

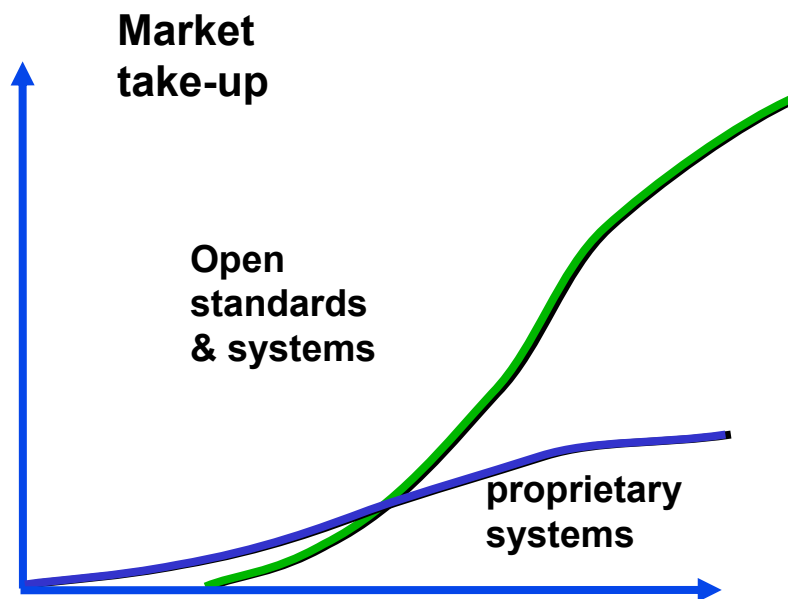


Ubiquitous Infrastructure
-
**Robust standards
and
Ubiquitous Service Interoperability**

Jorgen Friis
Deputy Director General
ETSI

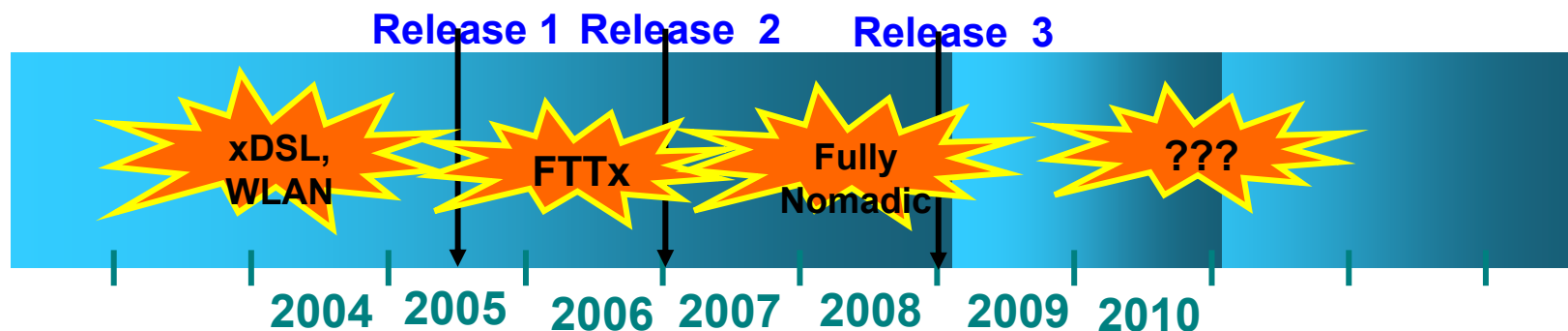
Robust standards for business

- ❑ Open standard - all stakeholders are there
- ❑ Widely supported – consensus is key



