


Business Requirements Specification

OMS Enhancements – External BRS

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1. Introduction

1.1 Purpose

The purpose of this document is to capture and record a description of what the Users and Business Stakeholders of the project wish to obtain by providing high-level business requirements. This document establishes the basis for the agreement between the initiators and implementers of the project. The information in this document serves as input to determining the scope of Information Systems projects and to all Business Process Modeling and System Requirements Specifications efforts.


These requirements will serve as the initial set of business unit requirements for the appropriate software application/systems development effort. It is understood that additional requirements and systems analysis may produce “To Be” Business Process Models, System Requirements Specifications, and Use Cases to serve as the set of requirements documents used by the development teams to buy, modify, or build the necessary software and hardware systems. The Business Unit(s) involved in the project will have an opportunity to review and approve all requirements documentation produced.

2. Details of Business Need/Problem

2.1 Description

The Post Implementation OMS Enhancements project includes the following changes:

- Meeting Corporate Transparency goals
 - Transmission Transparency Report enhancements to post all active outages (not just approved outages) with "outage status" as part of the posting
- Customer Partnership Group Items
 - B2B Broadcast status updates – push notification service to members
-
- Reclassified /Deferred OMS Enhancements
 - Validate the "ChangeThreshold" only at time of submission of a change request, and allow change request to be accepted or rejected at any time.
 - Additional server side filtering to the Warning Summary.
 - Rules Engine that will allow configurable definition of what types of outages can be auto-approved

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3. Business Requirements

The sections below describe the Business Processes and the associated Business Requirements involved in the project. These may represent high level functional, non-functional, reporting and/or infrastructure requirements. These business requirements directly relate to the high level scope items determined for the project.

3.1 Business Process: < Manage Broadcast Status Update>

3.1.1 Business Requirements


ID#	Business Feature	Requirement Type	Business Unit(s) Affected	Potential Application(s) Impacted
PIOE-BRQ001	System shall have functionality to broadcast outage status updates, including outage ID, FAR/FAN, Participant Outage ID, Participant ID, Outage Status, Outage Status Reason. This can be setup based on state transitions.	Core	Operation Readiness	WebOMS
PIOE-BRQ002	System shall include “Participant ID” as an attribute in the OutageStatusUpdate API. There needs be a configuration per participant for who receives broadcasts. Only the participant on the outage will receive the broadcast.	Core	Operation Readiness	WebOMS

3.2 Business Process: < Manage Transmission Outage Report >

3.2.1 Business Requirements

ID#	Business Feature	Requirement Type	Business Unit(s) Affected	Potential Application(s) Impacted
OMSPI-BRQ023	System shall update the frequency of publishing Transmission Outage report from twice a day to once every 1 hour.	Core	Operation Readiness	WebOMS
OMSPI-BRQ024	System shall update the frequency of publishing snapshot of the Transmission Outage report from twice a day to once every 1 hour.	Core	Operation Readiness	CAISO.com
OMSPI-	System shall allow user to download a set of files for a given day which would include all	Core	Operation	CAISO.com

ID#	Business Feature	Requirement Type	Business Unit(s) Affected	Potential Application(s) Impacted						
BRQ025	files that are available for the selected day.		Readiness							
OMSPI-BRQ026	System shall include all outage status in the Transmission Outage report.	Core	Operation Readiness	WebOMS						
OMSPI-BRQ027	<p>System shall display consistency in the format of output data in the Transmission Outage report when using pipe-delimited feature as follows: For the same row of output data, all data elements in the same position in any field must correspond to each other.</p> <p>Example of existing Transmission Outage report where there are two inconsistencies in the output data format:</p> <ol style="list-style-type: none">Report shows one Outage ID, three Substations, and four Equipment Names.First listed Substation does not correspond to the first listed Equipment Name. <table><tr><th>Outage ID</th><th>Substation</th><th>Equipment Name</th></tr><tr><td>3042750</td><td>HUNTERS POINT PP P / MISSION X LARKIN Y / POTRERO PP A (PGAE) MISSION X</td><td>A-Y 2 BNK-2 P-X 1 P-X 2</td></tr></table>	Outage ID	Substation	Equipment Name	3042750	HUNTERS POINT PP P / MISSION X LARKIN Y / POTRERO PP A (PGAE) MISSION X	A-Y 2 BNK-2 P-X 1 P-X 2	Core	Operation Readiness	WebOMS
Outage ID	Substation	Equipment Name								
3042750	HUNTERS POINT PP P / MISSION X LARKIN Y / POTRERO PP A (PGAE) MISSION X	A-Y 2 BNK-2 P-X 1 P-X 2								
OMSPI-BRQ028	<p>System shall allow the format of the Transmission Outage report published periodically automatically to support the following formats:</p> <ol style="list-style-type: none">PDFHTMLMS Word	Core	Operation Readiness	WebOMS						
OMSPI-	System shall allow admin user to configure the number of days in the Transmission	Core	Operation	WebOMS						


