

## APPENDIX I

### LIST OF PRODUCTS AND GOODS SPECIALIZED IN INFORMATION AND COMMUNICATION TECHNOLOGY THAT ARE REQUIRED TO CERTIFY CONFORMITY AND ANNOUNCE CONFORMITY

*(Attached to Decision No. 2261/QĐ-BTTTT dated December 28, 2018 of the Minister of Information and Communications)*

STT	HS code according to Circular No. 65/2017/TT-BTC	Names of products and goods according to the provisions of Circular No. 04/2018/TT-BTTTT	Product and goods
<b>1</b>	<b>Terminals</b>		
1.1	8517.11.00	DECT Radio Subscriber Extended Type Cordless Telephone Equipment	The wired telephone set consists of a mother unit (Base Station) accompanied by one or several wireless telephones extended by radio waves (subunits) using DECT technology. Handheld mobile phones (substations) connect to the fixed network through the base station, which is a fixed telephone that connects calls to the fixed network
1.2	8517.12.00	Public Ground Mobile Information Terminal	
		GSM Mobile Communication Terminal	<p>Phones or mobile terminals using GSM (2G network) technology may or may not integrate one or more of the following functions:</p> <ul style="list-style-type: none"> <li>- W-CDMA FDD Mobile Information Terminal;</li> <li>- E-UTRA FDD Mobile Information Terminal;</li> <li>- Radio transceivers using spectrum modulation techniques in the 2.4 GHz band;</li> <li>- Radio access in the 5 GHz band;</li> <li>- Transmitting, receiving and transmitting short-range radios.</li> </ul>

		W-CDMA FDD Mobile Information Terminal	<p>Telephones or mobile terminals using W-CDMA FDD (3G network) technology may or may not integrate one or more of the following functions:</p> <ul style="list-style-type: none"> <li>- GSM mobile communication terminal;</li> <li>- E-UTRA FDD Mobile Information Terminal;</li> <li>- Radio transceivers using spectrum modulation techniques in the 2.4 GHz band;</li> <li>- Radio access in the 5 GHz band;</li> <li>- Transmitting, receiving and transmitting short-range radios.</li> </ul>
		E-UTRA FDD Mobile Information Terminal	<p>Phones or mobile terminals using E-UTRA FDD (4G/LTE network) technology with or without one or more of the following functions:</p> <ul style="list-style-type: none"> <li>- GSM mobile communication terminal;</li> <li>- W-CDMA FDD Mobile Information Terminal;</li> <li>- Radio transceivers using spectrum modulation techniques in the 2.4 GHz band;</li> <li>- Radio access in the 5 GHz band;</li> <li>- Transmitting, receiving and transmitting short-range radios.</li> </ul>
<b>2</b>	<b>Radio Equipment</b>		
<b>2.1</b>	<b>Radio transmitters, receivers and transmitters have a frequency band in the range of 9 kHz to 400 GHz and have a transmitting power of 60 mW or more</b>		
2.1.1	Radio transmitters, receivers and transmitters used in fixed or mobile terrestrial radio communications operations		
	8517.61.00	GSM Mobile Information Base Station Equipment	Base station equipment (BTS stations) in mobile phone networks using GSM technology (2G

		network) with or without the integration of one or two of the following functions:  <ul style="list-style-type: none"> <li>- W-CDMA FDD mobile communication base station equipment;</li> <li>- E-UTRA FDD mobile communication base station equipment.</li> </ul>
8517.61.00	W-CDMA FDD Mobile Information Base Station Equipment	Base station equipment (BTS stations) in mobile phone networks using W-CDMA FDD (3G network) technology may or may not integrate one or two of the following functions:  <ul style="list-style-type: none"> <li>- GSM mobile communication base station equipment;</li> <li>- E-UTRA FDD mobile communication base station equipment.</li> </ul>
8517.61.00	E-UTRA FDD Mobile Information Base Station Equipment	Base station equipment (BTS stations) in mobile phone networks using E-UTRA FDD (4G/LTE network) technology may or may not integrate one or two of the following functions:  <ul style="list-style-type: none"> <li>- GSM mobile communication base station equipment;</li> <li>- W-CDMA FDD mobile communication base station equipment.</li> </ul>
8517.12.00	Terrestrial mobile radio equipment with an antenna for analog voice	Portable radio equipment with an integrated antenna uses angular modulation in terrestrial fluids, mainly for analog voices, operating in the radio frequency range from 30 MHz to 1000 MHz with channel spacing of 12.5 kHz and 25 kHz.
8517.12.00 8517.61.00	Mobile terrestrial radio equipment with detachable antennas for data (and voice) transmission	Digital radio equipment and analog/digital combination equipment with discrete antennas for the purpose of transmitting data and/or voice, including:

