



IEC/TC or SC 103	Secretariat FRANCE	Date
---------------------	-----------------------	------

Please ensure this form is annexed to the Report to the Standardization Management Board if it has been prepared during a meeting, or sent to the Central Office promptly after its contents have been agreed by the committee.

Title of TC Transmitting equipment for radio communication

A. Background		
<u>Scope</u>		
Standardization of transmitting equipment for radio-communications purposes and electronic devices employing similar techniques. The standardization work deals with methods of measurement, safety requirements and transmitter control and interconnection.		
<u>History</u>		
TC 103 was born by transformation of SC 12C, which was approved by the Council of IEC on October, 1996 (02/941/AC).		
<u>Structure of TC103</u>		
Working groups		
<ul style="list-style-type: none"> WG3 method of measurement and TV transmitters (new name) MT4 Maintenance of publications 		
Number of publications : 34.		
Joint working group		
JWG ITU-R		
<u>Membership, as of January 2008</u>		
P-members (13) : China, Finland, France, Germany, Italy, Japan, Korea (Republic of), Poland, Romania, Russian Federation, Slovenia, Switzerland, United Kingdom.		
O-members (16) : Austria, Belgium, Bulgaria, Czech Republic, Denmark, Greece, India, Netherlands, New Zealand, Norway, Portugal, Serbia, Slovakia, Spain, Sweden, Turkey.		
<u>System approach</u>		
Component committees (TC 103 as a customer)	IEC/SC 46F ITU-R, ETSI, CENELEC	RF and microwave passive components
Other system committees (TC 103 as a supplier)	none	
Other committees	IEC/SC 86C IEC/TC 108	Fibre optic systems and active devices Safety of electronic equipment within the field of audio/video, information and communication technology.

<p>B. Environment</p> <p>B.1 Business environment</p> <p>Market in radio, video and data broadcasting is changing rapidly due to the use of digital techniques, while the carried out activity was dealing with analogue techniques.</p> <p>The introduction in many countries, all over the world, of the digital television system DVBT (Digital Video Broadcasting - Terrestrial), of the digital sound radio system DAB (Digital Audio Broadcasting), and future standardisation for digital AM radio DRM (Digital Radio Mondiale) will generate a replacement or improvement of the existing transmitting equipment.</p> <p>Market is still growing due to mobile TV, with new customers from mobile phone operators and new digital standards.</p>
<p>B.2 Market demand</p> <p>The customers of the standards are the network operators, the mobile phone operators, the broadcasters, the transmitter manufacturers and the manufacturers of related measuring equipment (coder/decoder, multiplexer, etc.)</p> <p>The market of transmitters is a world wide market and the IEC standards are widely used in the R.F.P. (Request For Proposal) by all the network operators and broadcasters.</p> <p>Due to the introduction of the new digital broadcasting systems, it could be necessary to maintain or revise the existing publications and to prepare new one dealing with digital techniques.</p>
<p>B.3 Trends in technology and trade</p> <p>The transmitters have to be adapted in order to be compliant with emerging digital standards</p>
<p>B.4 Ecological environment</p> <p>Related environmental and ecological problems such as EMC, EMI or effects on human body or on medical electronics devices, such as pacemakers, could occur.</p> <p>In various countries, some organisations are willing to modify the existing legal requirements and/or standardisation concerning effects on human body, EMC.</p>
<p>C. Work programme</p> <p>C.1 Current work</p> <p>1 project is in progress (PAS to standard) : future IEC 62553 : Methods of measurement for digital network - Performance characteristics of digital terrestrial television transmission network</p> <p>3 standards are to be withdrawn :</p> <ul style="list-style-type: none"> - IEC 60244-12-1 : Methods of measurement for radio transmitters. Part 12: Guideline for drawing up descriptive leaflets for transmitters and transposers for sound and television broadcasting - Characteristics to be specified - IEC 60244-12-2 : Methods of measurement for radio transmitters. Part 12: Guideline for drawing up descriptive leaflets for transmitters and transposers for sound and television broadcasting - Specification sheets - IEC 62272-1 : Digital Radio Mondiale (DRM) - Part 1: System specification <p>C.2 Resources/infrastructure needed</p> <p>New experts are expected in order to maintain and /or develop standards on still growing market of digital communications.</p> <p>C.3 Safety aspects (only for committees which do not have a reference to safety in their scope)</p> <p>TC 103 have to maintain IEC 60215 (Safety requirements for radio transmitting equipment) this year.</p>
<p>D. Future work</p> <p>2 proposal are coming very soon</p> <ul style="list-style-type: none"> - the first deals with optical modulator - the second deals with photonic converter <p>A liaison with SC 86C is under study.</p>

E. Maintenance cycle				
Publication no.	Date of publication	Review date	Maintenance result date	Responsibility (Maintenance Team)
IEC 60215	1987	2008	2011	MT4
IEC 60244-1	1999	2009	2012	WG3
IEC 60244-2	1969	2008	2011	MT4
IEC 60244-3	1972	2008	2011	MT4
IEC 60244-4	1973	2008	2011	MT4
IEC 60244-5	1992	2008	2011	MT4
IEC 60244-6	1976	2008	2011	MT4
IEC 60244-7	1979	2008	2011	MT4
IEC 60244-8	1993	2008	2011	MT4
IEC 60244-9	1993	2008	2011	MT4
IEC 60244-10	1986	2008	2011	MT4
IEC 60244-11	1989	2008	2011	MT4
IEC 60244-13	1991	2008	2011	MT4
IEC 60244-14	1997	2008	2011	MT4
IEC 60244-15	1999	2009	2012	WG3
IEC 60657	1979	2008	2011	MT4
IEC 60864-1	1986	2008	2011	MT4
IEC 60864-2	1997	2008	2011	MT4
IEC 61566	1997	2008	2011	MT4
IEC 62272-2	2007	2011	2014	WG3
IEC 62273-1	2007	2010	2013	WG3

Name or signature of the secretary
Claude BERNARD