

LAMPIRAN I  
PERATURAN MENTERI KOMUNIKASI DAN INFORMATIKA  
REPUBLIK INDONESIA  
NOMOR 5 TAHUN 2013  
TENTANG  
KELOMPOK ALAT DAN PERANGKAT TELEKOMUNIKASI

BAB I  
KETENTUAN UMUM

I. KONFIGURASI



Gambar Konfigurasi Sederhana Pengelompokan Alat dan Perangkat Telekomunikasi

II. SINGKATAN

<i>ADSL</i>	:	<i>Asyetric Digital Subscriber Line</i>
<i>AM</i>	:	<i>Amplitude Modulation</i>
<i>BPL</i>	:	<i>Broadband Power Line</i>
<i>BS</i>	:	<i>Base Station</i>
<i>BSC</i>	:	<i>Base Station Controller</i>
<i>BTS</i>	:	<i>Base Transceiver Station</i>
<i>BWA</i>	:	<i>Broadband Wireless Access</i>
<i>CATV</i>	:	<i>Community Access Television</i>
<i>CDMA</i>	:	<i>Code Division Multiple Access</i>
<i>CPE</i>	:	<i>Customer Premises Equipment</i>
<i>CWDM</i>	:	<i>Code Wavelength Division Multiplexing</i>
<i>DDF</i>	:	<i>Digital Distribution Frame</i>

<i>DECT</i>	:	<i>Digital Enhanced Cordless Telephone</i>
<i>DP</i>	:	<i>Distribution Point</i>
<i>DWDM</i>	:	<i>Dense Wavelength Division Multiplexing</i>
<i>DSL</i>	:	<i>Digital Subscriber Line</i>
<i>EDC</i>	:	<i>Electronic Data Capture</i>
<i>FM</i>	:	<i>Frequency Modulation</i>
<i>FTT</i>	:	<i>Fiber To The</i>
<i>FWA</i>	:	<i>Fixed Wireless Access</i>
<i>GMDSS</i>	:	<i>Global Maritime Distress &amp; Safety System</i>
<i>GMPCS</i>	:	<i>Global Mobile Personal Communications by Satellite</i>
<i>GPS</i>	:	<i>Global Positioning System</i>
<i>GSM</i>	:	<i>Global System for Mobile Communications</i>
<i>HDSL</i>	:	<i>High bit rate Digital Subscriber Line</i>
<i>HFC</i>	:	<i>Hybrid Fiber Coaxial</i>
<i>HLR</i>	:	<i>Home Location Register</i>
<i>HS CODE</i>	:	<i>Harmonized System Code</i>
<i>IMS</i>	:	<i>Internet Protocol Multimedia Subsystem</i>
<i>IP</i>	:	<i>Internet Protocol</i>
<i>IPTV</i>	:	<i>Internet Protocol Television</i>
<i>ISDN</i>	:	<i>Integrated Services Digital Network</i>
<i>ITS</i>	:	<i>Intelligence Transport System</i>
<i>IVR</i>	:	<i>Interactive Voice Response</i>
<i>KRAP</i>	:	<i>Komunikasi Radio Antar Penduduk</i>
<i>KTS</i>	:	<i>Key Telephone System</i>
<i>LAN</i>	:	<i>Local Area Network</i>
<i>LNA</i>	:	<i>Low-Noise Amplifier</i>
<i>LTE</i>	:	<i>Long Term Evolution</i>
<i>MDF</i>	:	<i>Main Distribution Frame</i>
<i>MSAN</i>	:	<i>Multiservice Access Node</i>
<i>NG-SDH</i>	:	<i>Next Generation-Synchronous Digital Hierarchy</i>
<i>ODC</i>	:	<i>Optical Distribution Cabinet</i>
<i>ODF</i>	:	<i>Optical Distribution Frame</i>
<i>OLT</i>	:	<i>Optical Line Terminal (Terminal Saluran Serat Optik)</i>
<i>ONT</i>	:	<i>Optical Network Terminal</i>

