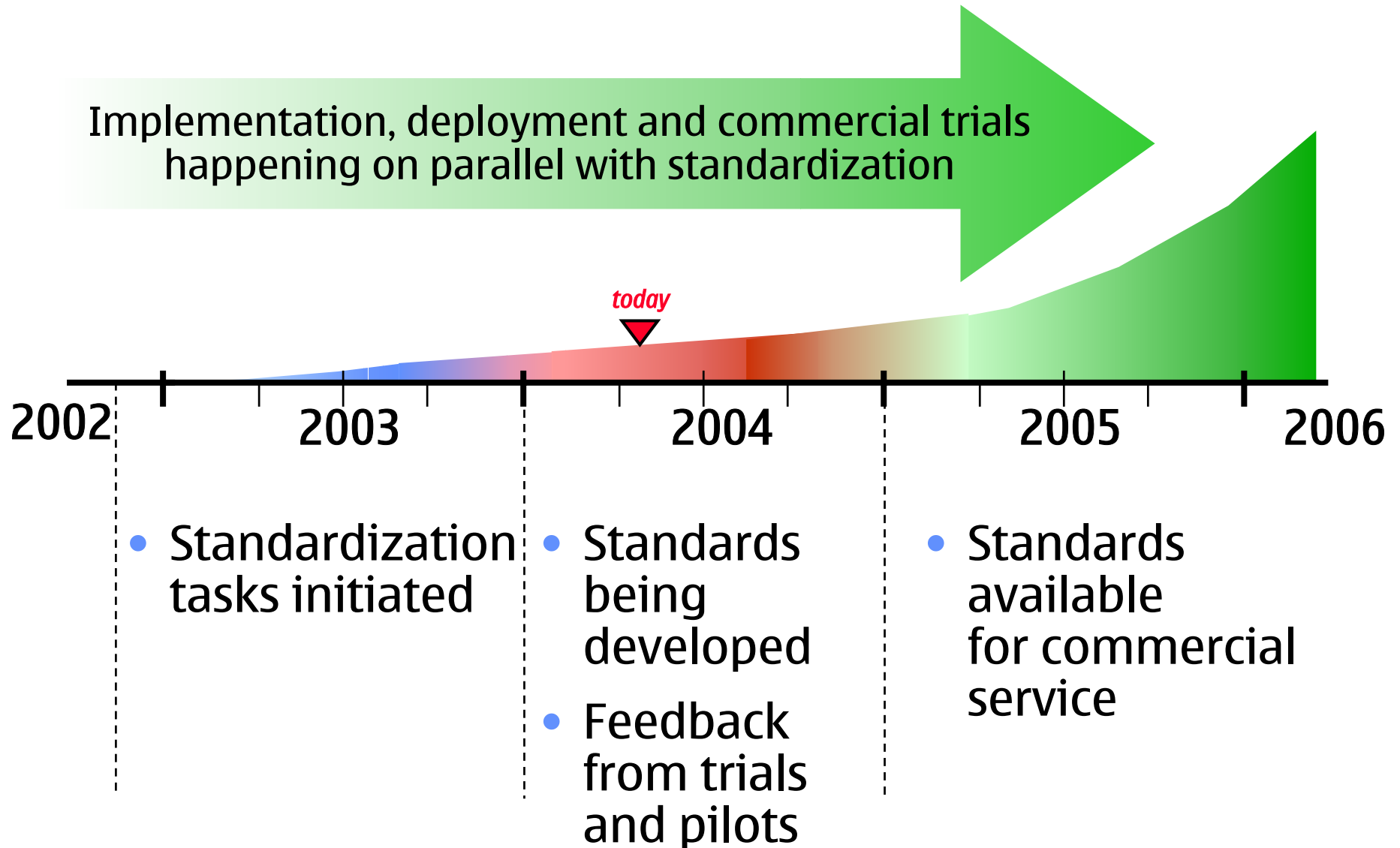


Current issues in Standardization of mobile broadcast

April 20, 2004

Toni Paila

Overall schedule



Mobile broadcast standardization in DVB

- **DVB-H standard** is now finalized in DVB



- Terrestrial broadcast transmission for handhelds
- Now in process to be published by ETSI
- Implementation and validation activities ongoing

