

Operator #	Key parameters					Comment
	№	Name and type of technical means of electronic communications	Number of ports	Power supply	Quantity	The type of equipment that was installed
#001	1	The subscriber terminal is single-port (ONU GEAPON)			1300	
#001	2	The subscriber terminal is single-port (ONU GPON)			200	
#001	3	Media Converter 100m6 20km			120	
#002	4	Cloud Router Switch Layer3	16 SFP+		3	Mikrotik Cloud Router Switch CRS317-1G-16S+RM
#002	5	GPON OLT Hubs (OLT)	8 fixed PON ports		3	BDCOM GP3600-08B
#004	6	Gigabit Fiber Switch (Switch) Layer3	20 SFP		2	D-Link DGS-3620-28SC
#004	7	Gigabit Ethernet Switch	48		1	Cisco WS-C4948-10GE
#005	8	Gigabit Ethernet Switch	20		1	D-Link DGS-3120-24PC
#005	9	Switch	16 x 10 GE SFP+ ports		1	
#005	10	GPON OLT Hubs (OLT)	32 fixed PON ports		11	
#005	11	GPON OLT Hubs (OLT)	4 fixed PON ports		5	BDCOM OLT P3310C
#005	12	Gigabit Ethernet Switch L2	24		2	D-Link DGS-3000-28XS/B1A
#005	13	Gigabit Ethernet Switch L2	24		3	D-Link DGS-1510-28XS/ME
#006	14	2 SAN switches, 512 FC ports per switch, 32 Gbit FC			2	To provide access from servers to storage space

#006	15	All flash NVMe based hi-End storages, 2.5 PiB capacity			1	To store and provide access to production data by different operator's systems and services
#006	16	4 Firewall Appliances, platform with virtualization support and total capacity 60 Gbit/sec			4	To provide enterprise data traffic protection in different segments of operator's IP network. To provide DDoS protection of operator's enterprise data traffic.
#006	17	2 DDoS Appliances with total capacity 8 Gbit/sec			2	To provide enterprise data traffic protection in different segments of operator's IP network. To provide DDoS protection of operator's enterprise data traffic.
#006	18	Дві системи Exadata X8M-2 QR (2 DB nodes, 5 cell servers in each)			2	To run and operate databases critical for lifecell operations
#006	19	Backup appliance capable to protect 1PiB of frontend user data			1	To make reserve copies of production data and protect them from unavailability and corruption
#006	20	Patch-cord LC/UPC-LC/UPC, MM OM3/OM4 DPX, 3m			200	To connect servers to network switches, switches to switches interconnect, servers to SAN switches, Storages to SAN switches, network switches to firewalls
#006	21	Patch-cord LC/UPC-LC/UPC, MM OM3/OM4 DPX, 7m			200	
#006	22	Patch-cord LC/UPC-LC/UPC, MM OM3/OM4 DPX, 10m			200	
#006	23	Patch-cord LC/UPC-LC/UPC, MM OM3/OM4 DPX, 15m			200	

#006	24	Patch-cord LC/UPC-LC/UPC, MM OM3/OM4 DPX, 20m			200	
#006	25	Patch-cord LC/UPC-LC/UPC, MM OM3/OM4 DPX, 25m			200	
#006	26	8 switches with 384 ports 1/10/25 Gbit with SFPs			8	to connect servers and other equipment to IP networks
#006	27	8 switches with 192 ports 1Gbit			8	to connect management ports of servers and other equipment to IP networks
#006	28	80 servers: UCS B480 M5 Blade Server [full-width blade, 4 servers per chassis] 4x(Intel 6248 2.5GHz/150W 20C/27.5MB) [1536 Gb RAM] [2x300Gb SAS SFF HDD]			80	to run Billing system, Virtualization platform, Virtual container platform
#006	29	64 servers: UCS B200 M5 Blade Server [half-width blade, 8 servers per chassis] 2x(Intel 5217 3.0GHz/85W 8C/11MB) [512Gb RAM] [2x600Gb SAS SFF HDD]			64	to run databases, database virtualization platform, SAP/ERP system
#006	30	40 servers: UCS C240 M5 12 LFF + 2 rear drives [2U rack server] 2x(Intel 6240 2.6GHz/150W 18C/24.75MB) [384Gb RAM] [2x1.2TB 12G SAS 10K RPM LFF HDD + 6x10 TB 12G SAS 7.2K RPM LFF HDD (4K)]			40	to run data mining and data processing platforms
#006	31	Oracle Sparc T8-2 server			10	to run IN platforms: SCP, IVR/SRF
#006	32	40 servers: UCS C240 M5 12 LFF + 2 rear drives [2U rack server] 2x(Intel 4216 2.1GHz/100W 16C/22MB) [768Gb RAM] [2x1.2TB 12G SAS 10K RPM LFF HDD + 8x1.9TB 3.5 inch Enterprise Value 6G SATA SSD]			40	to run Vmware convergent platform for production virtual machines

