VALIDATION STANDARD PROFILES



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SETTING UP PROFILES

To add a profile, click Add New Profile.



Designate a name for the profile, then click OK.

🕕 Futura Validations			- 🗆 X
Validations	sults 🖉 Exempt Errors		
Select Profile: Selected	Add New Profile O Validation Profile O	Delete Profile Save Profile Configuration	
	Classes	Validation Checks	
Map View	ElectricComponents ElectricNetwork Landbase	Bank & Asset Validation ESRI Core Validation Mandatory Values Validation	
Selection	Proposed UnGrouped	<pre>// Enter a name Enter a name :</pre>	×
Classes			
Electric			
Other			
			Validate

The following are the suggested profile names and settings:

Network Connectivity (if applicable) ElectricOther Non-Electric Tables Other Selected

Network Connectivity

The Network Connectivity profile checks the Geometric Network. If this profile does not exist, set up the validation checks shown below. Then schedule this profile to run nightly on the server using Server Utility.



For more information on how to view the results of the nightly validation task see: <u>Latest Validation Checks</u>

The following profiles should be set up and run from the map at least once a month. To keep the data clean as you go, run the MapView or Selection profile after editing or posting a job.

On the Electric tab, select the Validation checks named ESRI Core Validation and System Values.



Non-Electric

On the Classes tab, under ElectricComponents, select the Structures and Light classes, then select all validation checks.



Select the UnGrouped class. Select all classes that begin with Asset but do not include history (i.e. select AssetCapacitor but not AssetCapacitorHistory). Also, select JointUseRecords and Treatment (if applicable), then select all validation checks.



You must set several configurations before you set up the Other tab. To access these, click the Other tab and choose Configuration from the top banner.





On the Coincident Points tab, configure Consumer and Structure with 0.1 ft tolerance.

Alle Validation Configurations	1		X	
	Point FeatureClass Tolera		ance	
🍾 Coincident Points	Structure	• .1	Add	
	Drag a column header here t	to group by that	column	
Coincident Vertices	Feature Class		Tolerance	
Coincident vertices	Consumer		0.1	
	Structure		0.1	
Duplicates on System				
Short Lines				
SQL Query	144 44 4 Record 1 of 2 🕨	₩ ₩	÷	

Coincident Vertices

On the Coincident Vertices tab, configure PrimaryConductor and SecondaryConductor with 0.1 ft tolerance. (UG lines will be exempted)

NV Validation Configurations			X
	Line FeatureClass	Tolerance	
Coincident Points	SecondaryConductor 🔹	.1	Add J
	Drag a column header here to gro	up by that co	lumn
Coincident Vertices	Feature Class	۴	Tolerance
Coincident vertices	PrimaryConductor		0.1
	SecondaryConductor		0.1
Duplicates on System			
Short Lines			
SQL Query	144 44 4 Record 1 of 2 → ₩ ₩		

On the Short Lines tab, configure PrimaryConductor and SecondaryConductor to 1 ft.



After configurations have been set, select all validation checks except Custom SQL Query and Duplicate value at system level.



Note: Duplicate System and Custom SQL validations are not configured as part of the standard Other profile. If you would like to configure these validations, please contact Futura Support.

- Duplicate System is used to check for unique across multiple feature classes (i.e. UPN-GIS Light integration where the Mapnumber needs to be unique between Consumers and Lights).
- Custom SQL is used to compare GIS and CIS data for anyone who does not have UPN-GIS integration. If you are missing these queries contact Futura Product Support. See Appendix A for instructions on how to configure out-ofthe-box queries.

Selected

On the Selection tab, select all validation checks. No classes need to be checked.



Note: After posting a job using Post to GIS, the features that were created will be selected. When opening Futura Validation, the last profile that was run will be selected. Make sure it is on the Selection profile and click Validate.

SAVING PROFILES

After configuring the recommended settings for each profile, click Save Profile to save the changes.





SELECTING & RUNNING PROFILES

Now that the profiles have been created with the desired settings choose the profile you want to run from the drop-down list. All of the settings you configured for that profile should appear. Click Validate to run this profile.

Select Profile: Selected	Add New Profile	Delete Profile Save Profile Configuration	
ElectricOther Non-Electric Tables Other Selected Selection Classes Electric Electric	tricComponents diricHetwork deare >cosed >UnGrouped	Validation Checks Validation Velidation Velidation Velidation Velidation Multiparent Transformer Validation Phasing Validation Values Validation Velidation Velidation Velidation Velidation	





Double click on Custom SQL Query to bring up the SQL Editor.

Putura Validations		>
Validations	aults 🖉 Exempt Errors	
ect Profile. Other	Add New Profile Delete Profile Save Profile Configuration	
	Valdaton Checks	
Map View	Becheloroments Decentretion Decentretion Caescheline Caescheline Caescheline Cautor 502 Query Consumer Depleter value at system level CalibbotterScore Visher Lines	
Selection	BicctrdVetwork_Net Frender Resolarie DeterPlant	
Electric	Privary Conductor Reducentiant Regulate tank Sectional are tank Sectional are tank	
- Dither	Bog Transformentians Supp Transformentians Transformentians Productorector Productorector Productorector Productorector Productorectorectorectorectorectorectorectore	
Other	> Pathropecton > PPDMe > PPDMe > Pathropector/Ardives	

The SQL query editor includes the Standard Templates. To access them, click on the Standard Templates tab.



Choose the query you want to create and click Generate SQL Code.

10 Futura SQL Editor Version: dbo.DEFAULT	- 0	×
4		*
BanksMoreThan 100FeetAwayFromRelatedStructure.sql	Refresh Template List	
CISCustomersNotInConsumers.sql	Generate SQL Code	
CISLightDataNotInLights.sql	Edit Template	
InvalidAssetCountForBank2.sql	Clear	-
InvalidAssetCountForElectronicRecloser.sql		
InvalidAssetCountForGangSwitch.sql		
InvalidConstructionUnit.sql		
InvalidStructureTypeForOHTrans.sql		
LightNotInCISLightData.sql		
Main Query Builder Join Builder Asset Templates Standard Templates	Relates	

Click on the Main tab.

NU Futura SQL Editor Version: dbo.DEFAULT	-	×
TransformerBank.Placement=OH and Structure.Type is unequal to Pole. validationname: Invalid Structure Type For OH Transformer SELECT B.[OBJECTID] RowID , "TransformerBank' ClassName , B.[PLACEMENT] , B.[Type] , B.[AssetCount] , S.Type S_type CASE		-
WHEN S.Type = 1 THEN 'Pole' WHEN S.Type = 2 THEN 'Light' WHEN S.Type = 4 THEN 'SwitchCabinet' WHEN S.Type = 5 THEN 'Pedestal' WHEN S.Type = 6 THEN 'BUSBAR' 4		•
Row: 21 Col: 18 Comment Name: TvalidStructureTypeForOHTran Save Cancel Verify Preview Table Preview Columns		
Main Query Builder Join Builder Asset Templates Standard Templates Relates		

Name the query and click verify.



If the query is successful, the Save button will become available. Click Save.



The new query will be listed in the Validation Checks list under Custom SQL Query. Select the new query and click Save Profile.



