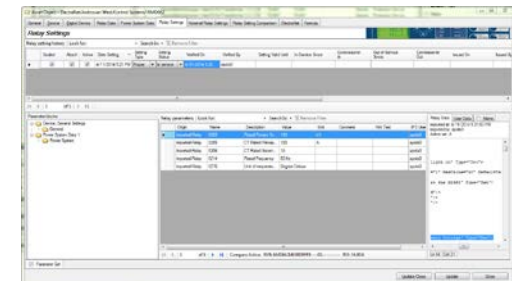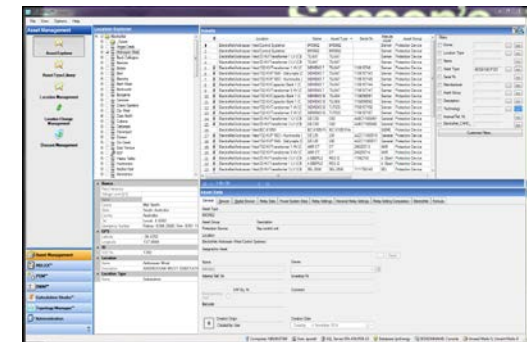**ElectraNet**

# IPS-Energy File Conversion Videos

## Steps to Convert Common Relay Files to *IPS-Energy File Format*

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Position:  Network Engineer

# Facts about IPS-Energy:



> In order for a setting file to be uploaded in IPS-Energy, it should be converted first to a *file format* supported by IPS-Energy.

> Every brand and type of relay requires it's own proprietary software to update and finalise settings before converting it to the required *file format*.

> Every brand and type of relay has it's own unique ways of conversion.

> IPS-Energy *file formats* differ per brand and type of relays.

> More often than not, the version of the relay setting should match to the relay pattern in IPS-Energy to prevent lost setting issues.

> A video presentation is made to facilitate learning the steps in converting common relay files to the *file format* supported by IPS-Energy.
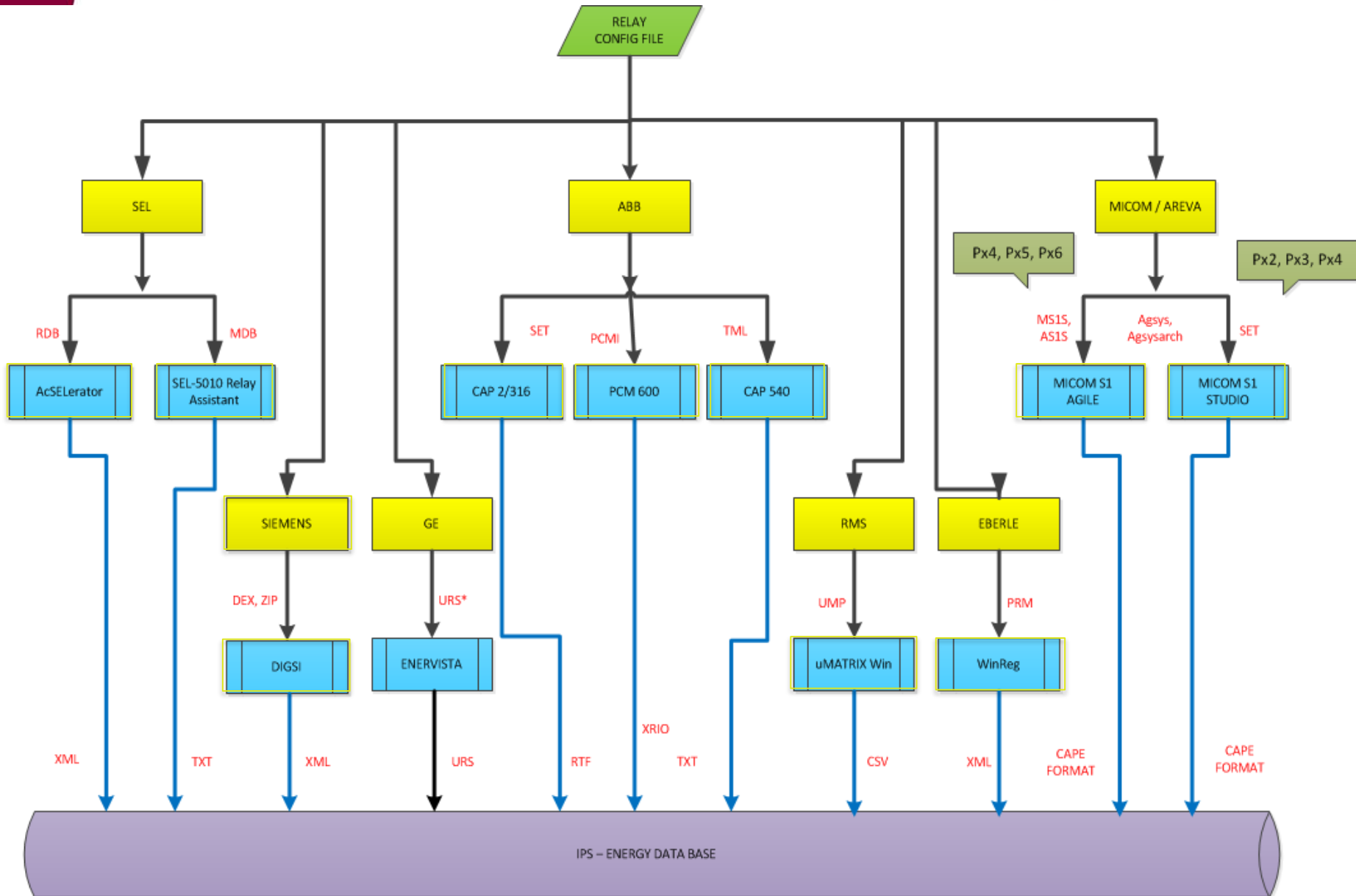
# Common Digital Relay Brands in ElectraNet