#006	33	40 servers: UCS C240 M5 8 SFF + 2 rear drives [2U rack server] 1x(Intel 6230 2.1GHz/125W 20C/27.50MB) [192Gb RAM] [2x600Gb SAS SFF HDD]			40	To run mediation system, DNS, NTP and other systems unable to be virtualized
#006	34	28 x FIC 6454 with all ports licensed (48 x 1/10/25G + 6 x 40/100G)			28	to connect blade systems to infrastructure
#006	35	28 x UCS 5108 Blade Server AC2 Chassis			28	to install and operate blade servers
#006	36	Ericsson ENM Installation Materials			1	A-pack; To protect EMN in West region
#006	37	Ericsson HP 2m Multi-mode OM3 LC/LC FC Cable			28	INE 105 2316; To protect EMN in West region
#006	38	Ericsson HPE BLc 10Gb SR SFP+ Opt			8	INE 105 2607; To protect EMN in West region
#006	39	Ericsson HPE X120 1G SFP RJ45 T Transceiver			40	INE 105 2730; To protect EMN in West region
#006	40	Ericsson HPE X130 10G SFP+ LC SR Transceiver			40	INE 105 2731; To protect EMN in West region
#006	41	Ericsson HP Premier Flex LC/LC OM4 2f 5m cbl			28	INE 105 4606/0171; To protect EMN in West region
#006	42	Ericsson HPE 5940 48SFP+ 6QSFP28, Dual Power/Fans			2	INE 105 4606/0655; To protect EMN in West region
#006	43	Ericsson HPE G2 Intl 1 Phase Modular PDU bundle			2	INE 105 6525/0019; To protect EMN in West region
#006	44	Ericsson HP 1 meter FC Cable			10	INE 105 6525/0067; To protect EMN in West region
#006	45	Ericsson DL360Gen10 2*16C G-6130 256GB 4x1.2TB			4	INE 105 6525/0088; To protect EMN in West region

#006	46	Ericsson BL460cGen10 2*16C G-6130 256GB no drives			16	INE 105 6525/0091; To protect EMN in West region
#006	47	Ericsson C7000 Plat /AC Flex-10D & 16GB/28 SAN SW			2	INE 105 6525/0092; To protect EMN in West region
#006	48	Ericsson UNITY 450F DPE 8X1.92TB SSD 2.5 AC			1	INE 105 6525/0109; To protect EMN in West region
#006	49	Ericsson UNITY 1.92TB SSD DRIVE AC			7	INE 105 6525/0110; To protect EMN in West region
#006	50	Ericsson UNITY 300 DPE 11X4TB 3.5" AC			1	INE 105 6525/0113; To protect EMN in West region
#006	51	Ericsson UNITY 3U EXP DAE 11X4TB 3.5" AC			2	INE 105 6525/0114; To protect EMN in West region
#006	52	Ericsson DS-6620B 16G 12PORT UPGRADE KIT			2	INE 105 6525/0169; To protect EMN in West region
#006	53	Ericsson DS-6620R-B V1 24P/48P 16GB RTF			2	INE 105 6525/0188; To protect EMN in West region
#006	54	Ericsson Door Set 600 mm			2	INF 901 4231/17; To protect EMN in West region
#006	55	Ericsson Side Cover 600 mm			2	INF 901 4231/21; To protect EMN in West region
#006	56	Ericsson Side Plate Set 600 mm			2	INF 901 4231/3; To protect EMN in West region
#006	57	Ericsson Top / Bottom Cover			2	INF 901 4231/5; To protect EMN in West region
#006	58	Ericsson BYB 504, APP 901 505			2	INF 901 6706/1; To protect EMN in West region

#006	59	Ericsson Ethernet cable RJ45-RJ45, 2m			24	TSR 432 151/2000; To protect EMN in West region
#006	60	Ericsson Ethernet cable RJ45-RJ45, 5m			20	TSR 432 151/5000; To protect EMN in West region
#006	95	Precision a/c 40kW			4	AirConditioner; To increase capacity of OMC in West region
#006	96	Ericsson Main Cabinet Standard 800 A			1	INF 901 6857/14; To increase capacity of OMC in West region
#006	97	Ericsson Extension Cabinet Standard 800 A			1	INF 901 6857/15; To increase capacity of OMC in West region
#006	98	Ericsson Rectifier 3500 W			22	INF 901 6857/35; To increase capacity of OMC in West region
#006	99	Ericsson Distribution Unit HOD 15 A DU			8	INF 901 6857/5; To increase capacity of OMC in West region
#006	100	Ericsson HOD 30A kit			150	BMY 107 5504/1S; To increase capacity of OMC in West region
#006	101	Ericsson CONNECTION UNIT/AC DistBox 1-pol L-N 230			1	BMG 980 359/1; To increase capacity of OMC in West region
#006	102	Ericsson AC transient protection NFT			1	NFT 304 19/2; To increase capacity of OMC in West region
#006	103	Ericsson (+) strengthening kit			1	INF 901 6857/21; To increase capacity of OMC in West region

