Oregon Geographic Information Council

Framework Implementation Team

Utilities Theme

Power Line Work Group

**CHARTER**

Draft in preparation for the Oregon Framework Implementation Team

December 13, 2016

Revisions

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| --- | --- | --- | --- |
| Version | Date | Who | Comments |
| 0.1 | 11/2/2016 | TBurcsu | New document based on Oregon FIT Charter. Distributed to Micah Babinski. |
| 0.2 | 11/14/2016 | M. Babinski | Revised and returned to Theresa |
| 0.3 | 11/16/2016 | TBurcsu | Reviewed by Cy Smith and Theresa. Minor edits including: changed Oregon FIT chair to Oregon Framework Coordinator, separated SOW from milestones, moved geographic focus (central and eastern OR) from Objectives to SOW section. |
| 0.4 | 12/13/2016 | M. Babinski | Corrected Duration to show a six month period from January to July 2017 |

1. **Purpose**

This charter defines the mission, functions, and procedures of the Utilities Theme Power Line Work Group to the full Framework Implementation Team (FIT) and broader Oregon GIS community.

1. **Mission**

The mission of the Utilities Power Line Work Group (work group) is to develop geospatial data for electric power lines and enhance the stewardship of that data in Oregon.

1. **Duration**

This work group is intended to meet over a six month period between January 5, 2016 and July 5, 2017.

1. **Objectives**
2. Update and develop power line data, a subset of features in the Oregon GIS framework Utilities theme
3. Develop power line data that are shareable with the public Develop or recommend a standard for power line data elements for the Oregon FIT and GIS community
4. Develop a stewardship plan for transmission line data elements
5. **Organization**
6. Membership

Membership in this FIT work group is voluntary and open to all levels of government, utilities, academia, and the private sector. Member responsibilities shall include:

* providing input to work group
* reviewing meeting minutes for accuracy
* contributing to the work plan

1. Leadership

A member of the Oregon GIS community shall chair the work group. The responsibilities of the Chair shall include:

* preparation and distribution of an agenda, including location and time for meetings
* inform Utilities FIT Lead and Oregon Framework Coordinator of work group activities, outcomes (e.g., recommendations and decisions), and products
* ensure that meeting minutes are documented and accurate
* coordinate work actions among work group members related to the work group’s work plan

1. Other stakeholders

Individuals and organizations with an interest in the work outcomes of this work group are considered to be other stakeholders. These stakeholders are identified by work group members and the chair, or may self-identify. Other stakeholders will be informed of the group activities using the posted meeting minutes and other means to be determined on a case-by-case basis. To the extent possible, other stakeholders should be identified in meeting minutes or in this charter.

1. **Charter revisions**

Charter revisions must be approved by the Oregon Framework Coordinator and majority of the work group members. A minimum of five business days’ notice is required for any revisions to the charter.

1. **Meetings**

Meetings will be held approximately biweekly, or as determined appropriate by the work group membership. Meeting minutes shall be recorded by a volunteer selected prior to or at the beginning of each meeting. These minutes and all other documents related to the work group shall be delivered to the Oregon Framework Coordinator, archived, and made available at the GEO web page ([http://gis.oregon.gov](http://gis.oregon.gov/)).

1. **Scope of Work**

The work group will convene to collaboratively develop a power line database from existing authoritative sources and digitized data. The power line features will be integrated into the Oregon GIS Framework under the appropriate data elements (i.e., electric distribution facilities[[1]](#footnote-1) and electric transmission facilities[[2]](#footnote-2)). The geographic extent for the data to be developed will be statewide with an initial focus on completing features in central and eastern Oregon.

1. **Milestones**
2. Identify members for a working group
3. Set up initial meeting to discuss scope, needs, and plan for moving forward
4. Identify and describe use cases for power line data
5. Assign tasks of investigating possible existing datasets, contacting data owners
6. Determine data development methodology (editing environment, topology rules, accuracy requirements, editing workflow, QA/QC procedure)
7. Document use cases, data sources, editing procedure, and schema (adding to metadata where appropriate)
8. Build power line layer from existing authoritative sources and digitized data to the specification designed by the work group
9. Perform ongoing quality control of the data, to possibly include vetting transmission line layer with County Planning Departments, BLM districts, and existing sources of information
10. Make ongoing updates to Utilities Framework data
11. Identify resources to encourage long-term care of the dataset
12. **Nature of the products and outcomes**

* Meeting minutes for tracking the work group’s progress
* Description of the use cases for the enhanced power line data
* Documents recommending data standards and schema
* Geospatial data that satisfies the use cases outlined by the work group
* Geospatial metadata that meets the minimum metadata standards for the State of Oregon

1. Possible Schema (Attribute Aliases)

* Feature Name
* Length\*
* Estimated Feature Height
* Number of Lines
* Cross Arm Side
* Charged Unit Width
* Voltage
* Tower Design
* Guy Wire
* Guy Wire Footprint
* Guy Wire Deterrent
* Feature Owner
* Public Land Owner
* Constructed Date
* Status
* Created By\*
* Created Date\*
* Edited By\*
* Edited Date\*
* Framework Data Element Name

\*Denotes a field that will be auto-populated

1. The facilities that form the infrastructure supporting the distribution of electrical power to individual buildings and sites. These features include poles, distribution lines, service lines, transformers, and other electric control facilities [↑](#footnote-ref-1)
2. The facilities that form the infrastructure supporting the transmission of electrical power. Features may include power generation plants, transmission towers, substations, and transmission lines. [↑](#footnote-ref-2)