



ETSI TC GRID, ITU-T NGN GRID and OGF
ETSI TC GRID Technical Officer
(ETSI Grid BOF) Presentation

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Thursday 14 September – GGF#18
Washington DC, USA



http://www.ggf.org/gf/event_schedule/index.php?id=421

Agenda

- ❑ ETSI means...
- ❑ ETSI, Testing Standards, PTCC and Plugtests™
- ❑ ETSI TC GRID ToR,
- ❑ GRID Projects and global GRID standardization collaboration plans with OGF and ITU-T.
- ❑ 3rd ETSI GRID Plugtests

ETSI is...

- ❑ Recognized as Standards Development Organization
 - ❑ Created in 1988 as an independent, not-for-profit entity
 - ❑ Based in Sophia Antipolis, south of France, a technology park with 20 000+ employees
 - ❑ 637 members from 56 countries
 - ❑ <http://www.etsi.org/>
- Download for free !



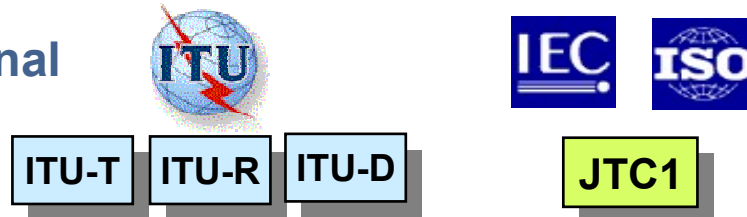
ETSI member companies...

- ❑ manufacturers, network operators, service providers, administrations, research bodies and users
- ➔ providing a forum in which all key players can contribute: GSM, UMTS, DECT, TETRA, SAT COM, DVB, NGN, VoIP, Wireless Access, Powerline, IP Cablecom, ...

ETSI's relations with ITU, IEC & ISO and Standards Bodies



International



Partnerships

Interregional



Europe



- CCSA
- OMA
- IEEE
- GCF
- WIMAX forum
- The Parlay Group
- IPv6 Forum
- CITEC
- GSM LA
- AHCIEC
- NENA
- DVB Project
- TETRA MoU
- (60+ active)

Global Standards Collaboration

Interregional collaboration on selected standardization subjects between



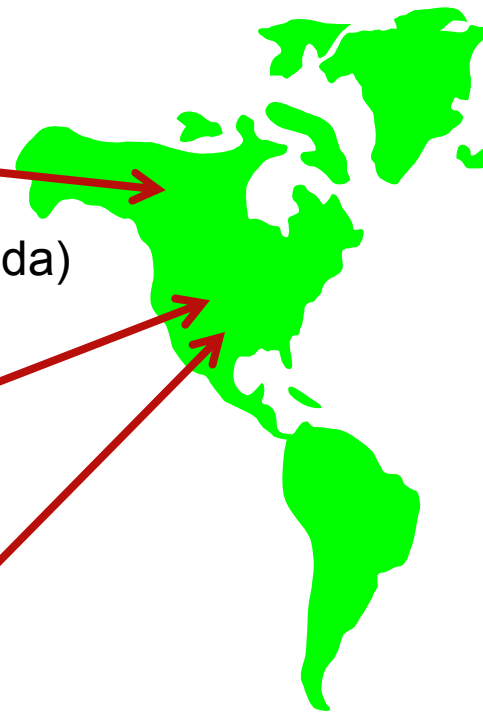
ISACC (Canada)



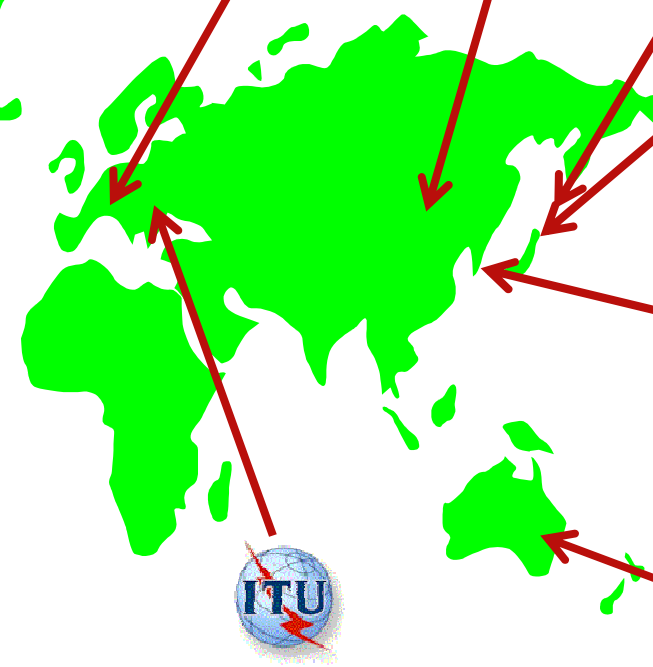
TIA (USA)