#006	104	Ericsson AC Cable 7 x 4 mm ²			240	INF 901 3411/40; To increase capacity of OMC in West region
#006	105	Ericsson Battery cable 150 mm ²			1000	INF 901 3411/33; To increase capacity of OMC in West region
#006	106	Ericsson DC Cable 70 mm ²			30	INF 901 3411/19; To increase capacity of OMC in West region
#006	107	Ericsson Grounding kit			1	INF 901 6857/20; To increase capacity of OMC in West region
#006	108	Ericsson Power Cable 50mm ² "off the reel"			50	INF 901 2795/35; To increase capacity of OMC in West region
#006	109	Battery Cabinets + Batteries			1200Ah	Battery Cabinets + Batteries; To increase capacity of OMC in West region
#006	110	Ericsson Main Cabinet Standard 800 A			1	INF 901 6857/14; To increase capacity of OMC in West region
#006	111	Ericsson Extension Cabinet Standard 800 A			3	INF 901 6857/15; To increase capacity of OMC in West region
#006	112	Ericsson LOD Distribution, 35 CB positions			8	INF 901 6857/4; To increase capacity of OMC in West region
#006	113	Ericsson Rectifier 3500 W			36	INF 901 6857/35; To increase capacity of OMC in West region
#006	114	Ericsson CONNECTION UNIT/AC DistBox 1-pol L-N 230			2	BMG 980 359/1; To increase capacity of OMC in West region

#006	115	Ericsson AC transient protection NFT			2	NFT 304 19/2; To increase capacity of OMC in West region
#006	116	Ericsson 150 mm2 cable kit			6	INF 901 6857/18; To increase capacity of OMC in West region
#006	117	Ericsson AC Cable 7 x 4 mm^2			240	INF 901 3411/40; To increase capacity of OMC in West region
#006	118	Ericsson Battery cable 150 mm2			1000	INF 901 3411/33; To increase capacity of OMC in West region
#006	119	Ericsson CB 32A 1p			100	INF 901 3411/10; To increase capacity of OMC in West region
#006	120	Ericsson CB 60A 1p			200	INF 901 3411/10; To increase capacity of OMC in West region
#006	121	Ericsson CB 80A 2 pol			100	INF 901 3411/11; To increase capacity of OMC in West region
#006	122	Ericsson Fork NEY 943 09/2 included x 2			50	NEY 943 09/2; To increase capacity of OMC in West region
#006	123	Ericsson CB 125A 3 pol			50	INF 901 3411/11; To increase capacity of OMC in West region
#006	124	Ericsson Fork NEY 943 09/3 included x 2			50	NEY 943 09/3; To increase capacity of OMC in West region
#006	125	Ericsson DC Cable 70 mm2			60	INF 901 3411/19; To increase capacity of OMC in West region

#006	126	Ericsson Spooled Cable TFL 252015/16 30m			1	TPM 101 0027/30M; To increase capacity of OMC in West region
#006	127	Ericsson Grounding kit			1	INF 901 6857/20; To increase capacity of OMC in West region
#006	128	Battery Cabinets + Batteries; To increase capacity of OMC in West region			2400 Ah	Battery Cabinets + Batteries; To increase capacity of OMC in West region
#006	129	Air Conditioners 14kW (floor-ceiling)			4	AirConditioner; To increase capacity of OMC in West region
#006	130	Ericsson Main Cabinet Standard 800 A			1	INF 901 6857/14; To increase capacity of OMC in West region
#006	131	Ericsson Rectifier 3500 W			9	INF 901 6857/35; To increase capacity of OMC in West region
#006	132	Ericsson Distribution Unit HOD 15 A DU			4	INF 901 6857/5; To increase capacity of OMC in West region
#006	133	Ericsson HOD 30A kit			150	BMV 301 112/1; To increase capacity of OMC in West region
#006	134	Ericsson CONNECTION UNIT/AC DistBox 1-pol L-N 230			1	BMG 980 359/1; To increase capacity of OMC in West region
#006	135	Ericsson AC transient protection NFT			1	NFT 304 19/2; To increase capacity of OMC in West region
#006	136	Ericsson (+) strengthening kit			1	INF 901 6857/21; To increase capacity of OMC in West region

