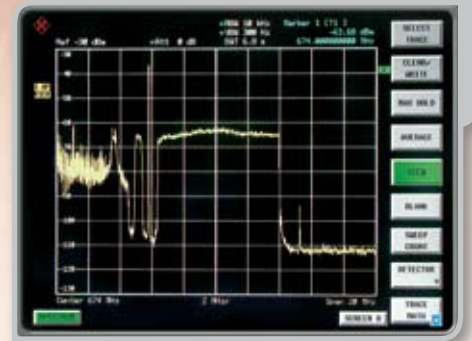




Who should attend?

This training course is dedicated to TEAMCAST customers and partners who wish to develop expertise on the **GFX Repeater Engine**. It is highly recommended for new GFX purchasers as an excellent preparation for integrating and rolling-out Gap-filler products. The course is suitable for system engineers, application engineers and technical support engineers from the Transmitter Manufacturing and System Integration industries.



Course objectives

This training course aims at providing all the basic theoretical and practical knowledge required to operate the GFX. Implementing a Gap-Filler in a network is complex and requires a deep understanding of digital transmission, echo cancelling and coupling reduction issues. TEAMCAST trainers will explain how **to set-up and to optimize the Gap-Filler process** for your specific coverage applications. Different configuration parameters will be described in detail **to accelerate and to optimize your system integration**. Typical measurement processes and evaluation methods will be covered, so you can demonstrate added-value service to your end-customers.



Trainer

TEAMCAST training course is led by a technical expert, who is a member of the TEAMCAST customer service team. This gives the opportunity to collect rich information about **practical experience** related to TEAMCAST products in real operating conditions.

Duration

This training course usually takes place over 2 days.

Number of attendee(s)

Not restricted. For practical reasons, a maximum of 10 people is recommended.

Organization

The training session can be located at your own site or at TEAMCAST's Laboratories. Ideally the course uses the GFX material purchased by the customer for familiarisation purposes. Nevertheless, the TEAMCAST trainer also uses **a complete GFX demo installation** to facilitate the training organization and to provide a reference set-up.

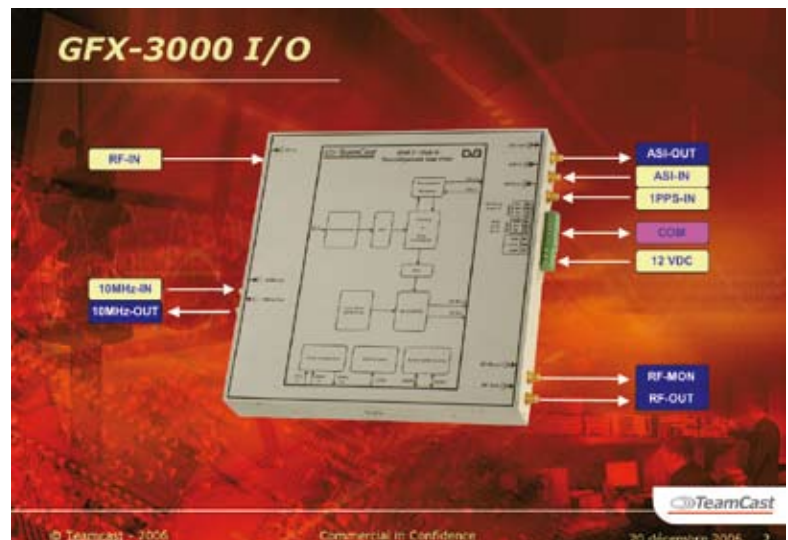
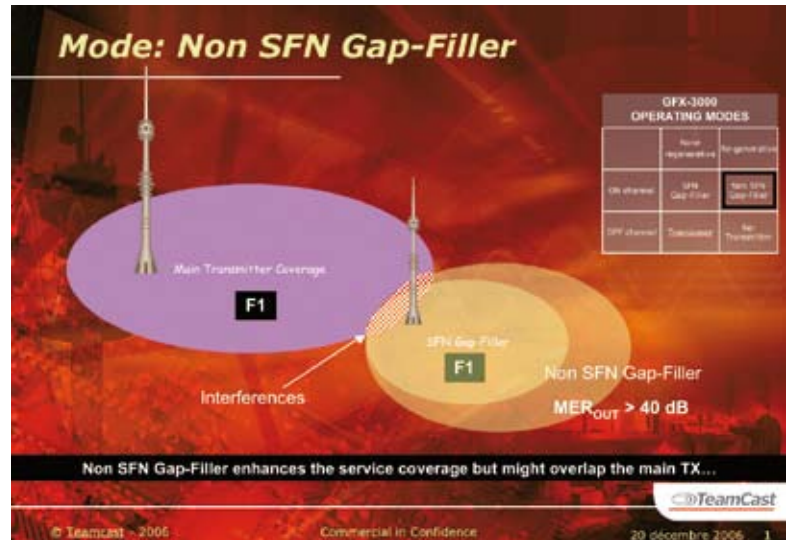
TRAINING COURSE

GFX Repeater Engine

Course content

- **1 - GFX product overview**
 - a. Needs for Gap-Filler and repeater
 - b. Gap-Filler definition
 - c. Gap-Filler specification
 - d. Operation modes
 - e. Technical challenges overview
- **2 - GFX Technical challenges**
 - a. Digital transmission principles
 - b. Channel perturbations (noise/echo/Doppler)
 - c. Received and retransmitted signals
 - d. Coupling effect
 - e. Echo cancelling principles
 - f. Signal rejection method
- **3 - GFX operating**
 - a. GFX functional overview
 - b. GFX operating modes
 - c. GFX basic configurations
 - d. How to optimize GFX configuration
 - e. Measurement methodology for Gap-Filler
 - f. Recommendation for GFX integration
- **4 - GFX 1st level of maintenance**
 - a. GFX operating limits
 - b. Errors and status of GFX
 - c. Checking input and output signal
 - d. Basic maintenance operations
 - e. Upgrade and RMA procedures
- **5 - Practise on GFX**

Under supervision of TeamCast Trainer



Prices & Conditions

- **On site training course:**
 - 2 day training course (unlimited number of trainees): **To be defined with TeamCast Sales department**
 - Excluding travel and accommodation costs
 - Price includes demo materials and training documentation
- **TEAMCAST in-house training**
 - **A price for trainee will be quoted** for the complete 2 day session. A minimal of two trainees per session is required.
 - Price covers demo materials, training documentation, lunch and coffee breaks.
 - Participants are responsible for their own travel and accommodation costs.

For any interest or additional information, please contact info@teamcast.com



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