<i>ONU</i>	:	<i>Optical Network Unit</i>
<i>PABX</i>	:	<i>Private Automatic Branch Exchange</i>
<i>PBX</i>	:	<i>Private Branch Exchange</i>
<i>PDH</i>	:	<i>Plesiochronous Digital Hierarchy</i>
<i>PHS</i>	:	<i>Personal Handset System</i>
<i>PLT</i>	:	<i>Power Line Telecommunication</i>
<i>RFID</i>	:	<i>Radio Frequency Identification Device</i>
<i>RK</i>	:	<i>Rumah Kabel</i>
<i>RNC</i>	:	<i>Radio Network Controller</i>
<i>SDH</i>	:	<i>Synchronous Digital Hierarchy</i>
<i>SMSC</i>	:	<i>Short Messaging Service Center</i>
<i>SS</i>	:	<i>Sub System/Subsriber Station</i>
<i>TV</i>	:	<i>Television</i>
<i>UMTS</i>	:	<i>Universal Mobile Telecommunications System</i>
<i>UPS</i>	:	<i>Uninterruptible Power Supply</i>
<i>VDSL</i>	:	<i>Very High Bit-Rate DSL</i>
<i>VoIP</i>	:	<i>Voice over Internet Protocol</i>
<i>VLR</i>	:	<i>Visitor Location Register</i>
<i>VSAT</i>	:	<i>Very Small Aperture Terminal</i>
<i>WDM</i>	:	<i>Wavelength Division Multiplexing</i>
<i>Wi-Fi</i>	:	<i>Wireless Fidelity</i>
<i>WLAN</i>	:	<i>Wireless Local Access Network</i>
<i>WLL</i>	:	<i>Wireless Local Loop</i>

**BAB II**  
**KELOMPOK ALAT DAN PERANGKAT TELEKOMUNIKASI**

KOMODITI		HS 2012
<b>I.</b>	<b>KELOMPOK JARINGAN</b>	
<b>A.</b>	<b>SENTRAL / NODE</b>	
1.	<i>Sentral Wireless Local Loop [WLL] (Central Office Terminal)</i>	8517622100
2.	<i>Sentral Fixed Wireless Access (FWA)</i>	8517622100
3.	<i>Sentral Personal Handset System (PHS)</i>	8517622100
4.	<i>Sentral Digital Enhanced Cordless Telephone (DECT)</i>	8517622100
5.	<i>Sentral Narrow Band</i>	8517622100
6.	<i>Sentral Broadband Wireless Access (BWA) Nomadic (Central Office Terminal)/Fixed/Mobile</i>	8517622100
7.	<i>Sentral Global System for Mobile Communication (GSM)</i>	8517622100
8.	<i>Sentral Universal Mobile Telecommunications System (UMTS)</i>	8517622100
9.	<i>Sentral Code Division Multiple Access (CDMA)]</i>	8517622100
10.	<i>Sentral Power Line Telecommunication (PLT)</i>	8517622100
<b>B.</b>	<b>BERBASIS INTERNET PROTOCOL (IP)</b>	
1.	<i>Softswitch/Media Gateway Controller</i>	8517622100
2.	<i>Trunk Gateway</i>	8517622100
3.	<i>Signalling Gateway</i>	8517622100
4.	<i>Access Gateway</i>	8517622100
5.	<i>Switching Jaringan Radio Trunking</i>	8517622100
6.	<i>Switching Jaringan Paging</i>	8517622100
7.	<i>Switch Sistem Satelit (Global Maritime Distress &amp; Safety System (GMDSS), Global Mobile Personal Communications by Satellite (GMPCS))</i>	8517622100

	8.	<i>Switch Intelligence Transport System (ITS)</i>	8517622100
	9.	<i>Multiservice Switch</i>	8517622100
	10.	<i>IP Multimedia Subsystem (IMS)</i>	8517622100
	11.	<i>Router</i>	8517622100
	12.	<i>IPTV (Integrated Receiver Decoder, Encoder, IP Multiplexer)</i>	8517622100
<b>C. MEDIA TRANSMISI/TRANSPORT</b>			
	1.	<i>Synchronous Digital Hierarchy (SDH), (Next Generation/SDH)</i>	8517624200
	2.	<i>Plesiochronous Digital Hierarchy (PDH)</i>	8517624200
	3.	<i>Optical Multiplexer (WDM, DWDM, CWDM)</i>	8517624200
	4.	<i>PABX (IP, Wireless PBX)</i>	8517622100
	5.	<i>Analog/Digital Radio Link Terrestrial/Microwave/STL</i>	8517625300
	6.	<i>Fiber Optik Link (OLT [Optik Link Terminal])</i>	8517625300
	7.	<i>Transmisi Satelit</i>	8517625300
	8.	<i>Light Communication (Free Space Optic)</i>	8517625900
	9.	<i>Multiservice Transport Platform</i>	8517624200
<b>D. PENDUKUNG JARINGAN</b>			
	1.	<b>Kabel Tembaga</b>	8536.70.20.00
	2.	<b>Kabel Coaxial</b>	854420
	3.	<b>Kabel Serat Optik</b>	854470
	4.	<b>Server HLR</b>	8471499000
	5.	<b>Server VLR</b>	8471499000
	6.	<b>Server SMSC</b>	8471499000
	7.	<b>Server MMSC</b>	8471499000
	8.	<b>Server Ring Back Tone</b>	8471499000
	9.	<b>Server Billing System</b>	8471499000
	10.	<b>Bandwidth Management</b>	8471499000