T1 Committee (USA)



CCSA (China)



ARIB

ARIB (Japan)



TTC (Japan)



TTA (Korea)



ACIF (Australia)



ITU (International)

ETSI's philosophy on Testing and Interoperability

- ❑ The ability of systems and products to interwork is fundamental...
- ❑ ETSI has complementary resources to achieve that:
 - **Technical Committee MTS (Methods for Testing and Specification)**
 - Development of methodologies, techniques and languages (including TTCN3) <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>

Plugtests™ is a professional ETSI service

- ❑ Created in 1999, specialized in the organization of test events
- ❑ Neutral and open to all organizations
- ❑ Cost neutral
- ❑ Experts from ETSI and other technical communities
- ❑ Skilled ETSI Staff managing test events

**In 6 years, 65 Events
2500 engineers
1100 Companies**

**Usefulness &
Service Satisfaction
ranked at
4.35 / 5**

Plugtests™ areas of interest



TELECOM

- DSL
- SMS/MMS
- Speech Quality
- HiperLAN2

HOT TOPICS

- Grid Computing
- LAN/WMAN
- Security
- ebXML



International Roaming Access Protocol



SERVICES & APPLICATIONS

- J2ME
- OSA-PARLAY
- Video over DSL
- OMA IMPS
- SyncML

IP

- IPv6 & Mobile IPv6
- MPLS
- SIGTRAN
- SIP



The Future is built
through Partnership

EC, EFTA, ITU, ISO, IEC, W3C, CEN,
CENELEC, IETF, ICANN, ANSI, ATIS, TIA,
ATM Forum, DECT Forum, DSL Forum,
WiMAX Forum, IPv6 Forum, TM Forum, UMTS
Forum, GSMA, DVB, EBU, IEEE, OMA, Open
Group, Parlay Group...

Full Agreement, MoU or Letter of intent ☺

ETSI and GRID

- ❑ 3 GRID Plugtests organized 2004, 2005 & 2006
<http://www.etsi.org/plugtests>
- ❑ 1st GRID Workshop 30 September 2005 with support of European Commission
- ❑ GRID ETSI Strategic topic GA#46 November 2005
- ❑ 1st ETSI GRID BoF - GGF#17 at Tokyo
- ❑ Board#57 on 22 June 2006 created TC GRID
http://portal.etsi.org/GRID/GRID_Tor.asp
- ❑ GRID and European Commission, NESSI ETP, GSCG, DG INFSO (GRID Unit) and DG ENTR
EU 2006 ICT Standardization Work Programme
- ❑ ETSI GRID#1 on 18 September 2006 at Brussels
<http://webapp.etsi.org/meetingcalendar/MeetingDetails.asp?mid=11244>

EC Grid Standardization details

□ Grid standardisation

Action 2: study on Interoperability & Validation of International Open Grid Standards; the study should cover the following issues:

