



Philippine Electricity
Market Corporation

WESM COMPLIANCE BULLETIN

Issue No.	Date Issued	Contents
11.0	26-Feb-2021	Event Categories Guide for Generator-Trading Participants in Responding to Non-Compliance Notice/ Notice of Investigation

Enforcement and Compliance Office Philippine Electricity Market Corporation

26 February 2021

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

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 Rule on the Nomination of Projected Outputs or Loading Levels and the Real-Time Dispatch Schedules by scheduled generation companies and scheduled generating units.

This Bulletin which modifies the classification, or the categories provided in WESM Compliance Bulletin Issue Nos. 3¹ and 4² shall serve as a guide for the generator-trading participants:

- In responding to the non-compliance notices, or the preliminary notice of investigation and in filling out the form, particularly on the non-compliance event classification; and
- In providing the relevant data and documents to be submitted in support of the event classification or category stated in the form.

The compliance forms referred to in WESM Compliance Bulletin No. 8.0³ and 9.0⁴, as well as the format, naming convention, and retrieval or submission of forms set therein, shall remain the same and shall continue to be used for purposes of compliance monitoring and investigation.

This issue is divided into two (2) parts:

- A. EVENT CATEGORY GUIDE FOR THE MUST OFFER RULE/ RULE (MOR) ON THE NOMINATION OF PROJECTED OUTPUTS OR LOADING LEVELS (NOM) CASES 3**
- B. EVENT CATEGORY GUIDE FOR REAL-TIME DISPATCH SCHEDULE (RTD) CASES23**

¹ Non-Compliance Events Classification and Non-Compliance Report Form 1 – Possible Non-Compliance with the Must Offer Rule by Scheduled Generating Units (Revision 1.0)

² Non-Compliance Events Classification and Non-Compliance Report Form 2 – Possible Non-Compliance with Real Time Dispatch Schedules/Instructions by Scheduled Generating Units (Revision 1.0)

³ Revised Significant Event Report Form (SERF) and New Dispatch Deviation Report Form (DDRF)

⁴ Retrieval and Submission of Investigation-Related Documents



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A. EVENT CATEGORY GUIDE FOR THE MUST OFFER RULE/ RULE (MOR) ON THE NOMINATION OF PROJECTED OUTPUTS OR LOADING LEVELS (NOM) CASES

MUST OFFER RULE/ RULE ON NOMINATING OF PROJECTED OUTPUTS OR LOADING LEVELS				
Event Category	Application	Explanation	Supporting Documents	Reference
Ancillary Services (Dispatchable Reserves)	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> For this event category to apply, the generating plant must be scheduled for dispatchable reserve on the day-ahead ancillary services schedules; 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 aggregated units or resources with multiple engines, indicate unit/engine and total MW that is not available for energy and is dedicated for dispatchable reserve. Details of ASPA and certification as A/S provider – date of agreement, ERC approval, and type of A/S contracted/certified. 	Day-ahead ancillary services schedules, ancillary services nominations, or copies of the ASPA.	WESM Rules Appendix A.1

MUST OFFER RULE/ RULE ON NOMINATING OF PROJECTED OUTPUTS OR LOADING LEVELS

Event Category	Application	Explanation	Supporting Documents	Reference
<p>Outage</p>	<ul style="list-style-type: none"> • This applies to all types of planned or unplanned outages, except forced outages classified as Outside Management Control (OMC) in ERC Resolution 17. The latter will fall under other event categories. • This includes intervals when the unit is undergoing online testing as part of maintenance activities during the outage period • For natural gas power plants, this includes intervals when the power plant was placed on planned or maintenance outage during the gas supply curtailment. • For outages that was purposely scheduled to synchronize within the gas supply curtailment period - that the plant would have not gone on planned or maintenance outage if were not for the curtailment, please report as Resource Constraint – Natural Gas. 	<ul style="list-style-type: none"> • Type of outage – planned or unplanned. If unplanned, indicate is forced or maintenance outage <ul style="list-style-type: none"> ➢ 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. • Cause of outage or activities undertaken • Duration of outage – date and time of start and end of outage • Conduct of online testing <ul style="list-style-type: none"> ➢ Basis for determining capacity offered during conduct of online testing ➢ Duration of online tests 	<ul style="list-style-type: none"> • 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 • Significant event or other reports submitted to ERC, DOE or other government agencies or other entities 	<p>WESM Dispatch Protocol Glossary (Definition of Maximum Available Capacity [MAC])</p> <p>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</p> <p>Outside Management Control – 1.1.2.2.1.5 – falls under different event categories.</p>