		11.	<i>Traffic Management</i>	8471499000
		12.	<i>Wireless Controller (Management Access Point)</i>	8471499000
		13.	<b>Pendukung Security (Firewall)</b>	8471809000
		14.	<i>Interactive Voice Response (IVR)</i>	8471499000
<b>II.</b>	<b>KELOMPOK AKSES</b>			
	<b>A.</b>	<b>KABEL</b>		
		1.	<b>Perangkat ISDN Basic Rate Access (BRA)</b>	8517622100
		2.	<b>Perangkat ISDN Primary Rate Access (PRA)</b>	8517622100
		3.	<b>Perangkat Power Line Communication (PLC)</b>	8517622100
		4.	<b>Perangkat x-DSL (x-Digital Subscriber Line)</b>	8517622100
		5.	<b>Perangkat Fiber To The-x/FTT-x (x : building, curb, home)</b>	8517622100
		6.	<b>Perangkat IP (Voice over Internet Protocol/VoIP, Metro Ethernet, Multiservice Access Node/MSAN)</b>	8517622100
		7.	<b>CATV Modulator</b>	8525500000
	<b>B.</b>	<b>NIRKABEL</b>		
		1.	<b>Terrestrial</b>	
		a.	<b>BTS GSM</b>	8517610000
		b.	<b>BTS UMTS</b>	8517610000
		c.	<b>BTS CDMA</b>	8517610000
		d.	<b>BTS LTE</b>	8517610000
		e.	<b>BTS Narrow Band</b>	8517610000
		f.	<b>BTS/ Repeater Trunking</b>	8517610000
		g.	<b>BS Broadband Wireless Access</b>	8517610000
		h.	<b>BSC GSM</b>	8517610000
		i.	<b>BSC UMTS</b>	8517610000
		j.	<b>BSC CDMA</b>	8517610000
		k.	<b>BSC LTE</b>	8517610000

		<b>l. RNC GSM</b>	<b>8517610000</b>
		<b>m. RNC UMTS</b>	<b>8517610000</b>
		<b>n. Repeater GSM (indoor transmitter)</b>	<b>8517610000</b>
		<b>o. Repeater UMTS (indoor transmitter)</b>	<b>8517610000</b>
		<b>p. Repeater CDMA (indoor transmitter)</b>	<b>8517610000</b>
		<b>q. Transmitter Antenna (indoor transmitter)</b>	<b>8517610000</b>
		<b>r. Acces Point WLAN</b>	<b>8517625100</b>
		<b>s. Filter Antenna</b>	<b>8529104000</b>
		<b>t. Multi Carrier Power Amplifier</b>	<b>8517709900</b>
		<b>u. Femtocell</b>	<b>8517610000</b>
	<b>2.</b>	<b>Satelit</b>	
		<b>a. VSAT/ Stasiun Bumi</b>	
		1) <b>Modulator</b>	<b>8517625900</b>
		2) <b>Up Converter</b>	<b>8517625900</b>
		3) <b>High Power Amplifier</b>	<b>8517625900</b>
		4) <b>Down converter</b>	<b>8517625900</b>
		5) <b>Demodulator</b>	<b>8517625900</b>
		6) <b>LNA /LNB</b>	<b>8517625900</b>
		7) <b>Encoder</b>	<b>8517625900</b>
		8) <b>Decoder</b>	<b>8517625900</b>
		<b>b. Transponder</b>	<b>8517625900</b>
	<b>3.</b>	<b>Penyiaran</b>	
		<b>a. TV Siaran Analog dan Digital</b>	
		1) <b>Encoder</b>	<b>8525500000</b>
		2) <b>Modulator</b>	<b>8525500000</b>
		3) <b>Analog to Digital Converter</b>	<b>8525500000</b>
		4) <b>Audio Distribution Amplifier</b>	<b>8525500000</b>
		5) <b>Video Distribution Modulator</b>	<b>8525500000</b>
		6) <b>IP Multiplexer</b>	<b>8525500000</b>
		7) <b>Pemancar TV Siaran Analog dan Digital</b>	<b>8525500000</b>

