

**MINISTRY OF  
INFORMATION AND  
COMMUNICATIONS**

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No. 04/2018/TT-BTTTT

**THE SOCIALIST REPUBLIC OF VIETNAM**  
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*Hanoi, May 08, 2018*

**CIRCULAR**

**LIST OF POTENTIALLY UNSAFE COMMODITIES UNDER THE MANAGEMENT OF  
THE MINISTRY OF INFORMATION AND COMMUNICATIONS**

*Pursuant to the Law on Quality of Commodities dated November 21, 2007;*

*Pursuant to the Law on Telecommunications dated November 23, 2009;*

*Pursuant to the Law on Radio Frequencies dated November 23, 2009;*

*Pursuant to the Law on Information Technology dated June 29, 2006;*

*Pursuant to the Government's Decree No. 132/2008/ND-CP dated December 31, 2008  
elaborating the implementation of a number of articles of the Law on Quality of Commodities;*

*Pursuant to the Government's Decree No. 17/2017/ND-CP dated February 17, 2017 defining  
functions, tasks, entitlements and organizational structure of the Ministry of Information and  
Communications;*

*At the request of the Director of the Department of Science and Technology,*

*The Minister of Information and Communications hereby promulgates a Circular on the list of  
potentially unsafe commodities under the management of the Ministry of Information and  
Communications.*

**Article 1. Scope**

This Circular provides for the list of potentially unsafe commodities under the management of the Ministry of Information and Communications (hereinafter referred to as “the list of category 2 commodities”).

**Article 2. Regulated entities**

This Circular applies to:

1. Producers and traders of commodities on the list of category 2 commodities in Vietnam.

2. Organizations and individuals related to quality control of commodities on the list of category 2 commodities in Vietnam.

### **Article 3. List of group 2 commodities**

1. The management of the list of group 2 commodities:

a) “The list of information technology and communications commodities subject to declaration and certification of conformity” is provided in the Appendix I hereof.

b) “The list of information technology and communications commodities subject to declaration of conformity” is provided in the Appendix II hereof.

2. The Ministry of Information and Communications periodically inspect, examine and modify the list of group 2 commodities according to the management policy of the State.

### **Article 4. Rules for quality control of group 2 commodities**

1. The quality of group 2 commodities on the List of group 2 commodities shall be controlled as in accordance with regulations of the Ministry of Information and Communications on certification and declaration of conformity of information technology and communications commodities, and respective national technical regulations and standards.

2. In the cases where any of the technical regulations and standards specified in the list of group 2 commodities is amended or replaced, the newest one shall apply. In the cases where any of the standards specified in the list of group 2 commodities is amended or replaced, the newest one shall apply in accordance with regulations of the Ministry of Information and Communications.

3. In case of any difference between provisions of the technical regulation and those of this Circular on certification and declaration of conformity, this Circular shall prevail.

### **Article 5. Effect and responsibility for implementation**

1. This Circular comes into force from July 01, 2018 and replaces the Circular No. 42/2016/TT-BTTTT dated December 26, 2016 of the Minister of Information and Communications.

2. The Circular No. 42/2016/TT-BTTTT dated December 26, 2016 of the Minister of Information and Communications shall continue to apply to the commodities already granted the certificate of conformity before the effective date of this Circular until the expiry date specified in the certificate of conformity.

3. During the application of technical standards and regulations and measurement and testing, organizations and individuals shall promptly report difficulties and follow the guidelines laid down by the Ministry of Information and Communications (the Department of Science and Technology).

4. The Chief of Office, Director of Department of Science and Technology, heads of affiliates of the Ministry of Information and Communications and relevant organizations and individuals are responsible for the implementation of this Circular./.