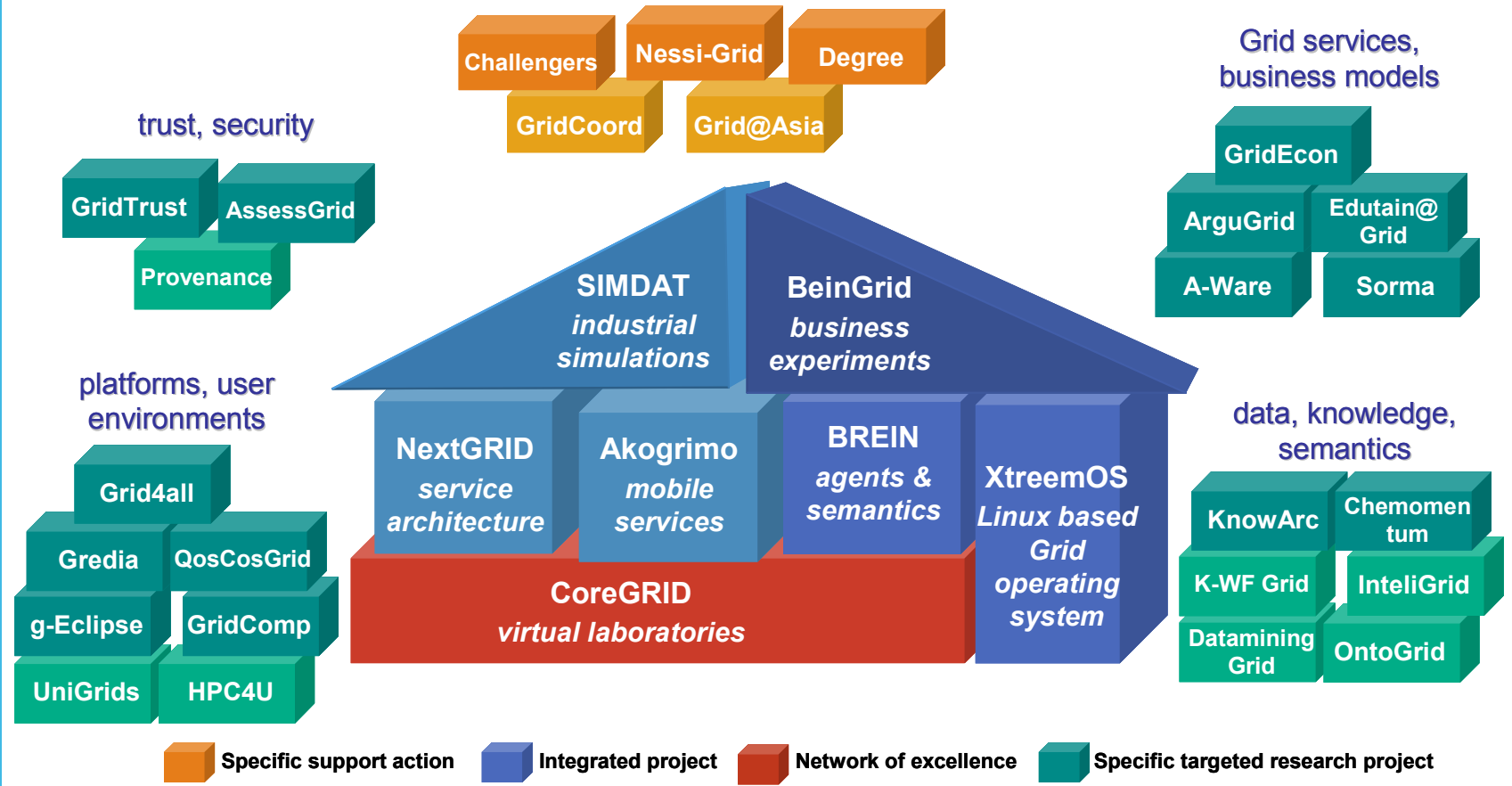
- Identification of interoperability **gaps** in existing and emerging international/European Grid standards: an **inventory and analysis** shall be made across the range of involved standards - making bodies with a view to determining the shortcomings; overlaps and loopholes in current and proposed de facto Grid standards at all levels of the middleware/protocol stack (network to application interfaces).
- **Identify and propose solutions** for the identified interoperability gaps in terms of approach and methods: depending on the size of the interoperability problems as identified, a series of practical recommendations on how to address and resolve them shall be made in the form of appropriate actions ranging from application best practices compilation, profiles definition, operational use guidelines, (open source) reference implementations, conformity - compliance test suite specifications, up to "plug" test tools development, standards validation benchmarking environment or other requirements for parallel or additional new standards regarding for instance the networking infrastructure (including e.g. IPv6).
- Establishment of a strategic and policy-oriented roadmap with concrete and itemised steps for planning and coordinating the realisation of the above-described approach and methods including the positioning vis-à-vis, and collaboration with, international standards bodies and consortia (IETF, W3C, OASIS etc), community and industry fora and initiatives (GGF, DMTF, WS-I, EGA etc), the European Standardisation Organisations (CEN, CENELEC and ETSI) and the **NESSI European Technology Platform** in the field of standardisation, interoperability and openness of Grid based service oriented architectures.

Grid Research Projects (Calls 2, 3, 5)

EU Funding: 124 MILLION

Call 5 start: Summer 2006

SSAs supporting NESSI and the Grid community



ETSI GRID Project Proposal

- ❑ GRID interoperability and testing standards
- ❑ Global collaboration: NESSI-GRID, GSCG, GGF/EGA, W3C, WS-I, OASIS, IETF, UniGrids, CoreGRID, NextGRID, GridCoord , COPRAS...etc
- ❑ IT and Telecom convergence, NGN and IPv6
- ❑ Telecom know how EC and ETSI

ETSI TR “Study of ICT GRID interoperability gaps”

Part1: Inventory of ICT Stakeholders

Part2: List of identified Gaps

ETSI TR “ICT GRID Interoperability Testing Framework”

Dedicated ETSI GRID Plugtests (proof of concept)

Q/A

- ❑ ITU-T NGN and GRID, 23-24 October Workshop
- ❑ ETSI – OGF Cooperation agreement negotiations
- ❑ GRID Testing Standards (conformance and Interoperability)
- ❑ Interoperability testing events – GRID Plugtests
3rd event 27 Nov – 1 Dec 2006

<http://www.etsi.org/plugtests/Upcoming/GRID2006/GRID2006.htm>