



Reliability Requirements Customer Partnership Group

March 2017

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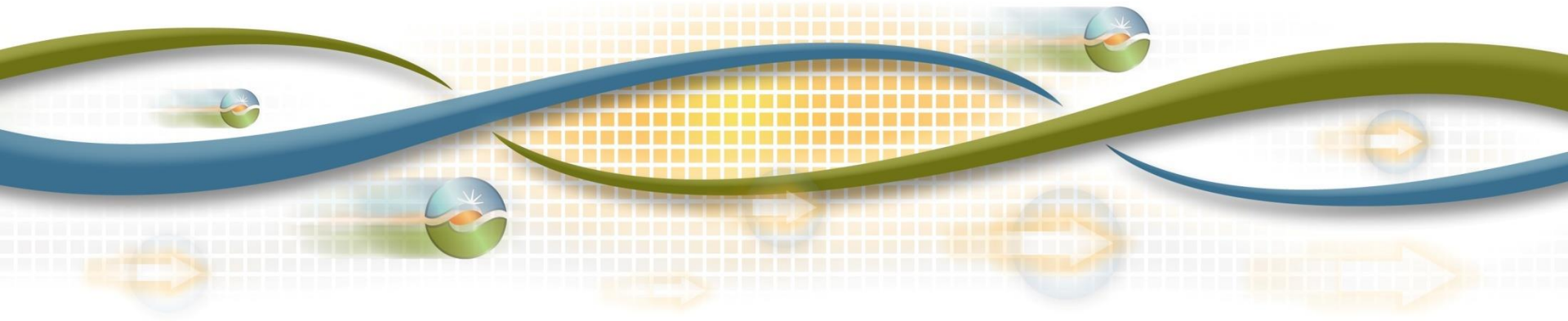
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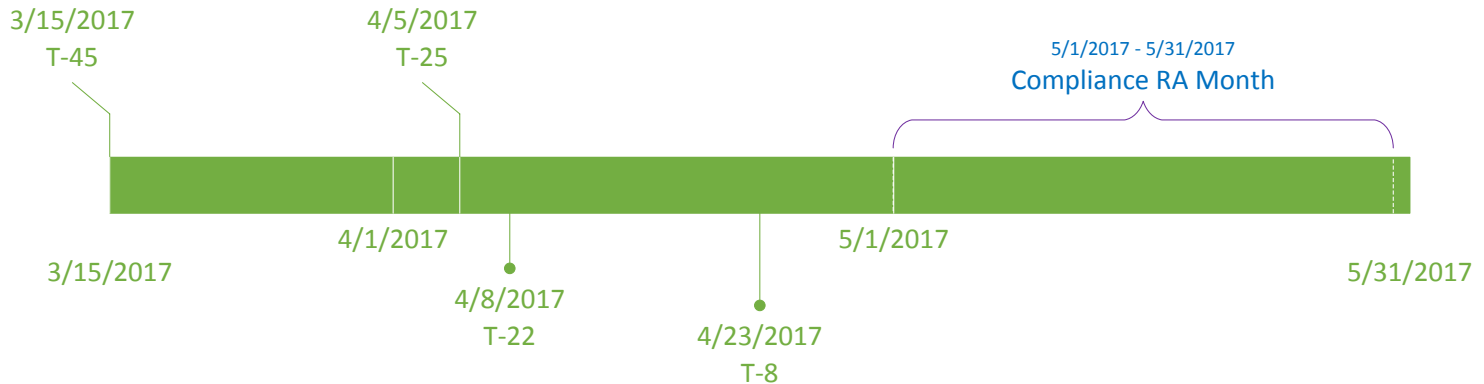
Agenda

1. Monthly RA Timeline
2. Questions on 'RSI -1B' BRS
3. Questions on 'RSI -2' BRS
4. Design considerations for future state
5. Questions?