**THE MINISTER**

**Truong Minh Tuan**

**APPENDIX I**

LIST OF COMMUNICATIONS AND INFORMATION TECHNOLOGY COMMODITIES  
 SUBJECT TO CERTIFICATION AND DECLARATION OF CONFORMITY  
 (Enclosed with the Circular No. 04/2018/TT-BTTTT dated May 08, 2018 of the Minister of  
 Information and Communications)

No.	Name of commodities	Applied technical regulations and standards
1	<b>Terminal equipment</b>	
1.1	Cordless telephone equipment (DECT subscription)	QCVN 47:2015/BTTTT QCVN 22:2010/BTTTT QCVN 113:2017/BTTT (*)
1.2	Land mobile communication terminal equipment	
	GSM mobile terminals	QCVN 12:2015/BTTTT QCVN 86:2015/BTTTT (*)
	W-CDMA FDD mobile terminals	QCVN 15:2015/BTTTT QCVN 18:2014/BTTTT (*)
	E-UTRA FDD mobile terminals	QCVN 47:2015/BTTTT QCVN 18:2014/BTTTT (*)
2	<b>Radio equipment</b>	
2.1	<b>Radio transceivers with a frequency band between 9 kHz and 400 GHz and capacity of 60 mW or more</b>	
2.1.1	Radio transceivers used in terrestrial mobile and fixed communications services	
	GSM base station	QCVN 41:2016/BTTTT QCVN 103:2016/BTTTT (*)

W-CDMA FDD base station	Allow the station to operate in the 2,100 MHz band:  QCVN 16:2010/BTTTT QCVN 103:2016/BTTTT (*)
	Allow the station to operate in the 900 MHz band:  QC VN 47:2015/BTTTT QCVN 103:2016/BTTTT (*)
E-UTRA FDD base station	QCVN 110:2017/BTTTT QCVN 103:2016/BTTTT (*)
Land mobile radio equipment using an integral antenna intended primarily for analogue speech	QCVN 37:2011/BTTTT QCVN 18:2014/BTTTT (*)
Land mobile radio equipment having an antenna connector intended for the transmission of data (and speech)	QCVN 42:2011/BTTTT QCVN 18:2014/BTTTT (*)
Land mobile radio equipment having an antenna connector intended primarily for analogue speech	QCVN 43:2011/BTTTT QCVN 18:2014/BTTTT (*)
Land mobile radio equipment using an integral antenna intended for the transmission of data (and speech)	QCVN 44:2011/BTTTT QCVN 18:2014/BTTTT (*)
Point-to-Multi-point digital radio equipment below 1 GHz using TDMA	QCVN 45:2011/BTTTT QCVN 18:2014/BTTTT (*)
Point-to-Multipoint digital radio equipment below 1 GHz using FDMA	QCVN 46:2011/BTTTT QCVN 18:2014/BTTTT (*)
Point-to-Multipoint radio equipment below 1 GHz using DS-CDMA	QCVN 48:2011/BTTTT QCVN 18:2014/BTTTT (*)
Point-to-Multipoint radio equipment below 1 GHz using FH-CDMA	QCVN 49:2011/BTTTT QCVN 18:2014/BTTTT (*)
GSM repeater	QCVN 47:2015/BTTTT QCVN 103:2016/BTTTT (*)
W-CDMA FDD repeater	Allow the station to operate in the 2,100 MHz y band:  QCVN 66:2013/BTTTT QCVN 103:2016/BTTTT (*)
	Allow the station to operate in the 900