Robust standards for business

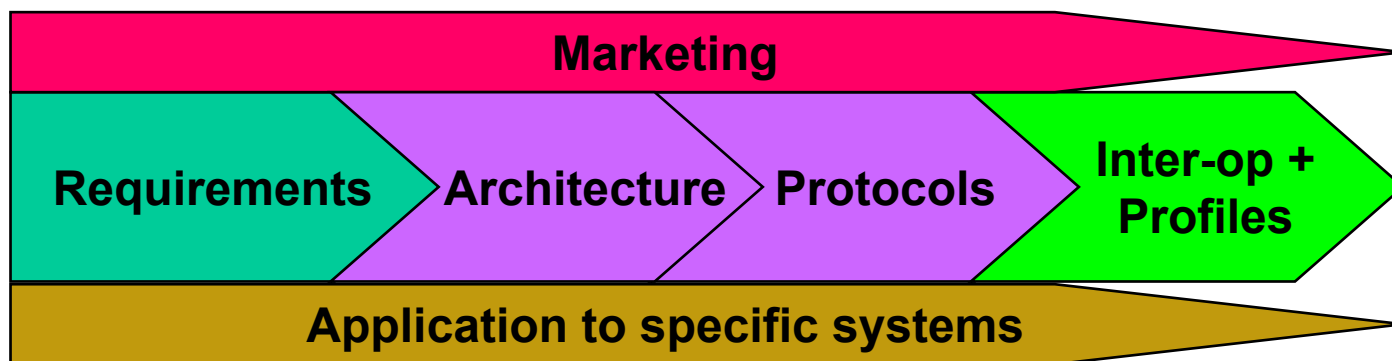
- ❑ Open standard - all stakeholders are there
- ❑ Widely supported – consensus is key
- ❑ Future proof – transparent evolution path



Towards a converged Wireline and Wireless NGN ...

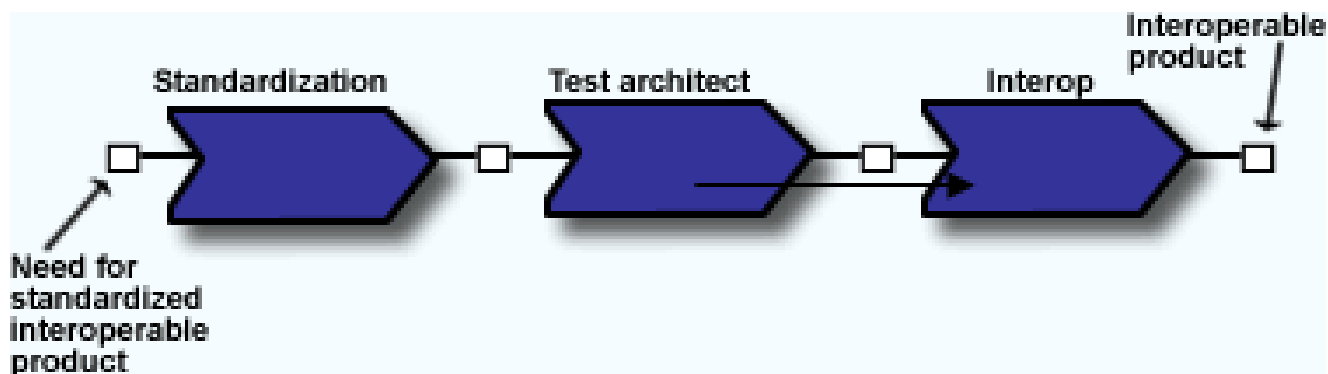
Robust standards for business

- ❑ Open standard - all stakeholders are there
- ❑ Widely supported – consensus is key
- ❑ Future proof – transparent evolution path
- ❑ Identified benefits – CAPEX/OPEX reduction
- ❑ It is not only about standards



Robust standards for business

- ❑ Open standard - all stakeholders are there
- ❑ Widely supported – consensus
- ❑ Future proof – transparent evolution path
- ❑ Identified benefits – CAPEX/OPEX reduction
- ❑ It is not only about standards
- ❑ Interoperability is key



Testing and interoperability

- ❑ **ETSI's set of unique and complementary resources:**
 - **Technical Committee MTS (Methods for Testing and Specification)**
 - Development of methodologies, techniques and languages <http://portal.etsi.org>

- ❑ **ETSI's Protocol and Testing Competence Centre (PTCC)**
 - Supports ETSI committees on the application of formal techniques in standards on a daily basis
 - Development of test specifications (conformance and interop) <http://www.etsi.org/ptcc>

- ❑ **ETSI Plugtests™ Service**
 - Validation of standards and prototypes through interoperability events
<http://www.etsi.org/plugtests>



How we see it

It's about architecture...

- In a fragmented standards making market an agreed architecture is key to achieve interoperability.
 - Effective cooperation with other SDOs and forums
- « Architects of a standards world »

...about interop schemes...

- ETSI focus on technical interoperability (inter-working)
Development of an interoperability "service line"
- Ex-ante specs: requirements, architecture, protocols
 - Ex-post specs: conformance tests, IOP tests

Thank you for your attention



jorgen.friis@etsi.org