

PayFast



PNPSCADA

PayU



1. Sign up



2. Setup Payment details



3. Make payment to recharge

COURSE 122

Accountant Role:
**Setting up Prepaid Facilities,
Ledgers and Connectors**



The NEXT Generation AMR

Gives you the power to configure your own AMR, via an easy to use Web interface



Plug and Play
SCADA

Previous Course Requirements:

- 102 - Technician - Installation of Meters
- 120 - Accountant - Configuring Tariffs, Time of Use Calendars and Meter Accounts
- 121 - Accountant - Checking, Running and Exporting Bills
- 131 - Admin - Configuring Custom Accounts and Permissions

Advisable: Elster PMU training, specifically to be able to use PMU to switch an AS230 on and off with an optical eye from a laptop, in other words not through the modem.

Once you are done with this Course, you should be able to:

- Configure a Breaker/Connector
- Create a Ledger
- Setup a Prepaid Facility
- Create a minimalistic Role and Login for viewing prepaid balance only.
- Setup SMS notifications to Clients when their balance run low.



PNPSCADA

The NEXT Generation AMR

Gives you the power to configure your own
AMR, via an easy to use Web interface



Plug and Play
SCADA

Introduction:

- A Prepaid Facility is the logic that lets the meter behave as a prepaid meter.
- In order to create a Prepaid Facility, we need a:
 - * Meter
 - * Breaker/Connector
 - * Meter Account
 - * Tariff (prepaid) for that Meter Account
 - * Ledger





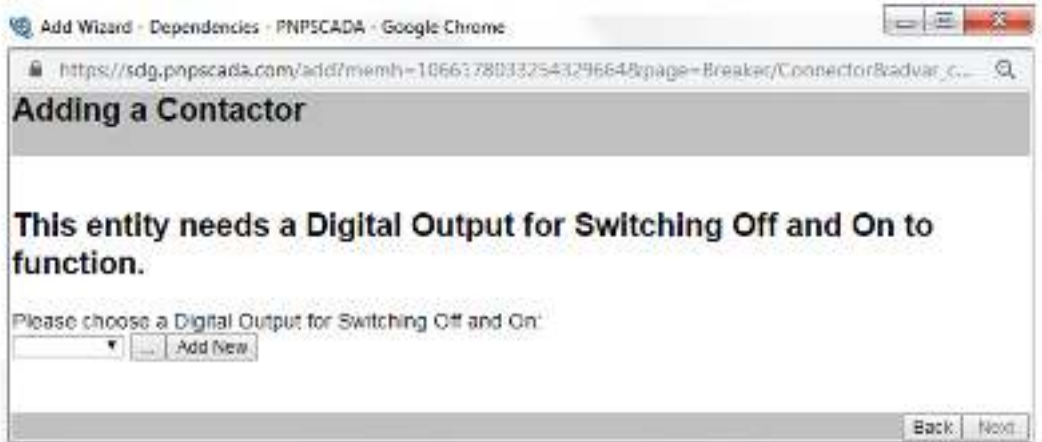
MODULE 1: Configure a Breaker / Connector



- A breaker/connector in PnPScada allows us to connect or disconnect lines.
- A contactor is a type of breaker/ connector and an Elster AS230 has such a contactor.
- For this we will need a AS230 that is already setup on your account. (see Course 102)
- Log in to Plug and Play Scada.
- Note the Serial Number of the meter you want to add a contactor to.
- Add a Breaker/Connector Entity
- Choose a Contactor
- Select the meter that you want to add a contactor to, by using the serial number



MODULE 1: Configure a Breaker / Connector



- Provide a proper name (Usually the same name as the meter)
- Click Finish

NOTES:



MODULE 1: Configure a Breaker/Connector

EXERCISE

Assignment:

- ❖ Add an Elster AS230 and with a contactor.
- ❖ Give the AS230 and the contactor the name “Melrose Arch Flat 1”.
- ❖ Call the Lecturer if you have any questions, and when you’re done.



MODULE 2: Create a Ledger

A Ledger stores all monetary transactions.

Add a Prepaid Entity

Adding a Prepaid Facility

This entity needs a Ledger (Admin) to function.

Please choose a Ledger (Admin):

- Choose Ledger
- Enter the ledger name (usually the same name as the meter account)
- You will need to specify an opening balance.

Note: if the Ledger's balance is R0.00, the Prepaid Facility will immediately open the connector once it is created.

- Bills will be calculated from the opening date for the Ledger.

Adding a Ledger

Ledger Name:

Opening Balance:

Opening Date:

Remember to switch on "Always smooth out Provisional Bills in the same way as for Prepaid" for the Meter Account that is linked with this Ledger. If this ledger is linked to a Meter Account with demand then the opening date should preferably be from the start of the month.



MODULE 2: Create a Ledger

EXERCISE

Assignment:

- ❖ Add a Ledger to the system with the name “Melrose Arch Flat 1”.
- ❖ Let the Open Date be the start of the next month.
- ❖ Call the Lecturer if you have any questions, and when you’re done.



MODULE 3: Setup a Prepaid Facility

- Every time a meter is read, the Prepaid Facility will automatically calculate the bill from the meter's consumption, and then switch the Breaker/Connector accordingly.
- For this we will need a:
 - Meter account with the prepaid tariff already selected
 - Ledger with an opening balance of more that R0.00 (unless you want the facility to switch off immediately)
 - Breaker/Connector
- Add a Prepaid Entity
- Choose Prepaid Facility > Select the appropriate Ledger.



