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1. TYPE APPROVAL OF TERMINAL TELECOMMUNICATIONS DEVICES AND RADIO EQUIPMENT

This activity is governed in chapter eight from the Telecommunications Act. Until the end of January 2000 the type approval of terminal devices was carried pursuant to the Telecommunications Act and Ordinance No. 7 by the State Telecommunications Commission. Table 24 shows an information summary for all certificates, issued by the STC for type approval in accordance with Ordinance No. 7:

Table 24. Issued certificates for type approval

¹	Equipment category	Number
1.	Telephone sets, answering machines and key systems	2
2.	Cordless telephone sets	1
3.	PBXs, concentrators and Key systems	3
4.	Radio telephones for cellular networks	10
5.	Terminal devices for data transmission (modems, PADs, etc.)	6
6.	Facsimile machines	1
7.	Radio stations for for terrestrial mobile service	4
8.	ISDN terminal devices– basic and primary access	1
9.	Radio stations in the citizen 27 Íz band	3
10.	Radio transmitters up to 500 mW in ISM frequency range	17
11.	Amateur radio stations	3
12.	Other terminal devices	1
	Total	52

Starting 1 February 2000 in effect came Ordinance No. 5 for conformity assessment of radio equipment and terminal telecommunications devices and their connection to public telecommunications networks, which repealed the former Ordinance No. 7. The new ordinance introduced a regime for conformity assessment, which was much more liberal than the previous one. The procedure for type approval was preserved, and along with it were introduced all procedures for conformity assessment contained in Directive 98/13. The adopted model in the ordinance allows for covering various types of devices (for which there are no harmonized standards) and compilation of the following lists:

- List 1 – Radio equipment groups and terminal telecommunications devices subject to conformity assessment;
- List 2 – Technical requirements for conformity assessment of radio equipment and terminal telecommunications devices.

The three types of specifications included in List 2 (general Technical Regulations, European telecommunications standards, based on which the decisions of the ERC are passed; other European or national standards) allowed to incorporate the entire broad specter of radio equipment and terminal telecommunications devices.

In the work for elaboration of the lists were used publications of the EU, ETSI and ERC, and was studied the experience and the legal framework of the regulatory bodies in several European countries. In certain cases, for further clarification and good understanding of the technical requirements and the procedures for conformity assessment, meetings were held with the concerned organizations, for example with the National Entity for Radio and TV Stations (NERTS) and cable operators in connection with RRL in the range of 10,15÷10,68 GHz.

By power of Decision No. 44/10.02.2000 of the State Telecommunications Commission, the lists were approved and published on the Internet page of the Commission.

The radio equipment and terminal telecommunications devices approved in accordance with Ordinance No. 5 are shown by category in tables 25 and 26, and broken down into groups indicating the variety in device type and technology.

Table 25. Radio equipment

Code	Group	Number
Đ1	Terminal devices for GSM	113
Đ2	Terminal devices for DECT	11
Đ5	Mobile satellite terminal devices LMES	1
Đ6	Satellite stations VSAT and SNG	3
Đ8	Devices for PMR, PAMR	40
Đ9	GSM base stations and repeaters	7
Đ10	Ship and aircraft VHF radio stations	4
Đ11	VHF transmitters for radio broadcasting	7
Đ12	Radio devices for broadband systems for data transmission	27
Đ13	Microwave systems	6
Đ14	Short range radio devices (SRD)	14
Đ15	Devices for local paging systems	1
Đ16	Radio telephones and base stations for NMT	1
Đ20	Cordless telephone devices	5
Đ23	Microwave systems	6

Table 26. Terminal devices which do not use the radio frequency spectrum:

Code	Group	Number
Ō1	Terminal devices for connection to digital and analog leased lines	21
Ō2	Terminal devices for access to digital networks with ISDN integrated services	49
Ō3	Data transmission equipment (Ō.21, Ō.25).	4
Ō4	Terminal devices for connection to PSTN with tone dialing DTMF – except those for voice telephony	
Ō5	Analog telephone devices (telephones, answering machines, key systems, telephone devices for public use, etc..)	29
Ō6	Wire alarm devices	2
Ō7	Modems (including the board type)	36
Ō8	Facsimile machines	17

O10	Subscriber multiplex systems	3
O11	PBXs	24

During the year 2000 the total number of certificates for type approval issued by the State Telecommunications Commission, reached 420.

When compared to the relevant figures from the preceding year, the following conclusions can be made:

- there is a persistent trend for increase in the diversity of mobile radio telephones;
- the presence of devices designated for DECT systems is more pronounced;
- an increase in the variety of short range radio devices can be noted, especially in the ISM range 2,4 MHz, such as devices for cordless access (radio modems); new technologies emerge (Bluetooth);
- among the devices for connection to leased lines predominate the xDSL devices.

Obviously the Bulgarian market tends to follow orientation to the latest technologies and models of the leading companies in the sphere of telecommunications.

In accordance with the adopted program by the Council of Ministers for introduction of the directives from the New Approach, Directive 99/5/ÅÑ treating radio equipment and terminal telecommunications devices with a view to liberalize their entrance on the market, was expected to be implemented in our country by the end of 2000. For this reason, in the draft for amendment and rider to the Telecommunications Act, as agreed with the Ministry of Transport and Communications, the State Agency for Standardization and Metrology (SASM) and the Ministry of Economy (ME) were incorporated the relevant prerequisites for elimination of the contradicting elements between the now acting Telecommunications Act and the Directive. The related ordinance is in an advanced stage of preparation.

In accordance with the Telecommunications Act, the transmitter equipment for civilian needs are subject to an imports authorisation regime, production and/or distribution. The total number of permissions for imports, production and/or distribution reached the figure of 73 for the year 2000.

2. WORK IN THE FIELD OF STANDARDIZATION

Specialists from the State Telecommunications Commission chaired and actively took part in the activity of Technical Committee for standardization – TC 57 “Telecommunications and Information Technologies” (as Chairman and Secretary) and in the work of TC 47 “Radio Communications” and TC “Electromagnetic Compatibility”.

During the year 2000 the Commission contributed with reports to the work of two National conferences with international participation in the field of standardization.

The State Telecommunications Commission successfully fulfilled its functions of a National Standardization Organisation (NSO) for ETSI in Bulgaria. For clarification of the problems arising from the National Standardization Act, meetings were organized and an agreement was signed with the State Agency for Standardization and Metrology. The problems found a timely and effective resolution.

