DEVICEGROUPTYPE Domain Value Changes + Autoupdater for new “ADMSLABEL” column

# Document Change History

| **Author/Contributor** | **Version** | **Date** | **Description of Changes** |
| --- | --- | --- | --- |
| Derek Fletcher | 1.0 | 6/3/2020 |  |
| Derek Fletcher | 1.1 | 8/3/2020 | Uses new attribute “ADMSLABEL” to store shorthand label information instead of “DEVICEGROUPNAME” |

# Stakeholder Details

| **Stakeholder** | **Title** | **LAN ID** | **Role Description for Design** |
| --- | --- | --- | --- |
| Derek Fletcher | ADMS Data Lead | DMFM | Project Manager |
| David Gonzalez | Dist Ops Engineer | DCGA | Technical Expert |

# Background

Shorthand labels for Device Groups are displayed in DMS to facilitate identification of the Device Type by users. For example, a Subsurface Fused Switch is given the shorthand “SS FU SW”; and a Padmounted Transformer w/ Two Internal Switches is given the shorthand “PM TX W/ 2 SW”.

Currently, these shorthand Device Group labels are encoded during the GIS import into DMS based on the EDGIS.DeviceGroup.DeviceGroupType field in combination with the Subtype. However, to minimize the complexity of the future ADMS import, the ADMS Network Model Design Team proposes using a new attribute called EDGIS.DeviceGroup.ADMSLabel field as the staging location for the shorthand label text for consumption by ADMS.

Under this proposal, the DeviceGroup.ADMSLabel field would be autopopulated using a lookup based on the combination of DeviceGroup.SubtypeCd and DeviceGroup.DeviceGroupType for all DeviceGroupTypes *except* J-Boxes. For J-Boxes, The DeviceGroup.ADMSLabel field would be populated with the value in the DeviceGroup.DeviceGroupName field.

In addition, the ADMS Network Model Design Team proposes making two changes to the DeviceGroupType Domain Values:

* “SCADA-specific” DeviceGroupType domain values should be removed after all data associated with these domains is manually re-mapped to the associated non-SCADA attribute. SCADA-specific domain values provide an unnecessary level of detail and do not need to be tracked within this attribute.
* Obsolete DeviceGroupType values (i.e. those that will never again be installed) should be re-labeled beginning with “Obsolete … “ to discourage unwanted usage by mappers.

# Business Benefit (place X next to selection, describe other)

Safety(); Compliance(); WSIP(); Ergonomics(); Data Quality(x); Performance(); Other() \_\_\_\_\_\_\_\_\_\_\_

# Incident Number(s)

* Autoupdater for DEVICEGROUPNAME based on DEVICEGROUPTYPE and SUBTYPECD ([EGIS-263](https://jiraappprd01.comp.pge.com:8443/browse/EGIS-263)).
* Removal of SCADA-specific DEVICEGROUPTYPE domain values ([EGIS-265](https://jiraappprd01.comp.pge.com:8443/browse/EGIS-265))
* Relabeling of obsolete DEVICEGROUPTYPE domain values ([EGIS-472](https://jiraappprd01.comp.pge.com:8443/browse/EGIS-472))
* DEVICEGROUPNAME Scripting ([EGIS-329](https://jiraappprd01.comp.pge.com:8443/browse/EGIS-329))

# Proposed Business Requirements:

* AC1 – A new column is added to the EDGIS.DEVICEGROUP table called “ADMSLABEL” that is uneditable and hidden from mappers.
* AC2 - A new Autoupdater is developed that autopoulates shorthand label text into the newly-created EDGIS.DEVICEGROUP.ADMSLABEL field.
  + AC2a – For non J-Boxes, the autopopulated label is sourced from a lookup using the EDGIS.DEVICEGROUP.SUBTYPECD and EDGIS.DEVICEGROUP.DEVICEGROUPTYPE fields. The lookup mapping is contained in columns A, B, and D of Attachment A.
  + AC2b – For J-Boxes the autopopulated label is sourced from the existing value in the EDGIS.DEVICEGROUPNAME field.
* AC3 – A one-time script is run to populate the new EDGIS.DEVICEGROUP.ADMSLABEL values for the first time before the auto-updater begins functioning.
* AC4 - Removal of 6 SCADA-specific DEVICEGROUPTYPE domain values (2.11, 2.14, 2.18, 3.25, 3.29, 3.31 in the attached spreadsheet).
* AC5 - A one-time manual edit is performed to re-assign approximately 495 records associated with these 6 SCADA-specific DEVICEGROUPTYPES into different categories according to the logic in Column F of the Attachment A.
* AC6 – DEVICEGROUPTYPE labels are updated according to the red ink in Attachment A.

# Changes Required

## Process Changes

Mappers will no longer need to maintain “SCADA-specific” device group types.

Adding the text “Obsolete” in front of retired equipment types will discourage mappers from accidentally selecting incorrect values.

## Data Model Changes

Changes to DEVICEGROUPTYPE domain values as described in AC4 and AC6 above.

## Data Changes

A one-time script is run as described in AC3 above.

One-time manual edits as described in AC5 above.

## Changes to Stored Displays

### *Editor Stored Displays*

None

### *Webviewer Stored Displays*

None

## Map Production

None

## Geomart

None

## Interfaces

The data is intended for consumption by ADMS only.

The existing code that produces DeviceGroup shorthand labeling in the GIS-DMS integration will not be changed.

No downstream interface code updates are required for domain codes that are removed.

## SAP Considerations

None

## Schematics

None

## Business Objects Reports

None

## Field Asset Inventory (FAI) Impact

None

## Application Changes

### Editor Application changes

None

### Webviewer application changes

None

### Page Templates

None

## Change Management

### Mapping Support

Mapping will no longer need to maintain SCADA information within the DeviceGroupType attribute.

### WebViewer Job Aid

None

# Appendix A

Attachment 1: DEVICEGROUP\_changes

