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| *Pacific Gas and Electric Company* | |
| Release 8 Installation Guide | |
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|  |  |
| Project | ED AM/GIS |
|  |  |
| Prepared by | Bhaskar Singh, Ashish Narasimham |
| Date | 5/2/2014 |
| Version | 1.0 |
| Version Type | Final |

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| --- | --- | --- | --- |
| Revision History | | | |
| Document # | Date | Author | Summary of Changes |
| 1.0 | 4/01/14 | Bhaskar Singh, Ashish Narasimham | Initial Document Creation |
| 1.1 | 5/2/14 | Ashish Narasimham | Updated document based on 5 CRs added. Steps 45-49 |
|  |  |  |  |
|  |  |  |  |

# Introduction

## Purpose

This document is intended to detail the implementation and configuration steps required to implement EDER2.0 Release Installation Guide. This document describes the various configuration aspects required to complete any manual or automatic patch associated with this release. Each section in this document contains the steps required to patch the system in production.

## Terms Used

|  |  |
| --- | --- |
| OOTB | Out of the box. Unmodified from the commercial version. |
| TFS | Team Foundation Server |

## External Documents

Referenced are any external configuration documents or exports. These are documents that contain more detailed information about configuring a system or documents that can be loaded into an application to perform the configuration detailed in this document.

1. Link for support documents: [\\sfetgis-nas01\sfgispoc\_data\ApplicationDevelopment\IBM\_Delivery\EDER 2.0\Release Documents](file:///\\sfetgis-nas01\sfgispoc_data\ApplicationDevelopment\IBM_Delivery\EDER%202.0\Release%20Documents)
2. Link for stored displays: [\\sfetgis-nas01\sfgispoc\_data\ApplicationDevelopment\IBM\_Delivery\EDER 2.0\EDER\_StoredDisplays\](file:///\\sfetgis-nas01\sfgispoc_data\ApplicationDevelopment\IBM_Delivery\EDER%202.0\EDER_StoredDisplays\)
   1. ED Mapping: [\\sfetgis-nas01\sfgispoc\_data\ApplicationDevelopment\IBM\_Delivery\EDER 2.0\EDER\_StoredDisplays\fixed\_4](file:///\\sfetgis-nas01\sfgispoc_data\ApplicationDevelopment\IBM_Delivery\EDER%202.0\EDER_StoredDisplays\fixed_4)
   2. ED Master: \\sfetgis-nas01\sfgispoc\_data\ApplicationDevelopment\IBM\_Delivery\EDER 2.0\EDER\_StoredDisplays\Fixed
3. Map Production 1.0 mxds: [\\sfetgis-nas01\sfgispoc\_data\ApplicationDevelopment\IBM\_Delivery\EDER 2.0\MapProdMXDs\1.0](file:///\\sfetgis-nas01\sfgispoc_data\ApplicationDevelopment\IBM_Delivery\EDER%202.0\MapProdMXDs\1.0)
4. New snapping XML: [\\sfetgis-nas01\sfgispoc\_data\ApplicationDevelopment\IBM\_Delivery\EDER 2.0\Release Documents\XML Exports\Fixed snapping](file:///\\sfetgis-nas01\sfgispoc_data\ApplicationDevelopment\IBM_Delivery\EDER%202.0\Release%20Documents\XML%20Exports\Fixed%20snapping)

## List Of Fixes

Below is the list of change requests detailing all fixes for the data model for this release:

|  |  |  |  |
| --- | --- | --- | --- |
| **Item Number** | | **Title** | **Work Item Type** |
| [13558](http://edappgistfsprd1:8080/tfs/ElectricDistCollection/EDAMGIS/_workitems#_a=edit&id=10828) | | Master TFS Data Model 7.7 (EDER 2.0) | Change Request |
| 8783 | PAR 21057: Add Values to Street Light Operating Schedule Domain V8 (7.X) | Change Request |
| 10590 | PAR 34139 - Overhead Streamline construction with underground neutral (7.X) | Change Request |
| 10713 | PAR 34032 Mission WP14: Add new code/desc to “JobPrefixCode” domain (7.X) | Change Request |
| 10779 | PAR 33970: Add new Code/Value to Customer Agreement Type domain (7.X) | Change Request |
| 10953 | PAR 36882: New code/value to Joint Pole Member domain (7.X) | Change Request |
| 11377 | ConductorRating Domain Modifications | Change Request |
| 11462 | Domain "Street Light Lumens" Add New Values | Change Request |
| 11523 | PAR 40584 Add new Code / Value to Conductor Code - OH Domain (7.X) | Change Request |
| 11665 | Add values to Conductor Insulation - UG Domain | Change Request |
| 11784 | FaultIndicator AU Cleanup | Change Request |
| 13257 | Remove WAC from Conductor Insulation - OH domain | Change Request |
| 13491 | ArcFM properties to avoid loosing cross section annotation upon spliting conduit | Change Request |
| 12544 | EDER2029 - Apply ArcFM configuration changes for Display Name Objects | Change Request |
| 12545 | EDER2021/2022 - Apply new PGE Preserve Anno Angle AU | Change Request |
| 12661 | EDER2003 - Number Of Phases ArcFM Properties Change | Change Request |
| 12663 | EDER2002 - SAP REPLACEGUID Config Changes | Change Request |
| 12711 | EDER2028/2048 - Automatic update of Local Office on new features -- Config changes | Change Request |
| 12715 | EDER2036 -- Plotting by Circuit -- Config changes | Change Request |
| 12759 | EDER2033 -- Searching for the individual features installed under a PM Order Number -- Configuration changes | Change Request |
| 12762 | EDER2034 - The solution shall provide a tool that locates Customer Agreements by MLX Number. | Change Request |
| 12764 | EDER2035 - The solution will provide a tool to relate the results of a PM Order Number Search with the results of a Customer Agreement table by MLX number for the following features: Delivery Point, Customer Agreement... | Change Request |
| 12765 | EDER2004 - The solution shall ensure the default sub-type for Pad Mounted Transformer is Surface Unit. | Change Request |
| 12767 | EDER2003 - The solution shall automatically update the number of phases based on the phase designation. | Change Request |
| 13266 | Symbol Number Config for Support Structure - INC000003837725 | Change Request |
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## Summary of Steps to Complete Patch

These are the high-level steps to complete the installation and configuration of the data model patch. Use this table as a guide for completing the installation. Links are provided that can lead either within the document for detailed explanations or to external sites such as Sharepoint.

Table of Contents

[1 Introduction 3](#_Toc386807485)

[1.1 Purpose 3](#_Toc386807486)

[1.2 Terms Used 3](#_Toc386807487)

[1.3 External Documents 3](#_Toc386807488)

[1.4 Summary of Steps to Complete Patch 3](#_Toc386807489)

[2 Open a Database Connection in ArcCatalog 8](#_Toc386807490)

[3 CR13273: Photovoltaic Cell Display 9](#_Toc386807491)

[4 Import XMLs 23](#_Toc386807492)

[5 CR 12712:EDER2030-Prevent loops in the Primary Network from being posted – Config changes 24](#_Toc386807493)

[6 CR 12713:EDER2031-Prevent multi-fed features from being posted – Config changes 25](#_Toc386807494)

[7 CR 12714:EDER2032-Prevent feature island(s) from being posted – Config changes 26](#_Toc386807495)

[8 CR 12716:EDER2032-Prevent posting of features with null Circuit ID – Config changes 27](#_Toc386807496)

[9 CR 12717:EDER2038-Prevent posting of features with “Wrong LO” – Config changes 28](#_Toc386807497)

[10 CR 12719: EDER2039, EDER 2040, EDER 2041 -- Prevent posting features with"DUP MAP", "NO MAP" and null map value -- Config changes 29](#_Toc386807498)

[11 ~~CR12792:EDER2007/EDER2007A - ED0007 Instructions~~ 30](#_Toc386807499)

[12 CR12863: Provide a tool to Deactivate Conduit Systems, Sub-Surface Structures, Primary UG Conductor and Secondary UG Conductor 32](#_Toc386807500)

[13 CR12970: Configure GDBM to move SSD to the Posting Service 34](#_Toc386807501)

[14 CR13063: Merge Changes for QAQC Engine Updates 36](#_Toc386807502)

[14.1 Apply Changes for Max Delete Check Enhancements 36](#_Toc386807503)

[14.2 Add New Rules to Severity Configuration Table 38](#_Toc386807504)

[15 ~~CR13272: Default Trace Network configuration~~ 41](#_Toc386807505)

[16 CR13278: EDER 2043 \_EDER 2044 Conduit System config 42](#_Toc386807506)

[17 CR13266: Support Structure Sybmol Number Config (INC000003837725) 49](#_Toc386807507)

[18 CR 11970: Create "REPLACEGUID" field and assign model names to feature classess for EDER2002 50](#_Toc386807508)

[19 CR12508: EDER 2 Data Model for ED0007 Add SAPEQUIPID to Features 51](#_Toc386807509)

[20 Update Support Structure Annotation Expression 52](#_Toc386807510)

[21 11477 11478 Add new SAP Fields 55](#_Toc386807511)

[22 ~~CR13321 - Stored Display Changes~~ 58](#_Toc386807512)

[~~22.1~~ ~~Stored Display - "Device Group: Subsurface Duplex Transformer with Internal Switch" name change~~ 58](#_Toc386807513)

[~~22.2~~ ~~Stored Display - "Device Group: Subsurface Transformer with Two Internal Switches" size change~~ 59](#_Toc386807514)

[23 CR13326 - Composite Favorite Correction 61](#_Toc386807515)

[24 CR13701 - Increase PM Order Number Search Speed 76](#_Toc386807516)

[25 ~~CR13743- Configure UC4 to run change detection 2.0~~ 77](#_Toc386807517)

[26 12426 - Assign domain Not Applicable on ATTACHMENTTYPE field in Switch feature class with subtype SCADAMATESwitch 78](#_Toc386807518)

[27 11614 - Add EDGIS.SchemStreetAnno100 Anno class 79](#_Toc386807519)

[28 11615 – Add EDGIS.SchemStreetAnno500 Anno class 82](#_Toc386807520)

[29 12546 - Model Update for Schematics Annotation Feature Classes 85](#_Toc386807521)

[30 13243 - Delete PriUGConductorCirAnno and PriOHConductorCirAnno classes (and relationships to relevant Conductor FC) 87](#_Toc386807522)

[31 Telvent Validation Table Changes 89](#_Toc386807523)

[32 Change Alias of Photovoltaic Cell 90](#_Toc386807524)

[33 [AssetRepl2] - Additional Changes for Asset Replacement Wizard 91](#_Toc386807525)

[34 [MapProd1.0] Data Model Change for Map Production 92](#_Toc386807526)

[35 Import New Snapping XML 93](#_Toc386807527)

[36 ~~Stored Display Changes~~ 94](#_Toc386807528)

[37 ~~Map Production 1.0 MXDs~~ 95](#_Toc386807529)

[38 ~~Bus Bar Change In ED Mapping Stored Display~~ 96](#_Toc386807530)

[39 Apply Database Changes to Upgrade Datamodel 97](#_Toc386807531)

[40 Run SQL to update the PGE\_ReplaceAsset tool properties reported by UAT users: 98](#_Toc386807532)

[41 Apply Database Changes to Upgrade Datamodel 99](#_Toc386807533)

[42 Save ED Mapping Stored Display 100](#_Toc386807534)

[43 Null Phase Designation QA Rule To Error 101](#_Toc386807535)

[44 Save ED Master Stored Display 102](#_Toc386807536)

[45 14298 – Change the QA/QC rule of PGE Validate Local Office to a warning 103](#_Toc386807537)

[46 14281 - Change the QA/QC rule of PGE Validate Island Feature to a warning 104](#_Toc386807538)

[47 14262 - Remove default value from the pririser feature class field of InstallJobNumber 105](#_Toc386807539)

[48 14252 - Assign PGE Validate Null Phase Designation QA/QC rule to Switch, Fuse, Open Point and set it to Error for all assigned features. 106](#_Toc386807540)

[49 14318 - Disable PGE Validate Source Connectivity and PGE Validate Phase Designation on specific featureclasses and subtypes 108](#_Toc386807541)

[49.1 Remove All Validation for the following feature classes 108](#_Toc386807542)

[49.2 Remove Validation of some SubTypes Only 108](#_Toc386807543)

[50 Apply Database Changes to Upgrade Datamodel 109](#_Toc386807544)

# Open a Database Connection in ArcCatalog

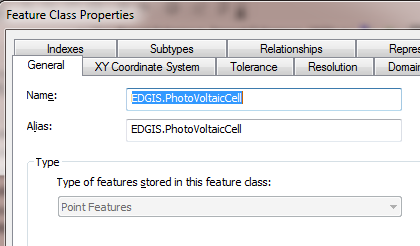
1. Open ArcCatalog.
2. Within the Catalog Tree, expand “Database Connections” and open the active connection for this process. This is the connection that is referenced in the change request associated with this document (EDGIS<DB name in the format X#Y> )

# [CR13273](http://edappgistfsprd1:8080/tfs/ElectricDistCollection/EDAMGIS/_workitems#_a=edit&id=13273): Photovoltaic Cell Display

**PHOTO VOLTAIC CELL**

a) Create PhotoVoltaicCell featureclass under EDGIS.ELECTRICDataset

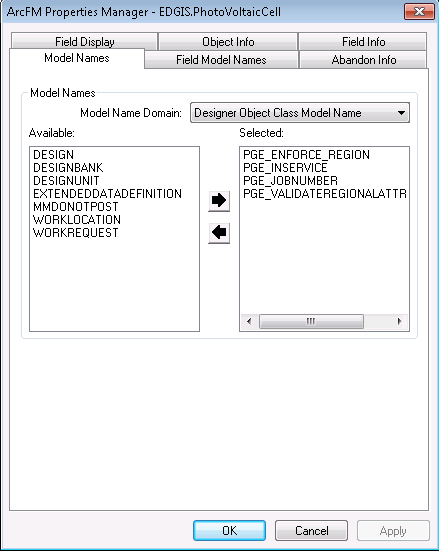
**FEATURE CLASS TYPE**  Point



**FEATURE CLASS FIELD PROPERTIES**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Name** | **Alias Name** | **Data Type** | **size** | **Domain** |
| OBJECTID | Object ID | Object ID |  |  |
| CREATIONUSER | Creation User | Text | Allow Null Values – yes  Length -15 |  |
| DATECREATED | Date Created | Date | Allow Null Values – yes |  |
| DATEMODIFIED | Date Modified | Date | Allow Null Values – yes |  |
| LASTUSER | Last User | Text | Allow Null Values – yes  Length -15 |  |
| CONVERSIONID | Conversion ID | Long Integer | Allow Null Values – yes  Length -10 |  |
| CONVERSIONWORKPACKAGE | Conversion Work Package | Text | Allow Null Values – yes  Length -6 | Conversion Work Package |
| STATUS | Status | Short Integer | Allow Null Values – yes  Precision -2 | Construction Status |
| INSTALLATIONDATE | Date Installed | Date | Allow Null Values – yes |  |
| LOCATIONID | Location ID | Text | Allow Null Values – yes  Length -20 |  |
| SYMBOLROTATION | Symbol Rotation | Double | Allow Null Values – yes  Precision -38  Scale-8 |  |
| INSTALLJOBPREFIX | Job Prefix | Text | Allow Null Values – yes  Length -3  Default - PM | JobPrefixCode |
| INSTALLJOBYEAR | Year Installed | Short Integer | Allow Null Values – yes  Length -4 |  |
| LOCATIONDESC | Location Description | Text | Allow Null Values – yes  Length -100 |  |
| COMMENTS | Comments | Text | Allow Null Values – yes  Length -255 |  |
| COUNTY | County | Short Integer | Allow Null Values – yes  Precision -5 | County Name |
| ZIP | ZIP Code | Text | Allow Null Values – yes  Length -10 |  |
| SUBTYPECD | Subtype | Long Integer | Allow Null Values – No  Precision -10  Default Value - 1 |  |
| LOCALOFFICEID | LOCALOFFICEID | Text | Allow Null Values – yes  Length -4 | Local Offices |
| DISTRICT | District | Long Integer | Allow Null Values – yes  Precision -10 | District Name |
| DIVISION | Division | Short Integer | Allow Null Values – yes  Precision -5 | Division Name |
| REGION | Region | Text | Allow Null Values – yes  Length -10 | Region |
| INSTALLJOBNUMBER | Job Number | Text | Allow Null Values – yes  Length -14 |  |
| CITY | City | Text | Allow Null Values – yes  Length -40 |  |
| SHAPE |  | Geometry |  |  |
| STRUCTUREGUID | STRUCTUREGUID | Guid | Allow Null Values – yes |  |
|  |  |  |  |  |

