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Detailed Design

Pacific Gas and Electric Company

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| Eder & Weber Release Document | |
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| Project | *Managed Service* |
| Line of Business or Department | *Electric Distribution* |
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|  |  |
| Date | 27/10/2016 |
| Version | *1.0* |
| Version Type | *Draft* |
| *.* |  |

Document Control

**Change History**

| **Author/Contributor** | **Version** | **Date** | **Description of Changes** |
| --- | --- | --- | --- |
| Tripti Gupta | 1.0 | 27/10/2016 | Initial version |
|  |  |  |  |
|  |  |  |  |
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# Release Details

**Existing Release No:**

**Application :**

**Release No :**

**Release Type :** Enhancement & Defect Fixes

# Released Items

|  |  |  |
| --- | --- | --- |
| **S. No** | **Item Category** | **Item Description** |
| 1 | Enhancement | ME Request #: 13317 Remedy WO: WO0000002221708  4-Way Junction |

# Deliverables

## The following items will be delivered

1. EDGIS\_4\_Way\_Junction.exe
2. EDGIS\_4\_Way\_Junction.exe.config
3. Tie\_Attributes\_Configuration.csv

Note: EDGIS\_4\_Way\_Junction.exe is a one time executable application which will replace the Junction Features with Tie features in a particular ArcFM session. A session must be created (with edit session enabled) and its name should be mentioned in the configuration (EDGIS\_4\_Way\_Junction.exe.config). This application would get Junction list from an input .csv file whose path should be mentioned in the configuration file(EDGIS\_4\_Way\_Junction.exe.config). Some default values can be populated in the Tie feature whose information can be mentioned in the Tie\_Attributes\_Configuration.csv file. List of other configurable values is listed under Section 4 – Configuration changes. Kindly refer ED\_TestCaseDocument V1.0.docx for detailed steps to execute this tool.

# Configuration Changes

|  |  |  |
| --- | --- | --- |
| **Change** | **Key Name** | **Description** |
| SDE connection file path | CONN\_SDE\_FILE | Path of the sde connection file on the machine the tool is run. |
| Session name | SESSION\_NAME | Session name. The session must be already created in ArcFM and the edit session must be started before execution of the tool. |
| Log file path | LOGPATH | Log File path. If log file path is not mentioned then the logs will be created at the executing assembly path |
| Feature class name for Electric Network Junction | ELECTRICDISTNETWORK\_JUNCTIONS\_FC\_NAME | Value: EDGIS.ELECTRICDISTNETWORK\_JUNCTIONS |
| Feature class name for Primary OH Conductor | PRI\_OH\_COND\_FC\_NAME | Value: EDGIS.PriOHConductor |
| Feature Class name for Primary UG conductor | PRI\_UG\_COND\_FC\_NAME | Value: EDGIS.PriUGConductor |
| Path of csv containing list of junctions to be deleted | JUNCTION\_LIST\_CSV\_PATH | Path of the csv file containing the list of junctions to be deleted |
| Path of csv to populate default values in Conductor Tie Feature | TIE\_FIELDS\_LIST\_CSV\_PATH | Path of csv file containing default values to be populated in newly Tie feature. |
| Electric Dataset | ELECTRIC\_DATASET | Value: EDGIS.ElectricDataset |
| Geometric network | ELECTRIC\_DIST\_NETWORK | Value: EDGIS.ElectricDistNetwork |