> **SEL**

> **ABB**

> **Siemens**

> **GE**

> **Micom**

> **RMS**

> **Eberle**

> **Alsthom**

> **Areva**

* No conversion required

# How to Upload a Converted File?

**Note:**

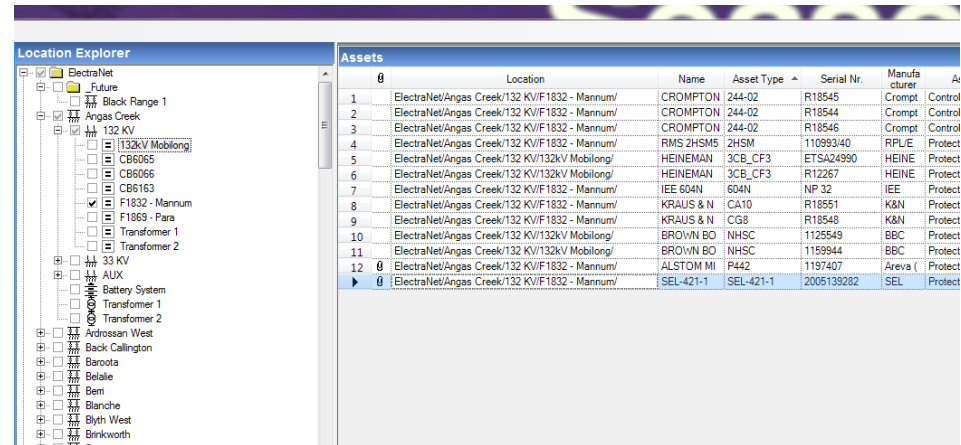**IF YOU ARE WORKING WITH AN <span style="color:red">RSR</span>, SKIP STEPS #1 – #7 AND GO STRAIGHT TO <span style="color:red">STEP #8.</span>**
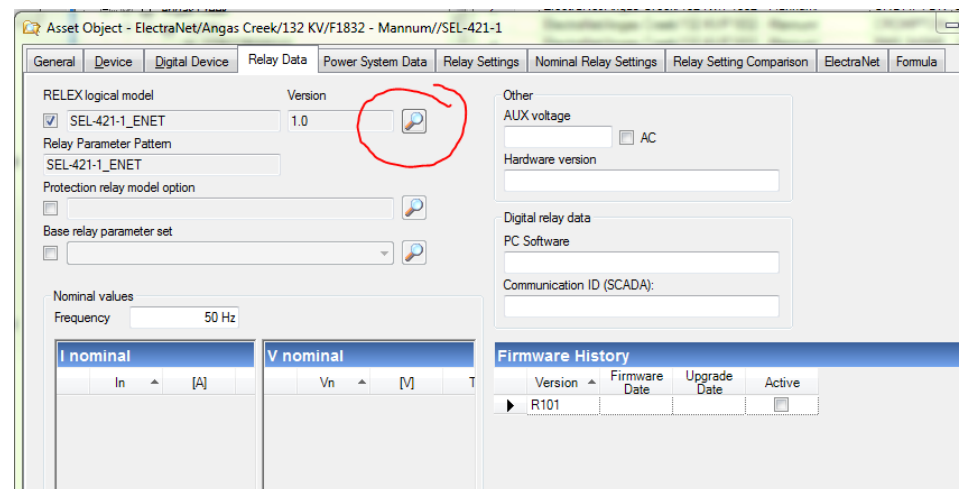
# How to upload a converted file?