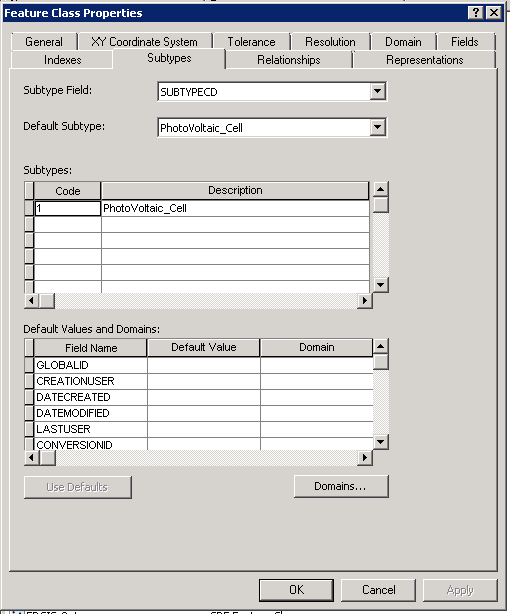
**MODEL NAMES**



**FIELD MODEL NAMES**

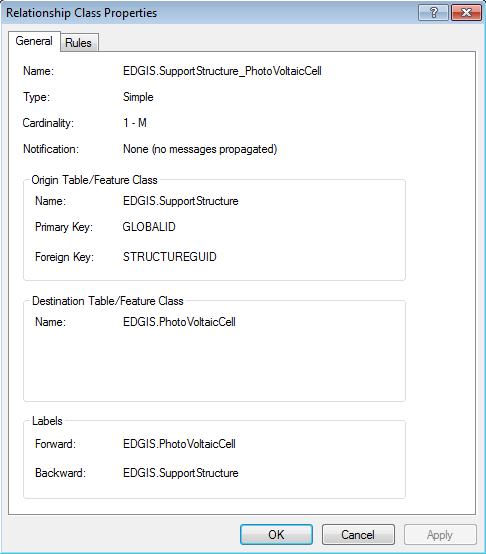
|  |  |
| --- | --- |
| **Field Name** | **Field Model Names** |
| STATUS | PGE\_STATUS,PGE\_TRIGGERMAPCHANGE |
| INSTALLATIONDATE | PGE\_INSTALLATIONDATE |
| SYMBOLROTATION | SYMBOLROTATION |
| INSTALLATIONJOBYEAR | PGE\_INSTALLJOBYEAR |
| COUNTY | PGE\_INHERITCOUNTY |
| ZIP | PGE\_INHERITZIP |
| SUBTYPECD | PGE\_TRIGGERMAPCHANGE |
| LOCALOFFICEID | PGE\_LOCALOFFICE |
| DISTRICT | PGE\_INHERITDISTRICT |
| DIVISION | PGE\_INHERITDIVISION |
| REGION | PGE\_INHERITREGION |
| INSTALLJOBNUMBER | PGE\_JOBNUMBER |
| CITY | PGE\_INHERITCITY |

**Add Subtype (**PhotoVoltaic\_Cell)

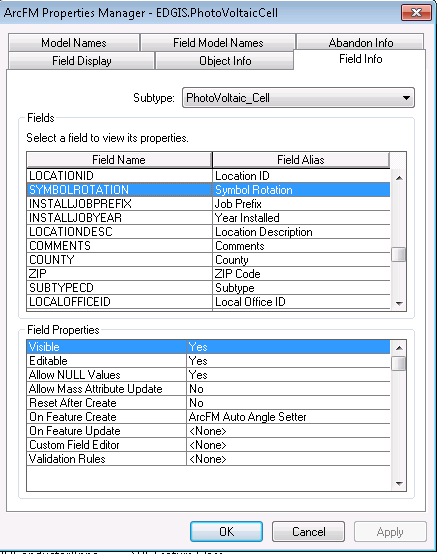


**RELATIONSHIP**

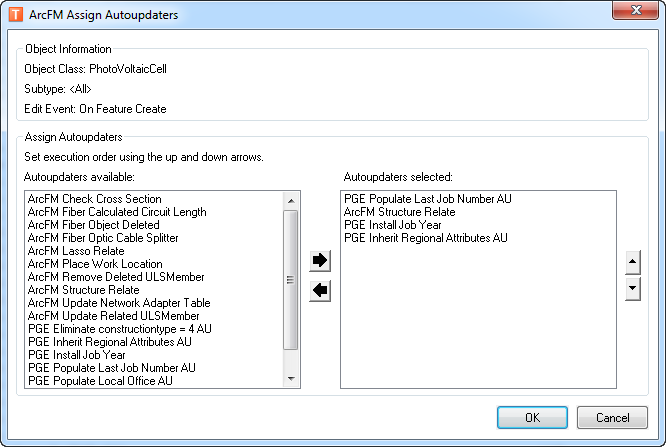
* Create relationship inside the **Electric Dataset**



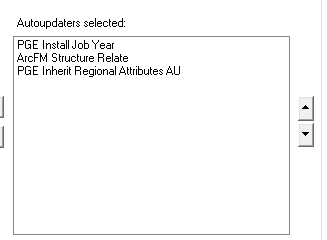
*Auto angle setter-*



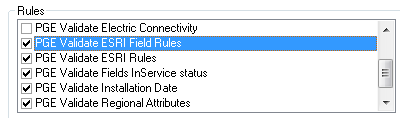
*On feature create –*



*On feature update –*

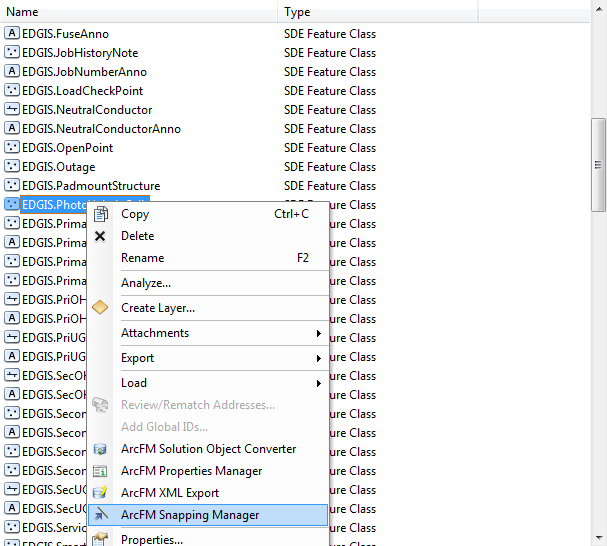


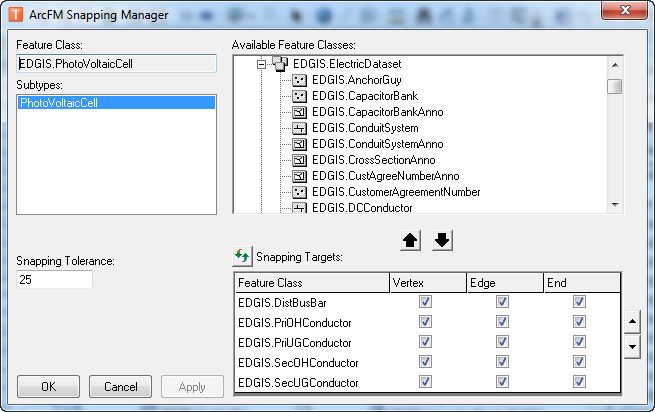
*Validation rules*

**

**SNAPPING RULES**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Feature Class | Sub Type | Snap to Feature Classes | Snapping Tolerance | Snapping Targets |
| PhotoVoltaicCell | PhotoVoltaicCell | DistBusBar,PriOHConductor,  PriUGConductor,SecOHConductor,  SecUGConductor | 25 | Vertex,Edge,End |



**Register as version:**  Register ElectricDataset as versioned. If PhotovoltaicCell is already registered as versioned in the Properties window, this step can be skipped.

**Add GLOBALID field:** Right click the electric dataset and select Add Global IDs.

**ArcFM the feature class:** Right click the electric dataset and choose to run the ArcFM Object converter. Convert all objects to ArcFM objects.

**Privileges**

Setup privileges on the feature dataset. It is easiest to do this through ArcCatalog – right click on the dataset and click “Privileges”. Provide with the following privileges

* SDE\_VIEWER – view privileges
* SDE\_EDITOR – full edit privileges

**~~Stored Display Changes~~**

~~1) Open Arcmap.~~

~~2) Open EDMASTER Stored Display.~~

~~3) Right Click EdMaster Data Frame and add the layer from the context menu.~~

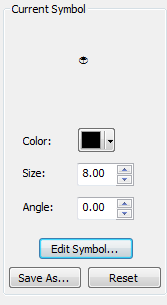
~~4) Drag the layer below the StreetLight layer.~~

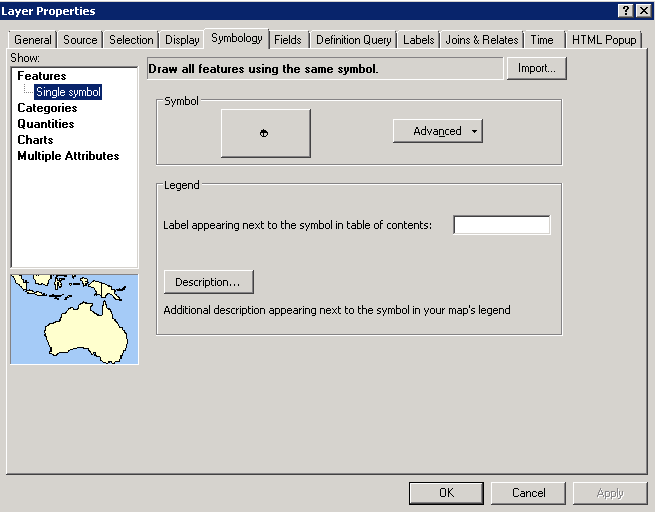
~~5) Save the ED Master Stored Display.~~

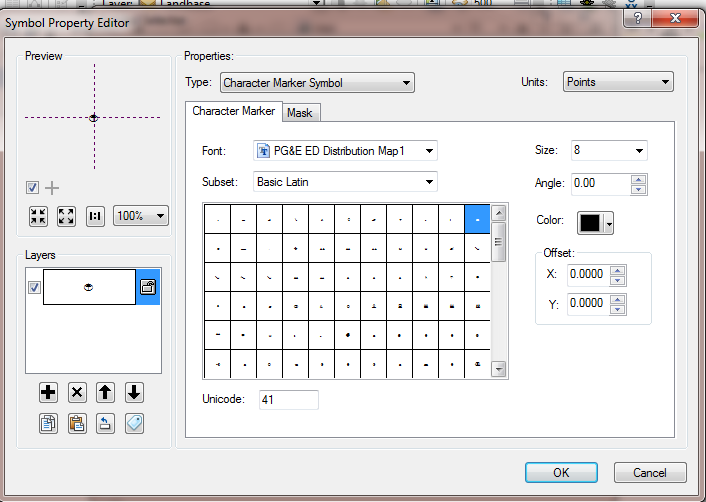
~~Repeat the steps 2 – 5 for the ED Mapping Stored Display.~~

**SYMBOLOGY (Simple Symbol)**

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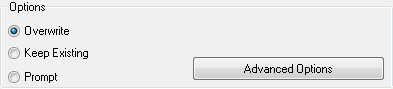
**~~Setting Up Feature Class as part of existing Stored Displays~~**

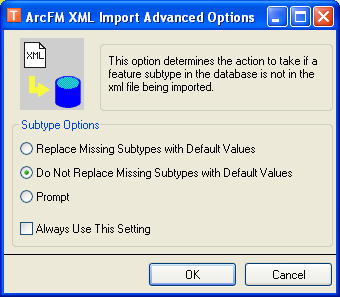
~~1) Add the created feature class to the existing stored displays (ED Master and ED Mapping) as a part of~~ **~~Devices~~** ~~Group Layer below Street Light Feature Class.~~

~~2) Go to Layer Properties by right clicking the Photo Voltaic Cell Feature class and set Don’t show layer when zoomed out beyond 1:6000 minimum scale.~~

~~3) Save the Stored Displays and verify if they are included as a part of the stored displays (ED Master and ED Mapping).~~

# Import XMLs

1. Copy the XML files locally. Refer to [Section 1.3](#_External_Documents) for files.
2. Select the geodatabase into which you want to import information.
3. Click the ArcFM XML import  http://resources.arcfmsolution.com/10.1/ArcCatalogTools/images/import_icon.png button on the ArcFM Solution toolbar or right-click the geodatabase and select ArcFM XML Import. This tool is enabled only at the geodatabase level. You may click the Esc key to dismiss the XML Import dialog.
4. Select ‘Overwrite’  
   
5. Click the Advanced Options button.



1. Click OK.
2. Browse for and open the XML file to be imported.
3. Click Import. A progress bar will be displayed to show the status of the import
4. Check the import log and verify all information is imported correctly.
5. Repeat the above steps for all xml files.

# [CR 12712](http://edappgistfsprd1:8080/tfs/ElectricDistCollection/EDAMGIS/_workitems#_a=edit&id=12712):EDER2030-Prevent loops in the Primary Network from being posted – Config changes

1. Run as SDE
2. Insert a record in TELVENT\_VALIDATION\_SEVERITYMAP table for this validation rule ("PGE Validate Loop Feature") to mention it as “Error” (Severity field value will be 0).  
   INSERT INTO SDE.TELVENT\_VALIDATION\_SEVERITYMAP(OBJECTID,NAME,SEVERITY) values(R657.NEXTVAL,'PGE Validate Loop Feature',0);
3. commit;

# [CR 12713](http://edappgistfsprd1:8080/tfs/ElectricDistCollection/EDAMGIS/_workitems#_a=edit&id=12713):EDER2031-Prevent multi-fed features from being posted – Config changes

1. Run as SDE
2. Insert a record in TELVENT\_VALIDATION\_SEVERITYMAP table for this validation rule ("PGE Validate Multi-feed Feature") to mention it as “Error” (Severity field value will be 0).INSERT INTO SDE.TELVENT\_VALIDATION\_SEVERITYMAP(OBJECTID,NAME,SEVERITY) values(R657.NEXTVAL,'PGE Validate Multi-feed Feature',0);
3. commit;

# [CR 12714](http://edappgistfsprd1:8080/tfs/ElectricDistCollection/EDAMGIS/_workitems#_a=edit&id=12714):EDER2032-Prevent feature island(s) from being posted – Config changes

1. Run as SDE
2. Insert a record in TELVENT\_VALIDATION\_SEVERITYMAP table for this validation rule ("PGE Validate Island Feature") to mention it as “Error” (Severity field value will be 0).

INSERT INTO SDE.TELVENT\_VALIDATION\_SEVERITYMAP(OBJECTID,NAME,SEVERITY) values(R657.NEXTVAL,'PGE Validate Island Feature',0);

1. commit;

# [CR 12716](http://edappgistfsprd1:8080/tfs/ElectricDistCollection/EDAMGIS/_workitems#_a=edit&id=12716):EDER2032-Prevent posting of features with null Circuit ID – Config changes

1. Run as SDE
2. If not present, insert a record in TELVENT\_VALIDATION\_SEVERITYMAP table for this validation rule ("PGE Validate Source Connectivity") to mention it as “Error” (Severity field value will be 0).
3. INSERT INTO SDE.TELVENT\_VALIDATION\_SEVERITYMAP(OBJECTID,NAME,SEVERITY) values(R657.NEXTVAL,'PGE Validate Source Connectivity',0);
4. Commit;
5. Perform the following steps:
6. Go to the ArcFM Properties for ElectricStitchPoint.
7. Go to the Field Model Names tab and scroll down to the Status field.
8. Ensure that the PGE\_STATUS field model name is assigned to the field.