			<ul style="list-style-type: none"> <li>- Base station equipment (with antenna socket used in a fixed position) (8517.61.00);</li> <li>- Mobile stations (with antenna sockets that are commonly used on one side) or handheld machines for the purpose of transmitting data and/or voice (8517.12.00).</li> </ul>
8517.12.00 8517.61.00	Mobile terrestrial radio equipment with detachable antenna for analog voice		<p>Devices in the angle modulation system used in the mobile terrestrial service, operating at radio frequencies between 30 MHz and 1000 MHz, with a channel spacing of 12.5 kHz and 25 kHz for analog voice, include:</p> <ul style="list-style-type: none"> <li>- Base station equipment (with antenna sockets) (8517.61.00);</li> <li>- Mobile station (with antenna socket) (8517.12.00);</li> <li>- Handset with antenna socket; or without an antenna socket (continuous antenna device) but with a fixed or temporary internal <math>\Omega</math> RF 50 connector that allows connection to the transmitter output port and receiver input port (8517.12.00).</li> </ul>
8517.12.00	Terrestrial mobile radio equipment with built-in antennas for data transmission (and voice)		<p>Terrestrial mobile radio equipment using constant enveloped angular modulation, operating in the radio frequency range from 30 MHz to 1 GHz, with channel spacing of 12.5 kHz and 25 kHz, including digital or analog/digital radio handsets that use an integrated antenna to transmit data and/or voice</p>
8517.62.59	Point Radio Equipment – Sub-1 GHz Band Multipoint Using TDMA Access		<p>Radio terminals and relay radio equipment in point-to-multipoint (P-MP) relay radio systems using the time-division multi-access method (TDMA) in the sub-1 GHz band</p>
8517.62.59	Point Radio Equipment – Sub-1 GHz band multipoint using FDMA access		<p>Radio terminals and relay radio equipment in point-to-multipoint (P-MP) relay radio systems using the frequency division multi-access method (FDMA) in the sub-1 GHz band</p>

	8517.62.59	Point Radio Equipment - Multipoint sub-1 GHz frequency band using DS-CDMA access	Radio terminals and relay radio equipment in point-to-multipoint (P-MP) relay radio systems using the multi-access method divided by direct spectrum code (DS-CDMA.) in the frequency band less than 1 GH
	8517.62.59	Point Radio Equipment - Sub-1 GHz Band Multipoint Using FH-CDMA Access	Radio terminals and relay radio equipment in point-to-multipoint relay (P-MP) radio systems using the frequency hopping spectrum spread multi-access method (FH-CDMA) in the frequency band below 1 GHz
	8517.62.59	GSM Mobile Information Repeater	Devices with the function of receiving and retransmitting signals of mobile communication networks using GSM (2G) technology with or without integrated one or two of the following functions:  - W-CDMA FDD mobile information repeat;  - E-UTRA FDD Mobile Information Repeat.
	8517.62.59	W-CDMA FDD Mobile Information Repeater	Devices with the function of receiving and replaying signals of mobile communication networks using W-CDMA FDD (3G) technology may or may not integrate one or two of the following functions:  - GSM mobile information repeat;  - E-UTRA FDD Mobile Information Repeat.
	8517.62.59	E-UTRA FDD Mobile Information Repeater	Devices with the function of receiving and retransmitting signals of mobile communication networks using E-UTRA FDD (4G/LTE) technology with or without integrating one or two of the following functions:  - GSM mobile information repeat;  - W-CDMA FDD Mobile Information Repeat.
2.1.2	Radio broadcasting, receiving-broadcasting equipment specialized for television broadcasting		

	8525.50.00	DVB-T2 Digital Video Generator	The transmitter for terrestrial broadcasting services uses digital DVB-T2 standard with a channel band width of 8 MHz.
2.1.3	Specialized radio transmitters, receivers and transmitters for radio broadcasting		
	8525.50.00	Broadcast equipment using margining (AM) technology	Marginalized (AM) radio equipment used for broadcasting operations working in the mid-wave (from 526.5 kHz to 1606.5 kHz) and shortwave (from 3.2 MHz to 26.1 MHz) frequency bands
	8525.50.00	Broadcasting equipment using frequency modulation (FM) technology	Frequency Modulated Radio (FM) equipment used for broadcast broadcasting operations working in both mono and stereo modes, frequency range 68 MHz ÷ 108 MHz
	8525.50.00	Wireless radio equipment using frequency modulation (FM) techniques in the band 54 MHz to 68 MHz	The wireless radio equipment uses the frequency modulation (FM) technique in the band 54 MHz to 68 MHz, working in mono mode
2.1.4	Specialized radio transmitters, receivers and transmitters for maritime mobile operations (including auxiliary equipment and satellite equipment)		
	8517.18.00	VHF telephone equipment used on the river	VHF radio transmitters operate in the maritime mobile business bands for use on rivers
	8517.18.00	VHF telephone equipment used for maritime mobile operations	VHF transmitters for voice and number picking (DSC), with external antenna connectors for use on boats
	8517.18.00	MF and HF Radio Telephone Equipment	Receivers and radio transmitters, used on large ships, operating only in the medium frequency (MF) or in the medium and high frequency bands (MF/HF), allocated for the maritime mobile service (MMS), include:  - Single-edge modulation equipment (SSB) for voice transmission and reception (J3F);

