



THE GLOBAL SUBMARINE CABLE REVIEW 2019

Worldwide Projects and Challenges

0900-1015



PACIFIC TELECOMMUNICATIONS COUNCIL

PTC'19 | FROM PIPES TO PLATFORMS
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Pacific Project Update

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TELSTRA

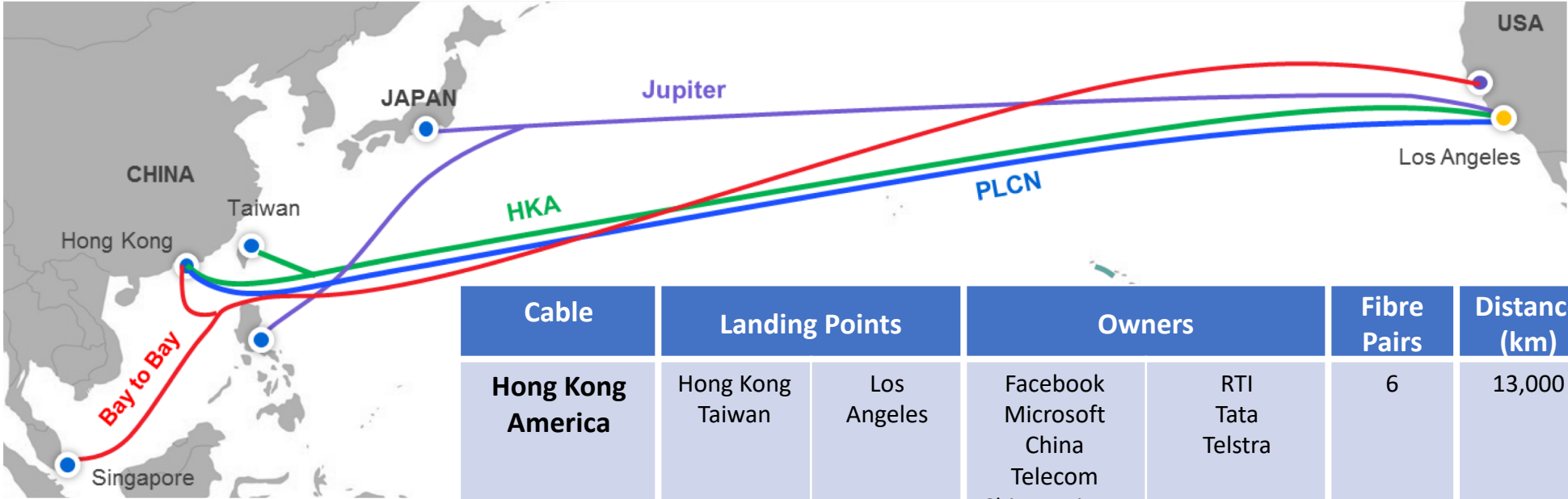


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Mid – North Pacific Projects