# [CR 12717](http://edappgistfsprd1:8080/tfs/ElectricDistCollection/EDAMGIS/_workitems#_a=edit&id=12717):EDER2038-Prevent posting of features with “Wrong LO” – Config changes

1. Run as SDE
2. If not present, insert a record in TELVENT\_VALIDATION\_SEVERITYMAP table for this validation rule ("PGE Validate Local Office") to mention it as “Error” (Severity field value will be 0).
3. INSERT INTO SDE.TELVENT\_VALIDATION\_SEVERITYMAP(OBJECTID,NAME,SEVERITY) values(R657.NEXTVAL,'PGE Validate Local Office',0);
4. Commit;

# [CR 12719](http://edappgistfsprd1:8080/tfs/ElectricDistCollection/EDAMGIS/_workitems#_a=edit&id=12719): EDER2039, EDER 2040, EDER 2041 -- Prevent posting features with"DUP MAP", "NO MAP" and null map value -- Config changes

1. Run as SDE
2. Insert a record in TELVENT\_VALIDATION\_SEVERITYMAP table for this validation rule ("PGE Validate Map") to mention it as “Error” (Severity field value will be 0).
3. INSERT INTO SDE.TELVENT\_VALIDATION\_SEVERITYMAP(OBJECTID,NAME,SEVERITY) values(R657.NEXTVAL,'PGE Validate Map',0);
4. commit;

# [~~CR12792~~](http://edappgistfsprd1:8080/tfs/ElectricDistCollection/EDAMGIS/_workitems#_a=edit&id=12792)~~:EDER2007/EDER2007A - ED0007 Instructions~~

~~One Time steps:~~

1. ~~Run the “Create\_Table\_Scrit.sql” Script as EDGIS in SQLPLUS. Refer to~~ [~~Section 1.3~~](#_External_Documents) ~~file location.~~
2. ~~Log into ArcCatalog as EDGIS and right click ‘New Table’ at the root level.~~
3. ~~Enter the name as “sap\_to\_gis”.~~
4. ~~Enter the Alias as “sap\_to\_gis”.~~
5. ~~Click Next.~~
6. ~~Click Next again.~~
7. ~~Enter “SAP\_EQUIPMENT\_ID” in Field Name, Select Data Type as “Text”, Change Length as 18.~~
8. ~~Enter “EQUIPMENT\_NAME” in Field Name, Select Data Type as “Text”, Change Length as 255.~~
9. ~~Enter “SAP\_EQUIPMENT\_TYPE” in Field Name, Select Data Type as “Text”, Change Length as 255.~~
10. ~~Enter “GUID” in Field Name, Select Data Type as “Text”, Change Length as 100.~~
11. ~~Click Finish.~~
12. ~~Run the “stored\_procedures.sql” Script as EDGIS. Refer to~~ [~~Section 1.3~~](#_External_Documents) ~~for file location.~~
13. ~~Make sure all 3 stored procedures are compiled in the database.~~
14. ~~Grant permission to all the store procedure (~~**~~execute~~**~~) and table (~~**~~select, insert, update and delete~~**~~) to gis\_i user. Make sure table and store procedure are accesible for gis\_i user.~~
    1. ~~grant all on edgis.gis\_guid to gis\_i;~~
    2. ~~grant all on edgis.sap\_to\_gis to gis\_i;~~
    3. ~~grant all on edgis.sap\_integrated\_result to gis\_i;~~
    4. ~~grant all on edgis.truncate\_sap\_tables to gis\_i;~~
    5. ~~grant all on edgis.insert\_sap\_integrated\_result to gis\_i;~~
    6. ~~grant all on edgis.load\_gis\_guid to gis\_i;~~
15. ~~Execute setup.exe. Refer to~~ [~~Section 1.3~~](#_External_Documents) ~~for the location.~~
16. ~~Browse to the location of the installed files (C:\Program Files (x86)\Pacific Gas and Electric Co\IBM.PGE.ED007 on the computer used to test this guide) and open the file LoadingDataInOracle.exe.config in Notepad.~~
17. ~~Edit the sde file path to reference gis\_i on the target database. Change the ‘value’ tag to point to the location of the SDE file:~~
    1. ~~<add key="Sde\_File\_Path" value="C:\\Users\\~~**~~UserNameChangeMe~~** ~~\\AppData\\Roaming\\ESRI\\Desktop10.0\\ArcCatalog\\gis\_i@edgisa1d.sde"/>~~
18. ~~Change the Oracle Connection String’s Data Source, User ID, and Password to point to the correct database with the correct username and password.~~ 
    1. ~~<add key="OracleConnectionString" value="Data Source=~~**~~ChangeMe~~**~~; User Id=gis\_i; Password=gis\_i; Integrated Security=no;" />~~
19. ~~Set the maxAppRunningTime ‘value’ tag to the interval in which csv files are generated. This is to ensure that if there are no csv files to read, the application will wait for new files to be put into the target (INBOUND) location for the specified amount of time before terminating.~~
    1. ~~<add key="maxAppRunningTime" value="1"/> <!--Time is minute-->~~
20. ~~Set the TriggerFileCheckInterval variable to a value to specify the interval in which the application will check for new csv files. The default is 5 seconds, so the application will check for new files every 5 seconds.~~
    1. ~~<add key="TriggerFileCheckInterval" value="5000"/> <!-- Value in MilliSecond. Every 1000 equals to 1 second.-->~~
21. ~~Modify Archive\_File\_Location, TriggerFile\_Path, and Exception\_FileName if necessary to specify the following:~~
    1. ~~Archive\_File\_Location – The location in which files will be placed by the application after they are consumed~~
    2. ~~TriggerFile\_Path – Must be named exactly as specified in the config file. This specifies the location of the trigger file used.~~
    3. ~~Exception\_FileName – Specifies the location of the file into which exceptions will be written if encountered.~~
22. ~~If you would like to perform a one-time run of the application:~~
    1. ~~Open a command prompt and cd to the location of the LoadingDataInOracle.exe file (C:\Program Files (x86)\Pacific Gas and Electric Co\IBM.PGE.ED007 on the tested computer)~~
    2. ~~Run the executable from the command prompt~~
23. ~~If you would like to schedule this task to run periodically, open the Task Scheduler and schedule the executable.~~

# [CR12863](http://edappgistfsprd1:8080/tfs/ElectricDistCollection/EDAMGIS/_workitems#_a=edit&id=12863): Provide a tool to Deactivate Conduit Systems, Sub-Surface Structures, Primary UG Conductor and Secondary UG Conductor

 Steps:

1. Open ArcCatalog.
2. Create a field DEACTIVATEDINDICATOR in "ConduitSystem" and "SubsurfaceStructure" feature class. The details are as follows:  
    Field Name: DEACTIVATEDINDICATOR  
    Data Type: Text  
    Allow Null Values: Yes  
    Length: 5  
    Domain: Yes No Indicator

Default Value: N

Field Alias: DeActivated IDC

1. In database, run the below scripts:
2. Update edgis.conduitsystem set DEACTIVATEDINDICATOR = 'N' where DEACTIVATEDINDICATOR is null;  
    /  
    Update edgis.subsurfacestructure set DEACTIVATEDINDICATOR = 'N' where DEACTIVATEDINDICATOR is null;  
    /  
    Commit;
3. In ArcFM Properties Manager, Assign PGE\_DEACTIVATEINDICATOR Field model name to the DEACTIVATEDINDICATOR field of ConduitSystem and SubsurfaceStructure feature class.
4. For PriUGConductor and SecUGConductor, open ArcFM Properties Manager, go to "Abandon Info" tab, select "Deactivated Electric Line Segment" at the "Abandon To" dropdown. Select "ArcFM Abandon Unrelate and Relate" at "On Abandon" dropdown. Click Apply. Click OK.
5. ~~Get the "Deactivated Electric Line Segment.lyr" file from attachment.~~
6. ~~Open ArcMap~~
7. ~~Open EDMapping stored Display~~
8. ~~At the "Table Of Content", Select List By Source.~~
9. ~~Select "Deactivated Electric Line Segment". Right Click on it. Select "Properties...”~~
10. ~~Go to "Symbology" tab. Click on the "Import" button.~~
11. ~~Select "Import symbology definition from another layer in the map or from a layer file" radio.~~
12. ~~Click on the button beside the Layer dropdown and select the "Deactivated Electric Line Segment.lyr" file. Refer~~ [~~Section 1.3~~](#_External_Documents) ~~for location, download to your local hard drive.~~
13. ~~Click Add. Click OK. Click OK.~~
14. ~~Save the Stored Display.~~
15. ~~Perform the above steps, starting with opening the stored display, for the ED Master stored display also.~~

# [CR12970](http://edappgistfsprd1:8080/tfs/ElectricDistCollection/EDAMGIS/_workitems#_a=edit&id=12970): Configure GDBM to move SSD to the Posting Service

**Perform the following steps on the Batch server for the target environment:**

Open the file: GeodatabaseManagerAdmin.config  
Note: This is normally in the directory of <Miner and Miner install location>\ArcFM Solution\Bin  
Under the ActionHandlerAssembly area, add the below line:  
<ActionHandlerAssembly type="Telvent.PGE.ED.Desktop, Version=10.0.3.0, Culture=neutral, PublicKeyToken=d01347ab6ada58e7"/>

example of what the completed file might look like:  
<ActionHandlerAssemblies>  
    <ActionHandlerAssembly type="Miner.Geodatabase, Version=10.0.0.0, Culture=neutral, PublicKeyToken=196beceb052ed5dc"/>  
    <ActionHandlerAssembly type="Miner.Process, Version=10.0.0.0, Culture=neutral, PublicKeyToken=196beceb052ed5dc"/>  
    <ActionHandlerAssembly type="Telvent.PGE.SAP.GDBM, Version=10.0.3.0, Culture=neutral, PublicKeyToken=d01347ab6ada58e7"/>  
 <ActionHandlerAssembly type="Telvent.PGE.ED.Desktop, Version=10.0.3.0, Culture=neutral, PublicKeyToken=d01347ab6ada58e7"/>  
 </ActionHandlerAssemblies>

To configure this in GDBM, do the following:  
A) Open the Geodatabase Manager configuration  
B) Select the posting service that is to be updated  
C) Select the "Version Processing" Tab  
D) Expand the Post Process  
E) Expand Session  
F) Expand the "Electric Distribution Post" object  
G) Right click on before reconcile and choose "Add Action Handler"  
F) Use the following settings for the Action Handler:  
- Action Handler = PGE AU PROCESSOR  
- Action Name: SSDPreProcessor  
Under Parameters, there will be two lines:  
1) Name:  Telvent.PGE.ED.SourceSideDevice   
Value: 1008,1007,998,1004,1003,1010,1009,1002,1005,1006,1001,1000   
Type:  Create

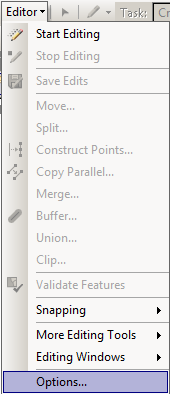
2)  
Name:  Telvent.PGE.ED.SourceSideDevice   
Value: 1008,1007,998,1004,1003,1010,1009,1002,1005,1006,1001,1000   
Type:  Update

-----------------------------------------------------------

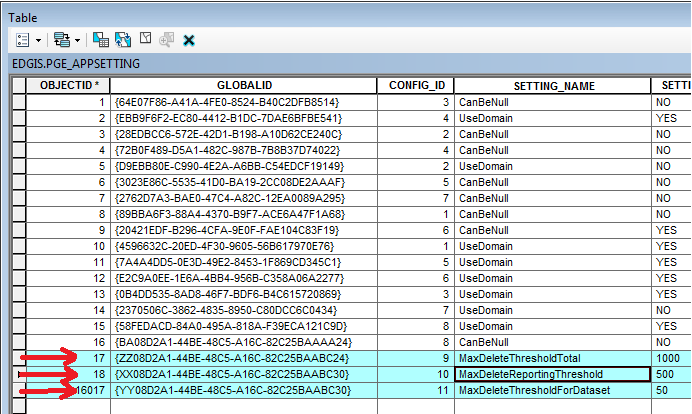
# [CR13063](http://edappgistfsprd1:8080/tfs/ElectricDistCollection/EDAMGIS/_workitems#_a=edit&id=13063): Merge Changes for QAQC Engine Updates

## Apply Changes for Max Delete Check Enhancements

1. Create settings records in the PGE\_APP\_SETTINGS table to set the maximum delete thresholds.
   1. Open up an ArcMap Session
   2. Cancel out of the ArcFM login
   3. Drag the PGE\_APP\_SETTINGS table from ArcCatalog into your ArcMap table of contents
   4. Ensure that the table is connected as EDGIS
   5. In the Editing Toolbar in ArcMap select the Editor Combo



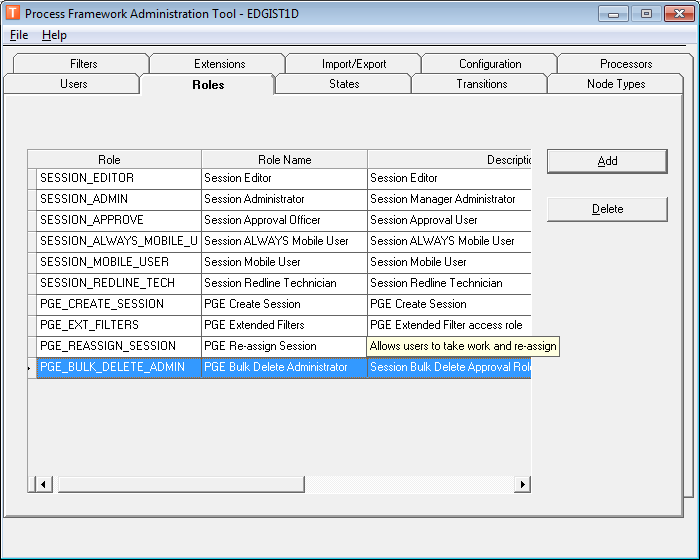
* 1. Click Options…
  2. Click on the Versioning tab
  3. Uncheck the checkbox that says “**Edit a version of the database with the ability to undo and redo”**
  4. Click OK
  5. Start editing
  6. Open the attribute table and scroll to the bottom
  7. Make sure the three Max Delete Threshold settings are as follows. Note carefully the names of these three settings as they have changed. The GlobalId field value is not required. The number of the ObjectId is not important, but **the setting values and their names MUST be per the screenshot below**.



* 1. Save edits and stop editing
  2. Close arcmap
  3. Click on the table again in ArcCatalog to verify that the edits have indeed been added in the PGE\_APPSETTING table

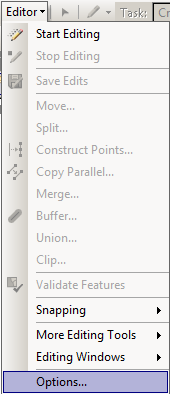
2. Add Role in the process framework, which will be allowed to Post versions which have exceeded the MaxDeleteThresholdTotal or the MaxDeleteThresholdForDataset thresholds.

1. Open up the ArcFM Process Framework Adminstration Tool
2. Login as user PROCESS
3. Select the Roles tab
4. Click Add – to add the new role
5. Enter the PGE\_BULK\_DELETE\_ADMIN for the ‘Role’ column value
6. Enter PGE Bulk Delete Administrator for the ‘Role Name’ column value
7. Enter ‘Session Bulk Delete Approval Role’ for the ‘Description’ column value
8. Select MMSessionManager for the ‘Extensions’ column value
9. Close the ArcFM Process Framework Adminstration Tool
10. At the prompt which says ‘Do you want to save your changes?’ select the ‘Yes’ button.

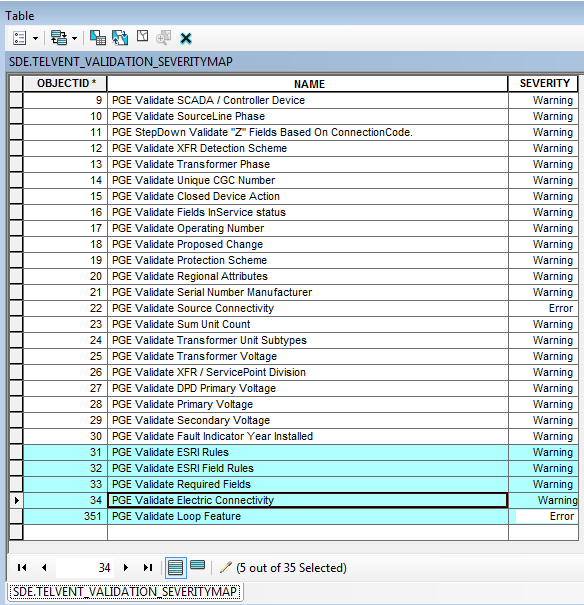


## Add New Rules to Severity Configuration Table

1. Create settings records in the PGE\_APP\_SETTINGS table to set the maximum delete thresholds.
   1. Open up an ArcMap Session
   2. Cancel out of the ArcFM login
   3. Drag the SDE.TELVENT\_VALIDATION\_SEVERITYMAP table from ArcCatalog into your ArcMap table of contents
   4. Ensure that the table is connected as SDE
   5. In the Editing Toolbar in ArcMap select the Editor Combo

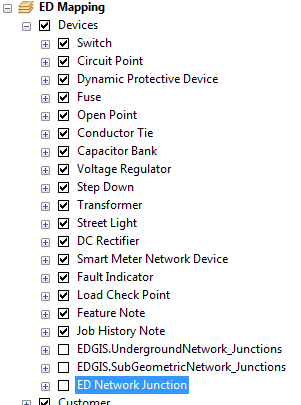


* 1. Click Options…
  2. Click on the Versioning tab
  3. Uncheck the checkbox that says “**Edit a version of the database with the ability to undo and redo”**
  4. Click OK
  5. Start editing
  6. Open the attribute table and scroll to the bottom
  7. Add the validation rules as follows, name and severity must be exactly as per the screen shot. In some cases, the rows for these rules may exist already. Please continue onto the next rule if this is the case.
  8. Stop Editing, saving your edits



# [~~CR13272~~](http://edappgistfsprd1:8080/tfs/ElectricDistCollection/EDAMGIS/_workitems#_a=edit&id=13272)~~: Default Trace Network configuration~~

~~Change the order of Geometric Network in ED Mapping and ED Master Stored display, so that the last three layers are like this below UndergroundNetwork\_Junctions, then SubGeometricNetwork\_Junctions and then ED Network Junction~~

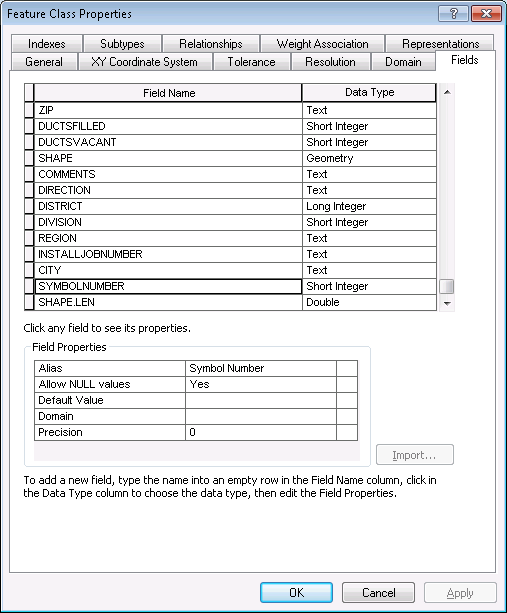


# [CR13278](http://edappgistfsprd1:8080/tfs/ElectricDistCollection/EDAMGIS/_workitems#_a=edit&id=13278): EDER 2043 \_EDER 2044 Conduit System config

Need exclusive access to the database.