			<p>- Frequency Displacement Locking Equipment (FSK) or SSB modulation of sub-carriers with keys for transmitting and receiving and transmitting Number-Selective Call (DSC) signals;</p> <p>- Radio equipment, which does not integrate with DSC encoders or decoders, but identifies interfaces with such equipment.</p>
	8517.18.00	UHF Radio Telephone Equipment	UHF radio equipment is installed in large vessels and systems operating on frequencies allocated for marine mobile services
2.1.5	8517.62.59	Amateur Radio Equipment	Radio transmitters, receivers and transmitters operating in the frequency band allocated to amateur radio operations (allocated according to the provisions of the National Radio Frequency Spectrum Plan)
2.2	8526.10.10 8526.10.90	<b>Radar equipment (including radar equipment used for maritime mobile operations and aviation mobile operations)</b>	All types of radar equipment used on the ground, or equipped on civil aircraft, or used only on seagoing vessels or other types
2.3	<b>Short-range radio transmitters, receivers and transmitters</b>		
2.3.1	8504.40.90 8525.50.00 8517.62.59 8517.62.69 8526.10.10 8526.10.90 8526.91.10	Short-range radio transmitters, receivers and transmitters for general purposes	<p>Short-range radio transmitters or receivers used for the purpose of warning, alarm, identification, remote control and remote measurement:</p> <ul style="list-style-type: none"> <li>- Inductive loop systems (wireless charging);</li> <li>- Personal FM transmitter;</li> <li>- Other short-range transceivers;</li> <li>- Devices with external antenna connectors and/or with built-in antennas;</li> </ul>

	8526.91.90 8526.92.00		- Warning, identification, remote control, telemetry devices;  - Voice or non-voice devices.
2.3.2	8517.62.51	Radio transceivers using a spread-spectrum modulation technique in the 2.4 GHz band	WiFi receivers and transmitters used in wireless intranets in the 2.4 GHz band (WiFi modems, WiFi transmitters) with an equivalent isotropic radiated power of 60 mW or more, with or without one or more of the following functions:  - Radio access in the 5 GHz band;  - GSM mobile communication terminal;  - W-CDMA FDD Mobile Information Terminal;  - E-UTRA FDD (4G/LTE) mobile communication terminal;  - Other short-range radio transceivers.
	8802.20.90		The drone is remotely controlled, integrates a radio module using a spectrum modulation technique in the 2.4 GHz band, with an isotropic radiation power equivalent to 60 mW or more to control and transmit images and signals to the ground
	8802.20.90		UAV/Drone is remotely controlled, integrated with a radio module using a spectrum modulation technique in the 2.4 GHz band, with an isotropic radiation power equivalent to 60 mW or more to control and transmit images and signals to the ground
2.3.3	8517.62.51	5 GHz band radio access equipment	WiFi receivers and transmitters used in wireless intranets in the 5 GHz band (WiFi modems, WiFi transmitters), with or without one or more of the following functions:  - Radio transceivers using spectrum modulation techniques in the 2.4 GHz band;

			<ul style="list-style-type: none"> <li>- GSM mobile communication terminal;</li> <li>- W-CDMA FDD Mobile Information Terminal;</li> <li>- E-UTRA FDD (4G/LTE) mobile communication terminal;</li> <li>- Other short-range radio transceivers.</li> </ul>
	8802.20.90		The drone is remotely controlled, integrated with a radio module that uses a spectrum modulation technique in the 5 GHz band to control, transmit images and signals to the ground
	8802.20.90		UAV/Drone is remotely controlled, integrated with a radio module using a spectrum modulation technique in the 5 GHz band to control, transmit images and signals to the ground
2.3.4	8517.62.59	Radio Identification Equipment (RFID) in the 866 MHz to 868 MHz band	<p>Devices in the automatic identification system (including RFID detectors and tags), specifically:</p> <ul style="list-style-type: none"> <li>- Fixed reading devices;</li> <li>- Portable reading devices;</li> <li>- Passive cards;</li> <li>- Semi-passive cards;</li> <li>- Positive cards.</li> </ul>
2.3.5	8517.62.59	Ultra Wideband Information Equipment (UWB)	<p>Devices that use ultra-wideband (UWB) technology for fixed indoor or mobile and portable applications, including:</p> <ul style="list-style-type: none"> <li>- Independent radio equipment with or without attached controls;</li> <li>- Modular plug-in radio devices used to plug into different host devices, such as personal computers, handheld terminals, etc.;</li> </ul>

