

MCCMNC	PLMNID	Operator	Country	2G Shutdown Date (M/D/Y)	3G Shutdown Date (M/D/Y)
27602	ALBVF	Vodafone	Albania	12/31/25	
3344030	ATG03	APUA	Antigua and Barbuda	shutdown finished	
72234	ARGTP	Telecom Argentina	Argentina		Starting in Q1/2023/Final shutdown 31.12.2023
50502	AUSOP	Optus	Australia	shutdown finished	no general sunset 2100 MHz Frequency sunset as per 01.05.2022
50501	AUSTA	Telstra	Australia	shutdown finished	6/30/24
50503	AUSVF	Vodafone	Australia	shutdown finished	12/31/23
23205	AUTCA	Hutchison Drei Austria GmbH	Austria	no specific planning	no specific planning
23203	AUTMM	T-Mobile Austria	Austria	no specific planning	3G phase out begins January 1st, 2024
23201	AUTPT	A1 Telekom Austria	Austria	no sunset planned as necessary for M2M	12/31/25
42601	BHRBT	Batelco	Bahrain	shutdown finished	
42604	BHRST	STC	Bahrain		12/31/23
47001	BGDGP	Grameenphone	Bangladesh	12/31/25	12/31/26
20620	BELKO	Telenet Group NV/SA	Belgium	12/31/27	30.09..2024
20610	BELMO	Orange Belgium NV/SA	Belgium	12/31/30	12/31/25
20601	BELTB	Proximus PLC	Belgium	no specific planning	12/31/24
350000	BMUBD	Bermuda Digital Communications	Bermuda	01.01.2017 (to be verified)	no specific planning
21890	BIHPT	BH Telecom JSC Sarajevo	Bosnia and Herzegovina		6/1/25
52811	BRNDS	"Datastream Technology Sdn Bd"	Brunei	shutdown finished	
28401	BGR01	A1 Bulgaria	Bulgaria		12/31/25
45602	KHMK4	Smart Axiata	Cambodia		shutdown finished
302610	CANBM	Bell Mobility Inc.	Canada	no 2G network operator	no specific planning
302720	CANRW	Rogers	Canada	no specific sunset planning 1900 Frequency sunset as per 07.06.2021	no specific sunset planning 1900 Frequency sunset as per 07.06.2021
338050	JAMDC	Digicel Cayman	Cayman Islands	shutdown finished	
46000	CHNCT	China Mobile	China	no specific planning	no specific planning
46001	CHNCU	China Unicom	China	Closure begins 2024	Closure begins 2024
73002	CHLTM	Telefonica Moviles Chile S.A.	Chile	12/31/23	
732101	COLCM	Comunicacion Celular S.A.	Columbia	28.02.2023 postponed	12/31/25
732111	COLCO	Colombia Movil S.A.	Columbia	shutdown finished	
71204	CRITC	Liberty Costa Rica	Costa Rica	12/31/23	
21901	HRVCN	Croatian Telecom Inc.	Croatia	earliest 2025	During 2024
21910	HRVVI	Vip Net GSM	Croatia	no sunset planned as necessary for M2M	
28001	CYPCT	Vodafone Cyprus	Cyprus	no specific planning	12/31/25
28020	CYPPT	Primetel	Cyprus		shutdown finished
23003	CZECM	Vodafone	Czech Republic	12/31/25	shutdown finished
23002	CZEET	O2	Czech Republic	Earliest end of 2025	shutdown finished
23001	CZERM	T-Mobile	Czech Republic	12/31/25	shutdown finished
23802	DNKDM	Telenor A/S	Denmark	12/31/25	4/23/23
23806	DNKHU	Hi3G Denmark ApS	Denmark	no 2G network operator	12/31/25
23820	DNKIA	"Telia Nattjanster Norden AB"	Denmark	no specific planning	shutdown finished
23801	DNKTD	Nuuday A/S	Denmark	no sunset planned	12/31/23