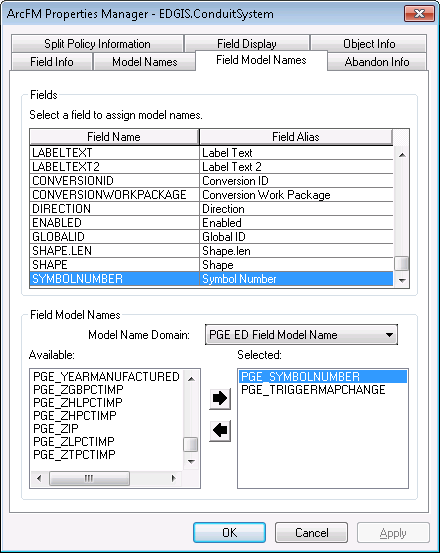
1. **Create New Field SYMBOLNUMBER**

* Create **SYMBOLNUMBER** field in Conduit System feature class and Data type to be **Short Integer**



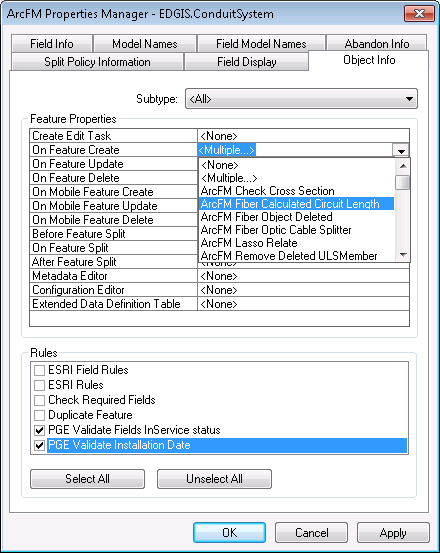
1. **Assign the ArcFM field Models to the SYMBOLNUMBER**

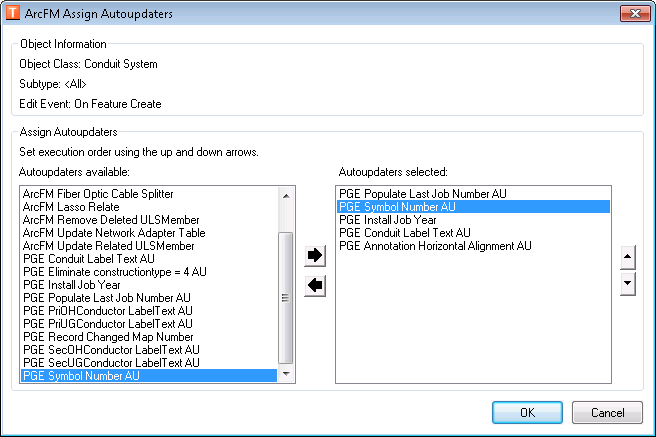
* Open ArcFM Field Properties Manager
* Go to the Field Model Names tab, select the SYMBOLNUMBER from fields
* Move PGE\_SYMBOLNUMBER & PGE\_TRIGGERMAPCHANGE to right as shown in below diagram
* Click Apply



1. **Assign AU PGE Symbol Number AU**

* Open ArcFM Field property Manager for Conduit System feature class
* Go to Object Info tab
* On Feature Create properties select Multiple as show below
* Select PGE Symbol Number AU from Auto Updaters Available: list and move to right list as show in below figure. Move the AU to top as shown below
* Click Ok & Apply

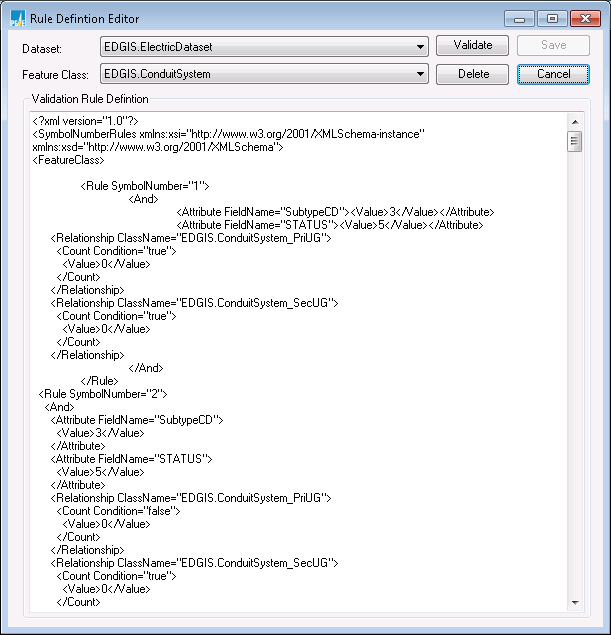




Repeat the same steps to **On Feature Update**

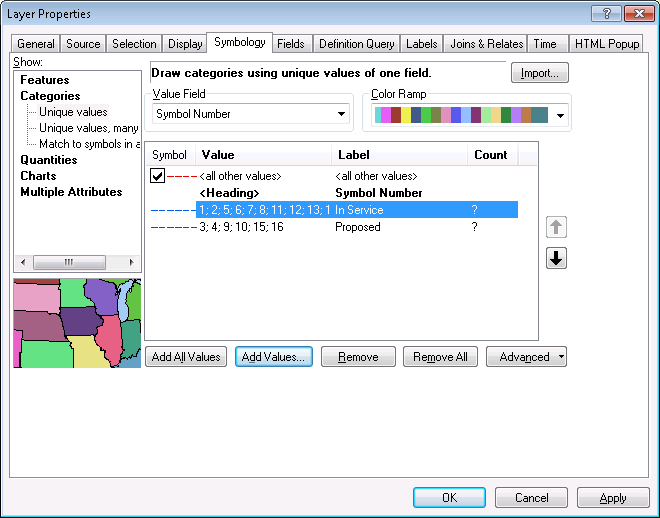
1. **Import Symbol number config to conduit system feature class**

* Open ArcMap
* Add PGE Symbol number config tool to arcMap
* Copy the symbol number config - Refer to [Section 1.3](file:///C:\Users\a1nc\EDAMGIS\Source_Development\Data%20Model\Release%20Documentation\EDER\EDER2043_implementations.docx#_External_Documents) for file location.
* Click on validate tool to check for error and save the xml config

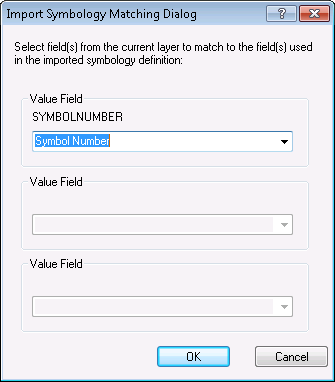


1. **~~Stored Display Changes~~**

* ~~Apply Symbology to ED Master and ED Mapping stored display~~
* ~~Open properties of Conduit System~~
* ~~Go to Symbology Tab and click Import~~



* ~~Browse the Layer file placed at below path and Click OK.~~
* ~~Refer to~~ [~~Section 1.3~~](file:///C:\Users\a1nc\EDAMGIS\Source_Development\Data%20Model\Release%20Documentation\EDER\EDER2043_implementations.docx#_External_Documents) ~~for file location.~~
* ~~Click the Symbol Number from dropdown and Click Ok~~



# CR13266: Support Structure Sybmol Number Config (INC000003837725)

**Steps:**

1. Open ArcMap, login to the target environment at the ArcFM Login Prompt

2. Open the ED Mapping Stored Display

3. Launch the *Rule Definition Editor* (a.k.a. - *Symbol Number Config*). If not present on one of the toolbars, open the *Customize* dialog, click on the *Commands* tab and click on *PGE Admin Tools*. The *Symbol Number Config* command can be found in the list. Drag the command to a location on one of the ArcMap toolbars.

4. Click on the Symbol Number Config button

5. Click the xml config file presented in the Rule Definition Editor.

6. Click Ctrl-A to select all of the xml file text

7. Open the file entitled 'SymbolNumbers\_GOLD.txt'. Refer to [Section 1.3](#_External_Documents) for location.

8. Open up the file and Click Ctrl-A to select all and Cltrl-C to copy all

9. Go back to the Rule Definition Editor where the entire xml file should be selected

10. Click Ctrl-V to paste the ENTIRE contents of 'SymbolNumbers\_GOLD.txt' replacing the original textual content of the Rule Definition Editor, with the new configuration from 'SymbolNumbers\_GOLD.txt'.

11. Click the *Validate* button to perform validation.

12. If successful, click the *Save* button.

13. Dismiss the *Rule Definition Editor* window.

# [CR 11970](http://edappgistfsprd1:8080/tfs/ElectricDistCollection/EDAMGIS/_workitems#_a=edit&id=11970): Create "REPLACEGUID" field and assign model names to feature classess for EDER2002

1. Download the files. Refer to [Section 1.3](#_External_Documents) for file location.
2. Change the SCRIPT\_GDB\_LOCATION to the correct location of the SDE file
3. Note: SDE files are usually located at C:\Users\[**username**]\AppData\Roaming\ESRI\Desktop10.0\ArcCatalog on desktop machines.
4. Run the batch script to execute the scripts required

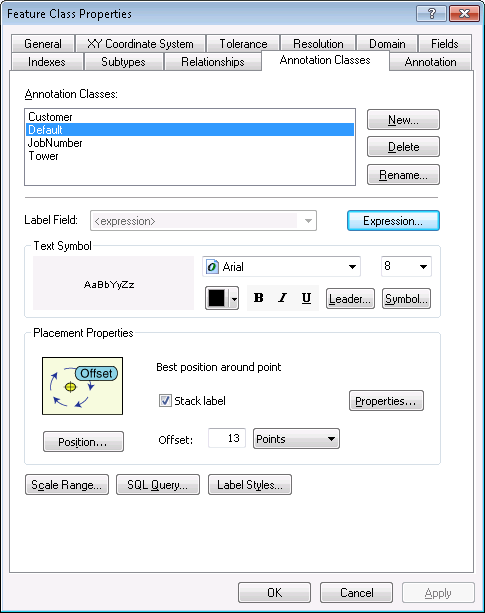
# [CR12508](http://edappgistfsprd1:8080/tfs/ElectricDistCollection/EDAMGIS/_workitems#_a=edit&id=12508): EDER 2 Data Model for ED0007 Add SAPEQUIPID to Features

1. Download the files. Refer to [Section 1.3](#_External_Documents) for file location.
2. Change the SCRIPT\_GDB\_LOCATION to the correct location of the SDE file
3. Note: SDE files are usually located at C:\Users\[**username**]\AppData\Roaming\ESRI\Desktop10.0\ArcCatalog on desktop machines.
4. Run the batch script to execute the scripts required

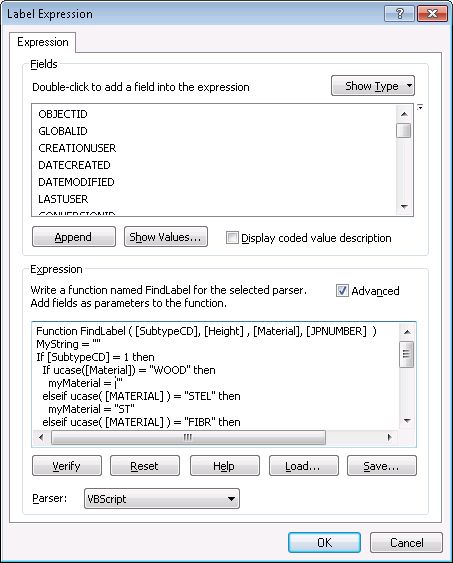
# Update Support Structure Annotation Expression

To implement these steps required exclusive access on the database. No user should be connected to the database.

1. Connect to the target database thourgh catalog
2. Open EDGIS.ElectricDataset
3. Open properties for EDGIS.SupportStructureAnno. Should see below screen shot.



1. Go to **Annotation Classes** Tab
2. Select **Default** from Annotation Classes list and click **Expression** button.
3. Remove the complete text under Expression box.



1. Copy the below expression and paste at the same place.

*Function FindLabel ( [SubtypeCD], [Height] , [Material], [JPNUMBER] )*

*MyString = ""*

*If [SubtypeCD] = 1 then*

*If ucase([Material]) = "WOOD" then*

*myMaterial = ""*

*elseif ucase( [MATERIAL] ) = "STEL" then*

*myMaterial = "ST"*

*elseif ucase( [MATERIAL] ) = "FIBR" then*

*myMaterial = "FG"*

*else*

*myMaterial = [MATERIAL]*

*end if*

*myString = [HEIGHT] +"' " + myMaterial*

*elseif [SubtypeCD] = 5 or [SubtypeCD] =4 or [SubtypeCD] = 2 or [SubtypeCD] = 8 then*

*MyString = [Height] + "' "*

*End If*

*IF [Height] <> 0 THEN*

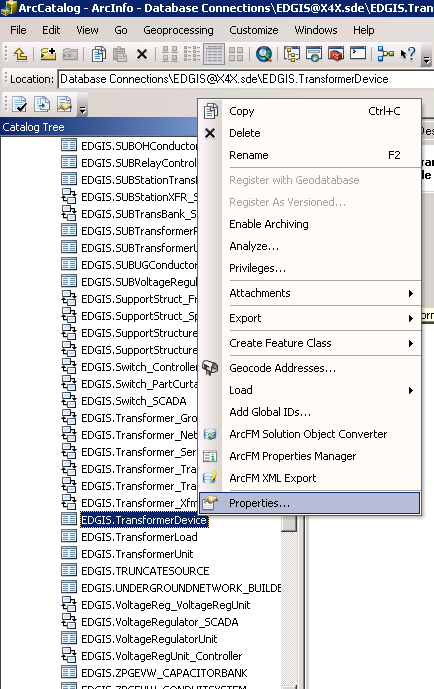
*FindLabel = MyString + vbCrLf + chr(129)*

*END IF*

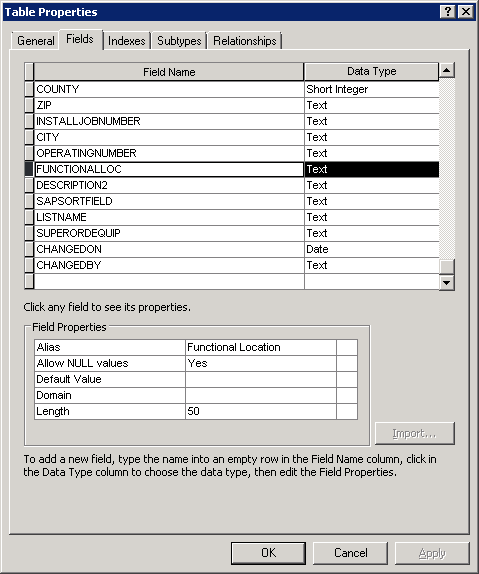
*End Function*

# [11477](http://edappgistfsprd1:8080/tfs/ElectricDistCollection/EDAMGIS/_workitems/edit/11477) [11478](http://edappgistfsprd1:8080/tfs/ElectricDistCollection/EDAMGIS/_workitems/edit/11478) Add new SAP Fields

1. Connect to the target database through ArcCatalog
2. Find the EDGIS.TransformerDevice table, right click and choose Properties (see image below)