			<ul style="list-style-type: none"> <li>- Plug-in radio equipment used in complex equipment, such as cable modems, set-top boxes, access points;</li> <li>- Combined equipment or combinations of plug-in radio equipment and a specific host device;</li> <li>- Equipment used in road and railway vehicles.</li> </ul>
2.3.6	8517.62.51	60 GHz band high-speed radio access equipment	Applicable to high-speed radio access equipment, up to Gigabit, for applications in WLAN wireless intranets or short-range WPAN wireless private networks operating in the 60 GHz band (not applicable to radio equipment used for outdoor fixed LAN extension applications or radio transmission applications) fixed point – the point of operation in the 60 GHz band)
2.3.7	8525.50.00 8525.60.00	Wireless Digital Image Transmitter	<p>Wireless digital image transmission equipment operates in the frequency range from 1.3 GHz to 50 GHz, with a maximum allowable channel bandwidth of 5 MHz, 10 MHz, 20 MHz.</p> <ul style="list-style-type: none"> <li>- Transmitter (8525.50.00);</li> <li>- Transmitter attached to receiver (8525.60.00).</li> </ul>
2.3.8	8518.10.11 8518.10.19 8518.10.90 8518.21.10 8518.21.90 8518.22.10 8518.22.90 8518.29.20	Wireless audio equipment in the 25 MHz to 2000 MHz frequency range	<p>Microphone and microphone stand; speakers, whether or not assembled into the speaker housing; headphones with a head-through frame and headphones without a head-through frame, with or without a microphone, and the sets consist of a microphone and one or more speakers. Applicable to wireless audio devices with the following 25MHz ÷ 2000 MHz operating frequency ranges:</p> <ul style="list-style-type: none"> <li>- Wireless headphones;</li> <li>- Wireless speakers;</li> <li>- In-ear monitoring devices using analog modulation with a band width of 300 kHz or</li> </ul>

	8518.29.90		FDMA digital modulation with a band width of 300 kHz, 600 kHz, 1200 kHz;
	8518.30.10		
	8518.30.20		
	8518.30.51		- Wireless audio equipment used in automobiles;
	8518.30.59		- Personal wireless devices;
	8518.30.90		- Equipment in a wideband multi-channel audio system;
			- Low-power devices in the frequency range of 87.5 MHz to 108 MHz using analog modulation with a band width not greater than 200 kHz.
2.3.9	8517.62.59	Other short-range radio transmitters and transceivers	Short-range radio transmitters and transceivers are not listed, or have been listed in Section 2.3 of this Appendix but are not governed by the corresponding applicable standards and technical regulations
	8526.92.00		Radio Remote Control Equipment
	8526.92.00		Radio Alarm and Detection Equipment
	8526.10.90		Radio telemetry equipment
	8517.62.59		The non-stop traffic toll collection device adopts high-power 920-923 MHz band RFID radio identification technology over 500 mW ERP, consisting of two separate blocks connected through a radio interface:  - Radio tags (RF tags) carrying electronic chips, with or without a power source, are mounted on the object to be identified. The electronic chip contains information about the object;  - The radio frequency reader (RF Reader) emits a certain frequency to activate the radio card, and the radio card will emit the card's information. This information is captured by the reader and transmitted to the data processing system.

	8517.62.10		UHF 470-694 MHz band wireless audio transmission equipment with a high power of over 30 mW ERP for operations in the field of broadcasting
<b>2.4</b>	<b>Digital Microwave Transmitters</b>		
	8517.62.59	Digital Microwave Devices	Transmission equipment combined with receivers using digital microwave technology

## APPENDIX II

### LIST OF PRODUCTS AND GOODS SPECIALIZED IN INFORMATION AND COMMUNICATION TECHNOLOGY THAT ARE REQUIRED TO DECLARE CONFORMITY

*(Attached to Decision No. 2261/QĐ-BTTTT dated December 28, 2018 of the Minister of Information and Communications)*

STT	HS code according to Circular No. 65/2017/TT-BTC	Names of products and goods according to the provisions of Circular No. 04/2018/TT-BTTTT	Product description, goods
<b>1</b>	<b>Information Technology Equipment</b>		
1.1	8471.41.10	Desktop computer	<p>The device is designed to contain in the same enclosure, having at least one central processing unit, one input unit, and one output unit, combined or not combined, with or without integrating one or more functions:</p> <ul style="list-style-type: none"> <li>- Radio transceivers using spectrum modulation techniques in the 2.4 GHz band;</li> <li>- 5 GHz band radio access.</li> </ul>
1.2	8471.41.90 8471.49.90	Server	The device is contained in the same enclosure with at least one central processing unit, one input unit, and one output unit, combined or not combined.

