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For Immediate Release

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Broadcast Asia 98: DVB demonstrates DVB-T HDTV and Mobile Television

Singapore, 2nd June 1998 – The DVB Project will be demonstrating its world-leading digital terrestrial television broadcasting (DTTB) system, DVB-T, during Broadcast Asia 98, to be held in Singapore, 2-5 June. The demonstrations will show the capacity of DVB-T to carry High Definition Television (HDTV) and the capacity of DVB-T receivers to receive error-free television transmissions while on the move.

HDTV, with its near-cinematic picture quality and hi-fi surround sound is being widely discussed as the "flagship" application of the digital revolution in television broadcasting. In addition to fully supporting HDTV, DVB systems will bring other, immediate benefits to digital television viewers, including the exciting new possibility to watch television on the move. To demonstrate this unique capability, a bus equipped with a digital television will ply various parts of the island republic during the show.

Owing to its use of the multi-carrier Coded Orthogonal Frequency Division Multiplexing (COFDM) modulation technique, DVB-T is capable of delivering crystal clear television to televisions connected to portable, set-top antennas in hostile reception environments such as city apartments, or even to receivers on the move. In trials held in Germany since 1997, DVB-T has been tested in slow-moving city trams and on the autobahn at speeds in excess of 275km/h.

DVB-T networks will go on the air in the UK and Sweden this autumn, followed shortly by the rest of Europe. A host of other services are already on the air with DVB-T, including data on the move, high-bandwidth Internet over the air and the possibility to introduce terrestrial Pay-TV services.

DVB-T offers significant advantages over other proposed transmission systems. It is the only market-ready standard which supports the indoor set-top antenna (portable) and mobile reception of digital television. It is also the only standard developed internationally by cross-industry cooperation in countries with a variety of different terrestrial broadcasting environments.

These advantages have become readily apparent in extensive trials of the DVB-T COFDM transmission system conducted in several countries in the Asia-Pacific, including Australia, China, and New Zealand. The engineering communities of these countries have given their strong support to DVB-T for their emerging digital terrestrial broadcasting markets.

Background

The Digital Video Broadcasting Project (DVB) is a consortium of over 200 broadcasters, manufacturers, network operators and regulatory bodies in more than 30 countries worldwide, committed to designing a global standard for the delivery of digital television. Numerous broadcast services using DVB standards are now operational, in Europe, North and South America, Africa, Asia, and Australasia.