitted to relevant government agencies.	• WESM Definition of Terms (Definition of Available Capacity) Issue No. 3 • ERC Resolution 17, series of 2013 – 1.1.1.1.3.4 in relation to 1.1.2.2.1.5 (Outside Management Control)

DISPATCH CONFORMANCE STANDARDS				
Event Category	**Application**	**Explanation**	**Supporting Documents**	**Reference**
Other Causes	• This applies to events or incidents that are not otherwise covered in the identified event categories provided in this document	• Describe the event or incident. • Indicates the problem encountered during the operation of the plant. • Describe the extent or effects on the participant operations or the power plant.	• Relevant data on actual or expected conditions. • Plant operator logs and similar documents showing the constraint affecting the actual generation of the plant. • Significant event reports submitted to relevant government agencies	

Note:

- If a power plant or facility has multiple generating units located in a single generation station and has aggregated representation in the market network model, the foregoing event categories shall likewise apply but the generating unit is advised to indicate in its explanation if a particular event applies to **"Aggregated Unit/s"** and state which aggregated unit/s is/are affected (e.g., Diesel Engine A, B, C, etc.)