How Traditional Traffic Flows are Changing: The Eve of New Global Submarine Cable Networks?

Pacific Telecommunications Council – PTC 19 23rd January 2019, Honolulu Ivo Ivanov, CEO DE-CIX International



Where networks meet

What does the traffic aggregation look like as of today?



Where networks meet

landscape of historical hubs...

Where networks meet



LDN A

...but new facts - the growth is heading south



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...but new facts – content boosts the demand

Trans-Atlantic Route Used bandwidth by source 2013 – 2017



Major Routes Used bandwidth by category 2017



source White Paper "The Interplay of diversifying routes and peering markets" - TeleGeography 2018

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impact – 3 significant trends...

Some content providers build/join their own sea cable consortium & incentivize individual ISPs to sign exclusively with single sea cable



e.g.

Dunant

Curie

Google

Android

Play

Search

G

Maps

YouTube

Ads

www.de-cix.net

Google

fiber

fiber

impact – 3 significant trends...

More sea cables have been deployed to serve the traffic flows with the "South" (e.g. MAREA, Seabras-1, EllaLink...)



How will that influence historical & future hubs?



Where networks meet

Historical hubs will remain strategic ...



Where networks meet

which are likely to emerge



Take Away

Find out much more...

White Paper Telegeography 2019 –

"Subsea Cables and Interconnection Hubs. The Interplay of diversifying routes & Peering Markets"



Available NOW on de-cix.net



take away

Regime of traffic flows & interconnection will be modified, with *stronger focus on southern hemisphere*

New hubs will be created and will change the existing global interconnection landscape

How prepared are you for the Eve of New Global Submarine Cable Networks?

Thank you for your attention!



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