		MHz band: QCVN 47:2015/BTTTT QCVN 103:2016/BTTTT (*)
	E-UTRA FDD repeater	QC VN 111:2017/BTTTT QCVN 103:2016/BTTTT (*)
2.1.2	Radio transceivers used for television broadcast	
	Second generation terrestrial digital television (DVB-T2) transmitter	QCVN 77:2013/BTTTT
2.1.3	Radio transceivers used for voice broadcasting	
	Transmitting equipment for the amplitude modulated (AM) sound broadcasting service	QCVN 29:2011/BTTTT
	transmitting equipment for the frequency modulated (FM) sound broadcasting service	QCVN 30:2011/BTTTT
	Frequency modulated (FM) radio sound transmitting equipment operating in the frequency band 54 MHz to 68 MHz	QCVN 70:2013/BTTTT
2.1.4	Radio transceivers used in maritime mobile services ( including ancillary equipment and satellite equipment)	
	VHF radiotelephone used on inland waterways	QCVN 51:2011/BTTTT
	VHF radiotelephone for the maritime mobile service	QCVN 52:2011/BTTTT
	MF and HF radio telephone	QCVN 59:2011/BTTTT
	UHF radio telephone	QCVN 61:2011/BTTTT
2.1.5	Radio amateur equipment	QCVN 56:2011/BTTTT
2.2	<b>Radar equipment (including radar used in maritime mobile services and aeronautical mobile services)</b>	QCVN 47:2015/BTTTT QCVN 18:2014/BTTTT (*)
2.3	<b>Short-range radio transceivers (**)</b>	
2.3.1	Non-specific short range device	Allow the device to operate in the frequency band 9 kHz to 25 MHz:  QCVN 55:2011/BTTTT QCVN 96:2015/BTTTT (*)
		Allow the device to operate in the frequency band 35 MHz to 1 GHz:  QCVN 73:2013/BTTTT

		QCVN 96:2015/BTTTT (*)
		Allow the device to operate in the frequency band 1 MHz to 40 GHz:
		QCVN 74:2013/BTTTT QCVN 96:2015/BTTTT (*)
2.3.2	Radio equipment operating in the 2.4 GHz band and using spread spectrum modulation techniques	Allow the equipment to operate at an equivalent isotropically radiated power of from 60 mW to 100 mW:
		QCVN 54:2011/BTTTT QCVN 112:2017/BTTTT (*)
		Allow the equipment to operate at an equivalent isotropically radiated power of above 100 mW
		QCVN 47:2015/BTTTT QCVN 112:2017/BTTTT (*)
2.3.3	Radio access equipment operating in the 5 GHz band	QC.VN 65:2013/BTTTT QCVN 112:2017/BTTTT (*)
2.3.4	Radio Frequency Identification Equipment (RFID) operating in the band 866 MHz to 868 MHz	QCVN 95:2015/BTTTT QCVN 96:2015/BTTTT (*)
2.3.5	Ultra Wide Band (UWB) communication equipment	QCVN 47:2015/BTTTT QCVN 94:2015/BTTTT (*)
2.3.6	Wireless access equipments operating at Multiple-Gigabit data rates in the 60 GHz band	QCVN 88:2015/BTTTT QCVN 112:2017/BTTTT (*)
2.3.7	Wireless digital video link equipment	QCVN 92:2015/BTTTT QCVN 93:2015/BTTTT (*)
2.3.8	Cordless audio devices in the range 25 MHz to 2000 MHz	QCVN 91:2015/BTTTT
2.3.9	Other short-range radio transceivers (***)	Allow the device to operate in the frequency band 9 kHz to 40 GHz:
		QCVN 47:2015/BTTTT QCVN 96:2015/BTTTT (*)
		Allow the device to operate in the frequency band above 40 GHz:
		QCVN 18:2014/BTTTT (*)

<b>2.4</b>	<b>Radio equipment</b>	
2.4.1	Radio equipment	<p>Allow the point-to-point radio equipment to operate in the frequency band 1,4 GHz to 55 GHz:</p> <p>QCVN 53 2017/BTTTT QCVN 18:2014/BTTTT (*)</p>
		<p>Allow the radio equipment that is not a point-to-point one to operate in the frequency band 1,4 GHz to 55 GHz:</p> <p>QCVN 47:2015/BTTTT QCVN 18:2014/BTTTT (*)</p>

*Note: Certification of conformity and declaration of conformity of the commodities provided in the Appendix I in some cases:*

