



G3 communication is used to monitor and to readout meters via power line. Participants will learn how G3 and the underlying OFDM protocol work. In this course physical and MAC layer are explained in details.

Next is shown how a new meter is integrated in a network, registered at a DC and how the G3 network behaves in case of communication issues. The practical part will cover connecting to the DC450 via a web service and various exercises will help the participant to understand how to analyze and solve service interruptions.

Participants are familiar with basic PLC technology, have a good system overview and know all relevant G3 functions. They are able to plan a G3 rollout and know how to identify and solve some G3 issues. The participants are also capable to execute basic network optimizations.

Target group Customers interested to know how a G3 system works. They either have to plan a rollout phase or are responsible for the clean-up phase or the maintenance of a G3 project.

Requirements Participants are familiar with the concepts and elements of an AMM system, a central station, functions of a typical utility, the jargon of metering, measurement techniques and main functionality of an electrical meter. Basic knowledge on GPRS and Ethernet communication technologies are also required.

Content

- G3 Basics
 - Basics G3 and OFDM, Physical Layer, MAC Layer
- G3-PLC Joining Prozess (Attach / Detach from G3 network)
 - G3 protocol overview, Network Joining Process, exiting PAN
- Routing and Neighbourhood Tables
 - Terms, Neighbourhood Tables, LOADng Routing, other functionalities
- DC450 WebUI G3
 - Introduction, G3 Configuration, Diagnostics, Maintenance

Kursdauer 1 day

Trainingsdokumentation G3 Training Documentation

Weitere Informationen

Bescheinigung Attendance Certificate handed out at end of training

Weiterführende Trainings DC450
Gridstream HES Basic Course
Gridstream AIM Basic Courses