Optical Cesium Clock 3350 Training

4h remote training
extended to 6h for classroom or customer onsite training
(equipment required)

Our OSA 3350 is the first commercial optical cesium atomic clock specifically designed for ePRC application that require excellent holdover. It enables highly stable synchronization over an extended lifetime. Thanks to its advanced optical cesium technology, it provides much higher accuracy, longer lifetime and a more robust design than legacy magnetic cesium clocks. With an outstanding frequency stability better than ePRC G.811.1 specification, our OSA 3350 enables the deployment of ePRTC solutions, which outperform even the most stringent recommendations.

What's more, complementing satellite-based synchronization solutions with ultra-stable atomic clocks ensures the highest levels of availability. Combined with a highly scalable grandmaster, such as our OSA 5430 or 5440 series, our OSA 3350 enables a market-leading G.8272.1-compliant ePRTC solution with improved holdover, resolving GNSS dependency for 4G and 5G networks.

The Optical Cesium Clock 3350 can be managed by Ensemble Controller Software. 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 and Level

This training course introduces the Optical Cesium 3350 with basic features, using CLI and GUI for provisioning. Students will be introduced to basic knowledge on Optical Cesium technology and ePRTC concept. It includes explanation on setup, operation and maintenance.

Level: Introductory

Note: Installation, administration and usage of Ensemble Controller Software is not part of this training.

Please, contact us for an extended class on synchronization theory (1-2 days).

Please note: in case the training will be run as a remote training, it will be provided using GoToTraining or similar application (e.g. Teams) – we will arrange a short test of the tool upfront the training – you will get invited for both – test and training session.

For the practical exercises trainer will hand over keyboard and mouse to one student at a time for e.g. a configuration exercise. In case of GoToTraining this requires the desktop version on the student's computer.

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

Audience and Benefits

- The class is aimed for users of Optical Cesium Clock OSA 3350; typical audience: telecom operator, Time as a Service (TaaS) and power utilities
- Certificate of attendance, no exam
- Small groups, 8 attendants maximum

Agenda	THEORY	PRACTICE
Start: 9am Lunch Break: 12am – 1pm	• Basic introduction to Optical Cesium Theory • System overview of OSA 3350 • Basic concept of ePRTC	• Working on an already set-up system (if remote) • Setting up equipment (if classroom) • Show/implement DCN • Using GUI (CMSW Control Management Software) & CLI command line • Software upgrade

Pre-requisites

Engineer or technician having a background on synchronization (time and frequency).

Contact

Training: training@adva.com

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Part Number	Part Description
7081313001	Per Student
7081312001	Per Class
n.a.	Per Trainer day