		8) <i>Multiplexer TV Siaran Analog dan Digital</i>	8525500000
		<b>b. Radio Siaran</b>	
		1) <b>Pemancar Radio siaran AM, FM</b>	8525500000
		2) <b>Encoder</b>	8525500000
		3) <b>Modulator</b>	8525500000
		4) <i>Analog to Digital Converter</i>	8525500000
		5) <i>Audio Distribution Amplifier</i>	8525500000
		<b>c. TV Kabel</b>	
		1) <b>HFC Amplifier</b>	8525500000
		2) <b>TV Kabel Modulator</b>	8525500000
		3) <b>TV Kabel Multiplexer</b>	8525500000
	<b>4.</b>	<b>Telekomunikasi Khusus</b>	
		<b>a. Pemancar Radio Khusus</b>	
		1) <b>Pemancar Radio <i>Beacons</i></b>	8526911000
		2) <b>Pemancar Radio Maritim</b>	8526911000
		3) <b>Pemancar Radio Penerbangan</b>	8526911000
		4) <b>Pemancar Radio Navigasi</b>	8526919000
		<b>b. Repeater</b>	
		1) <i>Repeater Two Way Radio</i>	8517626900
		2) <i>Repeater Radio Amatir / KRAP</i>	8517626900
		<b>c. Radar</b>	
		1) <b>Radar maritim</b>	8526101000
		2) <b>Radar penerbangan</b>	8526101000
		3) <b>Radar survaillance</b>	8526109000
		4) <b>Radar cuaca</b>	8526109000
	<b>C.</b>	<b>PENDUKUNG AKSES</b>	
	<b>1.</b>	<b>Umum</b>	
		<b>a. <i>Distribution Frame (MDF, DDF, ODF)</i></b>	8536901900
		<b>b. <i>Blok Terminal Pembagi (RK, DP, ODF, ODC)</i></b>	8536901900



		c. Kotak Terminal Batas (KTB)	8536901900
		d. Sarana Sambung Kabel	853670
		e. <i>Repeater</i> Kabel	851761
		f. <i>Splitter</i> Kabel	853690
		g. <i>Power Over Ethernet</i>	853690
		h. <i>Ethernet Switch</i> (10/100/1000 base)	8536509900
	2.	<b>Penyiaran dan Telsus</b>	
		a. Antena pemancar siaran TV dan radio	8529109200
		b. Antena pemancar telsus	8529109200
		c. <i>Receiver</i>	8529103000
<b>III. KELOMPOK PELANGGAN (CPE)</b>			
<b>A. BERBASIS KABEL</b>			
	1.	<b>Terminal</b>	
		a. Pesawat Telepon Analog	8517180000
		b. Pesawat Telepon Umum (Koin, Kartu)	8517180000
		c. Pesawat <i>Key Telephone System</i> (KTS)	8517180000
		d. Pesawat PBX	8517180000
		e. Terminal VoIP / <i>IP Phone</i>	8517180000
		f. <i>Video Phone / Video Conference</i>	8517180000
		g. Mesin Faximile	8443324000
		h. Kombinasi faximile, printer, <i>copier</i> berwarna (dengan akses <i>point</i> WLAN/Bluetooth)	8443313010
		i. Kombinasi mesin faximile, printer, <i>copier</i> selain berwarna (dengan akses <i>point</i> WLAN/Bluetooth)	8443313090
		j. Teleprinter	8443324000
		k. ONT ( <i>Optical Network Terminal</i> )	8517622900
		l. ONU ( <i>Optical Node Unit</i> )	8517622900
		m. <i>Point of Sales Terminal</i> (Terminal EDC)	8471309000
		n. <i>Set Top Box</i> Kabel TV Analog	8528711100

		o. IP Set Top Box	8528711100
		p. Set Top Box DVB-C	8528711100
		q. Ethernet First Miles	8517624900
		r. Smart TV Box dengan kemampuan wireless LAN, Seluler dan Penerimaan DVBT2	8528711100
		s. Laptop termasuk notebook dan subnotebook yang memiliki bluetooth, seluler, dan/atau WLAN	8471302000
		t. Komputer Personal tidak termasuk komputer portable yang memiliki bluetooth, seluler, dan/atau WLAN.	8471411000
	2.	<b>Modem</b>	
		a. Modem Stand Alone	8517624100
		b. Modem ISDN	8517624100
		c. Modem xDSL (ADSL, HDSL, VDSL, GSHDSL)	8517624100
		d. Modem Broadband Power Line (BPL)	8517624100
		e. Modem HFC	8517624100
		f. Modem Manageable Home Gateway	8517624100
	<b>B.</b>	<b>BERBASIS NIRKABEL</b>	
	1.	<b>Telekomunikasi Publik</b>	
		a. Terminal	
		1) Pesawat Telepon seluler GSM 900/1800 MHz	8517120000
		2) Pesawat Telepon UMTS/IMT-2000	8517120000
		3) Pesawat Telepon Tanpa Kabel untuk Umum (TTKU)	8517120000
		4) Pesawat Telepon Umum Wireless Radio (koin/kartu)	8517120000
		5) Pesawat Telepon CDMA 450/800/1900 MHz	8517120000
		6) Pesawat Telepon Seluler WCDMA 900/2100 MHz	8517120000