MUST OFFER RULE/ RULE ON NOMINATING OF PROJECTED OUTPUTS OR LOADING LEVELS

Event Category	Application	Explanation	Supporting Documents	Reference
<p>Derating – Plant Equipment-Related Failure/Maintenance</p>	<ul style="list-style-type: none"> 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 (1.1.1.1.3.4). The latter is classified under other event categories. 	<ul style="list-style-type: none"> Type of derating – maintenance or force 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 	<ul style="list-style-type: none"> Notices to and from NGCP, PEMC and relevant government agencies regarding derating or activity 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 	<p>WESM Dispatch Protocol Glossary (Definition of Maximum Available Capacity [MAC])</p> <p>ERC Resolution 17 – • 1.1.1.1.2 • 1.1.2.2.3.1 to 1.1.2.2.3.</p> <p>Outside Management Control – 1.1.1.1.2 – falls under different event categories.</p>

MUST OFFER RULE/ RULE ON NOMINATING OF PROJECTED OUTPUTS OR LOADING LEVELS

Event Category	Application	Explanation	Supporting Documents	Reference
<p>Derating –Plant Degradation/Condition</p>	<ul style="list-style-type: none"> • This is not necessarily an exempting circumstance. <p>This category may be allowed in cases of prolonged or permanent derating attributable to natural wear and tear or aging of the plant but is not attributable to any plant equipment failure or maintenance or other plant operations constraints.</p>	<ul style="list-style-type: none"> • Type of derating – prolonged or permanent <ul style="list-style-type: none"> ➤ If prolonged: timeline for restoration of capacity to registered maximum capacity ➤ If permanent: with 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 <ul style="list-style-type: none"> ➤ Basis for determining capacity offered during conduct of online testing ➤ Duration of online tests 	<ul style="list-style-type: none"> • Notices to and from NGCP, PEMC and relevant government agencies regarding derating or activity • 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 <p>Recent Capacity Test</p>	<ul style="list-style-type: none"> • WESM Dispatch Protocol Glossary (Definition of Maximum Available Capacity)

MUST OFFER RULE/ RULE ON NOMINATING OF PROJECTED OUTPUTS OR LOADING LEVELS

Event Category	Application	Explanation	Supporting Documents	Reference
<p>Derating – Ambient Conditions</p>	<ul style="list-style-type: none"> This applies to derating accounted for by deviations because of ambient conditions which are environmental factors that cannot be controlled directly, such as air temperature, and water temperature that affect a plant's operations with significant impact on the efficiency of specific generating technologies. 	<ul style="list-style-type: none"> Indicate reduction in availability or adjustment in offers or nominations, in MW, because of the effects of ambient conditions, the usual time of the day when plant could be affected by this factor, if determinable <p>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.</p>	<ul style="list-style-type: none"> 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 	<p>WESM Rules Appendix A1.1</p> <p>WESM Dispatch Protocol Glossary (Definition of Maximum Available Capacity and Technical Constraint)</p>
<p>Derating – Plant Performance/ Other Testing</p>	<ul style="list-style-type: none"> 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 "Testing and Commissioning" category. If the unit is undergoing offline or online testing as part of activities during a maintenance outage, this should be reported under "Outage" 	<ul style="list-style-type: none"> Type of testing/commissioning activity conducted. Cite basis for offered capacity, MW, such as test profiles, protocols or similar documents. Duration of testing activity <p>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.</p>	<ul style="list-style-type: none"> 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. 	<p>WESM Rules Appendix A1.1</p> <p>WESM Dispatch Protocol Glossary (Definition of Maximum Available Capacity and Technical Constraint)</p>