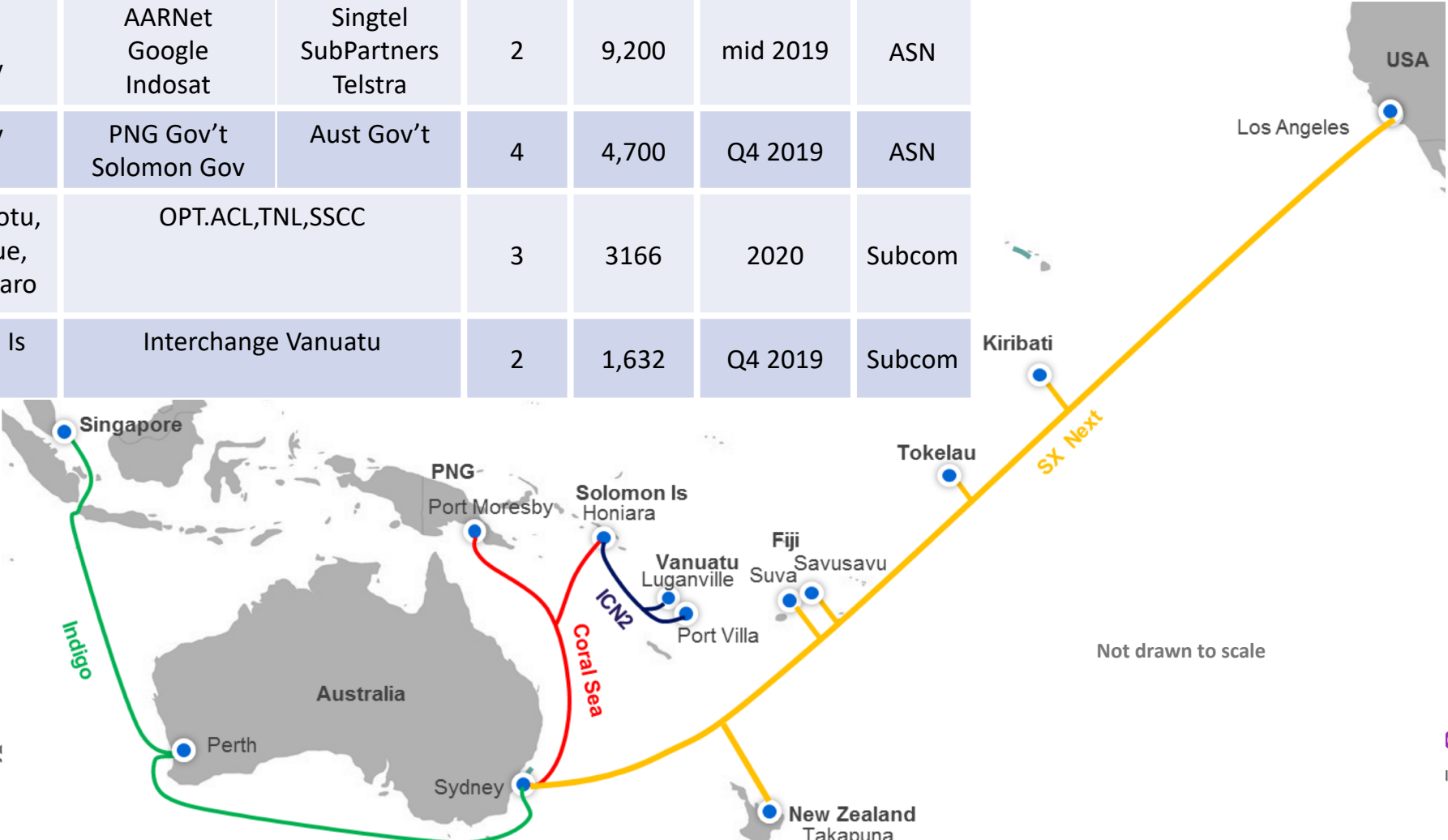
Not drawn to scale

Cable	Landing Points		Owners		Fibre Pairs	Distance (km)	Ready for Service	Supplier
Hong Kong America	Hong Kong Taiwan	Los Angeles	Facebook Microsoft China Telecom China Unicom	RTI Tata Telstra	6	13,000	Late 2020	ASN
PLCN	Hong Kong	Los Angeles	Google Facebook	PLDC	6 (C + L)	12,800	Q3 2019	Subcom
Jupiter	Japan Manila	Los Angeles	Amazon Facebook NTT	PCCW Global PLDT SoftBank	5	14,600	early 2020	TE Subcom
Bay to Bay	Singapore Hong Kong	USA	China Mobile Int'l Facebook	AWS	"108Tbps"	16,000	Q4 2020	NEC

Australia / South Pacific Projects

Cable	Landing Points		Owners		Fibre Pairs	Distance (km)	Ready for Service	Supplier
Southern Cross NEXT*	Sydney Auckland Fiji	Los Angeles Kiribati Tokelau	SCCN**	Spark,Singtel Verizon,Telstra	4	12,250	Late 2020	tbc
Indigo	Singapore	Perth Sydney	AARNet Google Indosat	Singtel SubPartners Telstra	2	9,200	mid 2019	ASN
Coral Sea SI Domestic	PNG Solomon Is	Sydney	PNG Gov't Solomon Gov	Aust Gov't	4	4,700	Q4 2019	ASN
Manatua Natitua domestic	Tahiti, Cook Is, Niue, Samoa	Apia,Toahotu, Tahiti,Niue, Aitutaki,Raro	OPT.ACL,TNL,SSCC		3	3166	2020	Subcom
ICN2	Vanuatu Luganville	Solomon Is	Interchange Vanuatu		2	1,632	Q4 2019	Subcom

*Transaction remains subject to regulatory approvals and definitive agreements”



Intra-Asia Projects

Cable	Landing Points		Owners		Fibre Pairs	Distance (km)	Ready for Service	Supplier
SJC2	Japan Thailand Cambodia Vietnam Hong Kong	Taiwan China Korea Japan	China Mobile Int Chunghwa Tel Chuan Wei Facebook	KDDI Singtel SK Broadband VNPT	8	10,500	Q4 2020	NEC
HK-G	Hong Kong	Guam	RTI		2	3,900	Q4 2019	NEC
JGA	Japan Australia	Guam	RTI Google	AARNet	2	9,500	Q4 2019	NEC (North) ASN (South)

Top 4 Regional Challenges - Pacific

1. Regulatory and Geo-Political

- Long lead time for China and US Permitting results in lengthy cable build cycles.
- Lengthening delays in obtaining repair permits in some jurisdictions
- Cabotage and the need to use locally flagged vessels in some jurisdictions

2. Landing Site Congestion

- Constraints appearing in many several locations.

3. Open Cable System Acceptance

- Open cables are starting to be delivered,
- the practicalities in test and acceptance of open cables is now being addressed,
- highlights the need for industry standards.

4. Deep Sea Mining in the Pacific

- New Cable routes having to contend with seabed mining blocks

