

NITS on OASIS Phase 2

Scoping & Implementation Recommendation



Agenda

1. Welcome, Introductions and Phone Etiquette
2. Meeting Objective
3. NITS on OASIS Phase 2 Overview
4. NITS on OASIS Module Review
5. NITS on OASIS Module Recommendations
6. NITS on OASIS Module Prioritized Summary
7. Questions and Comments

Meeting Objective

This meeting is intended to review outstanding Modules, discuss the current leaning of BPA staff, and to integrate customer commentary and direction into the final recommendation in Phase 2 for each of the remaining unimplemented NITS on OASIS modules.

NITS on OASIS Phase 2 Overview

Phase 1 Implementation

- Implemented in 2017 and currently included:
 - Use of the NITS Application
 - Contracted amount of load and generation
 - Identifying Network Resources and designating Network Resources.

Goals for Phase 2

- Review of remaining NITS on OASIS modules not implemented in Phase 1. Review areas:
 - *Pro forma* Compliance
 - Technical
 - Process & Procedures (Business Practices)
 - Customer Engagement
- Recommend/ Prioritize Modules for Phase 2 implementation.

Module Review - Scheduling Rights

- Scheduling Rights NITS functionality allows a customer to define requested transmission rights (DNR to Load) as part of a DNR request.
- Currently BPA manages ATC by requiring NT customer to submit a TSR along with a DNR to allow for system impact review (ATC impact).
 - This represents PTP service functionality “Required TSR submission” being utilized within the NT Space.
 - NAESB standards define this module as optional and do not provide any guidance on how the Scheduling Rights functionality is used in the evaluation of ATC.
 - OATI has implemented a proprietary solution for how NITS on OASIS can be integrated with a provider’s ATC methodology. This solution is compatible with Bonneville’s own ATC methodology.

Recommendation - Scheduling Rights

- BPA Staff (The Team) **does** recommend implementation of the Scheduling Rights Module during Phase 2. Implementation of this module would result in benefits for both customers and to BPA processes.
 - The Scheduling Rights Module integration of NITS on OASIS with BPA's Short Term ATC
 - Enabling of Concomitant Requests and automation of the undesignation of DNRs
 - Allows for changes in BPA BPs eliminating redundancy with customer interaction when submitting for NT Service.

Module Review - Concomitant Requests

- Recognizing NT customers may require flexibility to be able to change their resource mix in the short term. Being able leverage their existing transmission rights from one resource to enable getting transmission rights from an alternate resource to load.
 - PTP customers accomplish this type of activity via redirect transactions in which ATC released from the parent path may be used to enable ATC on the redirected path (via a “netting” calculation).
 - NT customers are not permitted to “redirect”, but they can meet the same business need through a Concomitant NITS request.
- Concomitant functionality allows an NT customer to leverage the transmission rights of an existing DNR to support a new request for **Network load** serving transmission on a different path.
- This functionality is **required** by *pro forma*.

Recommendation - Concomitant requests

- The Team **does** recommend implementation of the Concomitant Module conditionally during Phase 2. The condition for this recommendation is that the scheduling rights module also be implemented. The purpose of the Concomitant evaluation is to release ATC from a DNR and then leverage that to secure ATC on a new path via “netting”. It is the Scheduling Rights functionality that integrates NITS on OASIS with BPA ATC. Thus the “netting” evaluation at the heart of Concomitant capability relies on the Scheduling Rights integration with ATC.
 - Moving BPA into compliance with *pro forma*
 - Not requiring additional software or customization within OATI
 - Moving BPA NT processing away from the PTP construct previously required within BPA’s BPs (simplifying customer interactions while expanding functionality)

Module Review - Secondary Service

- This module allows Secondary Service (when enabled by the TP) to be requested by the customer within NITS on OASIS without the need for alternative steps to allow for ATC integration.
 - As with Scheduling Rights, NAESB standards do not define the relationship between Scheduling Rights and ATC, OATI has implemented a proprietary solution for how NITS on OASIS can be integrated with a provider's ATC methodology. This solution is compliant with Bonneville's own ATC methodology.
- OATI has implemented the Secondary Service functionality in compliance with NAESB standards.
- This functionality is **required** by NAESB Standards.

Recommendation - Secondary Service

- The Team **does** recommend implementation of the Secondary Service Module during Phase 2. This module will close compliance gaps and align with other recommendations moving customer requests for service away from TSR submission requirements.
 - Closure of a standing compliance gap
 - Limited expected implementation Lift
 - Shift away from PTP based NT implementation simplifying customer interactions and alignment with other recommendations within this document

Module Review - Auxiliary Service

- The Auxiliary Transmission Module allows a customer to include a DNR as part of a SAMTS Coordinated Group to identify the transmission arrangements on other parties' transmission systems that are required to support the delivery of energy from the DNR to the Network Load.
- Service Across Multiple Transmission Systems (SAMTS) is OASIS functionality that allows a customer to link multiple TSRs together from different Transmission Providers into a Coordinated Group.
 - If any of the requests in the Coordinated Group is not granted in full, the customer is then permitted to withdraw or rebid the requests on the other Transmission Provider systems.
 - The customer is only obligated to take service from any of the Transmission Providers if a full offer is made for all requests in the Coordinated Group.