MUST OFFER RULE/ RULE ON NOMINATING OF PROJECTED OUTPUTS OR LOADING LEVELS

Event Category	Application	Explanation	Supporting Documents	Reference
<p>Resource Constraints - Hydro</p>	<ul style="list-style-type: none"> This refers to constraints affecting the water resources of hydro-electric 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 from limitations in water availability. If the restrictions/instructions are for causes other than limitations in water availability, please report as Other Causes or Legal and Regulatory Compliances, as may be applicable 	<ul style="list-style-type: none"> Indicate reduction in available capacity, MW, resulting from constraint. Identify constraint affecting water resources Explain effect of constraint on availability 	<ul style="list-style-type: none"> Water elevation data from relevant agencies, i.e., NIA, NPC, NWRB, Rule curve, operations/protocols Irrigation diversion and other requirements from NIA, NWRB or other relevant government 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 	<ul style="list-style-type: none"> WESM Dispatch Protocol Glossary (Definition of Maximum Available Capacity) ERC Resolution 17 – 1.1.1.1.3.4 in relation to 1.1..2.1.5 (Outside Management Control)

MUST OFFER RULE/ RULE ON NOMINATING OF PROJECTED OUTPUTS OR LOADING LEVELS

Event Category	Application	Explanation	Supporting Documents	Reference
<p>Resource Constraints - Geothermal</p>	<ul style="list-style-type: none"> This pertains to capacity limitations on geothermal power plants because of steam quality (chemical composition, condensible and non-condensable gases), steam pressure and temperature variation, well blockage and limitation on steam and brine collection and disposal system. 	<ul style="list-style-type: none"> 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 shared with other units. 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> WESM Dispatch Protocol Glossary (Definition of Maximum Available Capacity) ERC Resolution 17 – 1.1.1.1.3.4 in relation to 1.1..2.1.5 (Outside Management Control)

MUST OFFER RULE/ RULE ON NOMINATING OF PROJECTED OUTPUTS OR LOADING LEVELS

Event Category	Application	Explanation	Supporting Documents	Reference
<p>Resource Constraints-Solar</p>	<ul style="list-style-type: none"> • 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 unit went on planned or maintenance outage or is affected by 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". 	<ul style="list-style-type: none"> • 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. 	<p>Plant records showing the forecast or projected outputs of the day.</p>	<ul style="list-style-type: none"> • WESM Rules Clause 3.5.5.5. 3.5.9.1

MUST OFFER RULE/ RULE ON NOMINATING OF PROJECTED OUTPUTS OR LOADING LEVELS

Event Category	Application	Explanation	Supporting Documents	Reference
<p>Resource Constraints- Natural Gas</p>	<ul style="list-style-type: none"> • This applies to natural gas power plants that are supplied from the Malampaya natural gas facility. This includes 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. • 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, please report as “Outage”. • If the unit went on planned or maintenance outage during the curtailment, please report as an “Outage”. 	<ul style="list-style-type: none"> • Curtailment <ul style="list-style-type: none"> ➢ If curtailment is partial, indicate supply allocation for and equivalent MW output • Operations on alternate fuel <ul style="list-style-type: none"> ➢ Indicate the PMax when operating on alternate fuel, if different from that on natural gas. • Fuel change-over procedures <ul style="list-style-type: none"> ➢ Indicate if unit operated at reduced capacity while undergoing change-over procedures, and basis for determining MW offers. ➢ Describe the fuel change-over protocol and the usual duration. ➢ Problems encountered during change-over, if procedure was aborted, delayed or was not implemented as expected or in accordance with usual change-over protocol. 	<ul style="list-style-type: none"> • Notices to participant on curtailment. • Document showing Pmax on alternate fuel operations. <i>This can be a one-time submission, unless changed.</i> 	<ul style="list-style-type: none"> • 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.

MUST OFFER RULE/ RULE ON NOMINATING OF PROJECTED OUTPUTS OR LOADING LEVELS

Event Category	Application	Explanation	Supporting Documents	Reference
<p>Resource Constraint – Biomass</p>	<ul style="list-style-type: none"> • This applies to biomass power plants with seasonal operations or those utilizing resources or feedstock with limited availability. • if the plant went offline to conduct weekly/periodic repair, regardless of fuel supply level, please 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 power plant also an industrial generator or produces energy primarily for its own use, limitation on energy injected to the grid should be reported under “Station Use, House or Industrial Load”. 	<ul style="list-style-type: none"> • If operation is seasonal, cite seasonality. • If in operation but with limited feedstock – <ul style="list-style-type: none"> ➢ 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. 	<ul style="list-style-type: none"> • Plant operator logs and plant documents showing feedstock supply levels, projected and actual MW output and related data. • Notices to and from System Operator and other agencies on start or end of operations. • Significant event reports submitted to relevant government agencies. 	<p>WESM Dispatch Protocol Glossary (Definition of Maximum Available Capacity)</p> <p>ERC Resolution 17 – 1.1.1.1.3.4 in relation to 1.1.2.1.5 (Outside Management Control)</p>