Reliability Services Initiative Phase 1B – Monthly RA Timeline

T-45:
 RA Showings are due by T-45.
 Following validation are executed until EOM
 - Generic CV
 - Flex CV
 - Flex CV Analysis

T-25:
 Take Outage Snapshot for Planned outages for Compliance month.
 Following validation executed:
 - OIA with T-25 snapshot
 - CLRC/CSRM
 - POSO



T-22:
 Start Publishing POSO no later than T-22 with T-25 outage snapshot. This process will run until T-8.

T-8:
 Start Publishing POSO with OTD until reaching end of the compliance RA month.

Reliability Services Initiative Phase 1B
Business Requirements Specification
Business Requirements Specifications v1.1 - Reliability
Services Initiative Phase 1B

Reliability Services Initiative Phase 1B – Stakeholder comments

BRQ#	Question	CAISO Response
General	Can the ISO provide a table summarizing API changes for RSI 1B and RSI 2?	No B2B services are planned for 2017
General	Has the tariff been filed?	Tariff is filed normally between 60-90 days prior to go-live.
BRQ003	Can the ISO define “SR” and “NR”?	Specified and Non-specified replacement. (Implemented as part of Replacement Requirement initiative).
BRQ005	Should local RA also be included as a module?	Local RA is part of the cross validation.
BRQ006	Should system and local deficiency results be captured as a module?	System and local deficiency results are already displayed today. The requirement captures the delta.
BRQ009	Why aren't the initial local/system values stored?	A technology decision was made to not store the initial values. If there is a compelling business reason please let the ISO know.
BRQ010	Can the ISO explain how the UI screens would work for entities that are both the SC for the LSE and SC for the supplier?	The participant would need to gain access to both roles.
General	Can the ISO provide UI mockups for users to provide feedback on usability before major design works begins?	RA Customer Partnership item to be discussed.
BRQ025	The ISO should clarify that the system is checking against generic and not flex RA.	All of RSI 1B is related to generic RA. POSO does not apply to Flex RA.

Reliability Services Initiative Phase 1B – Stakeholder comments

BRQ#	Question	CAISO Response
BRQ030	In general, is local RA going to be aggregated or separated out into components?	It will be at the TAC area.
BRQ037	Can the ISO provide market participants the opportunity to review the warning messages with descriptions?	RA Customer Partnership item to be discussed.
BRQ064	Can the ISO revisit the publication date of the NQC list/updates? We suggest having this published the first week of the month which will have new and updated resources that start on the first of the month.	This will not be possible at this time. All approved NQC values are available as soon as the NQC is assigned. Publication is about posting list on www.caiso.com , however, all the values are available within CIRA as soon as the assignment is complete.
BRQ089	Can the ISO provide what Commercial Operation to Market (COM) MW means?	This means when only a part of a resource is declared available for operation and not the entire nameplate. Examples: Solar resources brought on in multiple phase.
General	Can the ISO update data in its CPM e-mail notifications to include end date, MWs, and price?	This conflicts with the ISO security standards. Please log into CIRA regarding information related to CPM.
BRQ622	The RA report should have ad hoc reporting functionality (i.e. the ability to filter to pull only certain data).	Please submit a CIDI ticket and this will be added to the RA product roadmap.
General	The ISO uses the term “on-demand” see BRQ012. Is this by ISO user or external user?	ISO user
BRQ036	Does this apply to external users?	This requirement was slated towards internal users.