1. On the Fields tab, scroll to the bottom of the fields list and select the empty row.
2. Type in the new field name then select the appropriate Data Type from the dropdown on the right.
3. In the Field Properties section, apply the Alias Name, Allow NULL values, size and other values as appropriate for each field. (see image below)



1. The Field changes for **TransformerDevice** are:

DESCRIPTION2, Alias = "Description2", Allow NULLS, Text(50)  
SAPSORTFIELD, Alias = "SAP Sort Field", Allow NULLS, Text(50)  
LISTNAME, Alias = "Spot Group Name", Allow NULLS, Text(50)  
FUNCTIONALLOC,  Alias = "Functional Location", Allow NULLS, Text(50)  
SUPERORDEQUIP,  Alias = "Super Order Equipment", Allow NULLS, Text(50)  
CHANGEDON,  Alias = "Changed On", Allow NULLS, Date

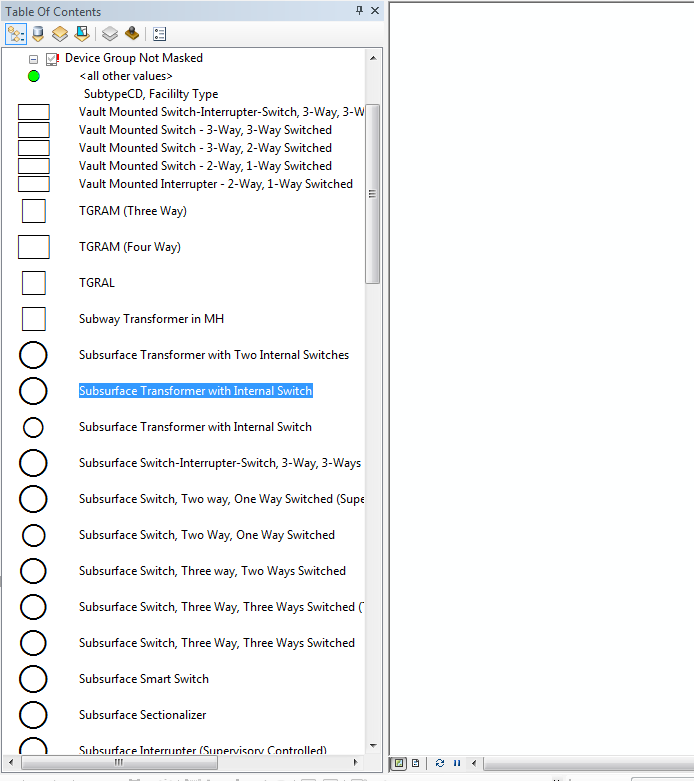
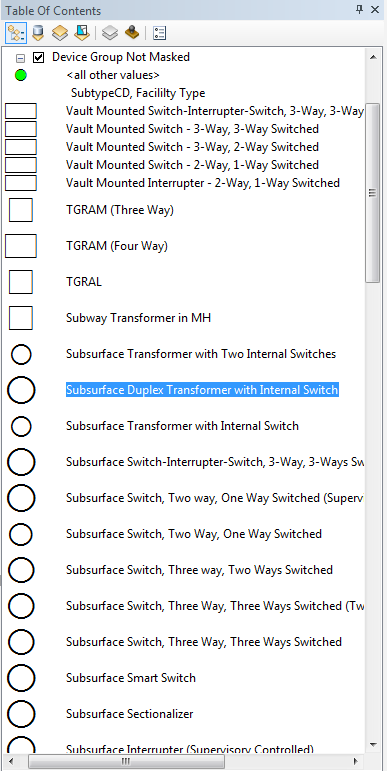
CHANGEDBY,  Alias = "Changed By", Allow NULLS, Text(50)

1. Click OK or Apply to accept the changes.
2. Find EDGIS.TransformerUnit table and select Properties.
3. Find the Fields tab, and add the fields as explained above.
4. The field changes for **TransformerUnit** are:

POSITIONDESCRIPTION, Alias = "Position Description", Allow NULLS, Text(50)  
SAPSORTFIELD, Alias = "SAP Sort Field", Allow NULLS, Text(50)  
LISTNAME, Alias = "Spot Group Name", Allow NULLS, Text(50)

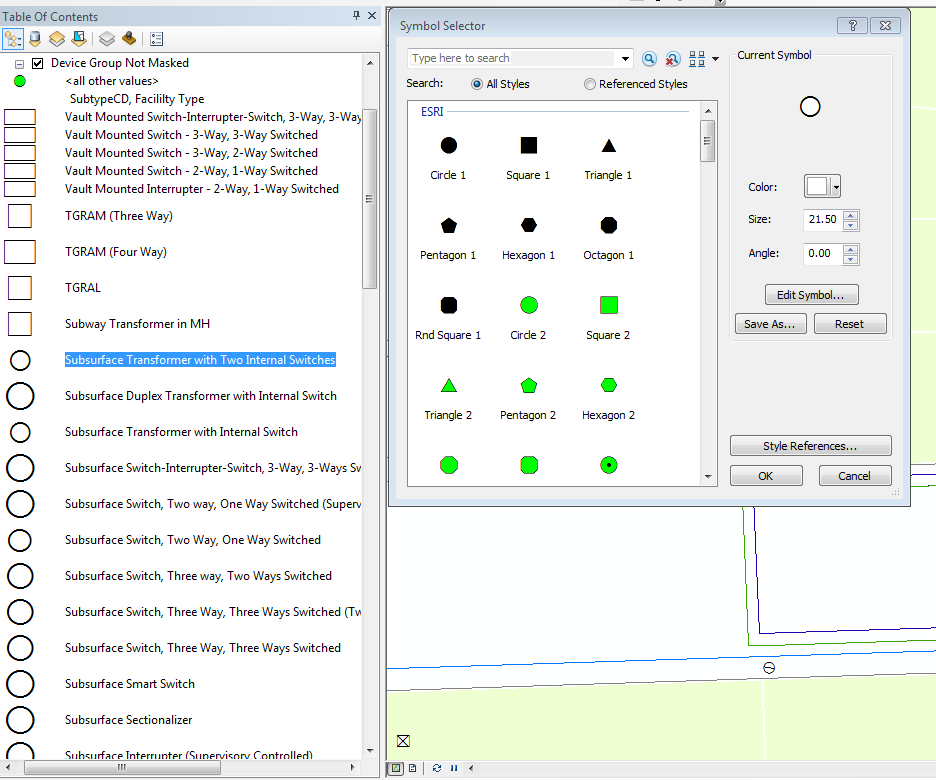
# ~~CR13321 - Stored Display Changes~~

## ~~Stored Display - "Device Group: Subsurface Duplex Transformer with Internal Switch" name change~~

1. ~~Perform the below steps for all stored displays with Device Group Not Masked.~~
2. ~~There are two "Device Group Not Masked" "Subsurface Transformer with Internal Switch".  The 'large' (30') circle should be named "Subsurface Duplex Transformer with Internal Switch".~~
3. ~~~~
4. ~~Change the layer name to the following:  
   ~~

