



# Video-on-demand for mobile users through IPv6/DVB-T



This demonstrator shows an application for Video-on-Demand distribution using IPv6 over Digital Video Broadcast-Terrestrial (DVB-T) including return channel. DVB-T enables high-quality high-bandwidth transmission of information to both fixed and mobile users at low cost. This makes it a suitable medium for new video applications.

In this example the source video is converted into an IPv6 video stream, modulated into a DVB-T signal and transmitted over the DVB-T antenna. Applying IPv6 Multicast technology enables distribution of the video to a targeted set of users.

For enabling a Video-on-Demand service a terrestrial return channel was implemented, here through a WLAN connection to the Internet. It enables the end user to interact with the video service, e.g. for requesting videos and controlling the service.