#006	137	Ericsson AC Cable 7 x 4 mm^2			80	INF 901 3411/40; To increase capacity of OMC in West region
#006	138	Ericsson Battery cable 150 mm2			1000	INF 901 3411/33; To increase capacity of OMC in West region
#006	139	Ericsson DC Cable 70 mm2			30	INF 901 3411/19; To increase capacity of OMC in West region
#006	140	Ericsson Grounding kit			1	INF 901 6857/20; To increase capacity of OMC in West region
#006	141	Ericsson Power Cable 50mm2 "off the reel"			50	INF 901 2795/35; To increase capacity of OMC in West region
#006	142	Ericsson Battery 6V200Ah			72	Battery Cabinets + Batteries; To increase capacity of OMC in West region
#006	143	Ericsson Battery Cabinet			1	Battery Cabinets + Batteries; To increase capacity of OMC in West region
#006	144	Ericsson Battery 6V200Ah / 12V150Ah			24 / 12	Battery Cabinets + Batteries; To increase capacity of OMC in West region
#006	160	Eudemon1000E-N 8GE(RJ45)+4GE(SFP)			1	Eudemon; To increase capacity of OMC in West region
#008	161	Gigabit Ethernet Switch	24 1000Base-T	alternating current 220 B, direct current 12 B	5	D-Link DSG1024D

#008	162	Gigabit Ethernet Switch	12 SFP	alternating current 220 B	5	D-Link DGS-1210-12TS/ME
#009	163	Ethernet switches (subscriber)	24 100Base-T / 2 SFP	alternating current 220 B	6	D-Link DES-1228/ME
#009	164	Gigabit Ethernet Switch L2	32	alternating current 220 B	1	
#009	165	Gigabit Ethernet Switch L2	32	alternating current 220 B	1	
#012	166	Gigabit Ethernet Switch L3	24 1000Base-T / 4 SFP		50	D-Link DGS-3000-28L
#012	167	Gigabit Ethernet Switch L2	24 1000Base-T / 4 SFP		50	DGS-3000-28XS
#013	168	PON-terminal	1000Base-T	alternating current 220B	4	BDCOM ONU P1501DT
#013	169	PON-terminal	4 1000Base-T	alternating current 220B	8	BDcom P1504C1
#013	170	Ethernet switches (Рівень L3) + 4 SFP	24 1000Base-T; 4 sfp	alternating current 220B	78	Cisco C9200L-24T-4G
#013	171	Ethernet switches (Рівень L2+) з POE +2 SFP	48 1000Base-T; 2 sfp	alternating current 220B	59	Cisco WS-C2960-48PST-L
#013	172	VoIP gateway	1 100Base-T; 8 R111	alternating current 220B	36	Cisco SPA8000
#013	173	internal video camera	1 100Base-T	direct current 48 B	300	Hikvision DS-2CD2163G0-IS
#013	174	external digital video camera	1 100Base-T	direct current 48 B	600	Hikvision DS-2CD2T63G0-I8
#013	175	video recorder with HDD 8Tb	1 1000Base-T	alternating current 220B, direct current 12B	51	Hikvision DS-7616NI-I2

#015	176	Managed switch (Ethernet switch)	24 / 2 combo / 2 SFP	alternating current 220 B	1	D-Link DES-1210-28
#015	177	Managed switch (Ethernet switch)	24 SFP / 4 SFP +	alternating current 220 B	1	D-Link DXS-3000-28XS
#015	178	Router	5 Gigabit ethernet ports	alternating current 220 B	1	MikroTik hEX (RB750Gr3)
#015	179	Server	2 Gigabit Ethernet	alternating current 220 B	1	DELL R 710
#015	180	Network card (NIC)	2 SFP28		1	MCX4121A-ACAT
#015	181	GPON OLT	14 Slot	direct current 48 B	5	
#015	182	GPON Card	4 port		15	
#015	183	Card Ethernet OLT	2 SFP / 2 Gigabit Ethernet		5	
#015	184	GPON OLT	4 port	alternating current 220 B	1	BDCOM P3310-B
#015	185	Server	1 Gigabit Ethernet	alternating current 220 B	1	Збірка(Custom Server)
#015	186	Network card (NIC)	2 SFP+		1	Intel X520-DA2
#015	187	Power Supply OLT (OLT PSU)			5	БП Т-500-48
#017	189	Switch L2-L3 рівня	24 10G SFP+/4XQSFP	alternating current 220 B	1	EX4600-40F JUNIPER EX4600 24-PORT 10GBE SFP+/4XQSFP+ SWITCH
#017	190	Router	12 SFP / 1 SFP +	alternating current 220 B	2	MikroTik CCR1072-1G-8S+ CLOUD CORE ROUTER (8) 10GIG SFP+
#017	191	Server	типу HP g7		1	