**Note: IF YOU ARE WORKING WITH AN RSR, SKIP STEPS #1 – #7 AND GO STRAIGHT TO STEP #8.**

1. Double click the selected asset in the Assets Window in Asset Explorer under Asset Management Module.



2. Select "Relay Data" tab and click "Finder icon" for other versions of setting file, if required.
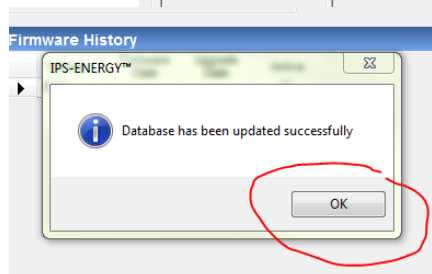
3. Select the Relay Version applicable to your setting file. *(When other version is required, otherwise skip this step)*
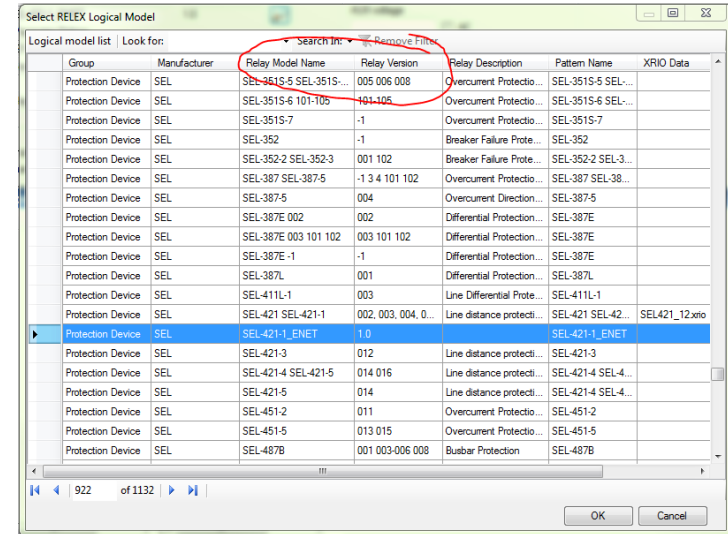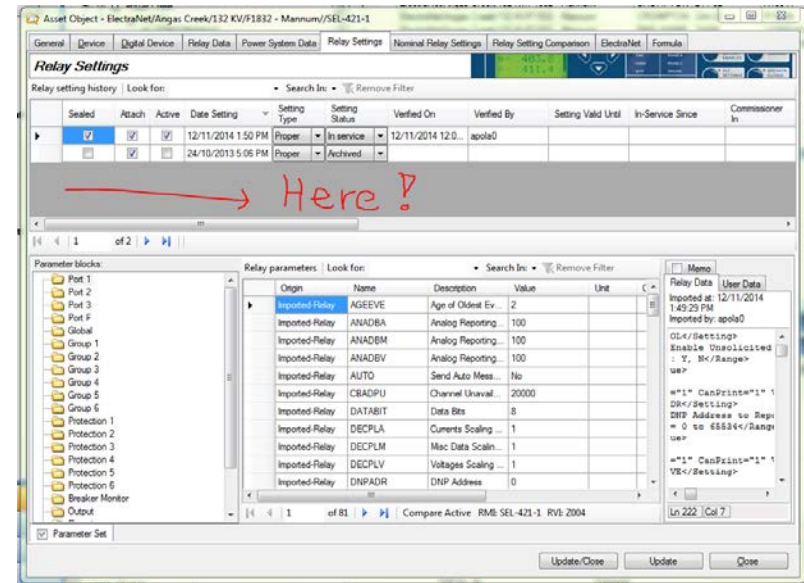
4. Select "Relay Settings" Tab. Do not forgot to click "Yes" to save changes.
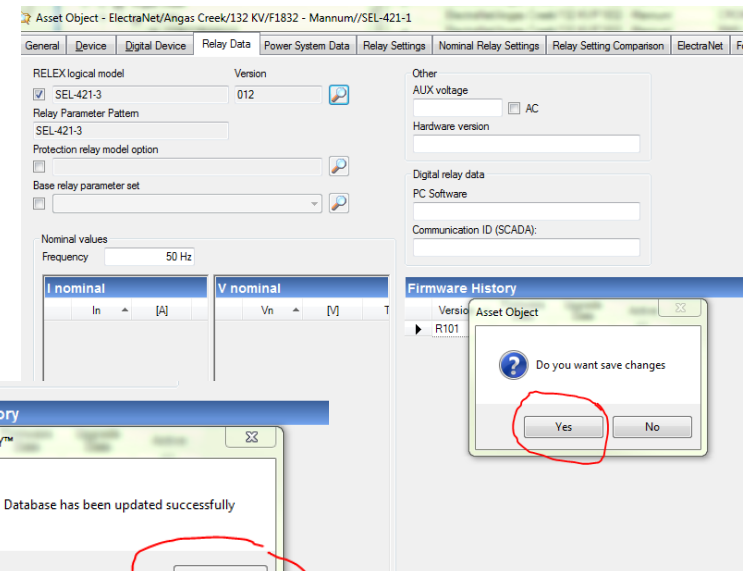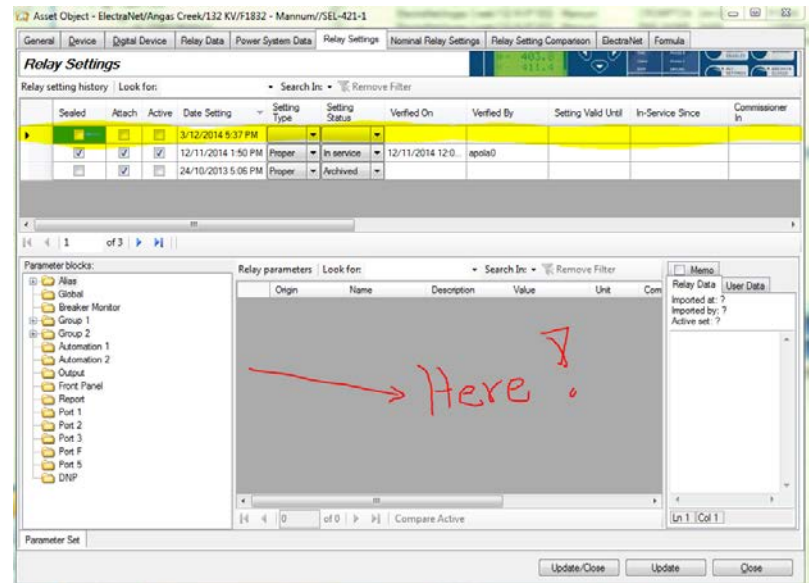
5. Click "Ok" to confirm changes.

