

Workshop for Caribbean to promote the development and implementation of Conformity Assessment programmes

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# ITU Guidelines for establishing a C&I Regime

#### Vladimir Daigele

Technologies and Network Development ITU-BDT, <u>vladimir.daigele@itu.int</u>













ITU/IEC 17000 Series: Conformity Assessment	
17000:2004– Vocabulary and general principles	
17001:2005- Impartiality - Principles and requirements	
17002:2004 - Confidentiality - Principles and requirements	
17003:2004 – Complaints and appeals – Principles and requirements	
17004:2005– Disclosure of Information – Principles and requirements	
17005:2008 – Use of Management systems – Principles and requirements	
17007:2009- Guidelines for drafting normative documents suitable for use for conformity assessment	
17011:2004- Requirements for accreditation bodies accrediting conformity assessment bodies	
17020:2012- Requirements for the operation of various types of bodies performing inspection	
17021:2011- Requirements for bodies providing audit and certification of management systems	s
17024:2012- General requirements for bodies operating certification of persons	
17025:2005- General requirements for the competence of testing and calibration laboratories	
17030:2003- General requirements for third-party marks of conformity	
17040:2005- General requirements for peer assessment of conformity assessment bodies and accreditation bodies	
17043:2005- General requirements for proficiency testing	
17050-1:2007- Supplier's declaration of conformity - Part 1: General requirements	
17050-2:2007- Supplier's declaration of conformity - Part 2: Supporting document	
17065:2012- Requirements for bodies certifying products, processes and services	ŗ
<ul> <li>17067:2013 – Fundamentals of product certification and guidelines for product certification schemes</li> </ul>	
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Category	Product	Standard	Technical Requirement
	Mobile	3GPP	Power; frequency stability, frequency in-band emission.
	Teléfono fijo	CEI	Power; frequency stability, frequency in-band emission.
	PABX	<ul><li>Rec. UIT-T G.711.</li><li>Rec. UIT-T Q.921.</li></ul>	Protocols
User equipment	Charge and power adapter	Rec. UIT-T L.1000	Power, energy efficiency, eco-environment specifications
	Personal area communication	Atribución de frecuencias nacionales	Gain, transmission power, bandwidth, frequency stability.
	Residential optical unit	UIT-T G.984	Power; frequency stability, frequency in-band emission, SAR limits.
	UTP cable	ISO/CEI 11801	Return Loss, FEXT, NEXT, bandwidth
	Mobile - Broadband base station	ETSI	Gain, transmission power, bandwidth.
	AnteNna	ETSI	Radiation Diagram, Gain, VSWR.
RTTE	Broadcast transmitter	ETSI	Gain, transmission power, frequency width.
	Earth station equipment / VSAT	ETSI	Gain, transmission power, bandwidth
Network equipment	Transmission equipment	Rec. UIT-T G.707	Protocols
	Network switches and routers.	MPLS - G.8121 Ethernet - G.8021 TVIP - H 62X	Protocols
	Cables	ISO/CEI 11801	Return Loss, FEXT, NEXT, bandwidth
	IPVT	Rec. UIT-T	See Standard
Electromagnetic Compatibility	All equipment	Rec. UIT-T K.48	Radiated spurious emission, conducted spurious emission, resistibility
Safety	All equipment	Rec. UIT-T K.21	Electrical chock protection, fire protection, overcurrent protection



- hearing aid compatibility with handsets.
- compliance specifications for terminal equipment, terminal systems and network protection devices



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## Specific absorption rate (SAR)

Specialized measurement systems have been developed to permit determination of the SAR value of a given product or system in order to assess compliance with the definitions of limits set by different SDOs (e.g. IRCNIRP)



List of ICT equipment	requiring conformity
assess	sment 🔍 🔍 💽
Examples:	Equipment that must meet technical standards
Types of Equipments	Broadcasting transmitters     Portable radio transmitters     Digital scanner receivers     Bemote car alarms and starters
<b>Radio apparatus</b> : A device or combination of devices intended for, or capable of	Garage door openers     Wireless computer links     Cellular phones
being used for, radiocommunication	Cordless phones     Fax machines     GSM telephones
equipment: Any device, machinery or equipment, other	Mobile radios     Modems     Wireless remote devices
than radio apparatus, that can cause interference to radiocommunication	PABXs (including small business systems and key systems)     Pagers     Dedia sessions
Radio-sensitive equipment: Any device, machinery or	Radio receivers     Radio transmitters     Telephone instruments
equipment, other than radio apparatus, that can be	• Delex equipment • Other equipment emitting a radio signal • Any customer premises equipment to
radiocommunication emissions	telecommunication network











Time	2014			2015				
Action	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
Standard Adoption								
EMC	×	x	×	×				
Safety	x	x	×	×				
SAR		x	x	×	×			
Digital TV	x							
Radio (emissions limits compliance check, spectrum <u>regulation</u> )	×							
Interoperability					x	x	x	x
Conformity Assessment Mechanisms								
Check-list for Type Approval	x	x	x	x	x	x	x	
Fee general formula	x							
Marking experience	x							
Direct Assistance								
Assistance from ITU			x					
Fee personalized formula		x	x					
Type Approval Res. review	x	x	x			17		
Training								
C&I procedures (Type, approval, Standards, etc.)			x					
C&I Domains (EMC, mobile, NGN, etc.)				x				
MRA			x					

## Thank you!!



C&I Portal

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