#017	192	Optical interface connection cables			6	Twinax SFP+/SFP+
#017	193	Network card	10G Intel		1	Gigabyte CLN4832-10A
#017	194	Router	10	alternating current 220 B	5	MikroTik RB2011iLS-IN
#017	195	Router	10	alternating current 220 B	5	MikroTik RB2011iL-IN
#012	196	Module A9K-MOD160-TR			1	
#012	197	Module A9K-MPA-2X40GE			3	
#012	198	Module Extreme X670G2-48x-4q			2	
#012	199	Chassis Cisco 9006			1	
#012	200	Module A9K-RSP-4G			2	
#012	201	Module A9K-8T-L			2	
#012	202	Module A9K-MOD160-TR			1	
#012	203	Module A9K-MPA-2X40GE			2	
#012	204	A9K-8T-L			1	
#012	205	Module Extreme X690-48x-2q-4c			5	
#012	206	Module PWR-3KW-AC-V2			6	
#012	207	Power supply module A9K-3KW-AC			3	
#012	208	Module A9K-RSP440-SE			2	
#012	209	Module A9K-36x10GE-SE			2	
#018	210	Ethernet switches (Рівень L3)	48 10G-SFP+ 4QSFP+	alternating current 220 B, direct current 48 B	1	Cisco NEXUS C3064PQ-10GX
#018	211	Router	1 SFP / 5 10/100/1000 Ethernet	alternating current 220 B	1	MikroTik RB960PGS

#019	212	L2 Switch 8..24xFE +2..4xComboGE	8..24xFE +2..4xComboGE	AC	50	
#019	213	#1VF2021IXRE Nokia 7250 IXR-e Big (fixed system) 32p1GE/10GE	32p1GE/10GE	DC	10	Nokia 7210SAS-X/M
#020	214	Ethernet switches (Level L2+)	28port 1000Base-T	alternating current 220 B	300	DCN S4200-28P-SI
#020	215	Ethernet switches (Level L2+)	12port 1000Base-F	alternating current 220 B	20	D-Link 1210-12-TS
#022	216	Router "P" (Level L3)	48*10G SFP+	direct current 48 B	2	Juniper T4000
#022	217	Router "PE" (Level L3)	24*10G SFP+	direct current 48 B	1	Juniper MX960
#022	218	OLT	16 SFP	direct current 48 B	3	
#022	219	OLT	16 SFP	direct current 48 B	3	
#022	220	OLT	16 SFP	direct current 48 B	3	
#022	221	OLT	16 SFP	direct current 48 B	3	
#022	222	OLT	16 SFP	direct current 48 B	3	
#022	223	OLT	32 SFP	direct current 48 B	4	
#022	224	OLT	32 SFP	direct current 48 B	4	
#022	225	OLT	32 SFP	direct current 48 B	4	
#022	226	OLT	32 SFP	direct current 48 B	4	

#022	227	OLT	32 SFP	direct current 48 B	4	
#022	228	OLT	16 SFP	direct current 48 B	24	
#022	229	OLT	16 SFP	direct current 48 B	24	
#022	230	OLT	16 SFP	direct current 48 B	24	
#022	231	OLT	16 SFP	direct current 48 B	24	
#022	232	OLT	16 SFP	direct current 48 B	24	
#022	233	OLT	16 SFP	direct current 48 B	12	Iskratel Lumia G16
#022	234	OLT	16 SFP	direct current 48 B	12	Iskratel Lumia G16
#022	235	OLT	16 SFP	direct current 48 B	12	Iskratel Lumia G16
#022	236	OLT	16 SFP	direct current 48 B	12	Iskratel Lumia G16
#022	237	OLT	16 SFP	direct current 48 B	12	Iskratel Lumia G16
#022	238	OLT	8 SFP	direct current 48 B	8	Iskratel Lumia G8
#022	239	OLT	8 SFP	direct current 48 B	8	Iskratel Lumia G8
#022	240	OLT	8 SFP	direct current 48 B	8	Iskratel Lumia G8
#022	241	OLT	8 SFP	direct current 48 B	8	Iskratel Lumia G8
#022	242	OLT	8 SFP	direct current 48 B	8	Iskratel Lumia G8
#022	243	OLT	8 SFP	direct current 48 B	11	Raisecom ISCOM5508