6. Under the relay settings history window *Right click* *then select* – "*New*" – "*New Setting*" from the pop-up menu.

7. Click select the new setting row.
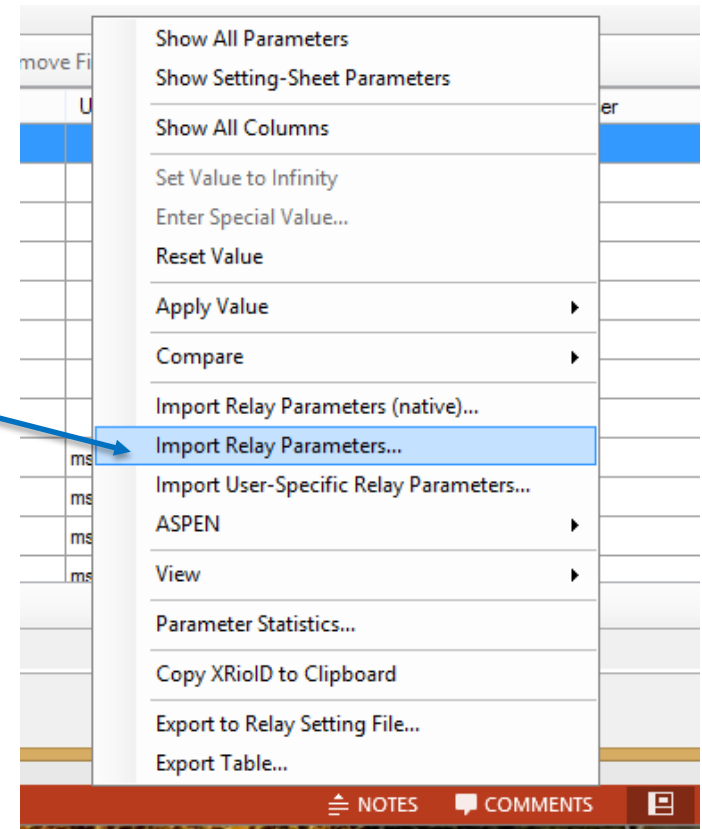
8. **Right click** on the Relay parameters window.

8.1 Select "*Import Relay Parameters*" from the pop-up menu.

**Note:**

It is the $2^{nd}$ *selection* from the Import Action Menu.

**All confirmation about *native file*?**

**answer is : NO**

Show All Parameters
Show Setting-Sheet Parameters
Show All Columns
Set Value to Infinity
Enter Special Value...
Reset Value
Apply Value ▶
Compare ▶
Import Relay Parameters (native)...
Import Relay Parameters...
Import User-Specific Relay Parameters...
ASPEN ▶
View ▶
Parameter Statistics...
Copy XRioID to Clipboard
Export to Relay Setting File...
Export Table...

≜ NOTES  💬 COMMENTS

9. On the pop-up window, **click folder icon** and find select the _converted file_ to be uploaded. IPS should automatically recognise the file.
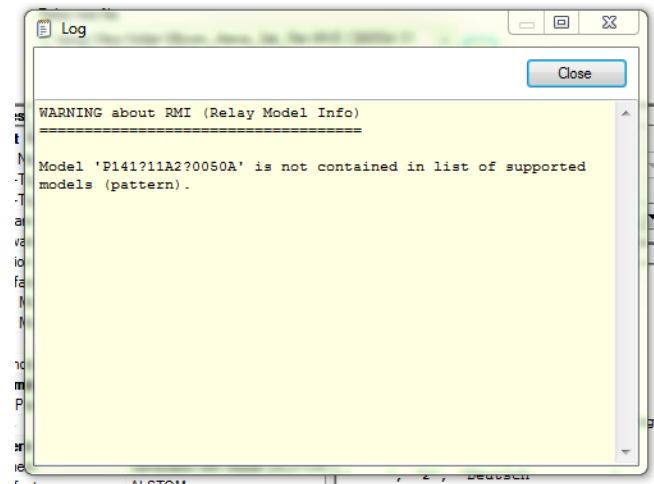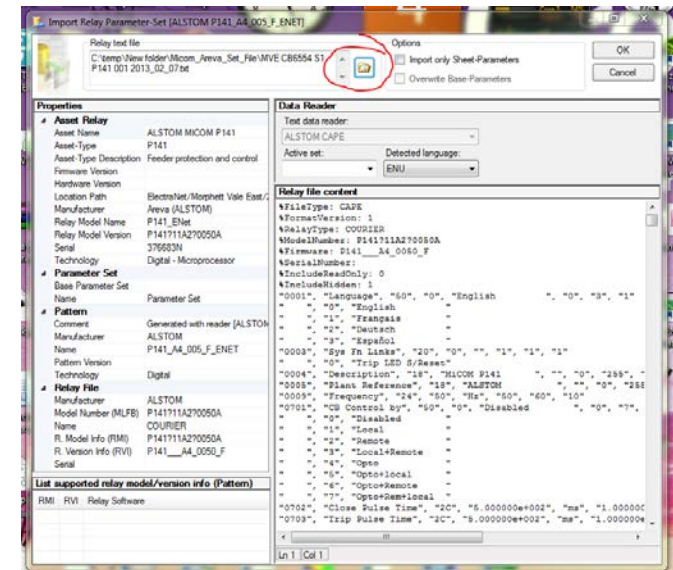
"Native File? – **NO**"

