



## ADI Group Phase 2 Scoping PLAN

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### **1 Project Proposal**

The ADI Group proposes to consider and develop in a second phase of ADI new products or services which further the development of ancillary service markets.

#### **1.1 Background**

PacifiCorp, Northwestern, Idaho Power and British Columbia Transmission (“ADI sponsors”) have developed communication and software so that the participants of the system can share the diversity of the Area Control Errors thereby reducing the participants regulating requirements and more easily meet CPS requirements.

While ADI sponsors have developed the initial ADI system, the ADI sponsors envisioned that ADI could be the beginning of the development of other products or services leading to more robust power markets in the Western Interconnection.

ADI was developed using a freestanding open agreement between the initial parties. This agreement permits additional party’s to join the ADI control program at each additional party’s incremental cost for development and integration. Each party is responsible for their pro-rata share of the on-going operational costs.

#### **1.2 Business Goals**

Identify opportunities to develop products or services similar to the ADI Phase 1 initiative that bring high value to the NTTG Footprint and/or the Western Interconnection. Develop an implementation plan including timelines and funding for selected products.

#### **1.3 Project Scope**

Identification of energy, capacity, information, or other efficiency products that bring benefits to transmission providers and customers operating in the Northern Tier Transmission Group footprint and the Western Interconnection.

##### ***1.3.1 Scope Includes***

The project involves the scoping of future ADI products or service. Identify energy, capacity, information or other efficiency products that can bring benefits to transmission providers and customers. Determine implementation requirements for these various features. Prioritize and select a set that bring high value and can be achieved at low cost. Prepare work plan and submit plan for approval by the NTTG Steering Committee.



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### 1.3.2 *Scope Does Not Include*

The scope does not include the actual development of new products or features.

## 1.4 Approach

Meet with interested stakeholders and discuss customer and market enhancements, consider implementation requirements.

- Hold three public meetings to: seek input on enhancements, review potential sequencing of features, and review proposed ADI Phase 2 development Plan
- Various work group meetings to outline implementation challenges for the identified features, including systems, market and regulatory.
- Establish cost estimates, timelines, and strategies to implement identified features.
- Rank features into an executable plan supported by a large segment of the stakeholders.
- Develop timelines and plan including funding proposal.
- Prepare report for presentation to ADI participants and NTTG Steering Committee.

## 1.5 Resource Requirements

This work effort will primarily be supported by the Transmission Provider (TP) and Stakeholder resources with some external facilitation/administrative support. This effort to develop a plan is expected to take approximately 6 months to complete. This work plan proposes to fund the External resources via the NTTG Funding Agreement.

	Location	TP/Stakeholder (total hours)	External
• 3 Public Meetings	Boise Portland Salt Lake		50 Hours
• 3 Work Group Meetings	To be determined		
• 6 Work Group Conference Calls			
• Work plan Coordinator			50 Hours
• Feature Development		200 Hours <sup>1</sup>	20 Hours
• Ranking of options		80 Hours <sup>2</sup>	
• Plan Preparation		40 Hours <sup>3</sup>	
• Report Preparation		20 Hours <sup>4</sup>	

<sup>1</sup> 5 potential features \* 5 Stakeholders \* 8 hours/each

<sup>2</sup> 20 stakeholders \* 4 hours/each

<sup>3</sup> 4 Stakeholders \* 10 Hours/each

<sup>4</sup> 2 Stakeholders \* 10 hours/each



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## **2 Assumptions, Issues and Risks**

### **2.1 Assumptions**

A major assumption in this endeavor is that there are high value, low cost services or features similar to the ADI Phase 1 initiative that can be developed.

### **2.2 Issues**

Features that involve the sale of services may be FERC jurisdictional and require FERC filings and approval. While the ADI Group will not limit its development to non-FERC jurisdictional features, filing requirements will be addressed in the work plan.

### **2.3 Risks**

Lack of stakeholder participation could result in initiatives that fail to provide value to the region.