Excel Import for TransSECS

The nodes for adding VIDs, CEIDs, ALIDs and Devices (if using a TransSECS version with Devices capabilities, for example the PLC version) have options to import from an Excel Spreadsheet. Right-click on the appropriate node and choose "Import Excel".



You will be prompted to choose an Excel spreadsheet that contains the description of the ids.

The spreadsheet should have a tab that contains the information for the appropriate ids.

	A	в	С	D	E	F	
1	VID Type	Name	VID	DataType	LimitMin	LimitMax	
2	SVID	AnSVID2	8001	U4	-100	100	
3	ECID	AnECID	8002	F4			
4	DVID	ADVID	8003	12			
5							
6							
7							
8							
_	1		1	1			_
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The order of the tabs is not important, but the names must be as shown – ceids, alids and vids. For the TransSECS/Device version, there can also be a "devices" tab.

Each tab must have column headers as shown in the images.

VIDs

For VIDs the headers are VIDType, Name VID, DataType and the Limits. All data field,s except the limits are mandatory. Limits may be blank but if provided both a min and a max must be provided. A optional column called "Units" may also be added to complete the description of the VID.

The VID Type is one of SVID, ECID, or DVID. The name can be any string but should be unique. The VID must be numeric and must be unique. The DataType can be any of the SECS Data types.

Туре	String	A/20 💌	
Default Value	List I	L/0	
rhand the	Binary	B/10	
Fixed Len	Boolean	Bo/11	
Justification	String	A/20	
	Integer-1	11/31	
	Integer-2	12/32	
	Integer-4	14/34	
Device Name	Integer-8	18/30	
Tag Name	Float-8	F8/40	
	Float-4	F4/44	
	Unsigned	-8 U8/50	
	Unsigned	-4 U4/54	
	Unsigned	-2 U2/52	
	Unsigned	-1 U1/51	
	Any		

CEIDs

	А	В	С	
1	Name	CEID	DVIDs	
2	FirstCEID	6010	3700,8003	
3	SecondCEID	6011	anotherdvid	
4				
5				
6				
7				
8				
0	1			
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For CEIDs that is Name, CEID and DVIDs. The name and CEID fields are mandatory, the DVIDs field may be empty. DVIDs can be provided as numeric ids or DVID names. These must already be defined in TransSECS.

ALIDs

	А	В	с	D	E	F	
1	ALIDName	ALID	ALTX	ALCD	setCEID	clearCEID	
2	ALID20036	20036	Station Exhaust Monitor	6	6009	6011	
3	ALID2003	20038	Second Alarm	6	6009	6011	
4							
5							
6							
7							
8							
9							
K ▲ ▶ M ♠ ceids alids vids							

ALIDs must have the ALIDName, ALID, ALTX, ALCD and the setCEID and clearCEID column headers. The setCEIDs and clearCEIDs must already exist in TransSECS.

Devices

When using TransSECS/PLC or other TransSECS version that supports "Devices" a "devices" tab can be added to the spreadsheet. This will be available when clicking on a particular device in the "Devices" node.

	A	В	С	D				
1	ServerName	ServerType	Address	timebase				
2	FinsWord0	Word	D4009	5				
3	FinsWord1	Double Word	D4004					
4								
5								
6								
7								
8								
9								
10								
_	·	1						
H -	H I > M • cedis alids devices vids							

This has the mandatory column headers ServerName, ServerType and Address. The ServerName



should be unique. The server type should match the type shown in the dropdown list associated with the device. For example, for Modbus, shown below, a type of "Modbus Word" would add the same server type as clicking on that entry in the dropdown list. The options vary for each device type. Here's the list for Omron Fins.



Additional columns can be used to set properties in the specific device. These column names must match the names of the properties as shown in the property editor for the particular device. For example, Timebase is almost always available. For Modbus the common properties are shown below. Here a column name of "slavenodeaddress" would allow the addition of a slave node.

Modbus 4X Int	Modbus Word
Name	Modbus Word
Reg. Address	Not Set
Register Type	4X Register
Script	Not Set
Slave Node Address	0
Signed ?	False
Timebase	1.0

VIDs, ALIDs and CEIDs sheets can then have the DeviceName and TagName colums.

D	E
DeviceName	TagName
ModbusTCP	HSMSPort
ModbusTCP	DeviceID

	A	В	С	D	E	F	G	н	I
1	VID Type	Name	VID	DataType	LimitMin	LimitMax	DeviceName	TagName	
2	SVID	AnSVID	8001	U4	-100	100	ModbusTCP	HSMSPort	
3	ECID	AnECID	8002	F4			ModbusTCP	DeviceID	
4	DVID	ADVID	8003	12					
5									
6									
-/									
9									
10									
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energy engree energy en		
Device Name Modbus TCP	•	
Tag Name Modbus Word	•	

These are populated with exactly the Device Name and Tag Name you would choose if manually creating the element.