10. No Drama in Step 9? – Click **OK.**

**Remarks:**

If you get the warning notification on the right, THERE IS NOTHING TO WORRY.

It only means that IPS Relay Model database is not up-to-date to include this model type.

**Click "Close" and you are ready to proceed!**

11. Examine the Relay Parameter Statistic window that will pop up.

Visible parameters count should <u>not be ZERO!</u>

> If it is zero, it means that the version of the relay setting is different to that of you are using. Always use the initial file provided by your Authoriser!

> Otherwise, the process of converting the file is wrong. Please review the support videos.

> Else, contact the IPS administrator for quick help.

No dramas? Congratulations! You successfully uploaded the *required file format*. Click **Close**.
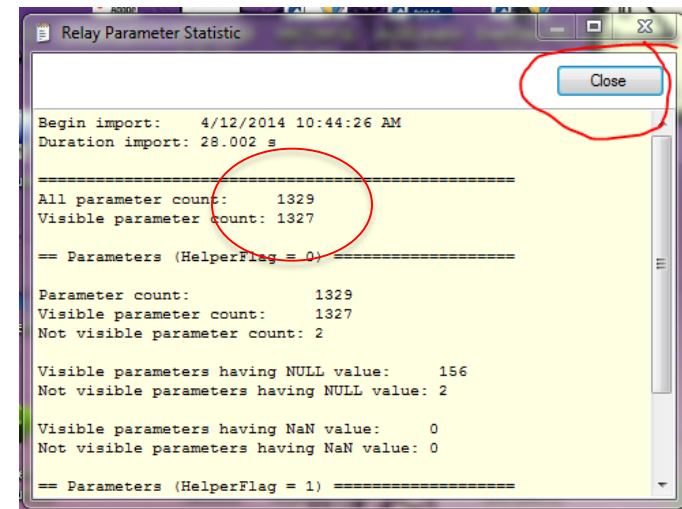
*This has an issue!*

```
Begin import:      10/10/2018 10:08:41 AM
Duration import: 2.766 s


================================================
All parameter count:          2375
Visible parameter count: 0

== Parameters (HelperFlag = 0) ==================

Parameter count:              2375
Visible parameter count:      0
Not visible parameter count: 2375

Visible parameters having NULL value:      0
Not visible parameters having NULL value: 2375
```

This is Ok!

```
Relay Parameter Statistic                            Close

Begin import:      4/12/2014 10:44:26 AM
Duration import: 28.002 s


================================================
All parameter count:      1329
Visible parameter count: 1327

== Parameters (HelperFlag = 0) ==================

Parameter count:              1329
Visible parameter count:      1327
Not visible parameter count: 2

Visible parameters having NULL value:      156
Not visible parameters having NULL value: 2

Visible parameters having NaN value:      0
Not visible parameters having NaN value: 0

== Parameters (HelperFlag = 1) ==================
```

