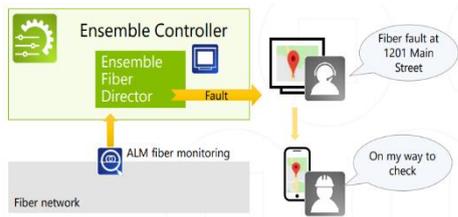# Using Ensemble Fiber Director with Ensemble Controller

1 day (*remote or classroom*) technical training

GIS-based, real-time physical fiber monitoring and fault isolation: The Ensemble Fiber Director (a component of the Ensemble Controller suite), is designed to pinpoint the precise location of fiber faults or anomalies and direct repair crews quickly to the street address or GIS location of the event. Ensemble Fiber Director utilizes real-time data from our ALM, enhanced by correlation to the actual location of connectors, and splices in the network for the most precise fault localization.

Objective & Level

This training course explains in detail the components of ADVA's **Ensemble Fiber Director** solution. Students will learn how to use **Ensemble Fiber Director** together with **Ensemble Fiber Editor** and Ensemble Controller (starting with Rel 13.1 of ENC). Training includes installation of **Ensemble Fiber Editor** and installation of **Ensemble Fiber Director** (requires *Docker** installed as prerequisite, *Docker* installation is not part of this user focused training. **Docker is 3rd party software*.)

Note: Installation and Administration of Ensemble Controller Software is not part of this training.

Level: Introductory

Recommendation:
Combine this training with a 1 day training on ALM as this class requires knowledge of ALM.

In case of a remote training, please, note:

The training will be provided using GoToTraining application or other tool – we will arrange a short test of the tool upfront the training – you will get invited for both – test and training session. For practical exercises trainer will hand over keyboard and mouse to one student at a time, for e.g. a configuration exercise. For the hand over the student needs to have the GoToTraining Client installed on his computer.

Note: Recording the remote training session is not permitted.

Audience and Benefits

o   The class is aimed for customers ideally familiar with ADVA ALM product and Ensemble Controller (ENC) software (e.g. NOC teams, planning/fiber documentation)
o   Goal is to learn how to install and operate the Ensemble Fiber Director solution including Ensemble Fiber Editor
o   Small group, 8 attendants maximum
o   Certificate of attendance, no exam
o   Training material will be provided in electronic format only

Agenda	THEORY	PRACTICE

9am – 4pm incl. 1h Lunch Break	• Introducing System Architecture
	   o Ensemble Fiber Director
	   o Ensemble Fiber Editor
	   o Using Ensemble Controller with Ensemble Fiber Director
	• Short introduction to ADVA Licensing
	• Use Cases e.g.
	   o Creating Fiber Plants
	   o Importing Fiber Plants
	   o Monitoring Fiber Routes with ALM
	   o Simulating Fiber Faults
		• Installing Ensemble Fiber Director (server) and Ensemble Fiber Editor (editor client)
		• Managing physical fiber plant entries in Ensemble Fiber Director database (e.g. duct, access points, fiber, buildings, routes etc.)
		   o Using ADVA templates for Network documentation tasks
		   o Creating cable templates with *Cable Manager*
		• Importing KML/KMZ files as external files for trajectories
		• Database management of Ensemble Fiber Director (not part of ENC)
		   o Password management
		   o Using *pgadmin*
		• Troubleshooting exercises

Pre-requisites

o Familiar with ALM; Familiar with Ensemble Controller (ENC) basics.
o We recommend students to install and use non-ADVA software *pgadmin* as a tool for postgreSQL database administration (or any other suitable tool).
o For *classroom trainings*: we expect students to have ENC Client (min Rel. 13.1), Ensemble Fiber Editor (EFE) and Cable Manager installed on the student's laptop for practical exercises. Get your software from ADVA Customer Portal.

Contact

Training: training@adva.com

Part Number	Part Description
7078879001	Per Student
7078878001	Per Class
n.a.	Per Trainer day