Reliability Services Initiative Phase 2
Business Requirements Specification
Business Requirement Specification v1.0 - Reliability
Services Initiative Phase 2

Reliability Services Initiative Phase 2 – Stakeholder comments

BRQ#	Question	CAISO Response
General	When will the CIRA user guide be updated?	RA Customer Partnership item to be discussed.
General	Can the ISO confirm that all IT impacts are in-house (no vendor involvement)? Does this initiative include any API impacts?	No vendor impacts. No API impacts for Fall 2017.
General	Can the ISO clarify the decommissioning timelines for the annual and monthly templates?	For the monthly process for 2018, the ISO will be using the new template. For the annual process for 2018, the ISO will be using the current template. A market notice will be sent with this reminder and this will also be mentioned within the RA Customer Partnership Group.
BRQ014	Will the ISO show the MW value of each resource (local and system) that is available for substitution? UI mockups would be helpful.	This will be discussed in the RA Customer Partnership Group.
BRQ010	Won't substitution need to change with the splitting of local and system RA? (ISO mentions no impacts to downstream systems)	The ISO is referencing no impacts to internal downstream systems. Substitution/CV is currently located within CIRA so this will be impacted.
BRQ016	Will CIRA auto-populate both local and system MWs from a local non-RA resource for the substitution of both attributes?	The UI mockup of this particular requirement will be discussed in the RA Customer Partnership Group.
BRQ020	The ISO mentions that the RA application shall allow SCs to download EFC values into a spreadsheet. Current methods include csv, xls, and pdf. Will all of these formats still be available?	This is a design decision. Please mention this during the RA Customer Partnership Group.
BQR023	Is RRavg supposed to be a weighted average?	Yes it is a weighted average.

Reliability Services Initiative Phase 2 – Stakeholder comments

BRQ#	Question	CAISO Response
BRQ025	Why will the EFC calculation use the Pmax of the resource instead of NQC for TG and dynamic (tie) resources?	NQC is equal to Pmax for these resource types.
BRQ027	Is there a limit to the number of e-mail addresses per SC that can be registered part of the RA distribution list?	Discussion point for the RA CPG.
BRQ031	In regards to submitting after T-45 (plan should show up being late), should this be limited to T-30? Where after T-30 a late plan can no longer be submitted?	Our tariff doesn't support this suggestion.
General	If POSO is assigned, then the ISO should send an email to the SC saying POSO is assigned. Or please state in the BPM when any automated jobs are run in CIRA.	POSO information can not be put into e-mail due to security related concerns. In terms of stating when the automated jobs run, this can be discussed further in the RA CPG.
General	When will the ISO run the CV?	This is covered within the RSI 1B BRS. T-44 (day after submission).

RSI-1B & 2 Design Considerations

RSI 1B & 2 Outage Impact Analysis (OIA) Impacts

- Remove Outage Impact or Outage Availability report?
- Start T-9 or T-8 for OIA with OTD availability?
- Remove MW Balance, LSE Ratio views
- Remove LSE, Contract, Designation & Rank columns

RA Report

Option 1: Listing additional fields on the same line

RA Report

Submittal Type: M Resource: <Resource ID> StartDate: 01/02/2017

View [Reset](#)

Resource ID	Effective Start Date	Effective End Date	MOO Flag	NQC	PMAX	Supply MW	App. S	App. N	App. OM	Subst.	Orig.Res Subst.	CPM	CPM Subst.	Orig.Res CPM Subst.	Flex Cat.	Flex Supply MW	Flex Subst.	Orig.Res Flex Subst.	Orig.Res Flex CPM Subst.	Flex CPM	Flex CPM Subst.	Generic Total	Flex Total
<Resource ID>	01/02/2017	01/02/2017	N	0.04	20	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0

Local MW System MW POSO

Option 2: High level information and RA Details link

- High level information – start and end dates, MOO Flag, NQC, PMax, Supply MW, Flex Supply MW, Generic Total MW, Flex Total MW
- RA Details – Subst. MW, Orig. Res Subst. MW, CPM MW, CPM Subst. MW, Flex Cat., Flex Subst. MW, Orig. Res Flex Subst. MW, Orig. Res Flex CPM Subst. MW, Flex CPM MW, Flex CPM Subst., (S,N & OM) Replacement MWs(for pre RSI-1B data)

B2B Services in the Roadmap

B2B Services	Rank?
API to upload RA/Supply Plans	
API to submit CSP Offers	
API to submit submit/ retrieve substitutions	

Questions?