12. Now complete the new setting row by assigning the following:

**a.  Setting Type**:

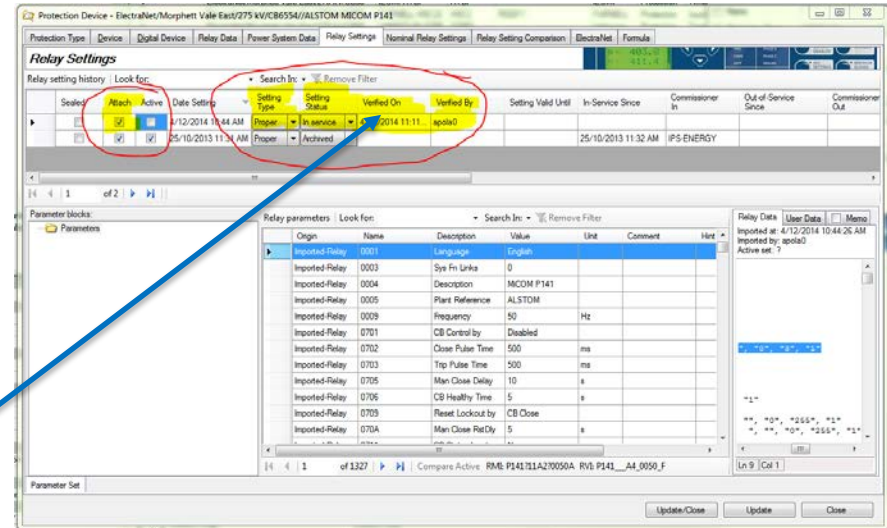    *Provisory* – during relay application

    *Proper* – once setting is approved
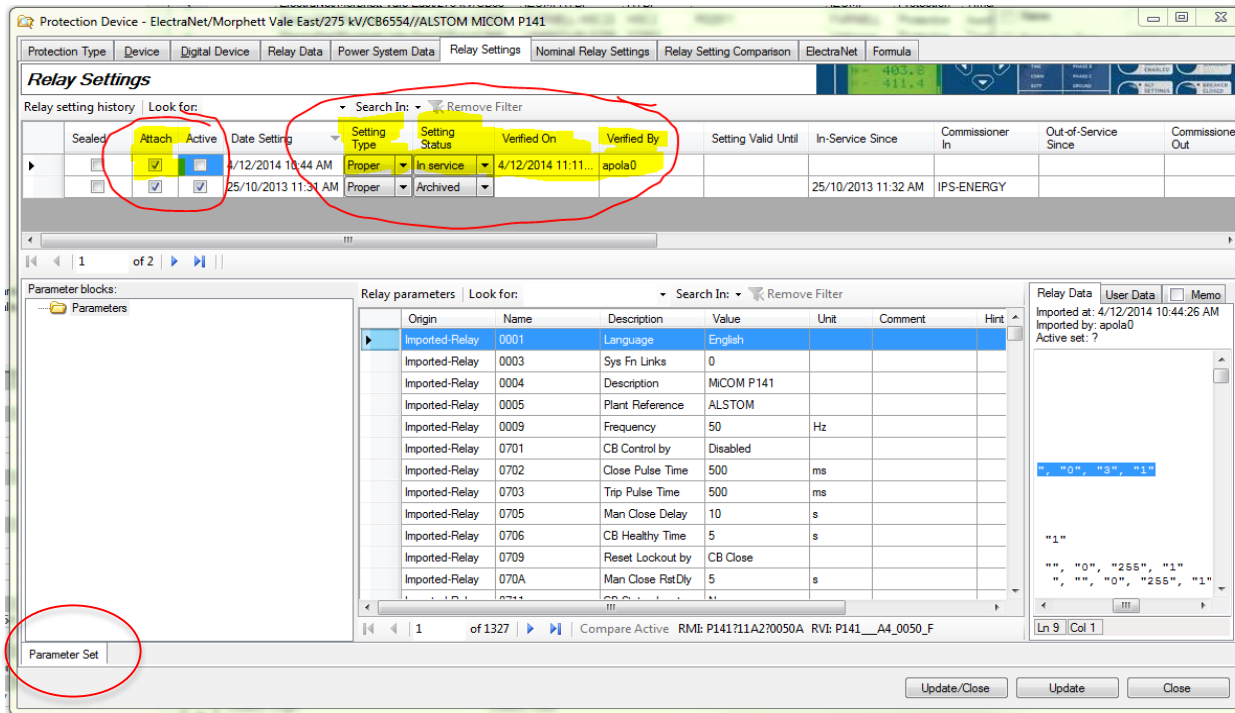
**b**. **Setting Status**:

    *Being Prepared* – before application

    *In Service* – Once applied to the relay

    *Archived* – Setting superseded

13. Right Click on the box below verified on field and

select > Stamp >> Set Verified on to confirm the veracity of new setting revision.

