

Who should attend?

This training course is especially designed for clients interested in learning more about the new generation of Hybrid Mobile TV networks based on DVB-SH technology. It is a great opportunity for staff within organisations in the Digital TV ecosystem - such as broadcasters, content providers, network operators, terminal manufacturers and system integrators - to learn more about this promising new market - its technologies and its systems.

Course Objectives

The training course provides a solid theoretical and practical knowledge of DVB-SH, both the standard and the system. It starts with a broad overview of some existing satellite Mobile TV and Radio services, such as S-DMB in Korea, SIRIUS in US, etc., and explains the key advantages of satellite Mobile TV systems. Then DVB-SH technologies are covered, starting with the DVB-SH protocols and layers. A comprehensive explanation of the global transmission chain, from the head-end through terrestrial repeaters down to terminals and handsets, is given. Finally, the course provides more details on the main technical issues, such as OFDM and TDM principles, Single Frequency Network operations and practical implementation solutions.



Trainer

The TEAMCAST training course is led by a technical expert, who is a member of the TEAMCAST Customer Service team. This gives delegates the opportunity to collect valuable information about real **practical experiences** related to Mobile TV and Digital TV environments.

Duration

This training course usually takes place over **1 day**. It can be extended on request.

Number of attendees

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

Organization

The training session can be located at the client's site or at TEAMCAST (Rennes in France or Chicago in US)

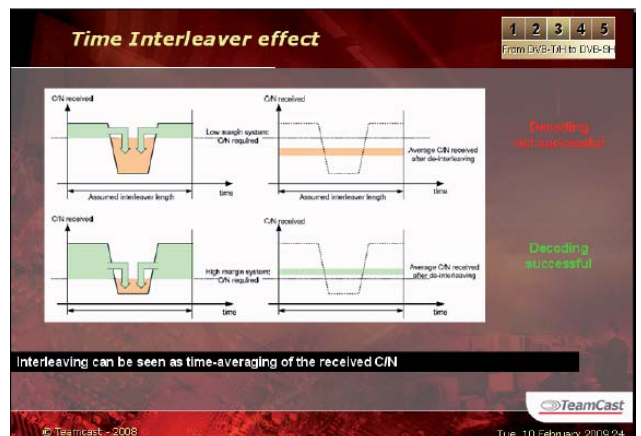
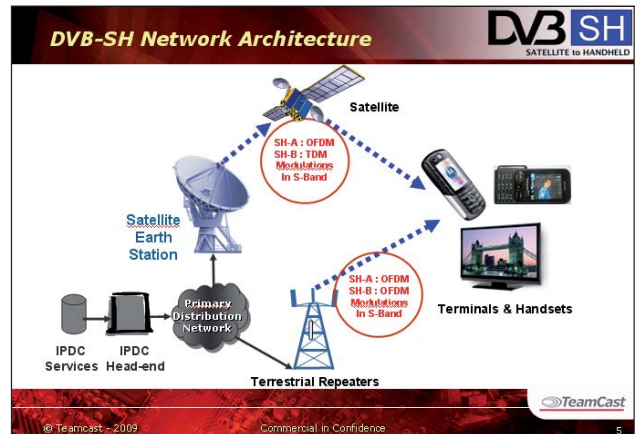
TRAINING

DVB-SH Hybrid Mobile TV Network

Course content

- 1- **Satellite Mobile TV – Markets & Trends**
 - a. Introduction
 - b. Success stories: S-DMB in Korea, Sirius in US, etc.
 - c. DVB-SH history and status
 - d. Opportunity for new multimedia services
 - e. Generic architecture
 - f. Targeted applications
- 2- **Understanding DVB-SH technology**
 - a. From DVB-H to DVB-SH
 - b. DVB-SH Frames
 - c. Channel Coding
 - d. OFDM Modulation
 - e. TDM waveform
 - f. Playing with iFEC
 - g. SH-A and SH-B Terminals
 - h. Transmission performance
- 3- **Satellite DVB-SH System Architectures**
 - a. Overall architecture
 - b. Building Single Frequency Networks
 - c. Synchronisation issues in hybrid network topologies
 - d. Application example: DVB-SH trial network in US
- 4- **Live demonstrations**

'Hands-on' experience with TEAMCAST and partners' hardware



Prices & Conditions

- On site training course:
 - 1 day training course (unlimited number of trainees): please contact Sales department
 - Excluding travel and accommodation costs
 - Price covers demo materials and training documentation
- TEAMCAST in-house training (France, US)
 - Price: please contact TEAMCAST's sales department
 - Price covers demo materials, training documentation, lunch and coffee breaks.
 - Participants are responsible for their own travel and accommodation costs.



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