## ~~Stored Display - "Device Group: Subsurface Transformer with Two Internal Switches" size change~~

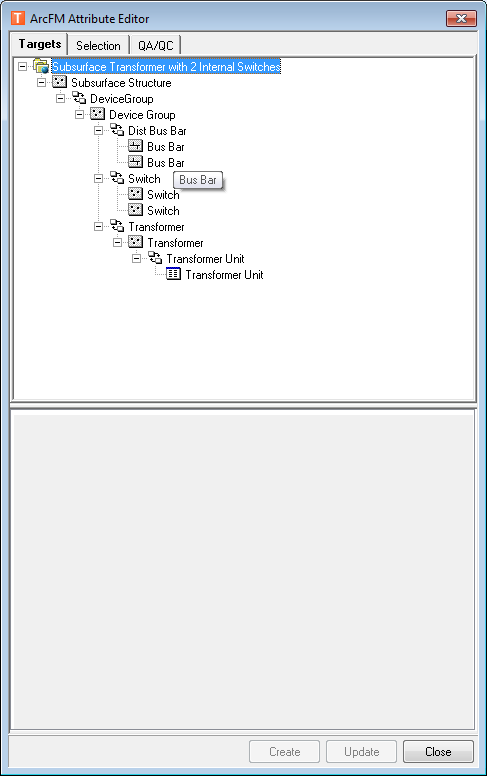
1. ~~All Stored displays that contain "Device Group Not Masked" "Subsurface Transformer with Two Internal Switches", change size of symbol from 30' to 21.5.~~
2. ~~In the stored display, expand Device Group Not Masked and double click the symbol to be changed (Subsurface Transformer with Two Internal Switches):~~

~~~~

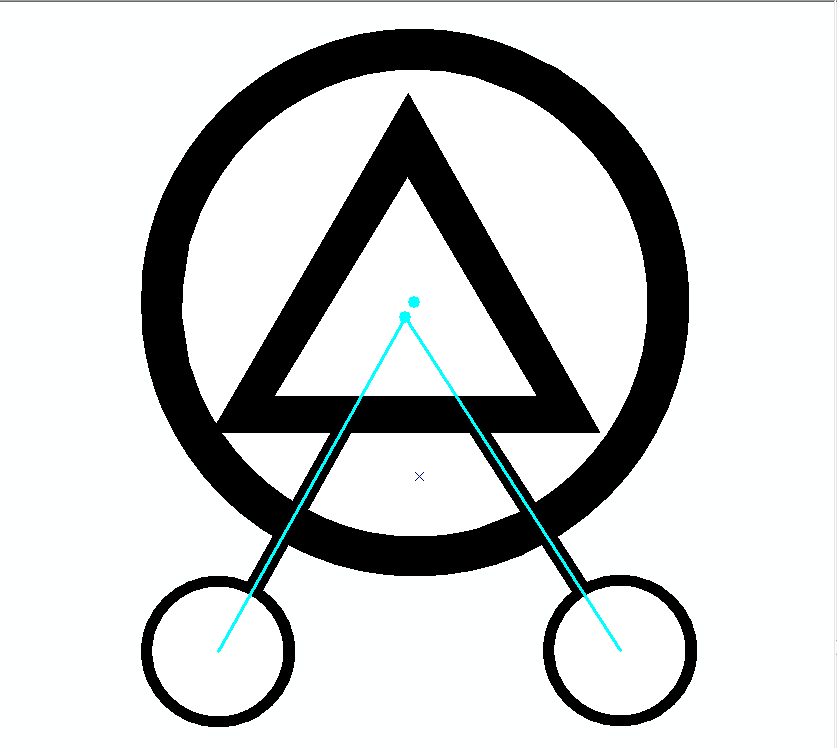
1. ~~Change the size to 21.5.~~
2. ~~Do a ‘save as’ on the stored display. Do not do a ‘Save’ as this will double the size of the stored display.~~

# CR13326 - Composite Favorite Correction

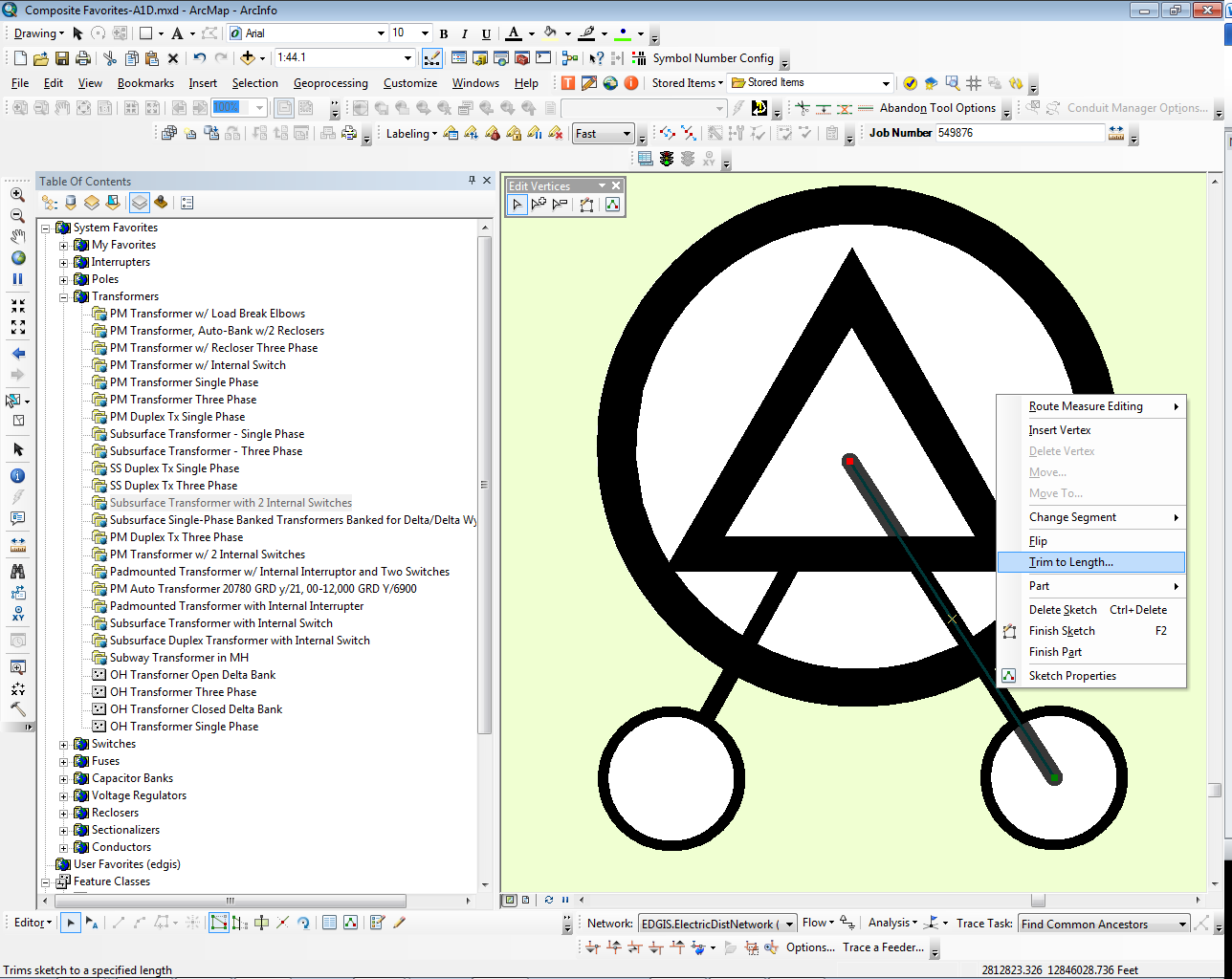
1. Place “Subsurface Transformer with Two Internal Switches” composite favorite



1. Select the auto placed annotation and delete, this is not needed for the exercise and will cause confusion
2. See the below image, notice the size of the DG “Subsurface Transformer with Two Internal Switches (5)” has already been changed to 21.5’ (from 30’). Also notice the transformer and bus bars are not snapped to the DG.



1. Select the busbars (one at a time) and trim to 12.2’ (the opposing busbar and transformer will “rubberband” with the shortening of the busbars, this is fine.





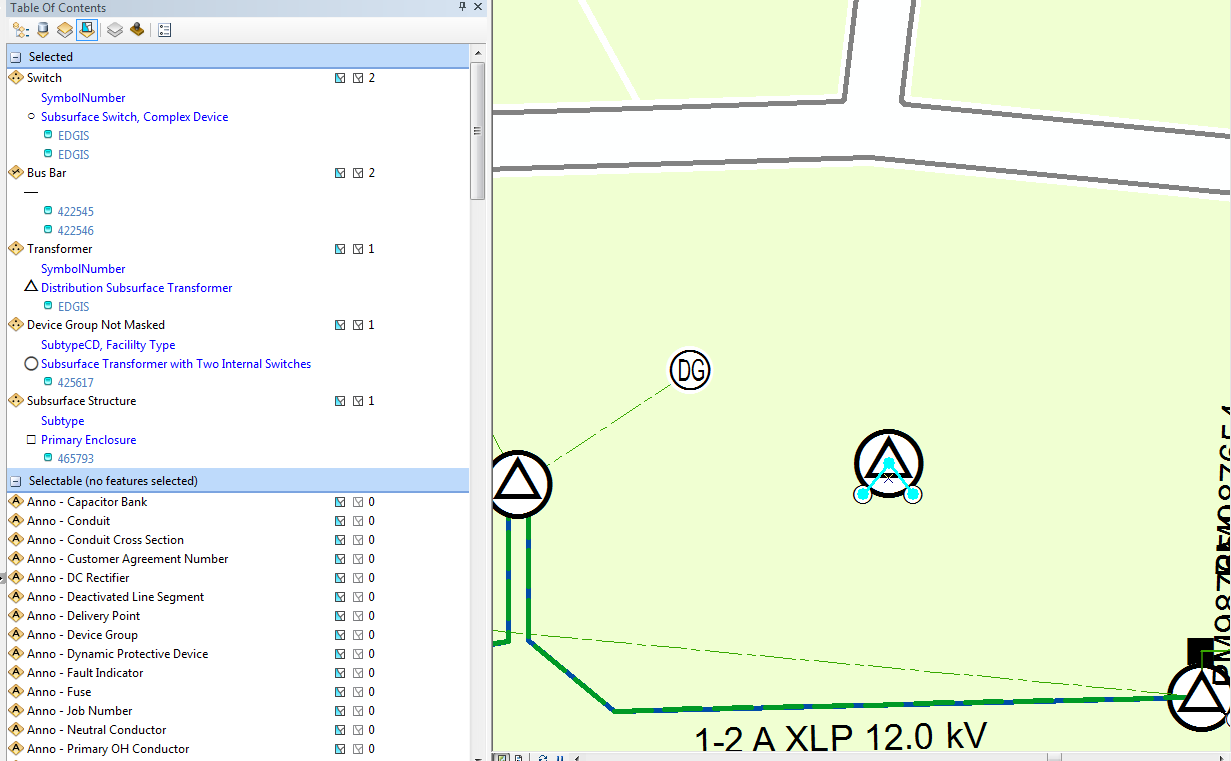
1. Select the DG and Subsurface structure



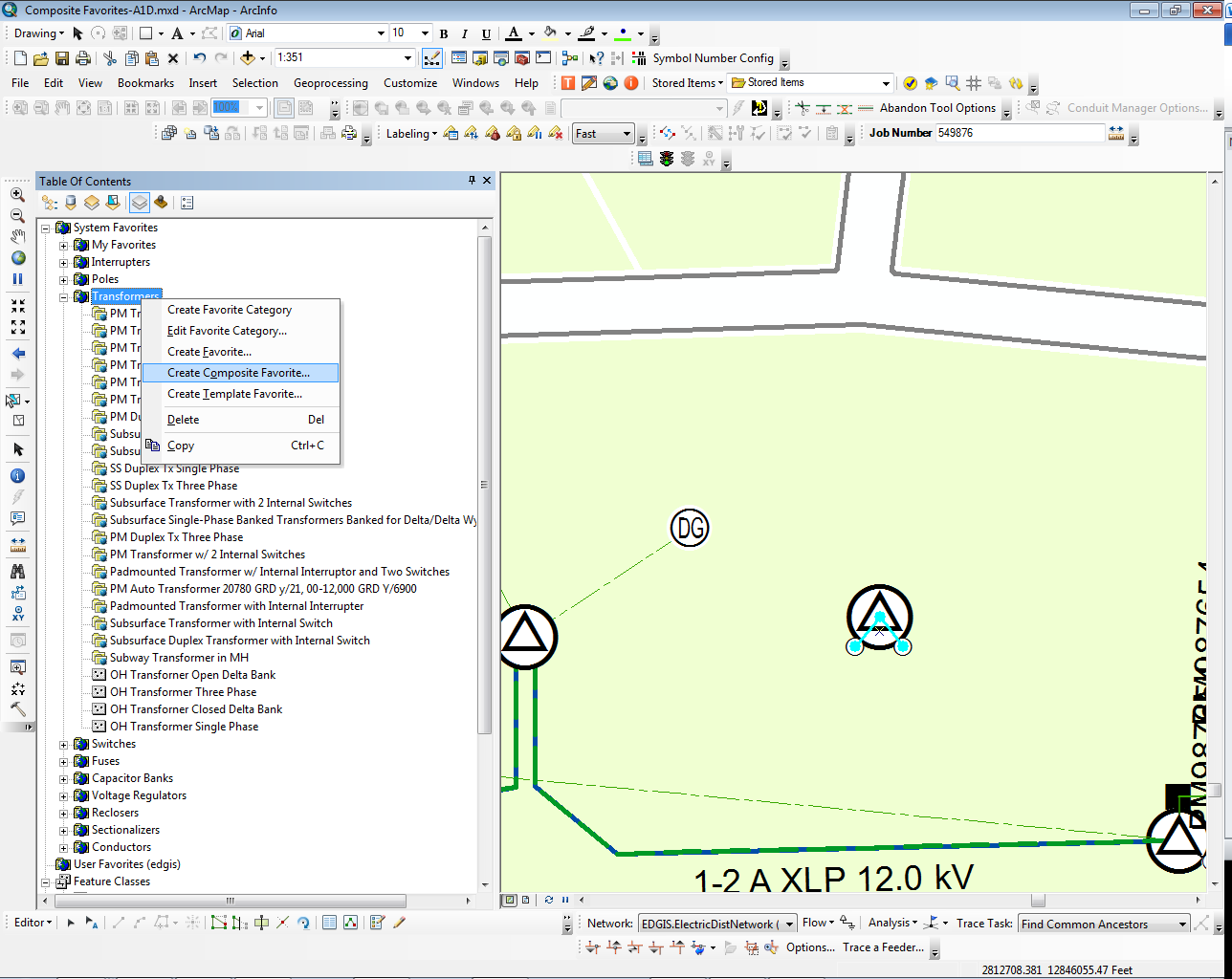
1. Move to snap to the transformer



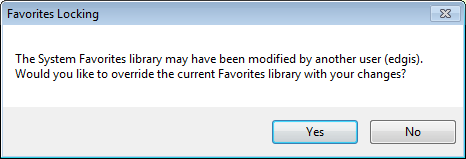
1. Select all features that were modified (make sure you only have 2 switches, 2 busbars, 1 transformer, 1 subsurface structure and 1 device group in your selection.



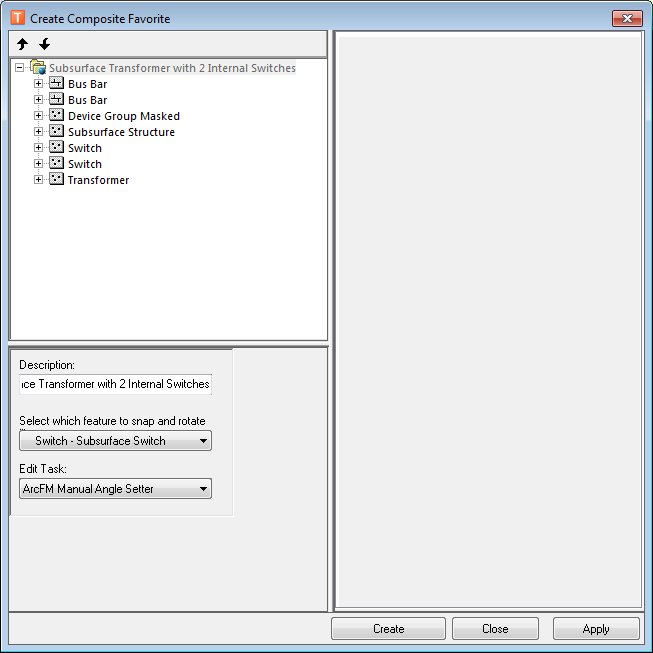
1. Right click on “System Favorites” and click “Create Composite Favorite”



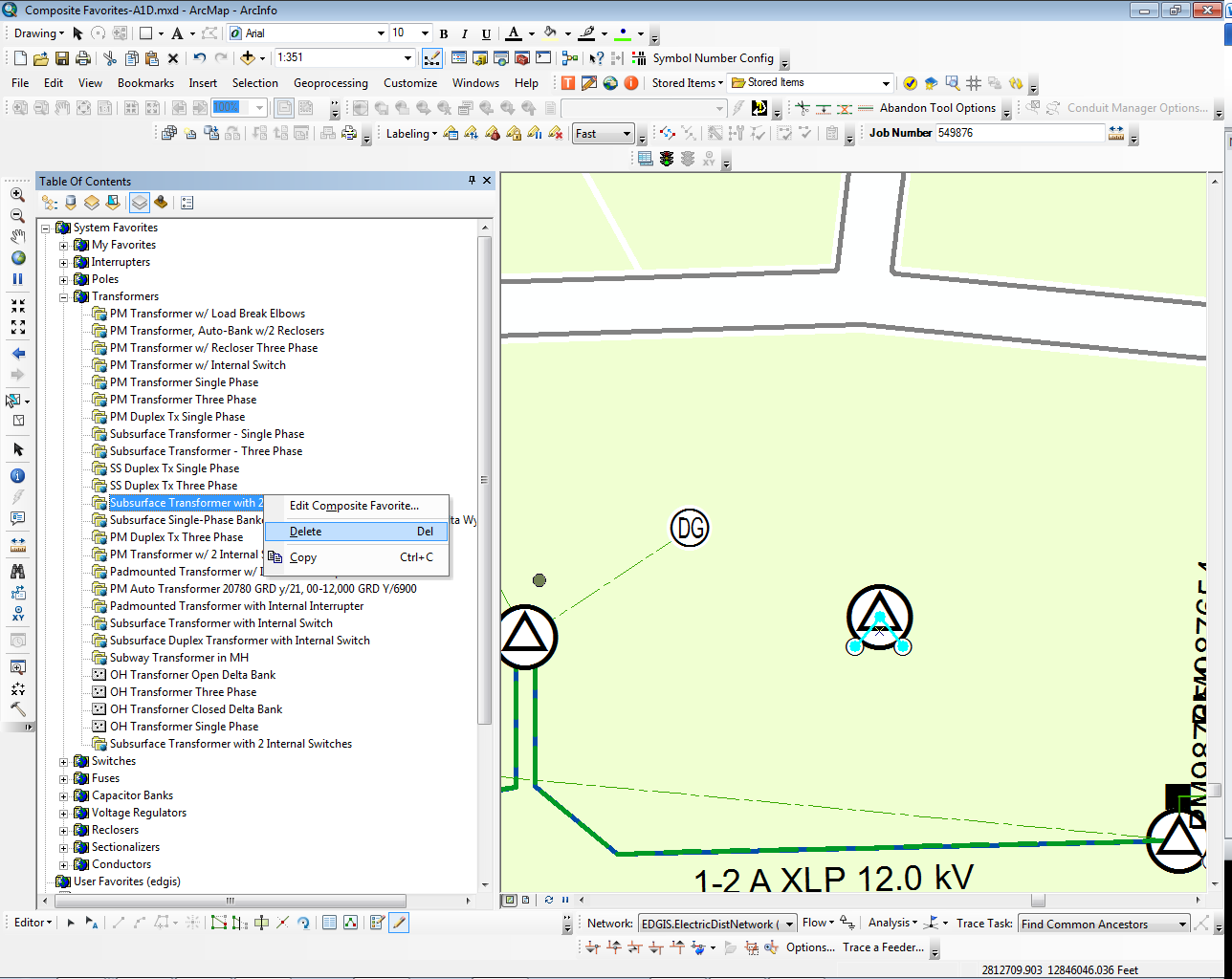
1. Click “Yes” on the Favorites Locking dialog (validate you are the only person working on favorites)



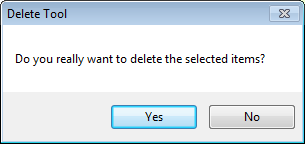
1. Validate in comparison to the below image and click “Create”



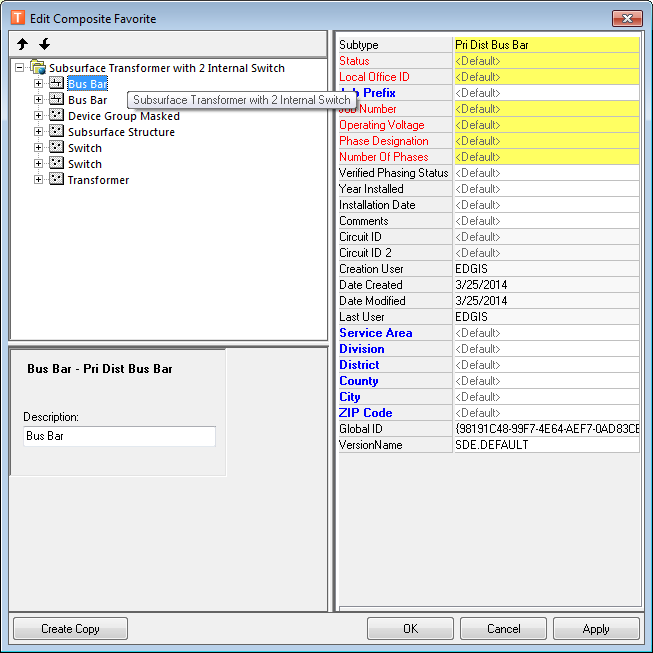
1. Delete the original Composite Favorite

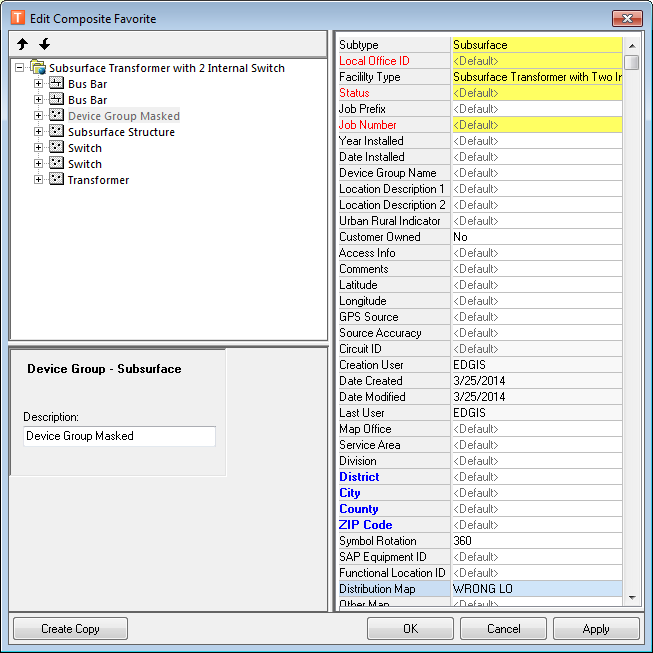


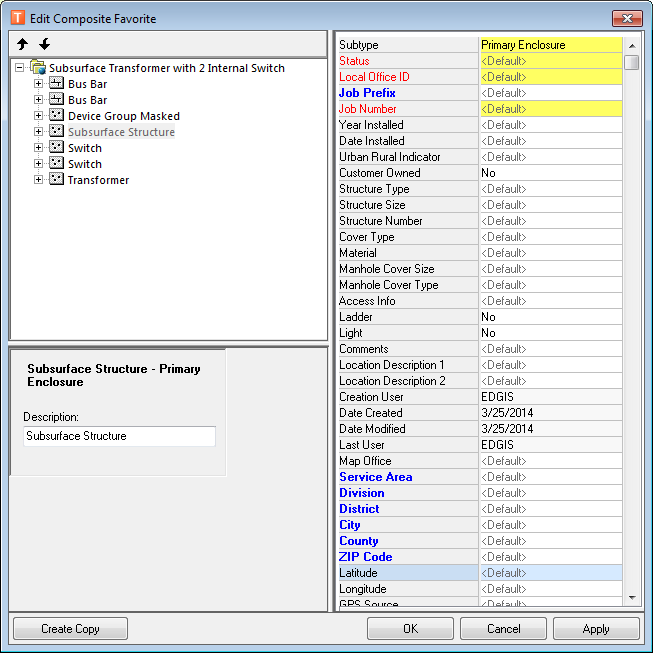
1. Confirm delete

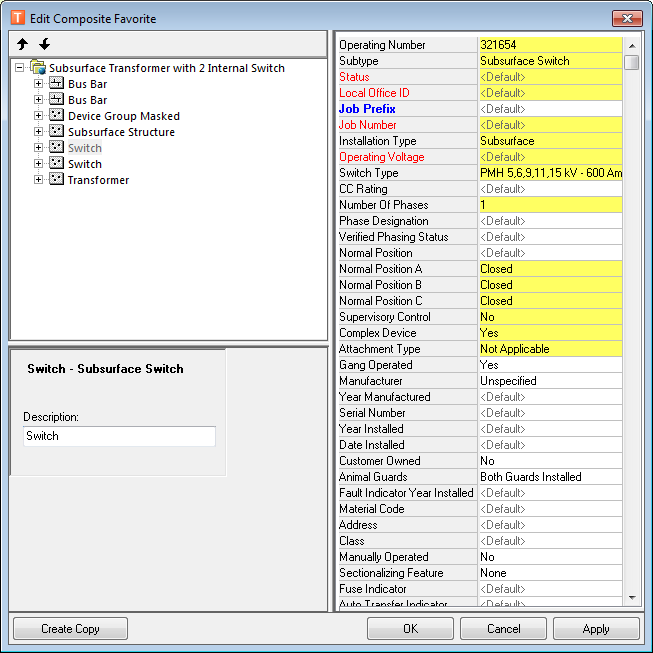


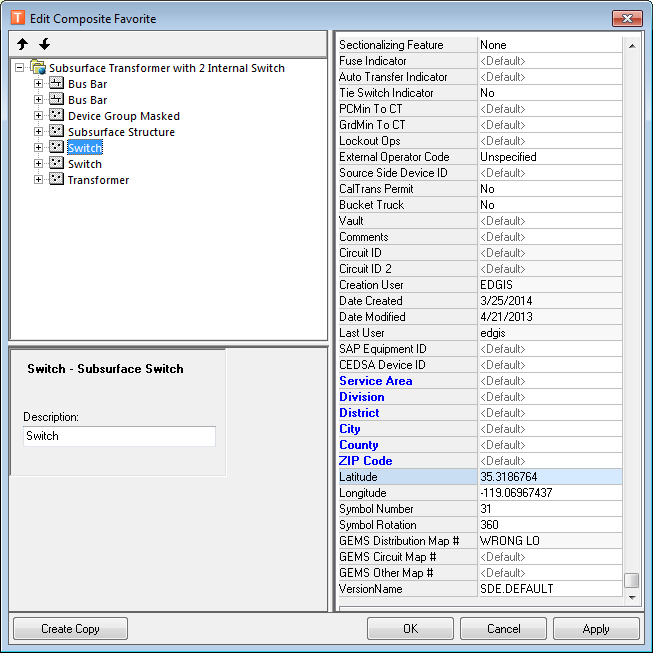
1. Remove all “required” attributes entered when placing the ‘old’ composite favorite

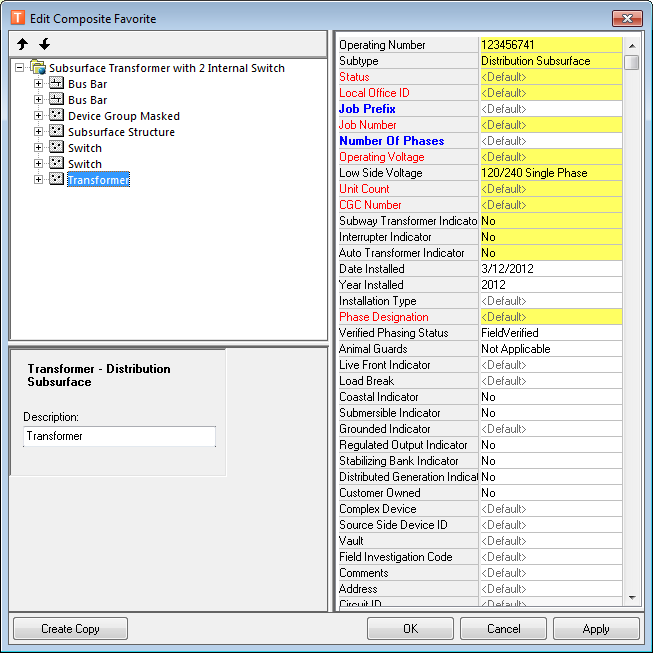


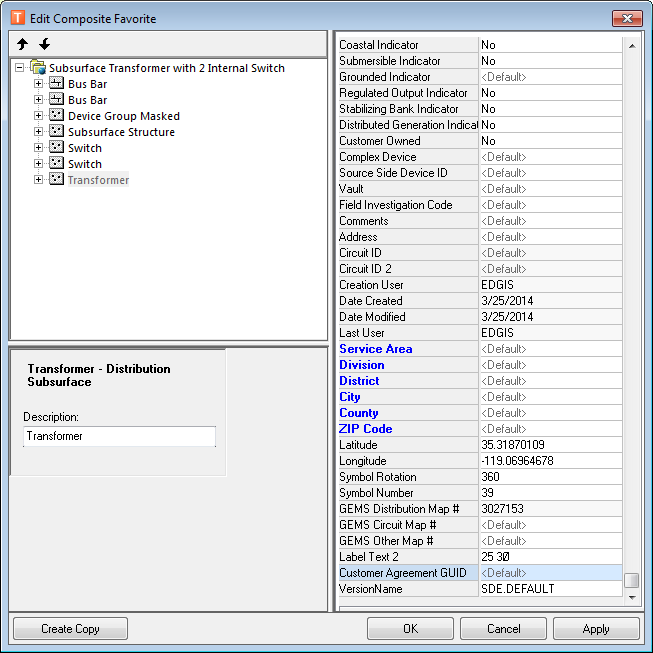






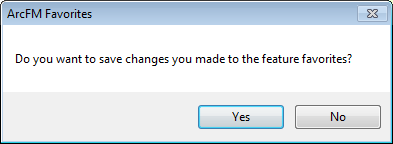




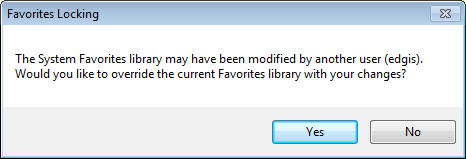


A few fields shown above are “auto populated” by AUs, do not worry about these as they will be overwritten when the user places a new favorite.

1. Close ArcMap
2. Click “Yes” on ArcFM Favorites dialog



1. Click “Yes” on the Favorites Locking dialog (validate you are the only one making udates)



1. Do NOT save edited features

# CR13701 - Increase PM Order Number Search Speed

1. Copy the pm\_order\_number.sql file locally. Refer to [Section 1.3](#_External_Documents) for file location.
2. Run the SQL as EDGIS on the db

# ~~CR13743- Configure UC4 to run change detection 2.0~~

~~UC4 must run the following each night:~~

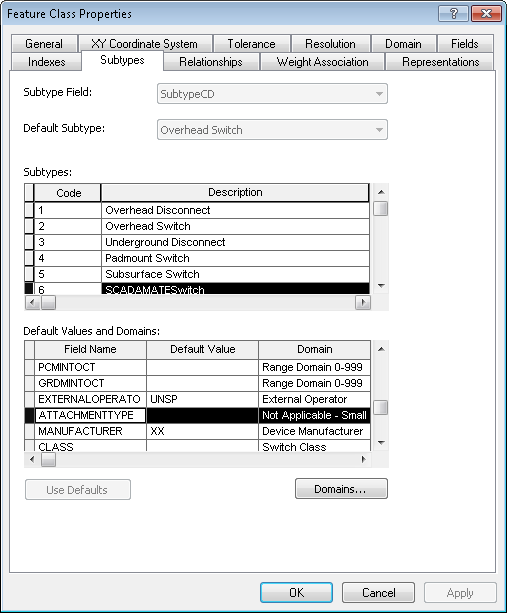
1. ~~Change Detection\PGEChangeDetection.exe –c EDER.config~~
2. ~~Change Detection\PGEChangeDetection.exe –o Landbase.config~~
3. ~~Change Detection\PGEChangeDetection.exe –c Landbase.config~~
4. ~~Change Detection\PGEChangeDetection.exe –c WIP~~
5. ~~Refer to~~ [~~Section 1.3~~](#_External_Documents) ~~for file location (ChangeDetection2.0).~~

~~In production we will need to thus configure the config files for Change Detection of:~~

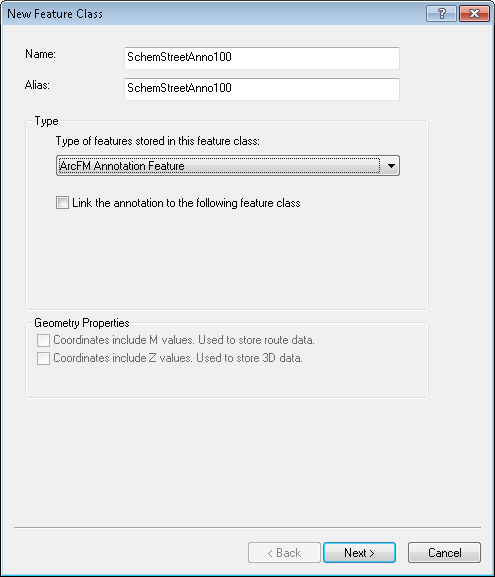
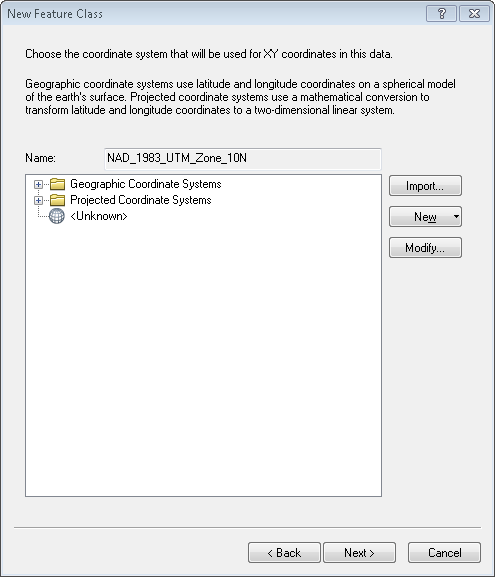
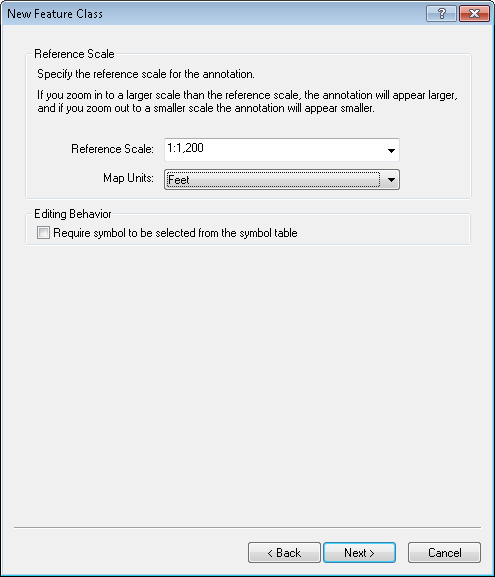
1. ~~WIP.Config and pge.log4net.WIP.config~~
2. ~~Landbase.Config and pge.log4net.Landbase.config~~
3. ~~EDER.config and pge.log4net.EDER.config~~

~~Landbase muct be configured with a version for change detection to use. Landbase.config must be updated with the version name created.~~

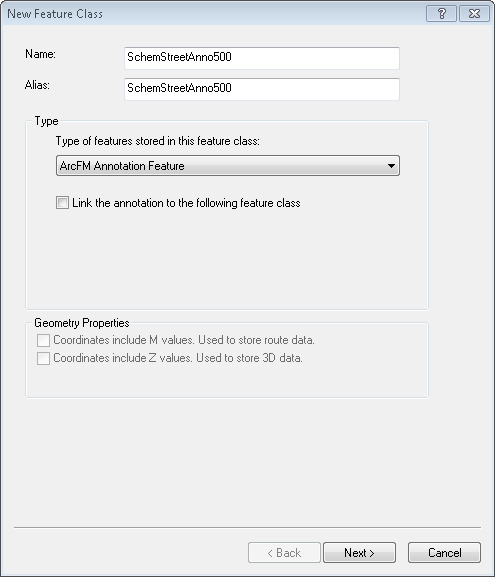
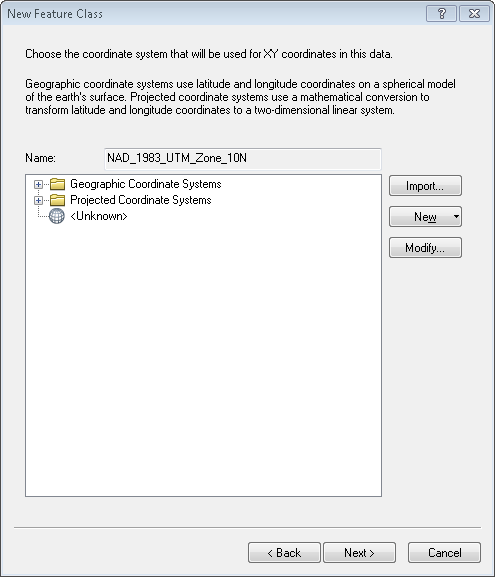
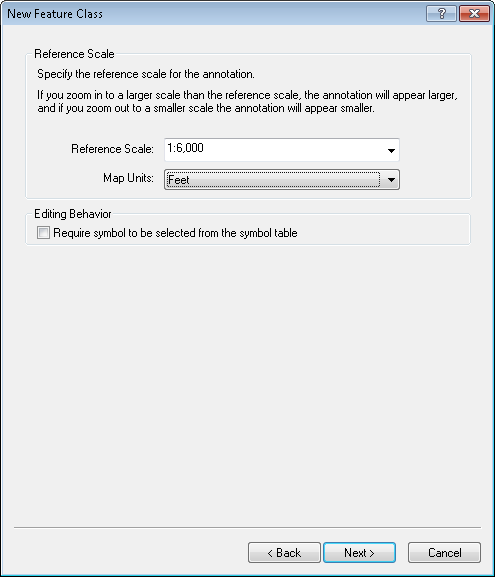
# 12426 - Assign domain Not Applicable on ATTACHMENTTYPE field in Switch feature class with subtype SCADAMATESwitch

1. In the ElectricDataset, double click the Switch feature class.
2. Select the Subtypes tab and select SCADAMATESwitch in the Subtypes box.
3. Located the ATTACHMENTTYPE field and assign a domain of Not Applicable – Small Integer.  
   

# 11614 - Add EDGIS.SchemStreetAnno100 Anno class

1. Right click at the root level and select New->Feature Class.
2. Enter as below and click Next:  
   
3. For the Coordinate System, Click Import. Click the ElectricDataset in the target database and select Add.  
   
4. Click Next.
5. Click Next on the XY Tolerance screen.
6. Type 1200 and change the Map Units to Feet on the Reference Scale screen. Click Next  
   
7. Click Next on the Annotation Classes screen.
8. Click Next on the Database Storage Configuration screen.
9. Click Finish.
10. Right click the feature class and select Register As Versioned.
11. Click Ok when prompted.

# 11615 – Add EDGIS.SchemStreetAnno500 Anno class

1. Right click at the root level and select New->Feature Class.
2. Enter as below and click Next:  
    
3. For the Coordinate System, Click Import. Click the ElectricDataset in the target database and select Add.  
   
4. Click Next.
5. Click Next on the XY Tolerance screen.
6. Type 6000 and change the Map Units to Feet on the Reference Scale screen. Click Next  
   
7. Click Next on the Annotation Classes screen.
8. Click Next on the Database Storage Configuration screen.
9. Click Finish.
10. Right click the feature class and select Register As Versioned.
11. Click Ok when prompted.

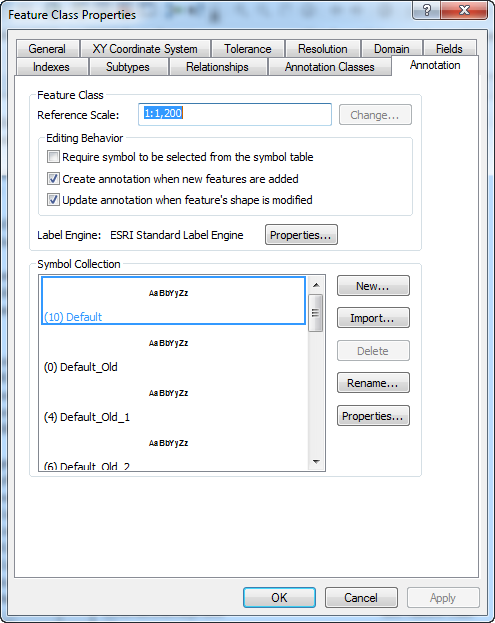
