Country	Features	Network Code	Deployment band(s)	IP Roaming	Non-IP Roaming			Data Transport via…		RRC Activity Timer	Release Assistance Indication (RAI)	Dynamic PSM PSM Activity Timer T3324			Data Packet Buffering (HLCom)		LP-TAU Extended timer T3412			eDRX					SMS Support		Voice Support (VoLTE)	Coverage Enhancement		GTP-IDLE Timer on IPX Firewall	Coverage Map link
	Configuration	PLMNID	Band Nb.	IPv4, IPv6, Dual-stack	Yes/No	via SCEF	via PGW	Control Plane	User Plane	T RRC	Access Stratum (Rel. 14)	no/static/dynamic	min value	max value	Yes/No	Nb of packets	no/static/dynamic	min value	max value	no/static/dynamic	t eDRX min value	T eDRX max value	T PTW Min Value	T PTW max value	SMS over SGS	SMS over SGd	#REF!	#REF!	#REF!		
Austria	**Magenta Telekom**	**23203**	Band 3, 8 & 20	IPv4	No			No	Yes	10s	No	Dynamic	0 sec	186 min	Yes	10	Dynamic	1 hr	310 hrs	Dynamic	5,12s	2621,44s	1,28s	20,48s	Yes	No	No	Yes	No	24 hrs	
Canada	**Bell**		Band* 12 & 4, 5	IPv4, IPv6	No			NO	Yes	10s	No	Dynamic	0[1] or 16[2] seconds	187 min	No	N/A	Dynamic	4[2] hrs	311 hrs	No	N/A	N/A	N/A	N/A	No	No	No	Yes	No	N/A	Bell LTE-M Coverage
Denmark	**Telia Denmark**			No						2 secs		Dynamic	0 sec	186 min	Yes	1 Packet	Dynamic	1 hr	312 hrs						Yes		No			tbc	IoT dækningsko
Finland	**Telia Finland**			No						2 secs		Dynamic	0 sec	186 min	Yes	1 Packet	Dynamic	1 hr	314 hrs						Yes		No			tbc	Kuuluvuusk artta |
France	**Orange France**	**20801**	Band 20	IPv4	No	N/A	N/A	No	Yes	5s	No	Dynamic	0 sec	186 min	No	N/A	Dynamic	54 min	70hrs	Dynamic	5,12s	2621,44s	1,28s	20,48s	Yes	No	No	Yes	No	N/A	https://ww w.orange-
Germany	**Vodafone Germany**	**26202**	B20	IPv4	No			Yes	Yes	TBD	No	Dynamic	0	11160	Yes	15	Dynamic	4h	413 days	No							No	Yes	No	24 h	https://ww w.vodafone.
Germany	**Telekom Deutschland**	**26201**	Band 3 & 20	IPv4, IPv6	No			No	Yes	10s	No	Dynamic	0 sec	186 min	Yes	10	Dynamic	1 hr	310 hrs	No					Yes	No	No	Yes	No	24 hrs	https://t-map.teleko
Hungary	**Magyar Telekom**	**21630**	Band 3 & 20	IPv4, IPv6	No			No	Yes	10s	No	Dynamic	0 sec	186 min	Yes	10	Dynamic	1 hr	310 hrs	No					Yes	No	No	Yes	No	24 hrs	
Netherlands	**Vodafone Netherlands**	**20404**	B20	IPv4	No			Yes		10s	No	Dynamic	12	11160	Yes	50	Dynamic	1h	310h	Dynamic	10,24sec	10485,76sec	1,28sec	20,48sec	Yes		No	Yes	No	25 h	https://ww w.vodafone.
New Zealand	**Vodafone New Zealand**	**53001**	B28,B3	IPv4	No			Yes	No	10s	No	Dynamic	0	11160	Yes	1	Static	90Min	90Min	No					Yes		No	Yes	No	No	
Norway	**Telia Norway**			No						2 secs		Dynamic	0 sec	186 min	Yes	1 Packet	Dynamic	1 hr	313 hrs						Yes		No			tbc	Dekningskar t | Telia
Slovenia	**A1 Slovenia**	**29340**	Band 3 & 20	IPv4, IPv6, Dual-stack	No			No	Yes	10s	No	Dynamic	0 sec	186 min	Yes	10	Dynamic	1 hr	310 hrs	Dynamic	5,12s	2621,44s	1,28s	20,48s	Yes	No	Yes	Yes	No	24h	https://ww w.a1.si/o-
Sri Lanka	**Dialog Axiata PLC**		Band 3 & 20	Yes						10s		Dynamic	0 sec	186 min	Yes	10	Dynamic	1 hr	310 hrs						Yes		No			24 hrs	
Sweden	**Telia Sweden**		Band 3 & 20	No						2 secs		Dynamic	0 sec	186 min	Yes	1 Packet	Dynamic	1 hr	311 hrs						Yes		No			tbc	Täckningska rtor - Telia.
United States of America	**AT&T**	**310410**	Bands 2, 4 and 12	IPv4, IPv6	No	N/A	N/A	No	Yes	5 sec	Yes	Dynamic	16sec	11160 sec	4kb	Dynamic	Dynamic	4 hr	310 hrs	Dynamic	5,12 sec	1,28 sec	1,28 sec	20,48 sec	Yes	Yes	Yes	Yes	No	24h	N/A

Notes Operator 1	Additional Features
1	For RRC activity timer we should consider increasing the scope because it is possible to configure different timer values for different CE levels. A single value is insufficient.
2	Don't see the point of including PTW values as this is not an IoT specific parameter. This is not done today for mobile phones so why do it for IoT
3	I was under the belief that support for CE Mode A was mandatory. So shouldn't all networks support Mode A. If they don't then they have a non-standard network. It may be more beneficial to include the number of repititions for each CE level.
4	Links to coverage maps are not the domain of IR.21 There hypertext links are already managed separately by the GSMA.
5	It is technically possible for LTE-M to support DONAS and NIDD. We should add fields similar to the NB-IoT sheet to allow for the possibility of control plane and NIDD

Note:
*: Bands are market specific
1: device enters PSM mode immediate after sending date
2: recommended value in GSMA LTE-M Deployment-Guide-v3.pdf