		7) Terminal GMPCS, GMDSS	8517120000
		8) Terminal Radio Trunking/Paging	8517120000
		9) Telepon Satelit	8517120000
		10) Pesawat Telepon DECT	8517110000
		11) Pesawat Cordless Telepon	8517110000
		12) Terminal EDC dengan Seluler, WLAN Bluetooth, NFC, dan/atau RFID	8471309000
		13) <i>Set Top Box</i> Penerima Satelit (DVB-S)	8528711100
		14) <i>Set Top Box</i> Penerima Terrestrial (DVB-T2)	8528711100
		15) USB Penerima Terrestrial DVB-T2	8528711100
		16) <i>Car Communication Coverage</i> > 100 m	8526109000
		17) Komputer Genggam ( <i>Handheld</i> ) termasuk <i>Palmtop</i> dan <i>Personal Digital Assistant</i> (PDA) yang memiliki bluetooth, seluler, dan/atau WLAN	8471301000
		18) Komputer Tablet, komputer layar sentuh datar dan penggunaan layar sebagai piranti masukan dengan menggunakan stilus, pena digital atau ujung jari selain menggunakan papan ketik atau tetikus	8471309000
		19) GPS <i>Tracker</i> dengan <i>interface</i> seluler	8526919000
		20) GPS <i>Tracker</i> dengan <i>interface</i> satelit	8526919000
		<b>b. Modem</b>	
		1) Modem Satelit/ <i>Broadband Global Area Network</i> (BGAN)	8517624100
		2) Modem Seluler	8517624100
		3) Modem <i>Subscriber Station Broadband Wireless Access</i> (SS BWA)	8517624100
		4) Modem <i>Inner Transmitter</i>	8517624100
		5) Modem LTE	8517624100
		6) Modem Wimax-D	8517624100
		7) Modem Wimax-E	8517624100
		8) Modem seluler dengan Wi-Fi	8517624100

		9) Modem LTE dgn wifi	8517624100
		10) Modem Wimax <i>nomadic</i> dan <i>mobile</i> dengan Wi-Fi	8517624100
		11) Modem telemetri dengan akses selular, satelit, Wi-Fi, atau WPAN	8517624100
		c. Perangkat Telekomunikasi pada <i>Home Appliance</i>	
		1) <i>Smart TV</i> dengan kemampuan <i>wireless LAN, Seluler</i> dan <i>Penerima DVB-T2</i>	8528711100
		2) <i>Pemutar suara dan gambar</i> dengan <i>wireless LAN, bluetooth, dan low power</i>	8519813000
		3) <i>Audio Amplifier</i> dengan <i>wireless LAN, Bluetooth, dan low power</i>	8519813000
2.		<b>TELEKOMUNIKASI KHUSUS</b>	
		a. Terminal/ <i>Handset</i>	
		1) <i>Radio Portable/Two Way Radio</i>	8517625300
		2) <i>Radio Amatir</i>	8517625300
		3) <i>Komunikasi Radio Antar Penduduk</i>	8517625300
		4) <i>Dekoder</i>	8528711100
		5) <i>Radio Paging</i>	8517629100
		6) <i>Handy Talky</i>	8517625300
		7) <i>Telemetry/Radio Data</i>	8517625300
		8) <i>Wireless IP Phone</i>	8517180000
		9) <i>Walkie Talkie</i>	8517625300
		10) <i>Bluetooth</i>	8517625300
		11) <i>Wi-Fi / Wireless LAN</i>	8517625100
		12) <i>Radio Frequency Identification Device (RFID)</i>	8517625300
		13) <i>Wireless PAN (Personal Access Network)</i>	8517625300
		14) <i>Near Field Communication</i>	8517625300
		15) <i>Wireless Storage</i>	8517625100

C.	PENDUKUNG CPE	
1.	Intercomm	8517629900
2.	<i>Vehicle Radio Alarm System (Remote Keyless Entry)</i>	8531109000
3.	<i>Vehicle keyless</i>	8531109000
4.	Terminal GPS (tanpa bluetooth, seluler, wifi)	8526919000
5.	<i>Wireless Charger</i>	8517625300
6.	<i>Magnetik Mouse/stylus pen</i>	8517625300

**Keterangan:**

**Ex:** *exclude* (tidak wajib sertifikasi)

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