74001	ECUPG	Conecel S.A.	Ecuador	12/31/23	12/31/25
24801	ESTEM	Telia Eesti AS	Estonia	no specific planning	12/31/23
24803	ESTRB	Tele2 Eesti AS	Estonia		12/31/25
24412	FIN2G	DNA Plc	Finland	12/31/25	12/31/23

MCCMNC	PLMNID	Operator	Country	2G Shutdown Date (M/D/Y)	3G Shutdown Date (M/D/Y)
24414	FINAM	Alands Telekommunikation Ab	Finland	12/31/25	
24405	FINRL	Elisa Corporation	Finland		12/31/23
24491	FINTF	Telia Finland Oyj	Finland	no specific planning	12/31/23
20801	FRAF1	Orange France	France	12/31/25	12/31/28
20810	FRAF2	SFR	France	12/31/26	12/31/28
20820	FRAF3	Bouygues Telecom France	France	12/31/26	12/31/29
26201	DEUD1	Telekom	Germany		shutdown finished
26202	DEUD2	Vodafone	Germany	12/31/25	shutdown finished
26207	DEUE2	Telefonica	Germany	no specific planning	shutdown finished
20201	GRCCO	Cosmote	Greece		shutdown finished
20205	GRCPF	Vodafone	Greece	no specific planning	5/31/23
20210	GRCSH	Wind Tre	Greece	no specific planning	shutdown finished
29001	GRLTG	Tele Greenland A/S	Greenland		EOY 2023
310470	GUMHT	Docomo Pacific	Guam, Saipan, Northern Mariana Islands	shutdown finished	
45403	HKGH3	Hutchison Telecommunications Hong Kong Holdings Limited	Hong Kong	shutdown finished	
45412	HKGPP	China Mobile Hong Kong	Hong Kong	No plans for 2G shutdown	
45406	HKGSM	Smartone Hong Kong	Hong Kong	shutdown finished	
45400	HKGTC	Hong Kong Telecommunications (HKT) Limited	Hong Kong		
21630	HUNH2	Magyar Telekom Plc.	Hungary		shutdown finished
21670	HUNVR	Vodafone	Hungary	12/31/25	11/30/23
27401	ISLPS	Síminn hf	Iceland	12/31/24	12/31/25
27402	ISLTL	Sýn hf.	Iceland	12/31/25	12/31/25
27411	ISLNO	Nova	Iceland	no 2G network operator	12/31/25
40474	INDWB	Bharat Sanchar Nigam Limited	India		12/31/24
404XX/405XX	INDxx	Bharti Airtel	India	12/1/23	shutdown finished
404XX	INDxx	Vodafone Idea	India	no specific planning	shutdown work in progress
51001	IDNSL	PT Indosat Tbk	Indonesia		shutdown finished
51010	IDNTS	Telkomsel	Indonesia		5/31/23
51011	IDNEX	XL Axiata	Indonesia	no specific planning	shutdown finished
43211	IRN11	Mobile Telecommunication Company of Iran	Iran		2024
27201	IRLEC	Vodafone	Ireland	12/31/25	Start of closure on 14.02.2023
27205	IRLH3/IRLDF	Three Ireland (Hutchison) Limited	Ireland	1/10/25	12/31/24
23458	GBRMT	Manx Telecom	Isle of Man	no specific planning	no specific planning
42501	ISR01	Partner Communications Company Ltd.	Israel	12/31/25	12/31/25
42507	ISRMS	Hot Mobile Ltd.	Israel	12/31/25	12/31/25
42503	ISRPL	Pelephone Communications Ltd.	Israel	12/31/25	12/31/25
22210	ITAOM	Vodafone Italy	Italy	no specific planning	shutdown finished
22201	ITASI	Tim Italia	Italy	no specific planning	shutdown finished
22288	ITAWI	Wind Tre	Italy	no specific planning	no specific planning
338180	JAMK9	Cable & Wireless	Jamaica	shutdown finished	
44010	JPNDO	NTT Docomo	Japan	no 2G network operator	Decommission of 2.1 GHz band on 01.01.2022 sunset scheduled for March 2026