			<p>It is a computer with the function of storing and processing big data to operate and manage information technology systems, using its own operating system, often used as a center to connect computers in an office, company, agency together... and is a place for data exchange, general operation of computer networks, using the same printer, as a server for the web and webmail,... with or without the integration of one or more functions:</p> <ul style="list-style-type: none"> <li>- Radio transceivers using spectrum modulation techniques in the 2.4 GHz band;</li> <li>- 5 GHz band radio access.</li> </ul>
1.3	8471.30.20	Laptop and portable computer	<p>Portable automatic data processing machines, weighing no more than 10 kg, consisting of at least one central data processing unit, a keyboard and one monitor, with or without one or more functions:</p> <ul style="list-style-type: none"> <li>- Radio transceivers using spectrum modulation techniques in the 2.4 GHz band;</li> <li>- Radio access in the 5 GHz band;</li> <li>- Short-range radio transceivers.</li> </ul>
1.4	8471.30.90	Tablet	<p>Portable automatic data processing machines, weighing no more than 10 kg, consisting of at least one central data processing unit, one keyboard and one monitor (except for laptops, notebooks, subnotebooks), with or without one or more functions:</p> <ul style="list-style-type: none"> <li>- Radio transceivers using spectrum modulation techniques in the 2.4 GHz band;</li> <li>- Radio access in the 5 GHz band;</li> <li>- Short-range radio transceivers.</li> </ul>

1.5	8517.62.21	Router	<p>A network device is used to transfer data packets over a network link between different network nodes or user terminals, with or without one or more functions:</p> <ul style="list-style-type: none"> <li>- Radio transceivers using spectrum modulation techniques in the 2.4 GHz band;</li> <li>- 5 GHz band radio access.</li> </ul>
1.6	8517.62.29	Switch	<p>A network device used to connect network segments to each other, route and transmit data according to IP addresses, with or without one or more functions:</p> <ul style="list-style-type: none"> <li>- Radio transceivers using spectrum modulation techniques in the 2.4 GHz band;</li> <li>- 5 GHz band radio access.</li> </ul>
1.7	8517.62.21	Gateway	<p>The device works to connect different types of networks, allowing the coordination of two different types of data without creating complex changes to the infrastructure of the existing network.</p>
1.8	8517.62.29	Fire wall equipment	<p>The device uses hardware rules to control data entering or exiting a computer network, acting as a barrier and allowing only appropriate (predefined) types of data to enter or exit the system.</p>
<b>2</b>	<b>Radio and television equipment</b>		
	8528.71.91 8528.71.99	Set Top Box in satellite television networks (except DVB-S/S2)	<p>The satellite television signal decoder is in analog form, without the function of information interaction.</p>
	8528.71.91 8528.71.99	DVB- S/S2 satellite digital television signal decoder	<p>The receiver is used to receive and decode free to air (FTA) satellite TV signals with DVB-S and/or DVB-S2 technology, supports SDTV/HDTV, and does not have the function of information interaction</p>

	8528.71.1 1		
	8528.71.19	Set Top Box in a cable television network	Signal decoders in cable television networks use digital. The device may or may not have the function of interacting with the service provider
	8528.71.91	using digital	
	8528.71.99		
	8528.71.11		
	8528.71.19	Set Top Box in IPTV TV Network	Signal decoders in IPTV television networks (television over the internet). The device may or may not have the function of interacting with the service provider
	8528.71.91		
	8528.71.99		
	8528.71.91	DVB-T2 Set Top Box	The digital terrestrial television signal decoder uses DVB-T2 technology, without information interaction function
	8528.71.99		
	8528.72.92	Video recorder with built-in DVB-T2 (iDTV) digital terrestrial television signal receiver function	The receiver used in television has the function of decoding digital terrestrial television signals using DVB-T2 technology. Designed to mount a video device or screen, is colored, is not battery-operated, and does not use a good beam-shaped light tube
	8528.72.99		
	8517.62.49	Amplifiers in cable TV distribution networks	Equipment with signal amplification function used in cable television networks (carrier wired systems or digital wired systems)
<b>3</b>	<b>Terminals</b>		
3.1	8517.11.00	Cordless telephone equipment (subscriber extension type)	Wireless telephone equipment of the radio subscriber extension type, with a transmitter power of up to 25 W exploited on a fixed telephone network, is used to transmit analog voice signals and is connected to a fixed telephone network via a two-wire analog interface (except for DECT equipment). This device consists of two separate blocks that are connected to each other via a radio interface:

