

The State of 5G Deployments

Courtesy of VIAVI Solutions



Commercial 5G Launches by End of 2019

Shows the existing 5G networks and the 5G launches that operators have publicly announced will be operational before the end of 2019



NUMBER OF OPERATOR LAUNCHES:



5G Deployments Worldwide

Shows the number of operators in each region who have launched or are planning to launch commercial 5G networks by the end of 2019



5G Network Launches by Timing

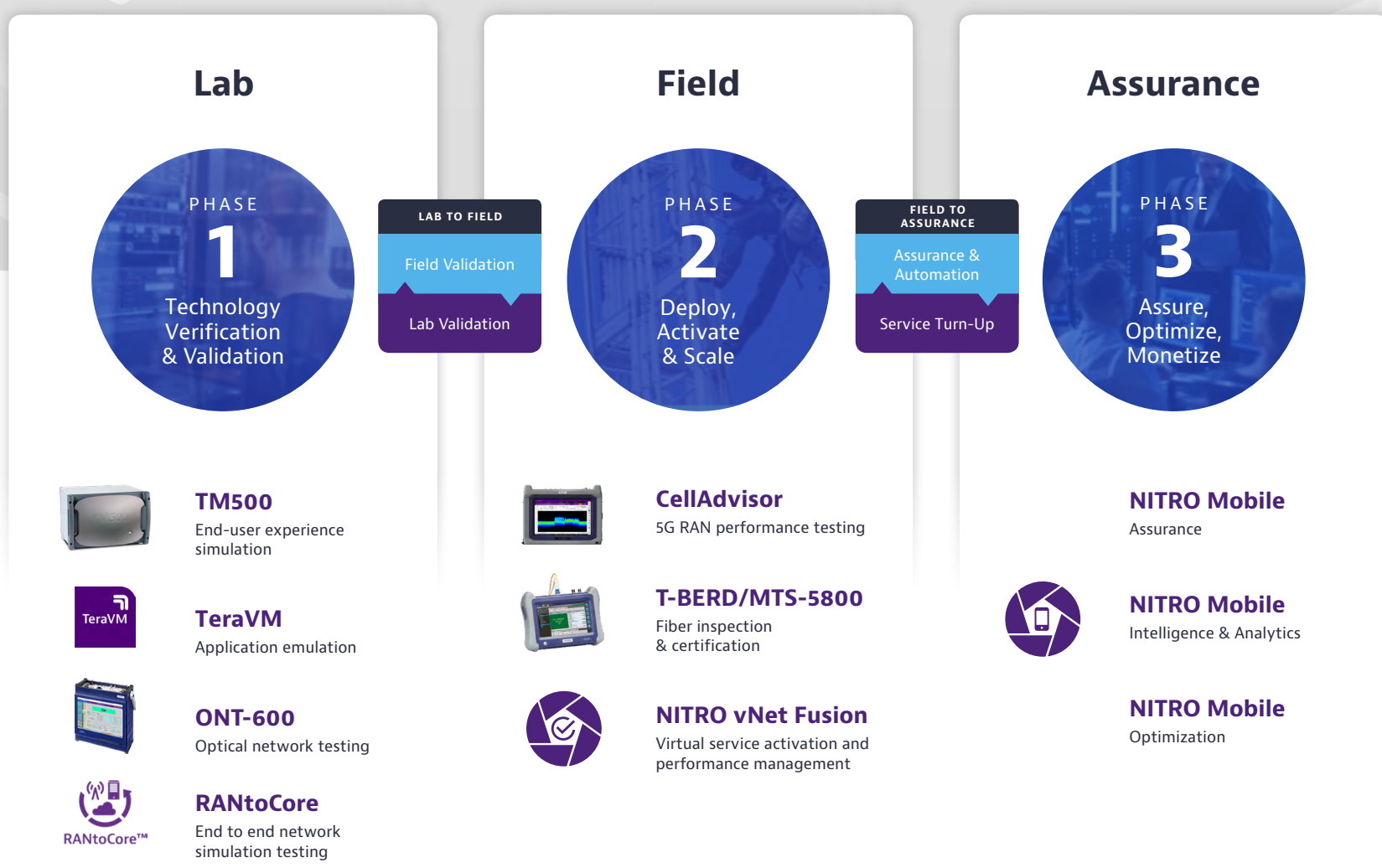
Shows the known or planned timing for launches of commercial 5G networks



2018 Launches		H1 2019		H2 2019		Unspecified 2019	
Australia	Telstra	Australia	Optus	Ireland	Vodafone Ireland	Bahrain	Batelco
Finland	Elisa	Bahrain	VIVA	Italy	Wind Tre	Canada	Rogers
Kuwait	ooredoo	China	China Telecom	Philippines	Globe PLDT	Chile	Entel
Lesotho	Vodacom Lesotho	Czech Republic	Vodafone Czech Republic	South Africa	Comsol	China	China Mobile
Poland	T-Mobile Polska	Faroe Islands	Føroya Tele	Switzerland	Swisscom	Estonia	Telia Estonia
Qatar	ooredoo Qatar	Finland	DNA, Telia Finland	UK	BT Three	France	Orange France
South Korea	KT, LG U+, SK Telecom	Kuwait	VIVA			Italy	TIM
UAE	Etisalat	Lebanon	Alfa			Japan	KDDI, NTT Docomo, SoftBank
United States	AT&T, C Spire, Verizon	Malta	Melita			Kuwait	Zain
		Qatar	Vodafone Qatar			Monaco	Monaco Telecom
		South Africa	Rain			Portugal	Altice
		United States	Sprint, T-Mobile USA			Saudi Arabia	STC
						Spain	Orange Spain
						Switzerland	Salt, Sunrise
						UAE	du
						UK	Vodafone UK
						United States	Claro (Puerto Rico)

5G Network Testing

Shows the three major interconnected phases of 5G network testing



VIAVI (NASDAQ: VIAV) is the global market leader in 5G network testing. It offers the fastest of 4G and 5G validation and visibility solutions for end-to-end network testing from the lab to the field.

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