

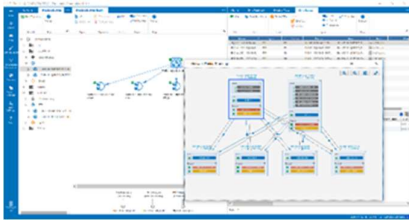
INSTALLING & OPERATING the OSA 54xx Family; Using Ensemble SyncDirector

4.5 days *remote* or *classroom* technical training



The OSA 54XX Series is a family of compact and cost-effective synchronization distribution and assurance devices that bring the power of Syncjack™ to any network. Following a toolbox approach, the family members of the OSA 54XX Series can be utilized in a variety of network synchronization applications.

OSA-ACCESS: 5410/11/12/20/21/22; OSA-CORE: 5430/40
OSA-MINI: 5405/5401; Magnetic Cesium Clock: OSA3230B



Ensemble Sync Director is an extension of Ensemble Controller Software for timing delivery management and sync assurance.

Ensemble Controller is an advanced platform for reliable, secure and user-friendly management and surveillance of ADVA FSP and OSA networks, with full FCAPS support.

Objective

This training course introduces the full **OSA 54xx family** and magnetic **Cesium clock OSA3202B** with basic features, using CLI and GUI for provisioning. Students will be introduced to basic synchronization concepts including PTP, NTP and SyncE. Throughout the training we introduce some features of Ensemble SyncDirector - a useful tool which helps to understand OSA system design and protection (5430/40). The last day focuses on using **Ensemble Sync Director** for Management and Monitoring of OSA services.

This class is applicable to different industries (Broadcasting, Power and Enterprise).

Please, note: For installation and administration of Ensemble Controller Software, we offer a separate full Ensemble Controller training.

Contact us for an extended class on synchronization theory.

Please, note: In case of a remote training session GoToTraining application or another remote training tool, e.g. Teams will be used. We will arrange a short test of the tool upfront the training – you will get invited for both – test and training session, if required.

For the practical exercises trainer will hand over keyboard and mouse to one student at a time for e.g. a configuration exercise. This will require the desktop version of GoToTraining Client installed on the student's computer/laptop.

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Please note: recording of the remote training sessions is not permitted.

Benefits & Audience

- Class size: 8 attendants maximum
- Certificate of attendance, ACE exam available on request (separate order)
- Target audience: beginners to Synchronization as well as experienced users who need to get familiar with the OSA 54xx devices, the OSA3230B and Ensemble Sync Director.

Prerequisites

Engineer or technician having a background in telecommunication networks.

Agenda

Theory/Lecture

- Basic introduction to Synchronization
- System overview and comparison of the different OSA 54XX products
- Sync Delivery and Sync Assurance applications (PTP, NTP & SyncJack™)
- Cesium Clock 3230B
- Redundancy Principle on 5430/40
- Introduction to Ensemble Controller Software

Practice/Lab

- Setting up a system and its components
- Implementing DCN
- Setting up PTP, NTP clock
- Using GUI & CLI command line
- Database Backup & Restore
- Software upgrade
- SyncJack™ configuration
- Using Ensemble Sync Director for Management and Monitoring of OSA services

Contact

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Ordering Information

Part Number

7047188001

7047190001

Description

Per Enrollment (Student)

Per course