			3GPP standard technology									Non 3GPP technology	
			D	Delivered in 4G/LTE network				Delivered in 5G networks			Delivered over Satellite - NTN	5G DECT 2020 NR (5G NR+)	LoRa
Requirement area	Decision	Answer	NB-IoT		Cat-1bis	Cat-1	Cat-4	NB-IoT		RedCap	NB-IoT	5G NR+	LoRa Wan
Module location	Geographic	Cootprint  Single country - local/regional deployment  Single country - populated areas  Single country - complete coverage  Western countries + mature APAC - populated areas  Global coverage - populated areas  Truely Global incl non-populated areas	x x x	X X X	X X X X	X X X X X	X X X X X X X X X X X X X X X X X X X	х х х	X X X	X X X	X X X X X X	X	X X
	Module loca	tion Outdoor Indoor Deep indoor or underground	X X X	X X X	x x	X X	X X	X X X	X X X	X X	Х	X X	X X X
App Requirements	Bandwith re	quirements 10s of Kbit/s 100s of Kbit/s 1 Mbit/s 4 Mbit/s or higher	х	X X (x)	X X X	X X X	X X X	х	X X (x)	X X X	х	х	Х
	,,	cy requirements < 2 sec < 400 ms < 40 ms	X X	X X X	X X X	X X X	X X X	х	X X	X X X	Х	Х	Х
	Text require Voice requir	Yes - SMS style communication required	(x)	(x)	X	X X	X	(x)	(x)	X	(x)		
Timing Requirements	Deployment	Before 2026 2026 and beyond	X X	X X	X X	X X	X X	Х	Х	Х	X X	Х	X X
	Deployment	Until 2035 Until 2045	х	х	х	Х	Х	X X	X X	X X	X X	X X	X X
Power Requirements	Power envel	Power source always available Operate on battery up to 1 year Operate on battery up to 10 year	X X X	X X X	Х	Х	Х	X X X	X X X	Х	Х	Х	X X X
тсо	Module cost	\$ \$\$ \$\$\$	Х	Х	Х	Х	Х	х	Х	Х	Х	Х	Х

(X) = Support exist in standard but not all operators support it

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