

TRAINING COURSE

Get ready for DTMB !

Who should attend?

This training course is dedicated to TEAMCAST customers and partners who are willing to get knowledge about **DTMB (Chinese terrestrial DTV standard)** and to develop expertise the usage and integration of TEAMCAST based DMB-T solution. This course is highly recommended especially for new partners or new customers as an excellent preparation **to integrate the DTMB modulator**.

Course objectives

This training course aims at providing basic theoretical and practical knowledge required to integrate TEAMCAST modulator within DTV transmitter.

At first, basic understanding of the core technologies involved in DTMB standard is provided. The trainer will in particular focus on introducing **Single Frequency Network (SFN)** principles, implementation, setting-up and operating.

Second of all, the course covers integration issues of the modulator: output signal characterization and measurements, linear and non-linear pre-correction adjustment, synchronization mechanisms, etc. This part shall lead the transmitter manufacturer to get the best integration of the DTMB modulator/exciter and therefore to launch faster its own product range.

Finally, the training course also gives key information to understand and **to optimize the transmitter set-up** and management in both **MFN and SFN operating modes**. The attendees will learn about how to install, set-up and to maintain TEAMCAST DTMB modulator.



Trainer

TEAMCAST training course is led by a technical expert, member of the TEAMCAST customer service. This gives the opportunity to collect rich information about **practical experience** related to TEAMCAST products and environment.

Duration

This training course usually takes place over **2 days**.

Number of attendee(s)

Not restricted. For practical reason, a maximum of 5 people is recommended.

Organization

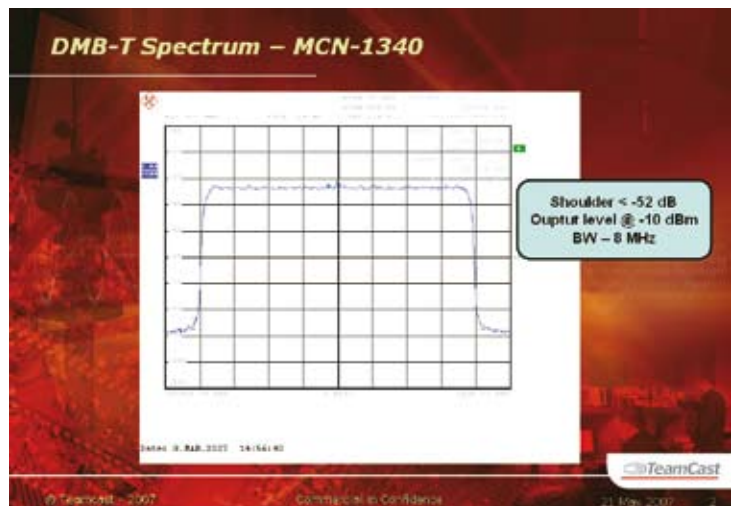
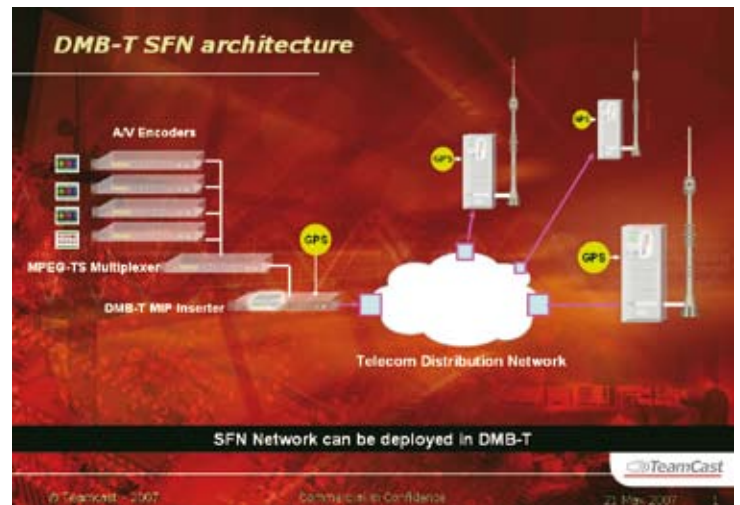
The training session can be located at your own site or at TEAMCAST. It shall be ideally done at the transmitter manufacturer site in order to run the practice directly on the DTV transmitter.

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Course content

- **1 - DTMB basic understanding**
 - a. Initial requirements and targeted applications
 - b. Generic architecture
 - c. Modulator functional overview
 - d. DTMB framing structure
 - e. DTMB digital modulation
 - f. DTMB operating modes
 - g. SFN principles and implementation
- **2 - TEAMCAST DMB-T product range**
 - a. Modulator product range
 - b. MIP Inserter
 - c. Gap-filler
 - d. DTMB end-to-end system architecture (MFN & SFN)
- **3 - Modulator integration**
 - a. Output signal characterization
 - b. DTMB signal measurements method
 - c. Linear and non-linear pre-correction set-up
 - d. Synchronization issues
 - e. Configuration for SFN operating (with MIP Inserter)
 - f. Control protocol
- **4 - 1st level of maintenance**
 - a. Modulator operating limits
 - b. Errors and status
 - c. Checking input and output signals
 - d. Basic maintenance operations
 - e. Upgrade and RMA procedures
- **5 - Practical exercises**



Prices & Conditions (indicative)

- **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 covers demo materials and training documentation
- **TEAMCAST in-house training**
 - **A price for trainee will be quoted** for the complete 2 day session, including lunch. A minimal of two trainees shall be respected.
 - 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



Web: www.teamcast.com
Contact: info@teamcast.com

Centre Alphasis
Espace Performance
35769 Saint-Grégoire Cedex - France
Tel +33 (0) 2 23 25 26 80
Fax +33 (0) 2 23 25 26 85

The Burnham Center, Suite 1865
111 West Washington Street
Chicago, IL 60602 - USA
Tel: +1 312 263 0033
Fax: +1 312 263 1133