

Workshop on „Standardization of Cable Networks with Digital-Only Channel Load“

Date: 18th November 2010, 09:00 – 16:30 h
Venue: CEN-CENELEC Meeting Centre, Avenue Marnix 17, 1000 Brussels
Room: Newton B

Introduction

CENELEC Technical Committee TC209 deals with “Cable networks for television signals, sound signals and interactive services” since more than 20 years. It followed during this period all technical developments for cable networks and for equipment and components, by which cable networks are built, and updated its set of European Standards accordingly. The transition from analogue to digital signal transmission in cable networks which started around 15 years ago is up to now the most important challenge for cable network operators, equipment manufacturers, planning and installation companies, ... but also for the standardizing people engaged in this field.

Some times ago TC 209 received during a voting and commenting procedure a proposal from the French National Committee, to consider the necessity and benefit of a new set of standards covering “Cable networks with digital-only channel load”.

Following this proposal TC209 made a decision during its 29th meeting, held in Brussels on 27th May 2010, to start an initiative in this direction by organizing a kick-off workshop and inviting experts from all stakeholders to participate in this workshop as speakers and/or auditors.

Call-for-Papers

Although a tentative programme of the workshop is given overleaf, prepared by TC209 Chairman and Secretary, we would like to start a “Call-for-Papers” encouraging experts to present their experiences with the subject “full digital channel load” during this workshop. We look for short presentations of 10 to 15 minutes duration which allow some 5 to 10 minutes discussions afterwards.

If you would like to give such a short presentation during this workshop, please send the title and a short summary of your proposed presentation to
TC 209 Chairman (d.jaeger@tu-bs.de) and
TC 209 Secretary (TC209@gauger-consult.de).

Invitation and Registration

The participation in this workshop is open to all interested people of the cable network community. Due to the limited capacity of the meeting room, registration for this workshop is mandatory and participation will be confirmed in the order of reception of registrations. Please fill-in the registration form and send it back to the TC209 Secretary asap but not later than **29th October 2010**.

Tentative workshop program

Part I: Welcome and introduction

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|---------------|---|--------------------------------|
| 09:00 – 09:10 | Opening of the Workshop | D. Jaeger,
Chairman TC 209 |
| 09:10 – 09:20 | Introduction of and requirements for the new standardization initiative | E. Gauger,
Secretary TC 209 |
| 09:20 – 09:30 | Work ongoing in ETSI ATTM-AT3 cable | G. White (tbc),
CableLabs |

Part II: Interference generated by digital-only networks

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|---------------|--|----------------------------------|
| 09:30 – 09:50 | Intermodulation in a digital-only environment – a new paradigm | J. de Nijs,
TNO |
| 09:50 – 10:10 | Methods of measurement of non-linearity for full digital channel load - BER und CINR | M. Heisenberg, (tbc)
Kathrein |
| 10:10 – 10:30 | Measurement approaches for 5 th order intermodulation products | F. Mussino
CENELEC TC 209 |
| 10:30 – 10:50 | | N.N. |
| 10:50 – 11:10 | <i>COFFEE break</i> | |

Part III: Experiences from the Cable Operators' experiences and plans

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| 11:10 – 11:30 | Analogue switch-off plans and status – opportunities and challenges | N.N. (tbc)
CAI Westland |
| 11:30 – 11:50 | Canal Digital experiences – problems and open issues | T. Frosland, (tbc)
Canal Digital |
| 11:50 – 12:10 | | N.N., |
| 12:10 – 13:40 | <i>LUNCH break</i> | |

Part IV: Reports on emerging cable technologies

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| 13:40 – 14:00 | DVB-C2 – status and transmission experience | C. Schaaf, (tbc)
Kabel Deutschland |
| 14:00 – 14:20 | CMAP | V. Leisse, (tbc)
J. Cnossen, (tbc)
Cable Europe Labs |
| 14:20 – 14:40 | Impact of GaN amplifiers on the performance of future cable plants | M. Muzalewski, (tbc)
VECTOR |

(tbc) to be confirmed

14:40 – 15:00 Impact of optical systems on performance figures Dr. Weiss, (tbc)
BKtel

15.00 – 15.20 N.N.

15:20 – 15:40 COFFEE

Part V: Plans for future standardization activities

15:40 – 16:20 Discussion

16:20 – 16:30 Summary and outlook TC209 Chairman
TC209 Secretary

Encl.: Registration Form