MUST OFFER RULE/ RULE ON NOMINATING OF PROJECTED OUTPUTS OR LOADING LEVELS

Event Category	Application	Explanation	Supporting Documents	Reference
<p>Transmission-Related Constraints</p>	<ul style="list-style-type: none"> • This 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. • This also applies in situations where the System Operator issued dispatch instructions specifically to address transmission constraints or problems, other than the re-dispatch instructions which are based on Merit-Order Table (MOT) or when the unit was called as a Must-Run Unit (MRU). 	<ul style="list-style-type: none"> • 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 still pass through other transmission lines. • Specify the ownership of the lines and maintenance protocols with NGCP, if applicable. <p>Specify the nature of constraints, whether the constraints affect the transmission lines or the sub-station or equipment.</p>	<ul style="list-style-type: none"> • Single-Line Diagram Showing power distribution path from the incoming power source of the plant to the load. <i>This can be a one-time submission, unless changed.</i> • 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. 	

MUST OFFER RULE/ RULE ON NOMINATING OF PROJECTED OUTPUTS OR LOADING LEVELS

Event Category	Application	Explanation	Supporting Documents	Reference
<p>Startup/Shutdown Procedures</p>	<ul style="list-style-type: none"> This applies to generating units undergoing start-up or shutdown procedures in accordance with the WESM Manual on Procedure on Start-up and Shutdown of Generating Units (PSSGU) If the generating unit encountered problems during the start-up procedures, the reporting should be under derating- plant equipment problem/maintenance or outage. In case of emergency shutdowns because of problems in equipment, the event should be reported as derating-plant equipment problem/ maintenance, or outage. 	<ul style="list-style-type: none"> Indicate if load profile was submitted to the System Operator as required in the PSSGU Manual. If submission of offers was not in accordance with load profile submitted, explain reason for deviation. 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. 	<ul style="list-style-type: none"> Load profile submitted to System Operator or other entities (e.g., submitted to PSALM or NPC for NPC-IPP plants) 	<p>WESM Manual on Procedure on Start-up and Shutdown of Generating Units</p> <p>WESM Dispatch Protocol Manual Section 13</p>
<p>Labor and Management Conflicts</p>	<ul style="list-style-type: none"> This applies to situations when labor and management conflicts may result in work stoppage (e.g., strikes and lockouts) and prevent the participant or significantly reduce its ability to operate its power plant or otherwise participate in the WESM. 	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> Notices (e.g., strike or lockout), orders or resolutions of competent government agencies on work stoppage, and similar documents. 	<p>WESM Dispatch Protocol, Section 6.16 Report of Material Adverse Change in State of Trading Participant Facilities)</p> <p>ERC Resolution 17. s2013 – 1.1.2.2.1.5 (Outside Management Control)</p>

MUST OFFER RULE/ RULE ON NOMINATING OF PROJECTED OUTPUTS OR LOADING LEVELS

Event Category	Application	Explanation	Supporting Documents	Reference
		<ul style="list-style-type: none"> Describe measures taken to mitigate impact of the conflict on its operations, if applicable. 		
<p>Co-Generation Power Plants</p>	<ul style="list-style-type: none"> 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, limitation on energy injected to the grid should be reported under "Station Use, House or Industrial Load". 	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> Steam and energy data in MW or kW. Provide illustration of steam production and corresponding energy generation. This may be a one-time submission. 	<p>WESM Dispatch Protocol Glossary (Definition of Maximum Available Capacity and Technical Constraint)</p>
<p>Station Use, House Load or Industrial Load</p>	<ul style="list-style-type: none"> This applies to power plants, including industrial generators, that are monitored at gross capacity (inclusive of station use, house load and industrial load.) 	<ul style="list-style-type: none"> 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 are at fairly constant levels or varies from time to time and reasons for variations. Explain why offers submitted were net of own load instead of gross available capacity. 	<ul style="list-style-type: none"> Monitoring data on gross energy generation, own load and injected to the grid. Data must be in MW. 	<p>WESM Dispatch Protocol Glossary (Definition of Maximum Available Capacity and Technical Constraint)</p>