*(\*) The certification of conformity of the equipment herein to the regulation marked with (\*) is optional but the declaration of conformity thereof is compulsory in the same way as the one in the Appendix II hereof.*

*(\*\*) Certification of conformity and declaration of conformity shall be carried out only if the equipment specifications, operational conditions and band range are conformable to the Circular by the Minister of Information and Communications promulgating the list of license-exempt radio devices and accompanying specifications and operational conditions.*

*(\*\*\*) Other short-range radio transceivers mean any short-range radio transceiver that is not mentioned or has been mentioned in the List but not regulated by the respective applied technical standards and regulations specified in Section 2.3 of the List in the Appendix I hereof.*

## APPENDIX II

### LIST OF COMMUNICATIONS AND INFORMATION TECHNOLOGY COMMODITIES SUBJECT TO DECLARATION OF CONFORMITY

*(Enclosed with the Circular No. 04/2018/TT-BTTTT dated May 08, 2018 of the Minister of Information and Communications)*

No.	Name of commodities	Applied technical regulations and standards
<b>1</b>	<b>Information technology equipment</b>	
1.1	Desktop computer	TCVN 7189:2009

1.2	Server	TCVN 7189:2009
1.3	Laptop and portable computer	TCVN 7189:2009
1.4	Tablet	TCVN 7189:2009
1.5	Router	TCVN 7189:2009
1.6	Switch	TCVN 7189:2009
1.7	Gateway	TCVN 7189:2009
1.8	Fire wall	TCVN 7189:2009
<b>2</b>	<b>Radio and television equipment</b>	
2.1	Satellite television Set Top Box (except for satellite television DVB-S/S2 Set Top Box )	TCVN 7600:2010
2.2	DVB-S/S2 Digital Satellite Television set top box	QCVN 80:2014/BTTTT
2.3	Digital cable television set top box	TCVN 8666:2011
2.4	IPTV television set top box	TCVN 7189:2009
2.5	Digital terrestrial television DVB-T2 set top box	QCVN 63:2012/BTTTT
2.6	Digital receiver used in DVB-T2 digital terrestrial television broadcasting (iDTV)	QCVN 63:2012/BTTTT
2.7	Equipment in cabled distribution systems for television signal	QCVN 72:2013/BTTTT
<b>3</b>	<b>Terminal devices</b>	
3.1	Cordless telephone equipment	QCVN 10:2010/BTTTT QCVN 22:2010/BTTTT QCVN 18:2014/BTTTT
3.2	xDSL terminal equipment (except for ADSL2 and ADSL2+ transceiver)	QCVN 22:2010/BTTTT TCVN 7189:2009
3.3	ADSL2 and ADSL2+ transceivers	QCVN 98:2015:BTTTT
<b>4</b>	<b>Radio transceivers with a frequency band between 9 kHz and 400 GHz and capacity of 60 mW or more</b>	
4.1	Angle-modulated 27 MHz citizen's band radio equipment	QCVN 23:2011/BTTTT QCVN 18:2014/BTTTT
4.2	Double side band and/or single side band amplitude modulated 27 MHz citizen's band radio equipment	QCVN 25:2011/BTTTT QCVN 18:2014/BTTTT
4.3	Low Data Rate data transmission equipment operating in the 5.8 GHz use in Road Transport Traffic	QCVN 75:2013/BTTTT QCVN 18:2014/BTTTT
4.4	High Data Rate data transmission equipment operating in the 5.8 GHz band use in Road Transport Traffic	QCVN 76:2013/BTTTT QCVN 18:2014/BTTTT