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ID#	Business Feature	Requirement Type	Business Unit(s) Affected	Potential Application(s) Impacted
BRQ029	Outage report (as an input) to manage the time horizon of the outages to be included in the output of the report. For example, if admin user selects 45 days as an input, then report shall include all outages starting in the next 45 days.		Readiness	
OMSPI-BRQ030	System shall include equipment modeling as part of the output of the Transmission Outage report as follows: <ol style="list-style-type: none"> 1. Include Station, Voltage, Equipment, and Status for all items modeled as equipment under the outage, i.e. switch status positions (open or close) 2. Include CIM name, TR name, RDFID, and TR ID for all equipment and station items. 	Core	Operation Readiness	WebOMS

3.3 Business Process: < Manage Market impacts>

3.3.1 Business Requirements

ID#	Business Feature	Requirement Type	Business Unit(s) Affected	Potential Application(s) Impacted
OMSPI-BRQ032	System shall consume the OOS flag for NGR and Pump Storage resources on the load side, as part of the Generation Outage payload.	Core	Operation Readiness PSTD	IFM/RTM
OMSPI-BRQ033	System shall distinguish between OOS flag for load side vs. gen side and process accordingly.	Core	PSTD	IFM/RTM
OMSPI-BRQ036	System shall consume the spin/non-spin (AS) values that are included in an outage.	Core	PSTD	IFM/RTM
OMSPI-BRQ047	Market Systems need to consume payload for outages with NoW of Communications and Relay Work (Flowgates, Nomograms, and	Core	PSTD	IFM/RTM

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ID#	Business Feature	Requirement Type	Business Unit(s) Affected	Potential Application(s) Impacted
	Contingencies) and process any market impacts associated with the outages. For outages with the Relay Work Nature of Work, IFM/RTN must also process equipment rating change associated with these outages			

3.4 Business Process: < Manage retrieveResourceOutage API>


3.4.1 Business Requirements

ID#	Business Feature	Requirement Type	Business Unit(s) Affected	Potential Application(s) Impacted
OMSPI-BRQ041	System shall include “Invalid” and “Inconsistent” attributes in the retrieveResourceOutage API, in addition to the existing error messages that are returned in the B2B API for these scenarios.	Core	Operation Readiness	WebOMS

3.5 Business Process: < Manage Reclassified WebSupport Items>

3.5.1 Business Requirements

ID#	Business Feature	Requirement Type	Business Unit(s) Affected	Potential Application(s) Impacted
OMSPI-BRQ044	<div>System shall provide software enhancements to address the following reclassified enhancements:</div> <div><div>85431</div><div>UAT - 165 - Request to allow the "Notes" boxes to be double-clicked and open up to a full size window, and allow the user to change the size of the window.</div></div>	Core	Operation Readiness	WebOMS

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	92844	UAT - 731 - CIDI 00169719 Request is for the system to validate the "ChangeThreshold" only at time of submission of a change request, and allow change request to be accepted or rejected at any time.			
	91025	UAT - 675 - Request is add additional server side filtering to the Warning Summary.			
	92169	UAT - 714 - Request is for a type of Rules Engine that will allow us to define what types of outages can be auto-approved			
	89910	UAT - 573 - User is limited to a duration of 366 days when performing a search. There should not be a date range limit applied when filtering in the Outage Summary.			