

05.

Standardisation, Technical and Laboratory Activities



■ Standardisation

Telecommunications and Electromagnetic Compatibility

As part of its activities as a sector standardisation body, in 2007 ICP-ANACOM recorded a total of 274 documents in consultation as illustrated in the following table:

Distribution of the number of documents examined in 2007

Table 15

Technical Committees	Document Type	Number	% (of total)
CTE 210 - CEI e CENELEC	Electromagnetic Compatibility (CEI and CENELEC)	102	37,0
CTE 210 - ETSI (ERM)	Electromagnetic Compatibility (ETSI - ERM)	66	24,0
CTE 46	Cables, wires and wave guides for telecommunications equipment	54	20,0
CENELEC TC 106X	Electromagnetic fields in the human environment	9	3,0
Other ETSI		38	14,0
Other (AEET, ECEI, ETR)		5	2,0

Source: ICP-ANACOM.

The ICP-ANACOM sector standardisation body is the coordinator of the activities of two national electrotechnical commissions (CTE): CTE 210, on "Electromagnetic compatibility" and CTE 46 on "Cables, wires and wave guides for telecommunication equipment.

In addition to the representatives of ICP-ANACOM, in 2007 these technical commissions were attended by members of QUEMC, QIT, Efacec, CWJ, Elevar, Faculdade de Engenharia do Porto, Geta, IBM, Somfy, Universidade do Minho, Retrica, Siemens, General Cable CelCat, ISQ - Instituto de Soldadura e Qualidade, IEP - Instituto Electrotécnico Português, Cabelte, PT Comunicações, Televés, Atron, Intelprima.¹⁶

Postal Activity

With respect to postal standardisation, in 2007 there were 13 documents in consultation, of which 5 referred to quality of service, 7 to addressing and the automatic identification of objects and, another on letter boxes.

In 2007 the group of stakeholders with regard to postal standardisation saw the participation of various companies from the sector (Fedex, Iberomail, Expressodao, Logista) in addition to CTT.

ICP-ANACOM participated in the activity of CG ECN&S of ETSI (Advisory Committee Operational Co-ordination Group - Electronic Communications Networks & Services Directives) which is appointed, by mandate of the EC, to update the list of standards to which Article 17 and Article 18 of the Framework Directive refer (transposed by article 29 of the LEC).

During 2007, ICP-ANACOM cooperated with the OCG ECN&S in the drafting of a report¹⁷ which aims to identify areas where there is a need to develop standards designed to satisfy the public interest and promote competition.

¹⁶ <http://www.anacom.pt/template15.jsp?categoryId=166004>.

¹⁷ Designated by ETSI SR 002 586 - "Electronic communications networks and services. Consequence on the NGN standardization activity from the EU ECN&S regulatory view point".

■ Technical Support in the Context of the Radio Equipment and Terminal Equipment Market

Verification was undertaken of the radio and telecommunications terminal equipment market by carrying out tests on equipment covered by Decree no. 192/2000 of 18 August.

Technical opinions were issued in respect of litigation proceedings.

In addition market and industry controls were performed in the verification of the essential requirement of electromagnetic compatibility in electrical and electronic equipment covered by Decree-Law no. 325/2007 of 28 September.

Technical opinions were likewise issued in respect of litigation proceedings.

In comparison to the previous year, a significant increase was seen in requests of the police and law enforcement agencies in respect of expert processes regarding reception equipment for digital television via satellite and cable, totalling 206.

A similar situation was seen with customer cards and Smart Cards seized by police authorities, amounting to a total of 32 requests.

■ Laboratories

Electromagnetic Compatibility Laboratory (LCEM)

In 2007, the number of devices tested at the request of outside parties increased by around 5% over the previous year - with a total of 20 devices tested.

Also the number of devices tested for the purpose of supporting the area of market supervision (internal client), saw an increase of 8% over 2006, with 271 devices tested.

The LCEM remains accredited by the Instituto Português de Acreditação (IPAC - Portuguese Institute of Accreditation) according to standard NP EN ISO/IEC 17025 for performing tests.

Following up on the obligations to provide evidence of competence, arising from this accreditation, the LCEM participated successfully in a bilateral test with a counterpart national laboratory, including tests for electric field measurement.

In the context of the R&TTE Directive (1999/5/EC), preparation was started of the laboratory for testing of immunity of conducted disturbances, induced by radio-frequency fields, of voice telephony terminal equipment of the PSTN network, as provided for in the harmonised standard EN55024.

Radiocommunications Equipment Laboratory (LR)

As part of the supervision of surveillance of market of radio equipment (R&TTE Directive), 220 radio devices with different applications were tested - which reflects a decrease over 2006.

75 copies of test reports were issued for the purposes of notification to inspected entities.

With respect to the testing of equipment requested by judicial and police authorities, there was a decrease in relation to the previous year.

Studies and tests were undertaken, expanding the number of features capable of laboratory verification.

Laboratory testing was begun in order to study scenarios of sharing and compatibility between radio systems.

**Radio Metrology Laboratory (LMR)**

There was an increase in the volume of calibration work carried out with respect to the equipment of ICP-ANACOM and also in total calibration operations with respect to equipment held by external entities, of 12% and 42%, respectively.

The increase in calibration operations conducted with respect to external entities results in the increase in demand for calibrations by certifying entities working in the area of ITED.

With respect to the total amount of equipment calibrated, there was an increase of 23.2% over the same period in 2006.

The LMR remains accredited by IPAC according to the standard NP EN ISO/IEC 17025, to perform calibrations in the field of electrical area and frequency.

In line with the obligations of this accreditation, the LMR participated in an inter-laboratory comparison study sponsored by Associação de Laboratórios Acreditados de Portugal (RELACRE - Association of accredited laboratories in Portugal) on the calibration of DC voltage, AC voltage, DC current, AC current and Resistance.