#022	244	OLT	8 SFP	direct current 48 B	11	Raisecom ISCOM5508
#022	245	OLT	8 SFP	direct current 48 B	11	Raisecom ISCOM5508
#022	246	OLT	8 SFP	direct current 48 B	11	Raisecom ISCOM5508
#022	247	OLT	8 SFP	direct current 48 B	11	Raisecom ISCOM5508
#022	248	OLT	4 SFP	direct current 48 B	8	BDCOM P3310
#022	249	OLT	4 SFP	direct current 48 B	8	BDCOM P3310
#022	250	OLT	4 SFP	direct current 48 B	8	BDCOM P3310
#022	251	OLT	4 SFP	direct current 48 B	8	BDCOM P3310
#022	252	OLT	4 SFP	direct current 48 B	8	BDCOM P3310
#022	253	Ethernet switches	24 ports	alternating current 220 B	12	
#022	254	Ethernet switches	24 ports	alternating current 220 B	12	
#022	255	Ethernet switches	24 ports	alternating current 220 B	12	
#022	256	Ethernet switches	24 ports	alternating current 220 B	12	
#022	257	Ethernet switches	24 ports	alternating current 220 B	12	
#022	258	Switch Aggregation	24 SFP	direct current 48 B	15	Raisecom 2924, Raisecom 3024, Raisecom 5600
#022	259	Switch Aggregation	24 SFP	direct current 48 B	15	Raisecom 2924, Raisecom 3024, Raisecom 5600
#022	260	Switch Aggregation	24 SFP	direct current 48 B	15	Raisecom 2924, Raisecom 3024, Raisecom 5600

#022	261	Switch Aggregation	24 SFP	direct current 48 B	15	Raisecom 2924, Raisecom 3024, Raisecom 5600
#022	262	Switch Aggregation	24 SFP	direct current 48 B	15	Raisecom 2924, Raisecom 3024, Raisecom 5600
#022	263	Ethernet switches	8 ports	alternating current 220 B	23	Raisecom 2608G
#022	264	Ethernet switches	8 ports	alternating current 220 B	23	Raisecom 2608G
#022	265	Ethernet switches	8 ports	alternating current 220 B	23	Raisecom 2608G
#022	266	Ethernet switches	8 ports	alternating current 220 B	23	Raisecom 2608G
#022	267	Ethernet switches	8 ports	alternating current 220 B	23	Raisecom 2608G
#022	268	Ethernet switches	24 ports	alternating current 220 B	20	Raisecom 2624G
#022	269	Ethernet switches	24 ports	alternating current 220 B	20	Raisecom 2624G
#022	270	Ethernet switches	24 ports	alternating current 220 B	20	Raisecom 2624G
#022	271	Ethernet switches	24 ports	alternating current 220 B	20	Raisecom 2624G
#022	272	Ethernet switches	24 ports	alternating current 220 B	20	Raisecom 2624G
#022	273	Switch Aggregation	24 SFP	direct current 48 B	20	Raisecom 2624GF
#022	274	Switch Aggregation	24 SFP	direct current 48 B	20	Raisecom 2624GF
#022	275	Switch Aggregation	24 SFP	direct current 48 B	20	Raisecom 2624GF
#022	276	Switch Aggregation	24 SFP	direct current 48 B	20	Raisecom 2624GF
#022	277	Switch Aggregation	24 SFP	direct current 48 B	20	Raisecom 2624GF

#022	278	Ethernet switches	24 ports	alternating current 220 B	31	
#022	279	Ethernet switches	24 ports	alternating current 220 B	31	
#022	280	Ethernet switches	24 ports	alternating current 220 B	31	
#022	281	Ethernet switches	24 ports	alternating current 220 B	31	
#022	282	Ethernet switches	24 ports	alternating current 220 B	31	
#022	283	Ethernet switches	24 ports	alternating current 220 B	29	
#022	284	Ethernet switches	24 ports	alternating current 220 B	29	
#022	285	Ethernet switches	24 ports	alternating current 220 B	29	
#022	286	Ethernet switches	24 ports	alternating current 220 B	29	
#022	287	Ethernet switches	24 ports	alternating current 220 B	29	
#022	288	Ethernet switches	24 ports	alternating current 220 B	32	D-Link 1210, D-Link 3120, D-Link 3420, D-Link 3200
#022	289	Ethernet switches	24 ports	alternating current 220 B	32	D-Link 1210, D-Link 3120, D-Link 3420, D-Link 3200
#022	290	Ethernet switches	24 ports	alternating current 220 B	32	D-Link 1210, D-Link 3120, D-Link 3420, D-Link 3200
#022	291	Ethernet switches	24 ports	alternating current 220 B	32	D-Link 1210, D-Link 3120, D-Link 3420, D-Link 3200
#022	292	Ethernet switches	24 ports	alternating current 220 B	32	D-Link 1210, D-Link 3120, D-Link 3420, D-Link 3200
#022	293	DSLAM/MSAN		постійний струм 48 В	48	
#022	294	DSLAM/MSAN		direct current 48 В	48	

