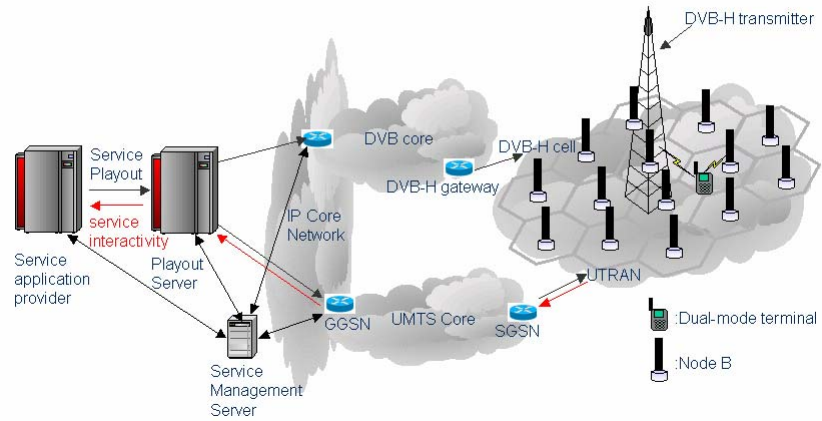

**Project Sketch for
Digital Broadcasting/Mobile Convergence
– Target Country: China**

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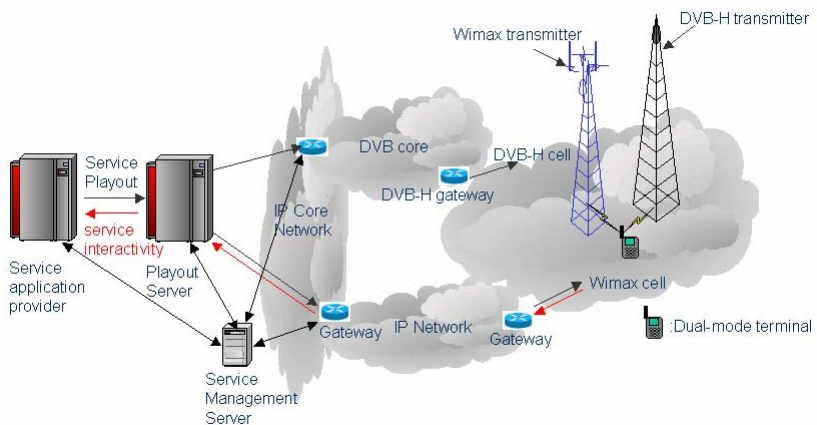
Objectives

- Develop an integrated platform for the delivery of convergent multimodal services
- Collaborating wireless communications and terrestrial broadcast networks
- Suitable for operating in both the Chinese environment and the European environment

Converged DVB-H and UMTS network structure



Converged DVB-H and WiMAX network structure



Pilot Trial in China

- Valuable technology experiences from the deployment of the pilot trial in China;
- The huge population and the lack of spectrum are problems in China - an ideal candidate to easily deploy the convergence networks;
- Transfer the obtained experience to the European mobile and broadcast industry.

Main Aspects

QoS - important network components of the converged network

- The core network (IP) and
- the access network (MPE-FEC based DVB-H)

Middleware Interface

- Development of advanced middleware interface between broadcast and telecom networks in the converged networks
- Easier to be realized in the Chinese environment (standardization more consistent compared with the different European countries)

Mobility - Integration of DVB-H/T in an IPv6 mobile network including

- deployable new mobile access technologies (WiMax, WLAN)
- efficient and secure mobility management

Consortium of a STREP

- **European research labs**
(multimodal integration, mobile internet, broadcast networks)
- **European companies**
(telecom & media)
- **Chinese research labs**
(video coding, digital broadcasting)
- **Chinese media centre**
(Content, broadcasting)