14. Right Click on "Parameter Set" at lower left corner of the screen and rename the "Parameter Set" to **Ver.1, Ver.2, etc.** to identify the new setting revision.

15. Right click on the Setting Row and select **"Attachment.."** to upload copies of the setting file in the **original file type** and the **converted file**. Please rename the files to include the versions.

16. Finally, click "Update/Close" or "Update" to save everything up.

> To show that IPS has successfully updated the database, the confirmation window shall pop up.

> If you find that the saving process is taking longer time and a notification pops up along the way, just hit "OK" and the saving process will continue until the confirmation window is displayed.

> In such case, a network performance may be the issue.
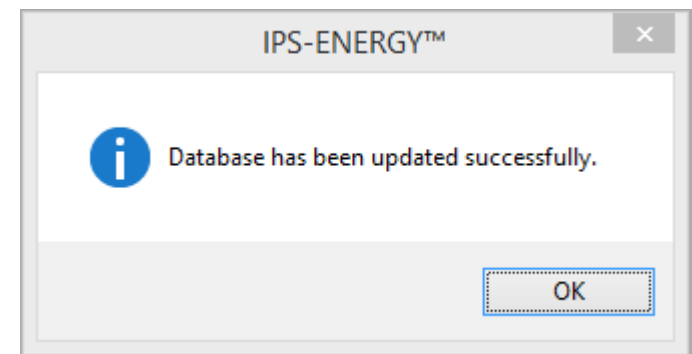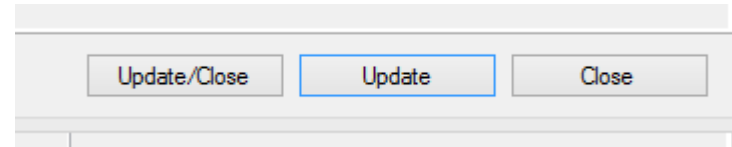
# Questions?

*We are more than happy to help…* ☺
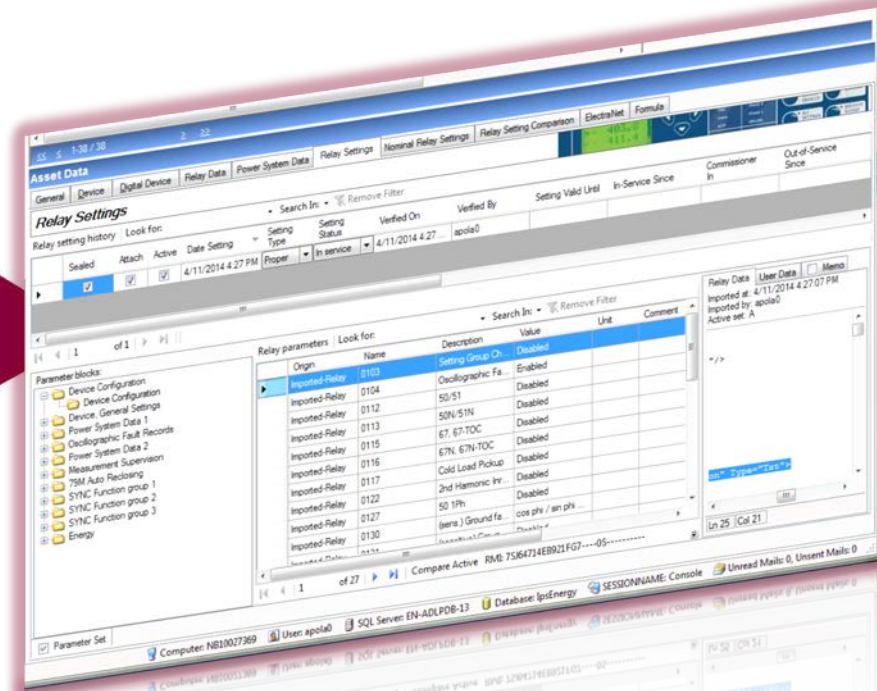
# Thank you

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