# 12546 - Model Update for Schematics Annotation Feature Classes

Schematics annotation should not rotate, change, or move with feature updates in EDER. However it does right now

To correct this peform the following. For all Schematics annotation, uncheck the checkbox to update On Feature Update:

-SWITCHSCHEM100ANNO  
-STEPDOWNSCHEM500ANNO  
-STEPDOWNSCHEM100ANNO  
-PRIGENERATIONSCHEM500ANNO  
-PRIGENERATIONSCHEM100ANNO  
-FUSESCHEM500ANNO  
-FUSESCHEM100ANNO  
-FAULTINDICATORSCHEM500ANNO  
-FAULTINDICATORSCHEM100ANNO  
-ELECSTITCHPOINTSCHEM500ANNO  
-ELECSTITCHPOINTSCHEM100ANNO  
-DYNPROTDEVSCHEM500ANNO  
-DYNPROTDEVSCHEM100ANNO  
-DEVICEGROUPSCHEM500ANNO  
-DEVICEGROUPSCHEM100ANNO  
-CAPACITORBANKSCHEM500ANNO  
-CAPACITORBANKSCHEM100ANNO  
-VOLTAGEREGULATORSCHEM500ANNO  
-VOLTAGEREGULATORSCHEM100ANNO  
-TRANSFORMERSCHEM500ANNO  
-TRANSFORMERSCHEM100ANNO  
-SWITCHSCHEM500ANNO

A screenshot is below for which screen to perform this change on:

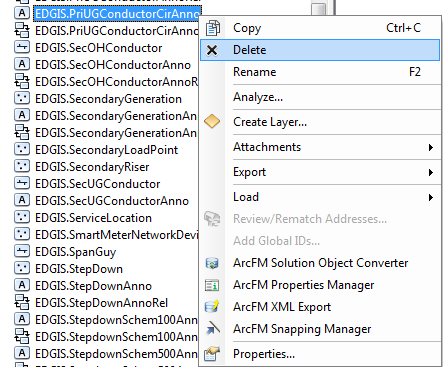


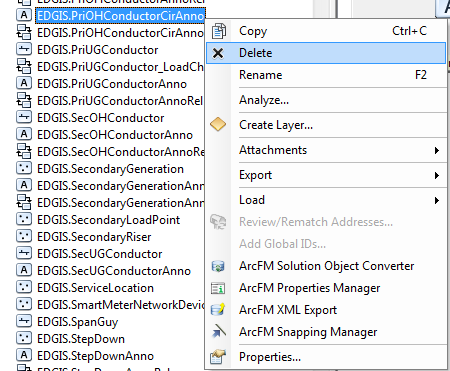
# 13243 - Delete PriUGConductorCirAnno and PriOHConductorCirAnno classes (and relationships to relevant Conductor FC)

**Steps to Complete:**

1. Open up ArcCatalog
2. Open the connection to the target instance
3. Navigate to the PriUGConductorCirAnno annotation class
4. Right click on the class
5. Select Delete
6. Navigate to the PriOHConductorCirAnno annotation class
7. Right click on the class
8. Select Delete

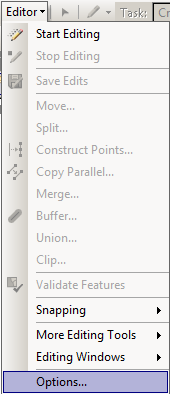
**Note:** Refer to the screen shots below if necessary





# Telvent Validation Table Changes

* 1. Open up an ArcMap Session
  2. Cancel out of the ArcFM login
  3. Drag the SDE.TELVENT\_VALIDATION\_SEVERITYMAP table from ArcCatalog into your ArcMap table of contents
  4. Ensure that the table is connected as SDE
  5. In the Editing Toolbar in ArcMap select the Editor Combo



* 1. Click Options…
  2. Click on the Versioning tab
  3. Uncheck the checkbox that says “**Edit a version of the database with the ability to undo and redo”**
  4. Click OK
  5. Start editing
  6. Open the attribute table and scroll to the bottom
  7. Ensure that PGE Validate Map is set to Warning. If not, change it.
  8. Ensure that there are no duplicate ‘Name’ entries in the table. An easy way of doing this is to sort the table by Name and look down the rows. If there are any duplicates, delete the duplicates.
  9. If any edits were made, select Editor->Save edits.
  10. Select Editor->Stop Editing and close ArcMap.

# Change Alias of Photovoltaic Cell

1. In the Electric Dataset, double click Photovoltaic Cell. Select the General tab and change the alias to "PhotoVoltaicCell”.

# [AssetRepl2] - Additional Changes for Asset Replacement Wizard

1. On the command prompt screen that you will run the python script from, run the following command: “set SCRIPT\_GDB\_LOCATION=C:\...” where C:\... is the path to the SDE file of the target database. The user should be EDGIS.
2. Run the python script **01\_Add\_Field\_To\_Objects\_REPLACEGUID.py** in the folder to add the field to the data model where necessary.
3. Run the SQL script “**EDER 2002 PGE\_ASSETREPLACEMENT and PGE\_ASSETCOPY Model name configuration .sql**” in the folder to assign the required model names. The user should be SDE.
4. Perform the following steps to run the delete script and delete model names that should not be assigned:
5. Open sqlplus at a commandline
6. Log in as sde
7. Run the following commands:

Set spool c:\temp\out\_log\_delete\_review.log

Set trimspool on

Set linesize 500

Set pagesize 50000

1. Copy the contents of the text file “**DeleteAssetCopyModelName.sql**” and paste it in to run the sql
2. Run the following sql:

Spool off

1. Go to the c:\temp folder and attach the out\_log\_delete\_review.log to the TFS

# [MapProd1.0] Data Model Change for Map Production

1. Copy the SQL script locally. Refer to [Section 1.3](#_External_Documents) for location.
2. Open sqlplus at a command prompt as SDE.
3. Copy/paste the contents of the file to run.
4. Copy the output into a log file named map\_production\_1\_dm\_change.log and attach to the TFS request associated with this document.

# Import New Snapping XML

1. Go to the new snapping xml location referenced in [Section 1.3](#_External_Documents) and copy it locally.
2. Right click the database and select ArcFM XML Import.
3. Select the ‘Overwrite’ option.
4. Browse to the file to import.
5. Select ‘Import’.
6. When the import is complete, copy the errors to a log file and attach that log file to the TFS request for this document.

# ~~Stored Display Changes~~

1. ~~Open the stored displays folder, referenced in~~ [~~Section 1.3~~](#_External_Documents)~~.~~
2. ~~For mxds that exist in the ‘Fixed’ subfolder of the stored displays folder, use those mxds in place of the old ones in the stored displays folder. For mxds that do not exist in the ‘Fixed’ subfolder, use the original mxds in the stored displays folder.~~
3. ~~These are the following mxds in the Fixed folder:~~

~~Circuit Map View.mxd~~

~~Dist Map View (M&C)-BW-TIFF.mxd~~

~~Dist Map View-BW-TIFF-GEO.mxd~~

~~Distribution Map View (M&C).mxd~~

~~Distribution Map View.mxd~~

~~ED Mapping.mxd~~

~~ED Master.mxd~~

~~Joint Utility.mxd~~

~~Streetlight Map.mxd~~

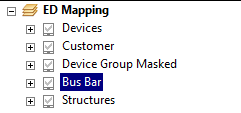
~~TRA.mxd~~

# ~~Map Production 1.0 MXDs~~

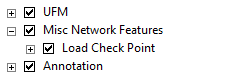
1. ~~Open the installation location for Map Production 1.0.~~
2. ~~Navigate to the location referenced in~~ [~~Section 1.3~~](#_External_Documents) ~~for Map Production 1.0. (Use Alt+left arrow to get back to this location once you click the section link)~~
3. ~~Rename the ‘Map Production Mxds’ folder to ‘Map Production mxds EDER1.0’.~~
4. ~~Create a new folder named ‘Map Production Mxds’.~~
5. ~~Copy all new MXDs into the created folder.~~

# ~~Bus Bar Change In ED Mapping Stored Display~~

1. ~~Open the ED Mapping stored display as EDGIS.~~
2. ~~Move Bus Bar layer back to its original layer position (below Device Group Masked)~~