MUST OFFER RULE/ RULE ON NOMINATING OF PROJECTED OUTPUTS OR LOADING LEVELS

Event Category	Application	Explanation	Supporting Documents	Reference
<p>Testing and Commissioning</p>	<ul style="list-style-type: none"> 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 testing and commissioning phase. 	<ul style="list-style-type: none"> Cite basis for offered capacity, MW, such as test profiles, protocols or similar documents. Duration of testing activity For plants on prolonged Testing and Commissioning, indicate the reason for the delay in the completion of the testing and commissioning 	<ul style="list-style-type: none"> 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. 	
<p>Force Majeure Events</p>	<ul style="list-style-type: none"> 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. For strike or labor dispute events, please report under Labor and Management Conflicts. 	<ul style="list-style-type: none"> Identify and describe the force majeure event. Describe the effect or impact of the force majeure event, 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. 	<ul style="list-style-type: none"> 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. 	<p>ERC Resolution 17 – 1.1..2.1.5 (Outside Management Control) ERC Resolution 21 Series of 2016 –1.1.2.2.1.5 (Outside Management Control)</p>

MUST OFFER RULE/ RULE ON NOMINATING OF PROJECTED OUTPUTS OR LOADING LEVELS

Event Category	Application	Explanation	Supporting Documents	Reference
<p>Battery Type</p>	<ul style="list-style-type: none"> This applies to battery power plants that use renewable energy facilities that convert energy to electricity and store in battery If the non-submission of offer is due to exhausted capacity; inability of the renewable energy facilities, it can be reported under this classification. 	<ul style="list-style-type: none"> Indicate the state of charge that represents how much charge is left in a battery 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 full charged state. 	<ul style="list-style-type: none"> Plant operator logs, work orders, incident reports and similar documents Monitoring signals regarding its state of charge 	<p>Department Circulars No. DC 2019-08-0012 and 2018-08-0022</p>
<p>Pump Storage Power Plants</p>	<ul style="list-style-type: none"> This applies to pumped storage power plants while electronically connected but performing pumping functions. 	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> Plant records showing shift to or schedule of pumping operations and generation operation Communications to or from the System Operator on pumping and generation schedules. 	

MUST OFFER RULE/ RULE ON NOMINATING OF PROJECTED OUTPUTS OR LOADING LEVELS

Event Category	Application	Explanation	Supporting Documents	Reference
<p>Market System constraints</p>	<ul style="list-style-type: none"> This applies to incidents caused by constraints or limitations related to the market management system interface. This shall also apply to situations in which the Trading Participant/System Operator cancels a security limit due to the re-scheduling of 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. 	<ul style="list-style-type: none"> Explain the constraint or limitation in the MMS that lead to the inability to comply with the WESM Rules Explain the circumstances that lead to the inability to change its offer back to reflect its maximum available capacity Specify the nature of the security limit cancellation Specify schedule for revised security limit, if any. 	<ul style="list-style-type: none"> Screenshot of MMS Error Prompt/Notice, Logs or data showing the constraint/s Initial Security Limit Request to the System Operator showing Loading Schedule and Reason Communications to or from the System Operator regarding cancellation and revision of security limit Revised Security Limit Plant operator logs, data and reports showing the cause of the cancellation of security limit 	<p>Dispatch Protocol (on Market Gate Closure)</p>
<p>Legal or Regulatory Compliances</p>	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> State 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. 	<ul style="list-style-type: none"> 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 	

MUST OFFER RULE/ RULE ON NOMINATING OF PROJECTED OUTPUTS OR LOADING LEVELS

Event Category	Application	Explanation	Supporting Documents	Reference
	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> 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. 	<p>Significant event reports submitted to relevant government agencies</p>	
	<ul style="list-style-type: none"> This may also refer to restrictions made by NIA provided that the restriction is not caused by lack of water supply; otherwise, if the restriction pertains to water supply or lack thereof, it should be categorized under Resource Constraints-Hydro. <p>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 or the corporation to operate its business, please report under "Other Causes" or "Force Majeure Events", as applicable.</p>	<p>Measures undertaken to resolve problem or possible breach of standards.</p>		

MUST OFFER RULE/ RULE ON NOMINATING OF PROJECTED OUTPUTS OR LOADING LEVELS

Event Category	Application	Explanation	Supporting Documents	Reference
<p>Errors or Negligence</p>	<ul style="list-style-type: none"> • This is not necessarily an exempting circumstance. • This refers to deviations arising from errors, inadvertence, or negligence. This may include trader or operator errors, software errors or malfunction, interface failures (not attributable to MMS or PEMC), 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. 	<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • 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 or notices from third party communication or network providers. 	

