

## **IETF Sessions available across Europe!**

Throughout the duration of the Internet Engineering Task Force (IETF) in Oslo there will be live audio and video feeds from two simultaneous working group sessions. Each session will be multicast over the Internet in one high-bandwidth 2Mbit/s, and one low-bandwidth 128Kbit/s stream. Anyone with access to multicast sessions may follow the IETF and participate without the need of physical presence.

UNINETT, the Norwegian academic network for research and education, is hosting this year's IETF taking place in Oslo from 12 to 16 July, and is responsible for the transmission of the sessions. Connectivity to other European countries is provided via the TEN-155 pan-European research network. Recent work carried out by DANTE will secure the support of PIM-SM (Protocol Independent Multicast - Sparse Mode) and MBGP (Multiprotocol Border Gateway Protocol) while at the same time providing connectivity to those European national university networks that still use the DVMRP (Distance Vector Multicast Routing Protocol) technology. DANTE achieves this via a gateway between these two multicast technologies which is located in Frankfurt and operated by DANTE.

MBGP multicast transmissions to the United States are provided by NORDUnet, the regional academic research network for the Nordic countries.

All multicast session will be recorded and retransmitted from servers at University of California Santa Barbara during the day (West Coast Time).

TEN-155, the pan-European academic research network is planned, built and managed by DANTE, who organises advanced network services for the European research community.

For detailed information about the IETF and the transmission of sessions, including the transmission schedule see <http://www.uninett.no/ietf45/>

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