			<ul style="list-style-type: none"> <li>- Central block (also known as base station or mother computer): fixed and connected to the telephone wires of the public telephone network (PSTN); use a built-in antenna or an external antenna;</li> <li>- Portable blocks (also called submachines): handheld machines that use built-in antennas and tabletop machines or installed on mobile vehicles that use external antennas. This block carries the phone subscriber number of the central block and can talk internally with the central block.</li> </ul>
3.2	8517.62.41	xDSL terminals (except ADSL2 and ADSL2+ terminals)	<p>Terminals (modulation/demodulation) using xDSL technology, e.g.:</p> <ul style="list-style-type: none"> <li>- ISDN- Integrated Services Digital Network;</li> <li>- HDSL- high-bit-rate digital subscriber line;</li> <li>- VDSL- very-high-bit-rate digital subscriber line.</li> </ul>
3.3	8517.62.41	ADSL2 and ADSL2+ Terminals	ADSL2 and ADSL2+ (modulation/demodulation) ADSL terminals support simultaneous transmission of voice services and transmission channels via a pair of metal wires, duplex, frequency division (FDD)
<b>4</b>	<b>Radio transmitters, receivers and transmitters have a frequency band in the range of 9 kHz to 400 GHz and have a transmitting power of 60 mW or more</b>		
4.1	8517.12.00 8517.61.00	27 MHz residential band angular modulation radio equipment	<p>Constant envelope angle modulation equipment used in terrestrial mobile operations, using existing bandwidths, operating on radio frequency bands of the 27 MHz residential band, with a channel spacing of 10 kHz, for voice and data transmission, comprise:</p> <ul style="list-style-type: none"> <li>- Base station (equipment with antenna socket, used in a fixed position) (8517.61.00);</li> </ul>

			<ul style="list-style-type: none"> <li>- Mobile devices (devices with antenna sockets, commonly used in vehicles or mobile stations) (8517.12.00);</li> <li>- And a handheld mobile device (With antenna socket; or without an external antenna socket) (8517.12.00).</li> </ul>
4.2	8517.12.00 8517.61.00 8517.62.59	27 MHz residential band single-sided and/or dual-edge modulated radio equipment	<p>Analog and analog-digital radio equipment combined, with internal or external antenna connectors, operating in the 27 MHz residential band, single-edge and/or dual-edge modulation, 10 kHz channel spacing, used for data and voice transmission, including:</p> <ul style="list-style-type: none"> <li>- Base stations (equipment with antenna sockets, used at fixed locations) (8517.61.00);</li> </ul>
			<ul style="list-style-type: none"> <li>- Mobile devices (devices with antenna sockets, commonly used in vehicles or mobile stations) (8517.12.00, 8517.62.59);</li> <li>- Portable mobile devices (with antenna sockets; or without external antenna sockets) (8517.12.00, 8517.62.59).</li> </ul>
4.3	8517.62.59	5.8 GHz band low-speed data transmission equipment applied in the field of transportation	<p>Low-speed data transmission equipment in the 5.8 GHz band used in road traffic (Transmission equipment combined with receiver equipment):</p> <ul style="list-style-type: none"> <li>- Have a radio output connection and an antenna or have a built-in antenna;</li> <li>- For data transmission only;</li> <li>- Upward and downward data rates up to 31.5 kbit/s;</li> <li>- Operates at radio frequencies in the range of 5725 MHz to 5875 MHz.</li> </ul>
4.4	8517.62.59	5.8 GHz band high-speed data transmission equipment applied in	<p>High-speed data transmission equipment in the 5.8 GHz band used in the field of transportation</p>

		the field of transportation	<p>(Transmission equipment combined with receiver equipment):</p> <ul style="list-style-type: none"> <li>- Have a radio output connection and an antenna or have a built-in antenna;</li> <li>- For data transmission only;</li> <li>- Upward and downward data rates up to 1 Mbit/s;</li> <li>- Operates at radio frequencies in the range of 5725 MHz to 5875 MHz.</li> </ul>
4.5	8517.62.59	Medium speed data transmission equipment in the 5.8 GHz frequency band applied in the field of transportation	<p>Medium-speed data transmission equipment operating in the 5.8 GHz frequency band used in road traffic (Transmission equipment combined with receiver equipment):</p> <ul style="list-style-type: none"> <li>- Have a radio output connection and a discrete antenna or have a built-in antenna;</li> <li>- Used for digital data transmission;</li> <li>- Data rates up to 250 kbit/s and up to 500 kbit/s;</li> <li>- Operates at radio frequencies in the range of 5,725 GHz to 5,875 GHz.</li> </ul>
4.6	8517.61.00 8517.12.00 8517.62.59 8517.62.69	Radio Terrestrial Trunking Equipment (TETRA)	<p>TETRA terrestrial radio relay equipment, including:</p> <ul style="list-style-type: none"> <li>- Mobile phone (MS) (8517.12.00);</li> <li>- Base Station Equipment (BS) (8517.61.00);</li> <li>- Mobile phones - direct mode (DM-MS) (8517.12.00);</li> <li>- Mobile Phones - DW (DW-MS) (8517.12.00);</li> <li>- Gate devices - direct mode (DM-GATE), non-telephone (8517.62.59, 8517.62.69);</li> </ul>