MUST OFFER RULE/ RULE ON NOMINATING OF PROJECTED OUTPUTS OR LOADING LEVELS

Event Category	Application	Explanation	Supporting Documents	Reference
<p>Fuel Supply Constraint – Other Power Plants</p>	<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • Lack of fuel <ul style="list-style-type: none"> ➢ 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 <ul style="list-style-type: none"> ➢ 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 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. 	<ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> ○ MW equivalence of the available fuel supply ○ Summary of equivalent MW quantity per fuel quality. ○ Current fuel quality vs. equipment’s designed fuel quality 	<p>ERC Resolution 17 – 1.1.2.1.5 (Outside Management Control)</p>

MUST OFFER RULE/ RULE ON NOMINATING OF PROJECTED OUTPUTS OR LOADING LEVELS

Event Category	Application	Explanation	Supporting Documents	Reference
<p>Other Plant Operations-Related Constraints</p>	<ul style="list-style-type: none"> • This is not necessarily an exempting circumstance. • This refers to 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. This pertains to circumstance or constraint that does fall under other event categories. • This category shall also apply to power plants on combined cycle operations wherein the capacity is dependent on other component unit. 	<ul style="list-style-type: none"> • 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. • Indicate the duration of the activity; Indicate the Megawatt capacity available during such activity. • Measures implemented to rectify the situation, if applicable. 	<ul style="list-style-type: none"> • Plant operator logs, incident reports and other plant documents showing occurrence of constraint and activities undertaken Significant event reports submitted to relevant government agencies. 	

B. EVENT CATEGORY GUIDE FOR REAL-TIME DISPATCH SCHEDULE (RTD) CASES

REAL-TIME DISPATCH SCHEDULES				
Event Category	Application	Explanation	Supporting Documents	Reference
Re-Dispatch Instructions	<ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> a) Based on the Merit Order Table b) Called as Must Run Unit (MRU) in real-time or during an interval. 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. c) During market intervention or suspension, and the dispatch schedules generated by the Market Management System are superseded by the System Operator's Instructions. <p>If unit was re-dispatched based on MOT or was called to respond as an MRU during such intervention, please classify as "Re-dispatch based on MOT" or "Real-Time MRU Call" as applicable, even if these were</p>	<ul style="list-style-type: none"> • 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 instruction was issued. • 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 instruction 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. 	<ul style="list-style-type: none"> • 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. 	<p>WESM Rules 3.8.4 and Chapter 6</p> <p>WESM Manual – Emergency Procedures</p> <p>WESM Manual – System Security and Reliability Guidelines</p> <p>WESM Dispatch Protocol</p> <p>WESM Management of Must Run and Must Stop Units</p>

REAL-TIME DISPATCH SCHEDULES

Event Category	Application	Explanation	Supporting Documents	Reference
	<p>issued under emergency conditions.</p> <p>d) If the unit was re-dispatched because of a discrepancy in the real-time dispatch schedules due to reasons not attributable to the emergency direction but for causes like SCADA discrepancy, misreading of breaker status, etc., such should be reported under this Category with sub-classification "RTD Discrepancy"</p> <p>e) 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.</p>			

REAL-TIME DISPATCH SCHEDULES

Event Category	Application	Explanation	Supporting Documents	Reference
<p>Forced Outage</p>	<ul style="list-style-type: none"> This applies to situations when the generating unit went on forced outage during an interval because of a failure affecting the unit itself and applies whether the unit tripped automatically or was manually tripped. 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. 	<ul style="list-style-type: none"> Describe the outage event, including cause and equipment or unit affected, time it occurred, time unit went offline and re-synchronized, and activities undertaken. Indicate whether tripping was automatic or manually carried out by 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. 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) 	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> ERC Resolution No. 21 Series of 2016 Philippine Grid Code 2016 Edition
<p>Transmission-Related Constraints</p>	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Communications to and from the System Operator Plant operator logs, incident reports and other plant data and document showing occurrence of 	<ul style="list-style-type: none"> WESM Dispatch Protocol Glossary (Definition of Maximum Available Capacity) ERC Resolution 17 – 1.1.1.1.2 • 1.1.2.2.3.1 to 1.1.2.2.3.