44020	JPNJP	Softbank Corp.	Japan	no 2G network operator	1/31/24
23403	GBRAJ	Airtel	Jersey	shutdown finished	no specific planning
23450	GBRJT	Jersey Telecom	Jersey	no specific planning	no specific planning

MCCMNC	PLMNID	Operator	Country	2G Shutdown Date (M/D/Y)	3G Shutdown Date (M/D/Y)
41603	JORUM	Umniah Mobile Company	Jordan	shutdown finished	
45008	KORKF	KT Corporation	Korea, Republic of	no 2G network operator	no specific planning
41903	KWTNM	National Mobile Telecommunications Company	Kuwait		6/30/23
24701	LVALM	Latvijas Mobilais Telefons SIA	Latvia		12/31/25
29502	LIEVE	Salt (Liechtenstein) AG	Liechtenstein	shutdown finished	no specific planning
29505	LIEMK	Telecom Liechtenstein AG	Liechtenstein	no specific planning	no specific planning
24601	LTUOM	Telia Lithuania	Lithuania	12/31/28	shutdown finished
24603	LTU03	UAB Tele2	Lithuania	12/31/28	
27001	LUXPT	Post Luxembourg	Luxembourg	12/31/26	shutdown finished
27099	LUXVM	Orange Communications Luxembourg	Luxembourg		12/31/25
45501	MACCT	Companhia de Telecomunicações de Macau,	Macau	shutdown finished	
45500	MACSM	S.A.R.L.	Macau	shutdown finished	
29401	MKDMM	Smartone	Macedonia	2026 or later	postponed, but likely in 2023
50212	MYSBC	Makedonski Telekom AD Skopje	Malaysia		shutdown finished
50219	MYSCC	Maxis Broadband Sdn. Bhd.	Malaysia		shutdown finished
50218	MYSK7	Celcom Axiata Berhad	Malaysia	no 2G network operator	shutdown finished
50216	MYSMT	U Mobile Sdn Bhd	Malaysia	no specific planning	shutdown finished
334030	MEXMS	Digi	Mexico	shutdown finished	
25901	MDAVX	Pegaso PCS	Moldova		12/31/25
21210	MCOM2	Orange Moldova S.A.	Monaco	shutdown finished	no specific planning
29703	MNEK8	Monaco Telecom	Montenegro	1/1/25	1/1/25
29702	MNETM	MTEL d.o.o. Podgorica	Montenegro	2027	Retirement of 2100 MHz in 2022
41406	MMRTN	CRNOGORSKI TELEKOM A.D.	Myanmar	12/31/24	12/31/25
20404	NLDLT	Telenor	Netherlands	12/31/25	shutdown finished
20416	NLDPN	Vodafone	Netherlands	Shutdown starting on 01.06.2023	not yet scheduled
20408	NLDPT	T-Mobile	Netherlands	Earliest April 2025	shutdown finished
36251	ANTK9	KPN B.V.	Netherlands Antilles	shutdown finished	
54601	NCLPT	Telcell	New Caledonia	1/1/25	
53001	NZLBS	OPT	New Zealand		12/31/24
53024	NZLNH	Vodafone	New Zealand	shutdown finished	
24202	NORNC	2degrees	Norway	12/31/25	shutdown finished
24201	NORTM	Telia	Norway	12/31/25	shutdown finished
41007	PAKWA	Telenor Norge AS	Pakistan		12/31/23
71610	PERTM	Pakistan Mobile Communications	Peru	12/31/24	12/31/26
51503	PHLSR	América Móvil Perú S.A.C.	Philippines		12/31/23
26002	POL02	Smart Communications, Inc.	Poland	12/31/30	4/30/23
26003	POL03	T-Mobile Polska S.A.	Poland	12/31/30	12/31/25
26801	PRTTL	Orange Polska S.A.	Portugal	12/31/25	no specific planning
22603	ROMCS	Vodafone	Romania	Some refarming in 2023 and closing in 2029	Shutdown still in progress (without target date)
