



Questionnaire on the status of Conformance and Interoperability of Equipment and Systems



1



Questionnaire Outline 1/2

- Fixed and Mobile Networks – what kind?
 - TDM, NGN Softswitch, NGN IMS, Other, 2G, 3G
 - What services ?
 - What equipment ?
- Conformance and Interoperability
 - Issues between new and legacy systems
 - Main C&I problems experienced
 - Impact of C&I problems
 - Pre-installation activities to mitigate C&I problems
 - Type Approval regime in place?
 - Type Approval Body established?
 - Acceptance of other product Marking schemes e.g. EC, FCC, IC
 - National Accreditation Bodies, Certification Bodies and Test Labs for Type Approval established?
 - MRAs with other parties ?
 - Market Surveillance procedures and practices ?



2



Questionnaire Outline 2/2

- Training and Capacity Building
 - Awareness of Res 47, Res 76 and Res 177
 - In light of these, what training and capacity building is desirable in your country?
- Are you ready to participate in:
 - Regional programs including capacity building and expert training
 - Exploring opportunities (finance, human resources, location/sites) to set up Test Centres in your country
 - Are there ICT labs in your country that could host testing and other ITU initiatives
- Any other comments



Responses to Questionnaire





Fixed and Mobile Networks and Services 1/2

Results broken down into 3 groups – based on similarities in experiences and deployment of network technologies

- Group 1 Limited variety of equipment, services and providers
 - Internet/IP Gateway services
 - 2G and 3G GSM network services

- Group 2 Medium variety of equipment, services and a few providers
 - TDM voice, fax, international voice, data
 - Internet/IP ADSL, Cybercafe, VoIP
 - NGN Softswitch voice, data
 - 2G voice, SMS local and international, prepaid
 - 3G internatnl SMS, local SMS, data and Internet



Fixed and Mobile Networks and Services 2/2

- Group 3 Wide variety of equipment, services and providers
 - TDM voice, data, ISDN
 - Internet/IP VoIP, data, email, wimax, metro ethernet
 - NGN Softswitch voice, fax, ISDN
 - NGN IMS VoIP, digital fax
 - 2G GPRS/EDGE, circuit switched data, voice, SMS
 - 3G HPSA + mobile broadband, voice, AMR-WB
voice, CS video call, SMS, R99 PS data





Fixed and Mobile Network Equipment

- Group 1
 - No equipment listed in response, referred/deferred to service provider for detailed information
- Group 2
 - Tended to have a dominant equipment supplier
- Group 3
 - Tended to have a wide mix of suppliers



Conformance and Interoperability 1/3

- Group 1
 - Reported no problems – likely single operator
 - Type Approval regime reported in place
 - No Type Approval responsible body
 - Marking – recognized either a body recommended by service provider or well known Mark such as EC, FCC
 - No national accreditation, certification bodies or test labs
 - No MRAs
 - No market surveillance
 - No ICT labs





Conformance and Interoperability 2/3

- Group 2
 - New equipment can affect legacy systems
 - Lists of interoperability problems such as: signalling in core networks, CDR equipment malfunctions, problems implementing new features on all platforms
 - Impact of interoperability problems high, affects QoS, customer satisfaction and loss of business
 - Pre installation activities carried out to mitigate interoperability problems
 - Half of this Group have Type Approval regimes
 - Half have Type Approval bodies
 - No national accreditation and certification bodies
 - No MRAs
 - No market surveillance



Conformance and Interoperability 3/3

- Group 3
 - Longer lists of interoperability problems such as: MSAN-Softswitch conformity, ISDN support, IMS core, software features in general
 - Lists of economic impacts such as: additional costs, company image, QoS, project delay, upgrade costs, extra testing costs
 - Pre installation work always done to mitigate interoperability problems
 - Type Approval regimes in place
 - Type Approval Bodies in place
 - Recognize EU, or FCC ,or IC or all three
 - Accreditation and certification bodies in place as well as test labs
 - MRAs active
 - Market surveillance in place





Training and Capacity Building 1/3

- Group 1
 - Interested in follow-up training/capacity building related to WTDC 2010 Res 47, WTSA 2008 Res 76, PP-10 Res177
 - Would participate in development of regional program in capacity building and expert tutorials
 - Interested in opportunities to establish national, sub-regional and regional test centres
 - No ICT Labs capable of hosting test events or ITU activities



Training and Capacity Building 2/3

- Group 2
 - Interested in follow-up training/capacity building related to WTDC 2010 Res 47, WTSA 2008 Res 76, PP-10 Res177
 - Would participate in development of regional program in capacity building and expert tutorials
 - Interested in opportunities to establish national, sub-regional and regional test centres
 - No ICT Labs capable of hosting test events or ITU activities





Training and Capacity Building 3/3

- Group 3
 - Interested in follow-up training/capacity building related to WTDC 2010 Res 47, WTSA 2008 Res 76, PP-10 Res177
 - Would participate in development of regional program in capacity building and expert tutorials
 - Interested in opportunities to establish national, sub-regional and regional test centres
 - ICT Labs capable of hosting test events or ITU activities available