REAL-TIME DISPATCH SCHEDULES				
Event Category	Application	Explanation	Supporting Documents	Reference
	<ul style="list-style-type: none"> This also applies in situations where the System Operator issued dispatch instructions specifically to address transmission-related constraint or line limitations or problems; and such instruction does not fall under the category of "Re-Dispatch Instructions," referred to above If the plant was required to operate on island mode of operation resulting from Transmission Constraint, please report as Island Mode of Operation 	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> Outside Management Control – 1.1.1.1.2 – falls under different event categories.
Battery Type	<ul style="list-style-type: none"> This category applies to Battery Energy Storage System Units where the deviation is resulting from unforeseen changes in the state-of-charge of the facility. If operating on generation mode to provide Ancillary Services, please report under Ancillary Services 	<ul style="list-style-type: none"> State the cause of 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. 	<ul style="list-style-type: none"> 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 and 2018-08-0022

REAL-TIME DISPATCH SCHEDULES

Event Category	Application	Explanation	Supporting Documents	Reference
<p>Plant Equipment Related Problem/Maintenance</p>	<ul style="list-style-type: none"> 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 or equipment or parts thereof, and or due to the need to implement maintenance on existing facilities to prevent further equipment failure or breakdown. If the plant equipment-related problem required the generating unit to shut down, and has in fact shut down, please report under "Outage". However, when the generating unit is still online although undergoing emergency shutdown, the same shall also be reported under this category. However, if the shutdown process is due to planned maintenance outage, report it under the classification load fluctuation/stabilization during shutdown process. 	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> 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. 	<p>Dispatch Protocol Manual 12 Section 6.16 (Report of Material Adverse Change in the State of Trading Participant Facilities). Section 11 (Dispatch Implementation)</p>

REAL-TIME DISPATCH SCHEDULES				
Event Category	Application	Explanation	Supporting Documents	Reference
Other Plant Operations Related Constraints	<ul style="list-style-type: none"> 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 plants, 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. 	<ul style="list-style-type: none"> 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 dispatch schedule and explain its effect on the generating unit. If constraint pertains to the Pmin, state if it is currently running or currently off-line (based on Protocol for Central Scheduling and Dispatch of Energy and Reserves 4.7.5) 	<ul style="list-style-type: none"> Plant operator logs, data and reports showing the constraints or conditions during the interval, variations in schedule and other relevant information. Communications to and from the System Operator on constraints affecting the generating unit. <p>Significant event reports to relevant government agencies.</p>	<p>Dispatch Protocol Manual 12 Section 6.16 (Report of Material Adverse Change in the State of Trading Participant Facilities). Section 11 (Dispatch Implementation) Protocol for Central Scheduling and Dispatch of Energy and Reserves 4.7.5</p>
Force Majeure	<ul style="list-style-type: none"> This pertains to events beyond the reasonable control of the participant, which effectively prevented it from complying 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. 	<ul style="list-style-type: none"> 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. 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. 	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> ERC Resolution 21, S. 2016 Annex A Article 1 Section 4 – Definition of Terms 1.1.2.2.1.5 Outside Management Control (OMC) Outage

REAL-TIME DISPATCH SCHEDULES				
Event Category	Application	Explanation	Supporting Documents	Reference
			<ul style="list-style-type: none"> Significant event reports to relevant government agencies. 	
Station Service, House Load or Industrial Load	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> Provide monitoring data on actual station use, house or industrial load and on gross generation. Data should be in MW. 	<ul style="list-style-type: none"> Monitoring data, in MW, on actual station use, house or industrial load. 	
Ancillary Services	<ul style="list-style-type: none"> This applies to ancillary services providers that were called by the System Operator to provide services or to respond in real-time or during an interval either as Contingency, Regulating, and Dispatchable Reserves. 	<ul style="list-style-type: none"> State type of service provided (whether Regulating, Contingency or Dispatchable) State the Ancillary Service Schedule (MW), if they are under Automatic Governor Control/Response, and Describe System Operator clearance for ASPA, if any, and time issued. 	<ul style="list-style-type: none"> 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)