			<ul style="list-style-type: none"> <li>- Repeater device – direct mode (DM-REP), not phone (8517.62.59);</li> <li>- Repeat/port device - direct mode (DM-REP/GATE), non-phone (8517.62.59);</li> <li>- Repeater – trunk mode (TMO-REP), non-telephone (8517.62.59);</li> <li>- Mobile equipment of TETRA radio communication systems, not telephones (8517.62.59, 8517.62.69).</li> </ul>
4.7	8517.62.59 8517.62.69	Specialized radio transmitters, receivers and transmitters for standard transmission (frequency, time)	Radio transmitters, receivers and transmitters are specialized for standard transmission (frequency, time) but not for telegraphs/telephones
4.8	8517.62.59 8517.62.69	Radio transmitters, receivers and transmitters specialized for remote positioning and measurement (except for offshore equipment for the oil and gas industry)	Radio transmitters, receivers and transmitters exclusively for remote positioning and measurement (except for offshore equipment for the oil and gas industry) but not for telegraphs/telephones
4.9	8526.91.10 8526.91.90	Radio Navigation Equipment	Radio navigation equipment used for the purpose of navigation and warning of obstacles in the service of marine navigation radio, navigation radio via satellite, radio navigation via satellite, air navigation and air navigation via satellite
4.10	8517.62.59	VSAT devices operating in the C-band	VSAT equipment (Transmission equipment combined with receiving equipment) operating in the C-band of satellite communication services in geostationary orbit
4.11	8517.62.59	VSAT devices operating in the Ku band	VSAT (Transmission Equipment in Combination with Receiver Equipment) operating in the Ku band of satellite communication services in geostationary orbit

4.12	8517.62.59	Ground mobile terminal of the global mobile communication system via non-geostationary satellite in the band 1 - 3 GHz	Terrestrial mobile terminal station (device) of the global mobile communication system via non-geostationary satellite in the band 1-3 GHz (Transmission equipment combined with receiving equipment)
4.13	8517.62.59	Portable Ground Station Equipment Operating in Ku Band	Mobile ground station (MES) equipment (except for aviation mobile earth stations, operating in the Ku band) operating in the frequency bands of fixed operations via satellite (FSS) (Transmission equipment combined with receiving equipment): <ul style="list-style-type: none"> <li>- 10.70 GHz to 11.70 GHz (from space to earth);</li> <li>- 12.50 GHz to 12.75 GHz (from space to earth);</li> <li>- 14.00 GHz to 14.25 GHz (direction from earth to space).</li> </ul>
4.14	8517.62.59	Serial call receivers on ships operating on MF, MF/HF and VHF frequency bands in maritime mobile operations	Radio-only receivers (on board/ashore, can be integrated with DSCs or telephone transceivers), listen to the telegraphic signals emitted by DSCs to know the status of the ship and determine the next communication method)
4.15	8517.62.59	VHF radio transceivers of coastal stations of GMDSS system	Transmitters, transceivers with external antenna connectors of coastal stations, operating in the VHF band of maritime mobile operations and using G3E and G2B emission types for DSC signaling: <ul style="list-style-type: none"> <li>- The device operates in the band from 156 MHz to 174 MHz;</li> <li>- The device is operated by on-site control or remote control;</li> <li>- The device operates with a channel spacing of 25 kHz;</li> </ul>

