Africa's Cloud
is Liquid.™
Liquid Telecom Overview
Mathew Chigwende
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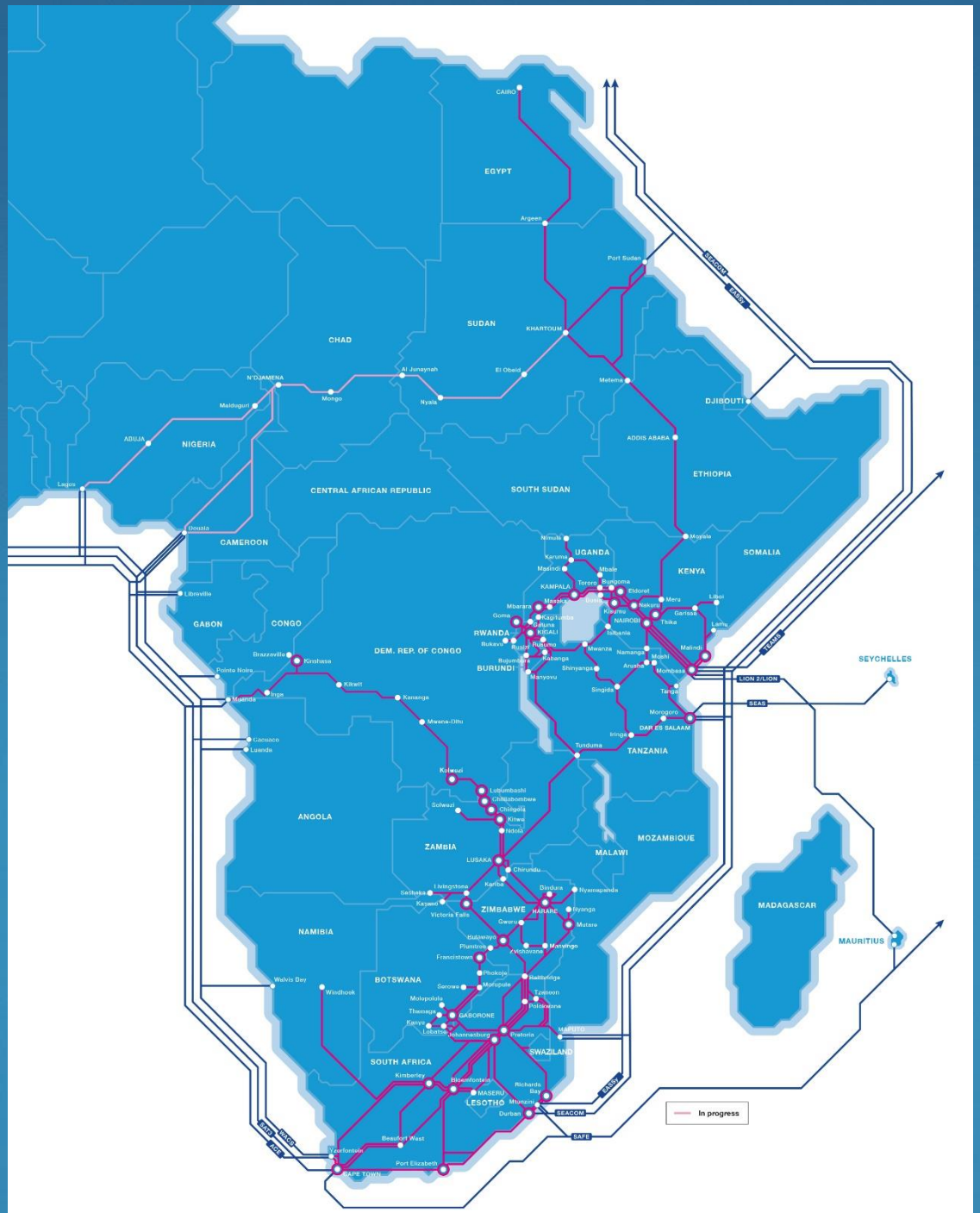
LIQUID TELECOM
www.liquidtelecom.com
Building Africa's digital future



- Africa's largest independent fibre network which runs all the way from Cape Town to Cairo
- The network currently spans nearly 70,000km across borders.