REAL-TIME DISPATCH SCHEDULES

Event Category	Application	Explanation	Supporting Documents	Reference
<p>Legal or Regulatory Compliances</p>	<ul style="list-style-type: none"> 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. 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, please report under "Other Causes" as applicable. 	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> 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 	

REAL-TIME DISPATCH SCHEDULES				
Event Category	Application	Explanation	Supporting Documents	Reference
Island Mode Operation	<ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> ➢ 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. 	<ul style="list-style-type: none"> • 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 clearance for islanding mode operation, if any, and time issued. 	<ul style="list-style-type: none"> • 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

REAL-TIME DISPATCH SCHEDULES

Event Category	Application	Explanation	Supporting Documents	Reference
<p>Testing and Commissioning</p>	<ul style="list-style-type: none"> 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 testing and commissioning phase If the generating unit already in commercial operation and is experiencing load fluctuations while undergoing testing activity, please report as "Load Stabilization/ Normalization or Fluctuation or Transitions." 	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> 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. 	<p>WESM-DP-012 Section 7.6 Over-Riding Constraints - Regulatory and commercial requirements.</p>
<p>Load Stabilization/ Normalization or Fluctuation or Transitions</p>	<ul style="list-style-type: none"> This applies to situations when the generating unit was in the process of load stabilization or normalization or is experiencing load fluctuations while undergoing procedures or activity when it may not be reasonably expected to be operating normally. This may include, load stabilization or fluctuation during, or as a result of: <ol style="list-style-type: none"> Start-up or shutdown procedure Fuel change-over procedure Plant Performance or Other Testing 	<ul style="list-style-type: none"> 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. 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. 	<ul style="list-style-type: none"> 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-up/shutdown, fuel change-over, etc. 	

REAL-TIME DISPATCH SCHEDULES

Event Category	Application	Explanation	Supporting Documents	Reference
	<p>d) Load transition from or to high or low loading level or during a start-up of new mills/ engines, equipment, etc. that is being done in the course of the transition</p> <p>e) A plant problem or maintenance or while the trouble is being fixed/ addressed</p> <p>f) Coal variations due to the coal's homogenous nature</p> <p>g) High/low/erratic steam pressure or ambient condition for a specific or certain hour or period.</p>	<ul style="list-style-type: none"> • 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 tests, 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. 	<ul style="list-style-type: none"> • 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 (for discussion) • Power Plant Start-up/shutdown profile 	

REAL-TIME DISPATCH SCHEDULES				
Event Category	Application	Explanation	Supporting Documents	Reference
		<ul style="list-style-type: none"> 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. 		
Load Fluctuation/ Stabilization (Governor Response to System Frequency)	<ul style="list-style-type: none"> This applies to generating units that were operating in Automatic Generation Control (AGC) or free governor mode. If the unit is providing contingency reserve and is operating on a free governor mode 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>i.e.</i>, 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". 	<ul style="list-style-type: none"> State the reason for operating on AGC or free governor mode, e.g., provision of regulating or contingency reserve, conditions under power supply contracts, etc. <p>If not scheduled to provide reserves, protocols or procedure governing operations at AGC or free governor mode.</p>	<ul style="list-style-type: none"> If scheduled to provide reserves, data or document showing or confirming that the unit was providing such service during the interval in question. Approved Day-Ahead Ancillary Services Schedules If not scheduled to provide regulating reserve, copy of protocol governing the operation of the unit on AGC or free governor mode. 	Philippine Grid Code, Sec. G.O. 6.6.4, 6.6.5, 6.6.6 Automatic Generation Control

REAL-TIME DISPATCH SCHEDULES

Event Category	Application	Explanation	Supporting Documents	Reference
<p>Data Variances/ Data Validation Issue</p>	<ul style="list-style-type: none"> 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. <p>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 can only pertain to either of these sets of data (RTD Schedule, Actual Generation and Non-Updating Data)</p> <ul style="list-style-type: none"> Inconsistent or Non-updating- This applies to situations when the system snapshot data from the Market Management System shows a loading level that is abnormal, unusual, or unexpectedly different from the meter data or other relevant data. 	<ul style="list-style-type: none"> RTD schedule – if the variance is between RTD schedule indicated in the Request for Investigation and the participant’s own data of dispatch target communicated by the System Operator, provide record of communications to and from the System Operator on the dispatch target. 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. 	<ul style="list-style-type: none"> 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 observed or noted during the operations. 	