			<ul style="list-style-type: none"> <li>- Analog voice devices, DSC, or both;</li> <li>- The device operates in single-strike, semi-duplex and duplex modes;</li> <li>- The device can consist of many blocks;</li> <li>- The device can be single-channel or multi-channel;</li> <li>- Equipment operating on shared radio wave areas;</li> <li>- The equipment operates separately from other radio equipment.</li> </ul>
4.16	8517.18.00	Two-way VHF telephone equipment permanently installed on the rescue ship	Two-way VHF radio telephone equipment, operating in the band from 156 MHz to 174 MHz for use in maritime mobile operations and suitable for fixed installation on rescue vessels of the Global Maritime Safety and Rescue Information System (GMDSS)
4.17	8517.62.59	Inmarsat-C equipment used on ships	INMARSAT-C ground station equipment used on ships of the Global Maritime Safety and Rescue Information System (GMDSS) (Transmission equipment combined with receiver equipment)
4.18	8517.18.00	VHF telephone equipment used on the rescue ship	Portable VHF radio telephone equipment operating in the maritime mobile business frequency band from 156 MHz to 174 MHz; suitable for use on rescue vessels and can be used in vessels at sea
4.19	8517.62.61	Marine Emergency Location Indication Radio Buoy (EPIRB) operating in the band 406.0 MHz to 406.1 MHz	Emergency Location Indication (EPIRB) Radio Buoy (telegraph transmitter only) via satellite operated in the COSPAS-SARSAT satellite system for radio communication in the Global Maritime Safety and Rescue Information System (GMDSS)
4.20	8517.62.61	Personal position indicator float operates on the 406.0 MHz to 406.1 MHz band	The Buoy (transmitter for telegraph only) personal position indication device (hereinafter referred to as PLB buoy) operates in the Cospas-Sarsat satellite system. These PLB buoys operate on the

			406.0 MHz to 406.1 MHz band and have a temperature range:  - From -40 °C to 55 °C (type 1 PLB float), or  - From -20°C to 55°C (type 2 PLB float).
4.21	8517.62.59	The device selects the DSC number	Number Selective Caller (DSC), not a telephone device operating in the MF, MF/HF and/or VHF bands in the Global Maritime Safety and Rescue Information System (GMDSS) commonly used on ships and boats (Transmission equipment combined with receiver equipment)
4.22	8526.10.10	Search and Rescue Radar Transponder	Multi-radar transponder operating in the 9200 ÷ 9500 MHz band for search and rescue purposes
4.23	8517.62.59	Radiotelex equipment used in maritime MF/HF operations	Radiotelex equipment used on ships in the Global Maritime Safety and Rescue Information System (GMDSS) (Transmission equipment combined with receiver equipment)
4.24	8517.62.59	Inmarsat F77 equipment used on ships	Inmarsat F77 ground station equipment used on ships (SES) belongs to the GMDSS (Transmission Equipment in Combination with Receiver Equipment)
4.25	8526.91.10	Devices in the AIS automatic identification system used on ships	Radio equipment used in automatic identification systems used on seagoing ships (determining the position of one's own ship and surrounding ships and boats within a certain range to adjust the direction and speed accordingly)
4.26	8517.62.53	The identification device automatically broadcasts search and rescue alarms	Automatic identification device for transmitting search and rescue alarms (AIS SART) (Transmission equipment combined with receiver equipment for telegraphy)
4.27	8517.61.00 8517.12.00 8517.62.59 8517.62.69	Radio equipment in the aviation mobile service in the 117,975 - 137 MHz band used on the ground using AM modulation	A transmitter or transmitter that incorporates a full-carrier dual-band modulated VHF radio receiver (DSB AM), with a channel spacing of 8.33 kHz or 25 kHz for analog voice to transmit information to ACARS. The equipment includes:

			<ul style="list-style-type: none"> <li>- Ground base station equipment (8517.61.00);</li> <li>- Mobile devices (8517.12.00, 8517.62.59, 8517.62.69);</li> <li>- Handheld devices and handheld devices for use on the ground (8517.12.00, 8517.62.59, 8517.62.69).</li> </ul>
4.28	8517.61.00 8517.12.00 8517.62.59 8517.62.69	Radio equipment in the aviation mobile service in the 117,975 - 137 MHz band used on the ground	Ground base station equipment (8517.6100), mobile devices, portable devices, and handheld devices for use on the ground (8517.12.00, 8517.62.59, 8517.62.69). These radios can operate in all or part of the band 117.975 MHz - 137 MHz
4.29	8526.91.10	Landing angle indicator in an air navigation radio system	Landing angle pointing equipment in ground-based civil aviation navigation radio systems operating in the band 328.6 MHz to 335.4 MHz
4.30	8517.62.59 8517.62.69 8517.62.99 8517.69.00 8526.10.10 8526.10.90 8526.91.10 8526.91.90 8526.92.00	Other Equipment	Radio transmitters and transceivers with frequency bands ranging from 9kHz to 400 GHz and with a transmitting power of 60mW or more are listed in Section 2.1 of Appendix I and Section 4 of this Appendix but are not governed by the corresponding applicable standards and technical regulations
5	<b>8507.60.10</b> <b>8507.60.90</b>	<b>Lithium Batteries for Laptops, Mobile Phones, Tablets</b>	Lithium batteries for mobile phones (8507.60.90), laptops, tablets (8507.60.10), including removable batteries and batteries built inside these devices