4.5	Medium Data Rate data transmission equipment operating in the 5.8 GHz band use in Road Transport Traffic	QCVN 99:2015/BTTTT QCVN 18:2014/BTTTT
4.6	Terrestrial Trunked Radio (TETRA) equipment	QC VN 47:2015/BTTTT QCVN 100:2015/BTTTT
4.7	Radio transceivers used for standard broadcasting (frequency, time)	QCVN 47:2015/BTTTT QCVN 18:2014/BTTTT
4.8	Radio transceivers used for positioning and telemetry (except for those used offshore in petroleum industry)	QCVN 47:2015/BTTTT QCVN 18:2014/BTTTT
4.9	Radio navigation aids	QCVN 47:2015/BTTTT QCVN 18:2014/BTTTT
4.10	VSAT equipment (C band)	QCVN 38:2011/BTTTT QCVN 18:2014/BTTTT
4.11	VSAT equipment (Ku band)	QCVN 39:2011/BTTTT QCVN 18:2014/BTTTT
4.12	Mobile Earth Stations for Global Non-Geostationary Mobile-Satellite Service Systems in the Bands 1 - 3 GHz	QCVN 40:2011/BTTTT QCVN 18:2014/BTTTT
4.13	Mobile satellite Earth Station (MES) operating in the Ku band.	QCVN 116:2017/BTTTT
4.14	Shipborne watchkeeping receivers for reception of Digital Selective Calling operating in the MF, MF/HF and VHF bands of maritime mobile service	QCVN 97:2015/BTTTT QCVN 18:2014/BTTTT
4.15	VHF transmitter as coast station for GMDSS	QCVN 24:2011/BTTTT
4.16	Two-way VHF radiotelephone apparatus for fixed installation in survival craft	QCVN 26:2011/BTTTT
4.17	Inmarsat-C ship earth station equipment	QCVN 28:2011/BTTTT
4.18	VHF radiotelephone used on the survival craft	QCVN 50:2011/BTTTT
4.19	Emergency Position Indicating Radio Beacons (EPIRBs) operating in the 406.0 MHz – 406.1 MHz frequency band	QCVN 57:2011/BTTTT
4.20	Personal Locator Beacon (PLB) operating in the 406.0 MHz to 406.1 MHz frequency band	QCVN 108:2016/BTTTT
4.21	Digital selective calling equipment	QCVN 58:2011/BTTTT
4.22	Search and rescue radar transponders	QCVN 60:2011/BTTTT
4.23	Radiotelex equipment operating in maritime MF/HF service	QCVN 62:2011/BTTTT
4.24	Inmarsat-F77 ship earth station equipment	QCVN 67:2013/BTTTT
4.25	Shipborne equipment of the automatic identification systems (AIS)	QCVN 68:2013/BTTTT

4.26	AIS Search and Rescue Transmitter	QCVN 107:2016/BTTTT
4.27	Ground-based radio equipment for aeronautical mobile service using amplitude modulation in the frequency band 117.975-137 MHz	QCVN 105:2016/BTTTT QCVN 106:2016/BTTTT
4.28	Ground-based radio equipment for aeronautical mobile service in the frequency band 117.975-137 MHz	QCVN 47:2015/BTTTT QCVN 106:2016/BTTTT
4.29	Glidepath equipment for radio navigation aids	QCVN 104:2016/BTTTT QCVN 18:2014/BTTTT
4.30	Other equipment	QCVN 47:2015/BTTTT QCVN 18:2014/BTTTT
<b>5</b>	<b>Lithium batteries for laptops, mobile phones and tablets</b>	QCVN 101:2016/BTTTT

*Note:*

*Certification of conformity and declaration of conformity of the commodities provided in the Appendix II in some cases:*

*(\*\*\*) Other equipment means any radio transceiver with a frequency band between 9 kHz and 400 GHz and capacity of 60 mW or more that is not mentioned or has been mentioned in the List but not regulated by the respective applied technical standards and regulations specified in Section 2.3 of the List in the Appendix I and Section 4 of the List in the Appendix II hereof.*

*(\*\*) Only safety features of commodities are subject to declaration of conformity as stipulated in Article 2.6 of QCVN 101:2016/BTTTT.*

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