#022	295	DSLAM/MSAN		direct current 48 B	48	
#022	296	DSLAM/MSAN		direct current 48 B	48	
#022	297	DSLAM/MSAN		direct current 48 B	48	
#022	298	DSLAM/MSAN		direct current 48 B	15	SI3000 MEA-20,(MEC-20),(MEA-1U),(MEC-2U),(MEA-
#022	299	DSLAM/MSAN		direct current 48 B	15	SI3000 MEA-20,(MEC-20),(MEA-1U),(MEC-2U),(MEA-
#022	300	DSLAM/MSAN		direct current 48 B	15	SI3000 MEA-20,(MEC-20),(MEA-1U),(MEC-2U),(MEA-
#022	301	DSLAM/MSAN		direct current 48 B	15	SI3000 MEA-20,(MEC-20),(MEA-1U),(MEC-2U),(MEA-
#022	302	DSLAM/MSAN		direct current 48 B	15	SI3000 MEA-20,(MEC-20),(MEA-1U),(MEC-2U),(MEA-
#023	303	Router	8 1000base-t /2 Sfp+	alternating current 220 B	6 sets	CCR1036-8G-2S+EM
#023	304	Router	8 SFP / 8SFP+	alternating current 220 B	2 sets	Cisco ASR 1002-HX full route license
#023	305	Router	8 SFP+	alternating current 220 B	2 sets	Cisco ASR 1006-X 200-Gbps ESPs , 200G license
#025	306	Ethernet switches		alternating current 220 B, direct current 48 B	500	ISCOM2608G-2GE-AC
#025	307	Ethernet switches		alternating current 220 B, direct current 48 B	1000	ISCOM2624G-4GE-AC
#025	308	Ethernet switches		alternating current 220 B, direct current 48 B	1000	ISCOM2624GF-4C-HI-AC

#025	309	Ethernet switches		alternating current 220 B, direct current 48 B	100	ISCOM S5600-28C-EI-24F
#025	310	Ethernet switches		alternating current 220 B, direct current 48 B	200	ISCOM S5600-28C-EI-24F (+мод. ESW-SUB-8SFP+)
#014/InAU	311	DWDM		Ekinops 360	19	C200HC
#014/InAU	312	DWDM		Ekinops 360	3	C600HC
#014/InAU	313	DWDM		Fiber tray for	22	CM_Fiber
#014/InAU	314	DWDM		Single slot	38	PM_200FRS02
#014/InAU	315	DWDM		100G ULH,	6	PM_400FRS04-SF
#014/InAU	316	DWDM		Airflow	19	PM_AF
#014/InAU	317	DWDM		Fan Unit for	19	PM_FAN_C200HC
#014/InAU	318	DWDM		Fan Unit for	3	PM_FAN_C600HC
#014/InAU	319	DWDM		Ekinops	19	PM_FILLER4
#014/InAU	320	DWDM		Ekinops	19	PM_FILLER8
#014/InAU	321	DWDM		Management	22	PM_MGNT4_400EEM
#014/InAU	322	DWDM		Ekinops	19	PM_OAIL-HCS-17
#014/InAU	323	DWDM		Ekinops Rack	19	RM_OM40FT-O
#014/InAU	324	DWDM		1U Rack Mount	19	RM_TR1
#014/InAU	325	Switch		Arista 7280R3,	2	Arista DCS-7280CR3-96-F
#014/InAU	326	Switch		LIC-FIX-4-FLX	2	License
#014/InAU	327	Module		QSFP28 LR4	50	QSFP28
#014/InAU	328	Switch		CE6865-	10	
#014/InAU	329	Switch		QFX5120-32C,	6	Juniper QFX5120-32C-AFO
#014/InAU	330	Switch		Juniper	10	Juniper QFX5120-48Y-AFO
#014/InAU	331	Router		Juniper router	19	Juniper MX204
#026	332	Active aggregation level network		N540X-ACC-SYS	1	
#026	333	Active aggregation level network		ASR-9010-SYS	1	
#026	334	Active aggregation level network		ASR1002-X	1	
#026	335	Active aggregation level network		WS-C4500X-	5	
#026	336	Active aggregation level network		Extreme	2	

#026	337	Active aggregation level network		Extreme x480-	2	
#026	338	Active aggregation level network		OptiX OSN	1	
#026	339	Active equipment		Router TP-LINK	600	
#026	340	Active equipment		Set-top box	200	
#026	341	Active equipment		VOIP	80	
#026	342	Active equipment		VOIP	40	
#026	343	Active equipment		VOIP	20	
#026	344	Active equipment		VOIP	20	
#026	345	Active equipment/usually installed in the		Cisco 1111-8P	1	
#026	346	Active equipment/usually installed in the		Cisco 1111-4P	1	
#026	347	Active equipment			2000	
#026	348	Active equipment			300	
#026	349	Active equipment		Optical media	600	
#026	350	Active equipment		Optical media	600	
#026	351	Active equipment			10	
#026	352	Active equipment		OLT BDCOM	6	
	353	juniper QFX10002-36/72Q			3 pcs	
	354	juniper QFX5200-48Y			5 pcs	
	355	juniper QFX5100 - 24Q			5 pcs	
	356	juniper QFX5100 - 48s/96s			5 pcs	
	357	juniper EX4550-32F			5 pcs	
	358	juniper EX4200-24F			30 pcs	
	359	juniper EX3300-24P/48T			100 pcs	
	360	juniper EX2200 - 24T/48T/C			200 pcs	
#027	369	ICT Base Station				
#027	370	ICT Tower				
#027	371	ICT Shelter				
#027	372	ICT Facility				
#027	373	Other (please specify)				
#027	374	Juniper EX Series switches:				
#027	375	EX 2200				
#027	376	EX 2200				
#027	377	EX 2200				
#027	378	EX 2200				