~~~~

1. ~~Create new group layer Misc Network Feature below UFM and move the Load Check Point from device to this new group layer.~~

~~~~

1. ~~Delete the current ED Mapping stored display from the Stored Items Manager, noting down its position in the list.~~
2. ~~Do a ‘Save As’ on the new ED Mapping stored display from the Stored Items dropdown.~~
3. ~~Move the ED Mapping stored display back to where it use before deletion.~~

# Apply Database Changes to Upgrade Datamodel

If there are any users logged into the system, please kick them out to execute this step.

1. Run the attached SQL script as EDGIS on the target database in a SQL prompt.
2. Update the below SQL code with your name in the place where it says: “<INSERT TEAM MEMBER DONE BY>”.
3. Replace the ‘CRxxx’ in the script below with the Change Request Number of the request that is currently being performed.
4. Save the following script as a .bat file and run the following SQL code as EDGIS in a SQL prompt to increment the data model version:

update pgedatamodelversion set currentidc='N' where currentidc='Y';

insert into pgedatamodelversion (OBJECTID, CURRENTIDC, DATEAPPLIED, APPLIEDBYPERSONNAME, MODELVERSION) values (<Insert Next Object ID>,'Y',sysdate,'<INSERT TEAM MEMBER DONE BY>','**7.7**');

commit;

# Run SQL to update the PGE\_ReplaceAsset tool properties reported by UAT users:

1. Open a cmd prompt on your machine.
2. connect to the database server to be updated as sde
3. Run the following commands:

Set spool c:\temp\out\_log\_step40\_review.log

Set trimspool on

Set linesize 500

Set pagesize 50000

1. Copy the contents of the text file “**FixReplaceAssetFields.sql**” and paste it in to run the sql.



1. Run the following sql:

Spool off

1. Go to the c:\temp folder and attach the out\_log\_step40\_review.log to the TFS

# Apply Database Changes to Upgrade Datamodel

If there are any users logged into the system, please kick them out to execute this step.

1. Run the attached SQL script as EDGIS on the target database in a SQL prompt.
2. Update the below SQL code with your name in the place where it says: “<INSERT TEAM MEMBER DONE BY>”.
3. Replace the ‘CRxxx’ in the script below with the Change Request Number of the request that is currently being performed.
4. Save the following script as a .bat file and run the following SQL code as EDGIS in a SQL prompt to increment the data model version:

update pgedatamodelversion set currentidc='N' where currentidc='Y';

insert into pgedatamodelversion (OBJECTID, CURRENTIDC, DATEAPPLIED, APPLIEDBYPERSONNAME, MODELVERSION) values (<Insert Next Object ID>,'Y',sysdate,'<INSERT TEAM MEMBER DONE BY>','**7.7 for build 10.0.3.65**');

commit;

# Save ED Mapping Stored Display

1. Navigate to the fixed\_4 subfolder of the Stored Displays folder ([Section 1.3](#_External_Documents) for reference links).
2. Open the ED Mapping mxd in ArcMap.
3. Delete the current ED Mapping stored display using Stored Items Manager. Make a note of its location in the list of stored displays.

Do a ‘Save as’ on the new ED Mapping mxd to save it as a stored display. Ensure the order is the same as before.

# Null Phase Designation QA Rule To Error

These steps will set the Phase Deignation QA/QC rule to error rather than warning.

1) Connect from a sqlplus prompt as the sde user to the database to be updated.

2) run the following SQL as the sde user:

update sde.telvent\_validation\_severitymap set severity=0 where name='PGE Validate Phase Designation';

commit;

3) Open ArcCatalog and connect to the database as sde

4) For each of the following feature classes manually assign the Validate Phase designation rule:

EDGIS.OpenPoint

EDGIS.Fuse

EDGIS.Switch

Steps to assign are:

- right click on feature class

- choose arcfm properties

- select the Object Info tab

- scroll down in the bottom frame of "Rules" and find the "PGE Validate Phase Designation" check box.

- Make sure that the check box is populated for the "PGE Validate Phase Designation" check box.

Brief validation steps:

Locate a Fuse that has CircuitID and PhaseDesignation fields that are non-null.

Run QA/QC on it. There should not be any errors.

Place a Fuse in space (not connected to any conductors) and run QA/QC on it. Since it has a PhaseDesignation that is null, you should see a QA/QC error for null phase designation marked as 'Error' rather than 'Warning'.

# Save ED Master Stored Display

1. Navigate to the ‘fixed’ subfolder of the Stored Displays folder ([Section 1.3](#_External_Documents) for reference links).
2. Open the ED Master mxd in ArcMap.
3. Delete the current ED Master stored display using Stored Items Manager. Make a note of its location in the list of stored displays.
4. Do a ‘Save as’ on the new ED Master mxd to save it as a stored display. Ensure the order is the same as before.
5. The following ticket has already been completed but is included here for reference. Please skip this step.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 3a | 5/1/14 0:00 | Swizzle MXDs in EDER with Generic TNS Names--Copy MXDs from EDGIS1P and swizzle for generic TNS |  | 14319 |

# 14298 – Change the QA/QC rule of PGE Validate Local Office to a warning

1. Run the below SQL as SDE on the target database.

update sde.telvent\_validation\_severitymap set severity=1 where name='PGE Validate Local Office';

commit;

# 14281 - Change the QA/QC rule of PGE Validate Island Feature to a warning

1. Run the below SQL as SDE on the target database:

update sde.telvent\_validation\_severitymap set severity=1 where name='PGE Validate Island Feature';

commit;

Test Steps:

1. Locate Secondary Underground Coductor OID 662137
2. Select record
3. Disconnect using ArcFM disconnect
4. Click PGE Run QA/QC
5. Select Version Difference & Severity - All
6. Run QA/QC
7. Validate the Results tab for the following:
   1. Service Location feature show Warning - Island Feature - The feature is not connected to any feeder
   2. Sec UG Conductor feature showing the same warning.

# 14262 - Remove default value from the pririser feature class field of InstallJobNumber

1. Login to the target database as EDGIS and navigate to the ElectricDataset.
2. Right click on Primary Riser
3. Select Properties (not ArcFM Properties, but the ESRI properties).
4. Select the Fields tab
5. Browse down to the InstallJobNumber field
6. Clear out the default field value.

Validation:

1. In Edit mode - Select primary riser from the conductor group in the feature tab
2. Confirm on the targets tab in the ArcFM attribute editor that the Job Number attribute is null
3. Fill in all required attributes and try to place the feature. You should get an error.
4. Fill in the PG&E Job Number in the PG&E Job Number toolbar.
5. Try to place the feature. You should be able to place it.
6. Select the feature and verify that the Job Number from the PG&E Job Number toolbar populates the feature’s Job Number field.

# 14252 - Assign PGE Validate Null Phase Designation QA/QC rule to Switch, Fuse, Open Point and set it to Error for all assigned features.

1) Connect from a sqlplus prompt as the sde user to the database to be updated

2) run the following SQL as the sde user:

update sde.telvent\_validation\_severitymap set severity=0 where name='PGE Validate Phase Designation';

delete from sde.mm\_class\_modelnames where modelname='PGE\_PHASEVALIDATIONFORUNIT';

commit;

3) Open ArcCatalog and connect to the database as sde

4) For each of the following feature classes manually assign the Validate Phase designation rule:

EDGIS.OpenPoint

EDGIS.Fuse

EDGIS.Switch

Steps to assign are:

- right click on feature class

- choose arcfm properties

- select the Object Info tab

- scroll down in the bottom frame of "Rules" and find the "PGE Validate Phase Designation" check box.

- Make sure that the check box is populated for the "PGE Validate Phase Designation" check box.

Brief validation steps:

1. Locate a Fuse that has CircuitID and PhaseDesignation fields that are non-null.
2. Run QA/QC on it. There should not be any errors.
3. Place a Fuse in space (not connected to any conductors) and run QA/QC on it. Since it has a PhaseDesignation that is null, you should see a QA/QC error for null phase designation marked as 'Error' rather than 'Warning'.

# 14318 - Disable PGE Validate Source Connectivity and PGE Validate Phase Designation on specific featureclasses and subtypes

Connect to the database to be changed in ArcCatalog as EDGIS:

## Remove All Validation for the following feature classes

Follow these steps for each of the following feature classes:

|  |
| --- |
| Delivery Point |
| Secondary OH Conductor |
| Secondary Generation |
| Secondary Load Point |
| Secondary UG Conductor |
| Service Location |
| SmartMeterNetworkDevice |
| StreetLight |
| Transformer Lead |

A) Right click the feature and select ArcFM properties.

B) Select the ‘Object Info’ Tab , Make sure the ‘ALL’ subtype option is shown.

C) In the bottom window ‘Rules’

- uncheck the validation rule “PGE Validate Source Connectivity”

- uncheck the validation rule “PGE Validate Phase Designation”

D) Click OK

Note: Repeat for each of the feature classes in the above table.

## Remove Validation of some SubTypes Only

For the following features we are disabling only some subtypes, so follow the steps for the feature class and subtype specified:

|  |  |  |
| --- | --- | --- |
| Open Point | Open Point | Yes |
| Open Point | Pseudo Open Point | Yes |
| Tie | Secondary Tie | Yes |

A) Right click the feature and select ArcFM properties.

B) Select the ‘Object Info’ Tab

C) Select the subtype to change from the table above for the feature class.

D) In the bottom window ‘Rules’

- uncheck the validation rule “PGE Validate Source Connectivity”

- uncheck the validation rule “PGE Validate Phase Designation”

D) switch to another subtype to be disabled, if there is one on this feature class.

E) Click OK

Note: Repeat for each of the feature classes in the above table.

# Apply Database Changes to Upgrade Datamodel

If there are any users logged into the system, please kick them out to execute this step.

1. Run the attached SQL script as EDGIS on the target database in a SQL prompt.
2. Update the below SQL code with your name in the place where it says: “<INSERT TEAM MEMBER DONE BY>”.
3. Replace the ‘CRxxx’ in the script below with the Change Request Number of the request that is currently being performed.
4. Save the following script as a .bat file and run the following SQL code as EDGIS in a SQL prompt to increment the data model version:

update pgedatamodelversion set currentidc='N' where currentidc='Y';

insert into pgedatamodelversion (OBJECTID, CURRENTIDC, DATEAPPLIED, APPLIEDBYPERSONNAME, MODELVERSION) values (<Insert Next Object ID>,'Y',sysdate,'<INSERT TEAM MEMBER DONE BY>','**7.7.1 <CRXXX>**');

commit;