Recommendation - Auxiliary Service

- The Team **does** recommend implementation of the Auxiliary Service Module during Phase 2. The Auxiliary Service Module may have limited utility as SAMTS transactions are relatively uncommon. The Team supports a move away from requiring submissions of TSRs to support NT service.
 - Unification of processing of NT transactions for customers requesting NT service to NITS on OASIS and away from TSR submissions as required for PTP service requests.
 - Simplification of submissions for SAMTS transactions
 - Limited Lift of implementation

Module Review

- **Ancillary Service**

- Ancillary Service is used to request any ancillary services in support of the NITS application. This module is optional for Transmission Provider to implement.

- **Load/Resource Forecasting**

- Defines a forecasted MW value over the specified start/stop interval, supplied to accommodate load forecasts that may be required by the Transmission Provider's minimum information requirements included in its Business Practices.

- **Generation Dispatch**

- Provides the Customer with the ability to upload generation dispatch cost information to the Transmission Provider as required for assessing any redispatch options or directives that may be issued to direct the redispatch of generation for reliability purposes.

Recommendation - Ancillary Service

- The Team **does not** recommend implementation of the Ancillary Service Module during Phase 2.
 - BPA's current implementation of charging for ancillary services associated with other purchased products directly
 - Large amount of technical and BP related changes required for implementation
 - Internal and external training requirements.

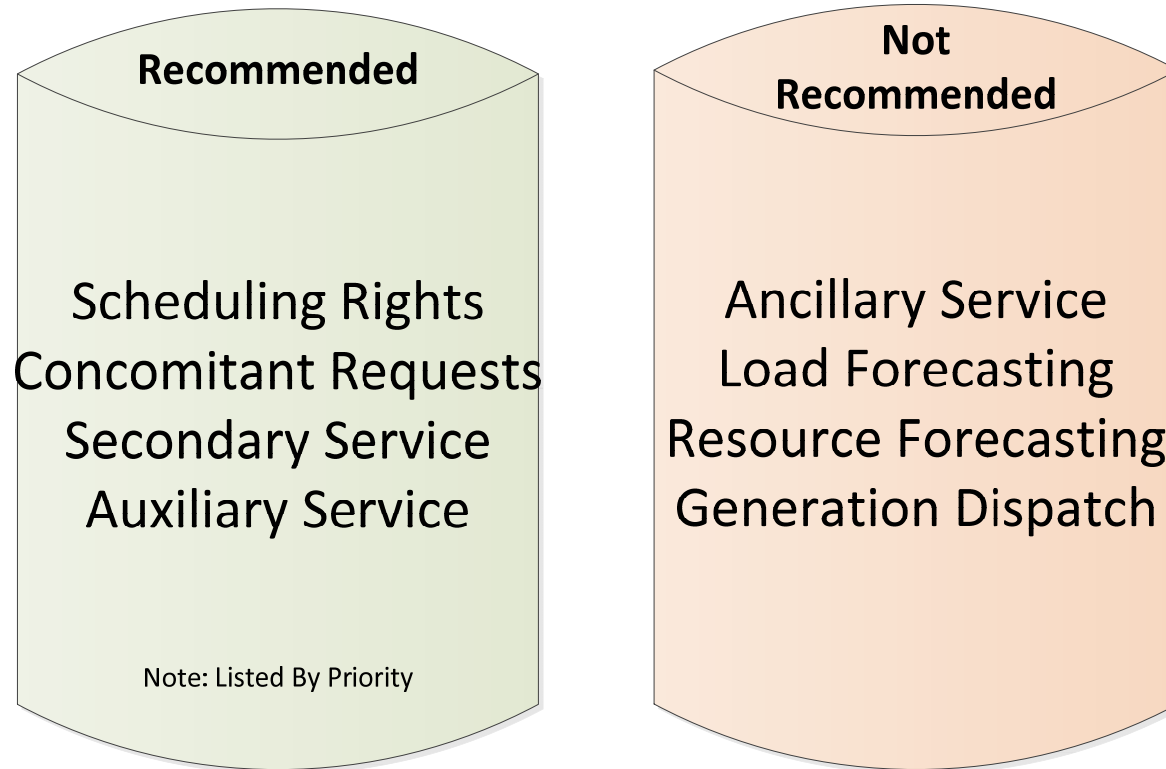
Recommendation - Load/Resource Forecasting

- The Team **does not** recommend implementation of the Load/Resource Forecasting Modules during Phase 2. BPA currently maintains its own systems and processes to capture and store this information.
 - Duplication of standing processes and tools
 - Implementation would require new software and/or customization of existing software to integrate with standing processes and procedures
 - Limited benefit beyond current BPA systems to BPA or Customers

Recommendation - Generation Dispatch

- The Team **does not** recommend implementation of the Generation Dispatch Module during Phase 2. This decision does align with previous decisions to not support non-federal NT redispatch.
 - Implementation would require reversal of standing policy for non-federal NT redispatch limiting current benefit
 - New systems and processes would be required to benefit from the new customer uploaded information

NITS on OASIS Module Implementation



Questions and Comments?

1. Please submit comments, and feedback to techforum@bpa.gov (with copy to your Account Executive) – please note “NITS on OASIS Phase 2” in the subject line
2. Comments are due by August 16, 2022