MODULE 3:

Setup a Prepaid Facility

- Select the meter account
- Select the Breaker/Connector that will be switched off
- A meter account may be paying towards multiple meters (e.g. a flat's own meter as well as common area lights at the swimming pool). However, the prepaid facility will only open the Breaker/Connector that is directly linked to the Prepaid Facility. i.e. only one (specified) breaker will be switched.



- Make sure all information is correct
- Click Finish
- The Prepaid Facility will be added with the meter number of the breaker in its name.



MODULE 3: Setup a Prepaid Facility

EXERCISE

Assignment:

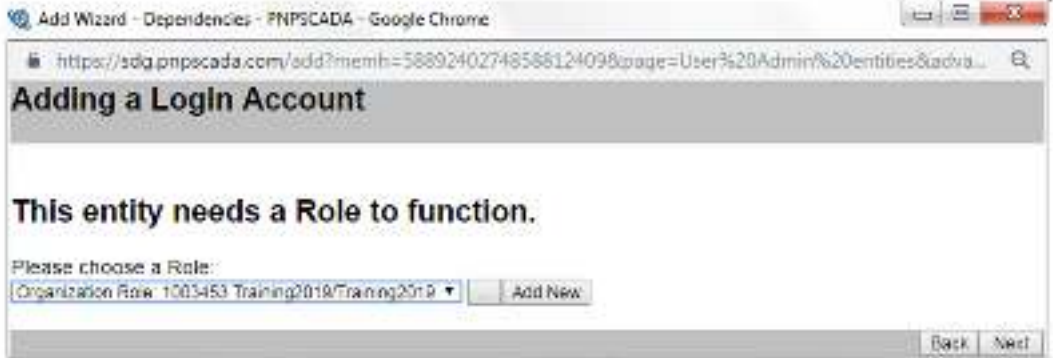
- ❖ Discuss how a fixed tariff line item will impact the prepaid account.
- ❖ Discuss how multiple meters in the Meter Account will effect the Breaker/Contactor switching.
- ❖ Make sure there is a Meter Account for the AS230 in module 1 with an appropriate Prepaid Tariff.
- ❖ Create a Prepaid Facility and link up:
 - ❖ the AS230's contactor that you created in module 1
 - ❖ the Meter Account for this meter
 - ❖ the Ledger in module 2
- ❖ Call the Lecturer if you have any questions, and when you're done.



MODULE 4:

Create a minimalistic Role and Login for viewing prepaid balance only

- At some point the person paying for the prepaid account will want to know their balance. For this reason we almost always create a login with every prepaid account.
- Add a User Admin Entity ► Select Login Account
- Under "This entity needs a Role to function" click "Add New"
- Select your organization



- Click Next
- Enter the Role Description as the Meter Account name

NOTES:



MODULE 4:

Create a minimalistic Role and Login for viewing prepaid balance only

- Select “Specify which Types of Entities may be Added”
- Do not select any entities to add, as the login do not require any adding of entities
- Select “Specify which Entity Interfaces may be Accessed”
- Select only “Ledger”
- Select “Specify which Entities may be Accessed”
- Do not select any entities to access (we will select the correct entity later)
- Click Finish
- Continuing on the previous “Add Login Wizard”, click on Next



MODULE 4:

Create a minimalistic Role and Login for viewing prepaid balance only



- Click Finish
- Back at the Overview Screen, select the Role you just created

Overview

Dependencies

User Admin entities

Organization

id:1001918

Name:Training2019

Selected Entity

User Admin entities

Organization Role

id:1003592

Role/Organization: Courtney Flat 1/Training2019

[unselect entity](#)

[remove entity](#)

NOTES:



MODULE 4:

Create a minimalistic Role and Login for viewing prepaid balance only

- Click Finish
- Back at the Overview Screen, select the Role you just created



- Click "Add" and select the Ledger that you want the user to view.
- Under Custom Menu select "Prepaid Menu"
- Click Update
- Logout and login as the user you just created



MODULE 4:

Create a minimalistic Role and Login for viewing prepaid balance only

- You should see the Ledger view dates default to the last 5 weeks.
Select the Ledger
Go to Edit > Ledger Events
- Set the Low Limit and the Low Low Limit in Rands.
- Submit Query
- Your limits are now set.
- Make sure that the Role for the customer has the correct CommunitySMS login details set up.
- Make sure that the Role or Login for the customer has the Ledger notifications enabled in his Edit > Role Notifications screen or his Edit > Login Notifications screen.

Please note that the notification check box must first be set, and submitted, and then when it is on, the SMS check box must also be checked and submitted.

Ledger:675:Melbourne Court Flat 1

Enable Low Limit?

Low Notification Limit: R

Enable Low Low Limit?

Low Low Notification Limit: R

Tax applies?

Ledger Disabled?

Invoice mode:



MODULE 4:

Create a minimalistic Role and Login for viewing prepaid balance only

EXERCISE

Assignment:

- ❖ Create A Login for the Prepaid Facility that you created in module 3.
- ❖ You should not be able to do anything on the system but view a list of your transactions.
- ❖ Call the Lecturer if you have any questions, and when you're done.