22610	ROMMR	Telekom Romania Mobile Communications S.A.	Romania	12/31/30	12/31/25
42001	SAUAJ	S.C. Orange România S.A.	Saudi Arabia	End of 2025	shutdown finished
22005	SRBNO	Saudi Telecom Company (STC)	Serbia	no sunset planned as necessary for M2M	
52503	SGPM1	VIP mobile d.o.o.	Singapore	shutdown finished	no specific planning
		M1			

PLANNED NETWORK SHUTDOWNS

MCCMNC	PLMNID	Operator	Country	2G Shutdown Date (M/D/Y)	3G Shutdown Date (M/D/Y)
52505	SGPSH	StarHub	Singapore	shutdown finished	no specific planning
52501	SGPST	SingTel	Singapore	shutdown finished	no specific planning
23102	SVKET	Slovak Telekom, a.s.	Slovakia	no specific planning	12/31/23
23101	SVKGT	Orange Slovensko, a.s.	Slovakia	12/31/30	1/1/24
29340	SVNSM	A1 Slovenija d.d.	Slovenia	12/31/30	6/30/23
29341	SVNMT	Telekom Slovenije d.d.	Slovenia		shutdown finished
65502	ZAFK8	Telkom	South Africa	2G shutdown in progress - no sunset date provided	3/31/25
65507	ZAFCC	Cell C	South Africa	6/30/24	3/31/25
65510	ZAFMN	MTN	South Africa	6/30/24	12/31/25
21401	ESPAT	Vodafone	Spain	12/31/25	
21403	ESPRT	Orange	Spain	no specific planning	12/31/25
21407	ESPTTE	Telefonica	Spain	no specific planning	2025
21404	ESPMX	Xfera	Spain	no 2G network operator	no specific planning
41301	LKA71	Mobitel (Pvt) Limited	Sri Lanka		6/30/23
41305	LKAAT	Bharti Airtel	Sri Lanka		shutdown finished
24008	SWEEP	Telenor Sverige AB	Sweden	no specific planning	12/31/25
24007	SWEIQ	Tele 2	Sweden	no specific planning	latest 2025
24001	SWETR	Telia	Sweden		12/31/23
22801	CHEC1	Swisscom Mobile	Switzerland	shutdown finished	12/31/25
22802	CHEDX	Sunrise	Switzerland	shutdown finished	
22803	CHEOR	Salt	Switzerland	shutdown finished (Still a few sites available in some remote areas. They will be replaced over time.)	
46601	TWNFE	FarEast Tone	Taiwan	shutdown finished	6/30/24
46692	TWNLD	Chungwa	Taiwan	shutdown finished	6/30/24
46697	TWNPC	Taiwan Mobile	Taiwan	shutdown finished	6/30/24
52005	THAK8	dtac TriNet Co., Ltd.	Thailand	no 2G network operator	12/31/25
42403	AREDU	Emirates Integrated Telecommunications Company PJSC	UAE	Q4 2023	
42402	ARETC	ETC	UAE	Q4 2023	
23420	GBRHU	"Hutchison 3G UK Ltd"	United Kingdom		12/31/24
23430	GBRME/GBROR	EE	United Kingdom		Beginning on 01.01.2024 closure on 31.12.2024 decommissioning starting in Feb 2023 full network 31.12.2023
23415	GBRVF	Vodafone	United Kingdom	12/31/25	
310410	USACG	AT&T	USA	shutdown finished	shutdown finished
310450	USACI	Viaero	USA	shutdown finished	no specific planning
310320	USAK5	Smith Bagley Inc	USA	12/29/23	
310020	USAK8	Union Wireless	USA	shutdown finished	no specific planning
310260	USAW6	TMUS	USA	4/2/24	shutdown finished
45204	VNMK8	Viettel	Vietnam		shutdown finished
45201	VNMMO	MobiFone	Vietnam	no specific planning	
45202	VNMVI	VNPT International	Vietnam	no specific planning	