#027	379	EX 2200				
#027	380	EX 2200				
#027	381	EX 2200				
#027	382	EX 2200				
#027	383	EX 2200				
#027	384	EX 2200				
#027	385	EX 2200				
#027	386	EX 2200				
#027	387	EX 2200				
#027	388	EX 2200-12t-2g				
#027	389	EX 2200				
#027	390	EX 2200				
#027	391	EX 2200				
#027	392	EX 2200				
#027	393	EX 2200				
#027	394	EX 2200				
#027	395	EX 2200-12t-2g				
#027	396	EX 2200				
#027	397	EX 2200				
#027	398	EX 2200				
#027	399	EX 2200				
#027	400	EX 2200				
#027	401	EX 2200				
#027	402	EX 2200				
#027	403	EX 2200				
#027	404	EX 3200				
#027	405	EX 3200				
#027	406	EX 3200				
#027	407	EX 3200				
#027	408	EX 3300				
#027	409	EX 3300				
#027	410	EX 3300				
#027	411	EX 4200-24f				
#027	412	EX 4200-24f				

#027	413	EX 4200-24f				
#027	414	EX 4200-24f				
#027	415	EX 4200-24f				
#027	416	EX 4200-24f				
#027	417	EX 4200-24f				
#027	418	EX 4200-24f				
#027	419	EX 4200-24f				
#027	420	EX 4200-24f				
#027	421	EX 4200-24f				
#027	422	EX 4200-24f				
#027	423	EX 4200-24f				
#027	424	EX 4200-24f				
#027	425	EX 4200-24f				
#027	426	EX 4500				
#027	427	EX 4500				
#027	428	EX 4500				
#027	429	EX 4500				
#027	430	EX 4500				
#027	431	EX 4500				
#027	432	EX 4500				
#027	433	EX 4500				
#027	434	EX 4500				
#027	435	QFX10002-72Q				
#028	436	Switch Arista DCS-7050QX-32S-R		AC 220B,	2	
#028	437	Switch Eltex MES2324b		AC 220B	7	
#028	438	OLT BDCOM P3310	(4-SFP)		4	
#028	439	OLT BDCOM P3608	(8-SFP)		2	
#029	440	Station optical terminal BDCOM P3310C- AC OLT device with 4 PON ports			180	
#029	441	Supermicro SYS-5019C-L+			30	
#029	442	SFP 1G GE PON OLT SC Grade D PX20++ (35dB)			700	
#029	443	Accumulator battery B.B. Bettery BP100-			160	
#029	444	Fiber optic cable OЦПc-2A1 (1*2)-1,5 (OM=1.6)			200000 m	

#029	445	Fiber optic cable ОЦПс-4А1 (1*4)-1,5 (ОМ=1.8)			250000 m	
#029	446	Fiber optic cable ОЦПс-8А1 (1*8)-1,5 (ОМ=1.8)			450000 m	
#029	447	Fiber optic cable ОЦПс-16А1 (2*8)-1,5 (ОМ=1.8)			150000 m	
#029	448	Fiber optic cable ОЦПс-24А1 (3*8)-2 (ОМ=2)			30000 m	
#029	449	Mini-box FOB-05-12A			14000	
#029	450	Coupler PLC-1x8-split-0-SC/UPC-0.9mm			14000	
#029	451	Patch cord external (ОКТ-Д(0,5)-1E) SC/UPC-SC/UPC-30m			3000	
#029	452	Patch cord external (ОКТ-Д(0,5)-1E) SC/UPC-SC/UPC-60m			5500	
#029	453	Patch cord external (ОКТ-Д(0,5)-1E) SC/UPC-SC/UPC-80m			6000	
#029	454	Patch cord external (ОКТ-Д(0,5)-1E) SC/UPC-SC/UPC-100m			8000	
#029	455	Patch cord external (ОКТ-Д(0,5)-1E) SC/UPC-SC/UPC-120m			2500	
#029	456	Patch cord external (ОКТ-Д(0,5)-1E) SC/UPC-SC/UPC-150m			2200	
#029	457	Patch cord external (ОКТ-Д(0,5)-1E) SC/UPC-SC/UPC-200m			2500	