- **IP Datacast over DVB-H** progressing fast



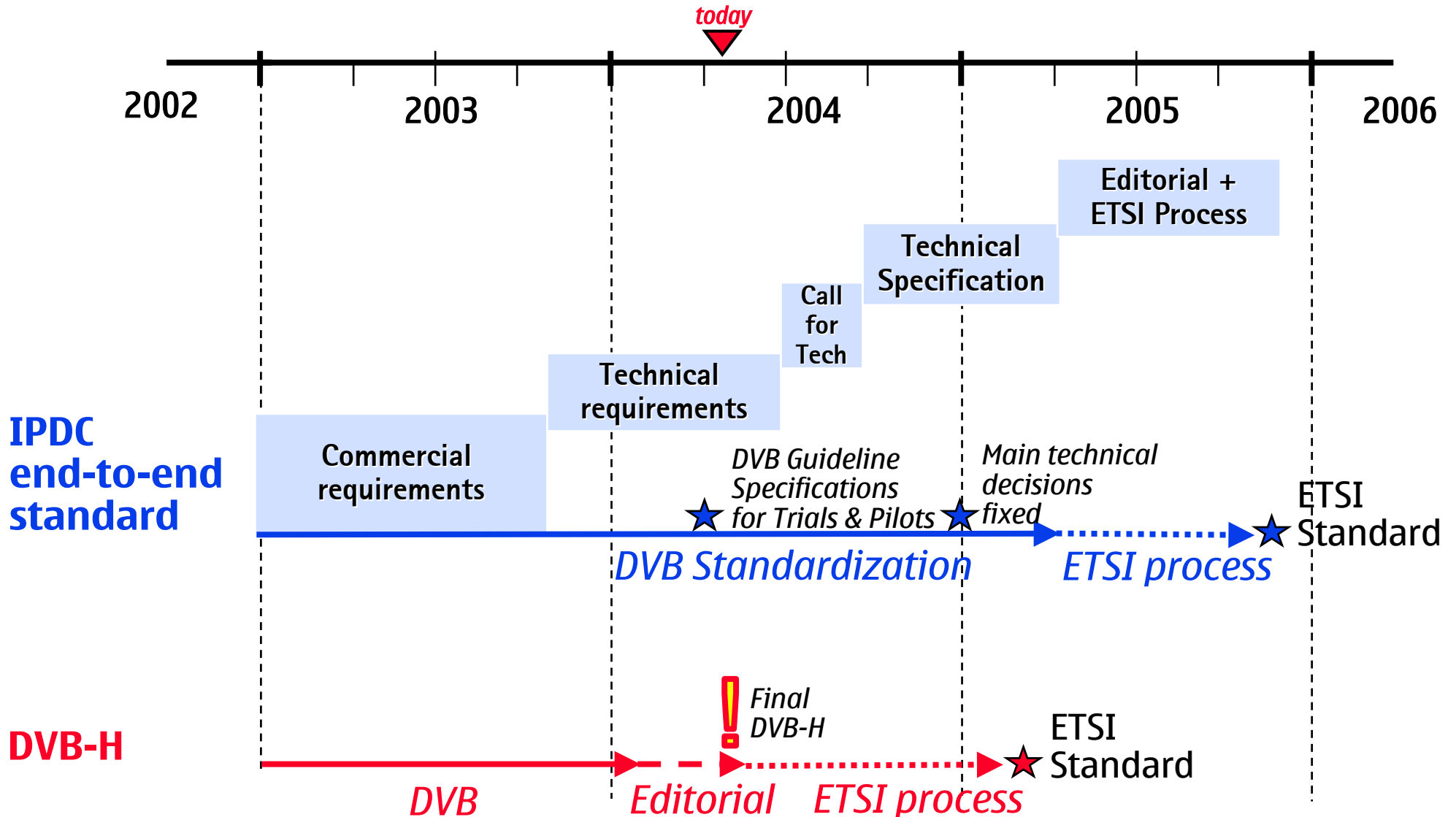
- Full e-2-e solution for IP-based mobile broadcast
- First priority areas: specifications by end 2004
- Complete package available mid 2005

IP Datacast over DVB-H

Technical Areas & Contributors

Technical Area	Contributors to Specification Work
General	EBU Expway
Electronic Service Guide	France Telecom IfN (Univ. of Braunschweig)
Services purchase, protection, provision	Motorola
Content Delivery Protocols	Nagra NDS
Coding formats	Nokia Panasonic
Terminal capabilities	Philips Retelevision
DVB-H as a broadcast bearer	Siemens Teliasonera
Quality of service	Teracom
Mobility, roaming and related QoS	T-Systems Vodafone
Technical field & conformance tests	...

IP Datacast Standardisation Schedule in DVB



Recent news from Open Mobile Alliance



- Specifications to enable service level interoperability
- Completed a preliminary study on “Mobile Broadcast”
- Result: wide interest from the mobile industry (esp. terminal vendors)
- Intention is to start work on interoperable mobile broadcast services
- OMA Specifications expected to be available during 2005