Liquid Telecom Network

- Multivendor
- One Network across all operating countries
- Multiple metro network (one per operating countries)
- IPv6 first approach; IPv6 is not optional

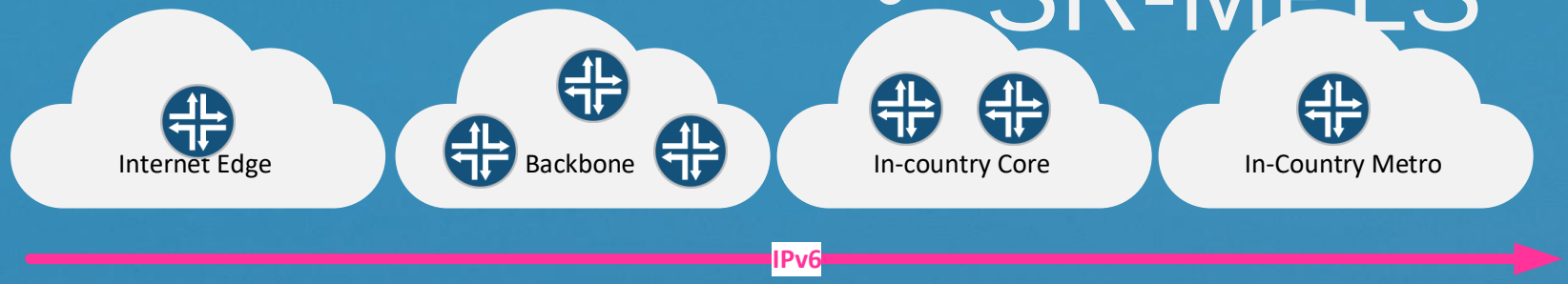
IPv6 First …

Dual stack network:

- Backbone
- In-country-Core
- In-country-Metro

IPv6:

- ISIS Single Topology
- BGP IPv6
- SR-MPLS



The Journey

LIQUID TELECOM

2006

- Activated IPv6 on our core as an MSc Project

2010

- Started rolling out MPLS in Africa. Partial IPv6

2012

- Network in 9 countries with IPv6 in core and IPT

2016

- Introduced IPv6 on GPON clients in Zimbabwe

2018

- GPON, LTE, IP Transit, WIFI customers on IPv6

Broadband Deployments

Two residential brands

- Kenya
- Rwanda
- Zambia
- Uganda
- Tanzania

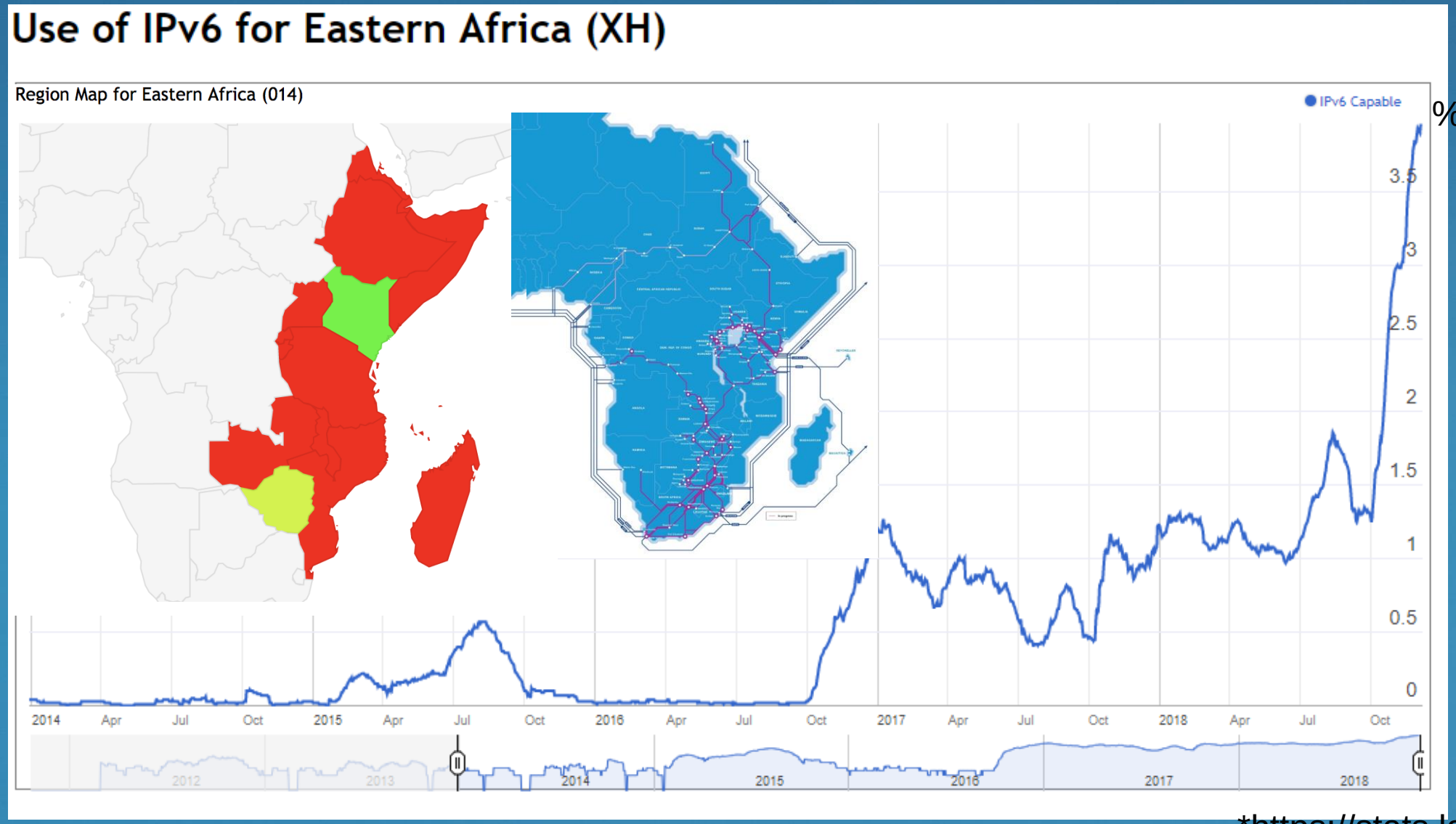
- Zimbabwe

Broadband Deployments

Across (3) Vendors’ BNG

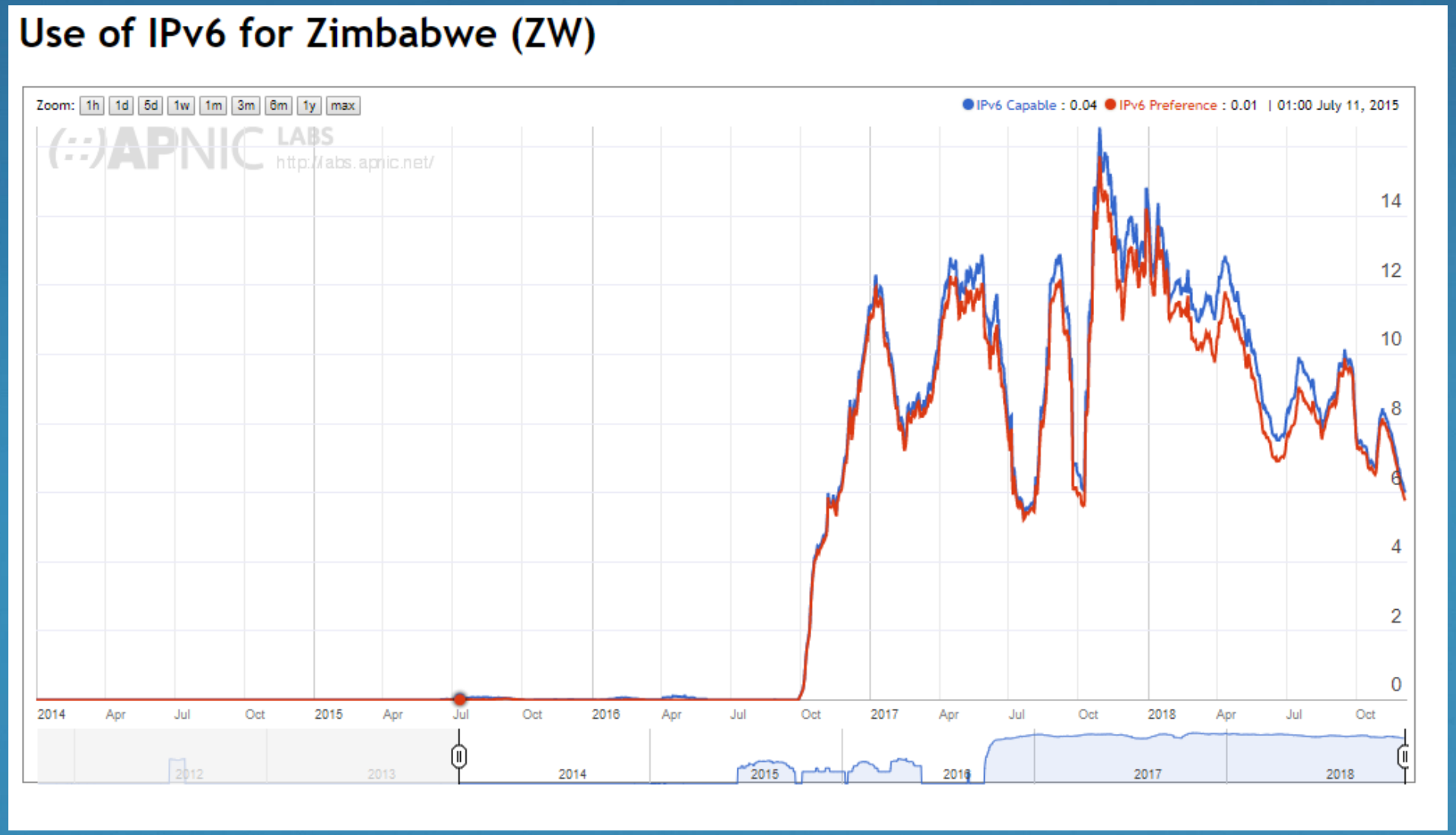
- Dual Stack
- PPPoE
- IPoE
- Translation on roadmap

Africa IPv6 Capability (%)



*https://stats.labs.apnic.net

Zimbabwe Deployments (%)



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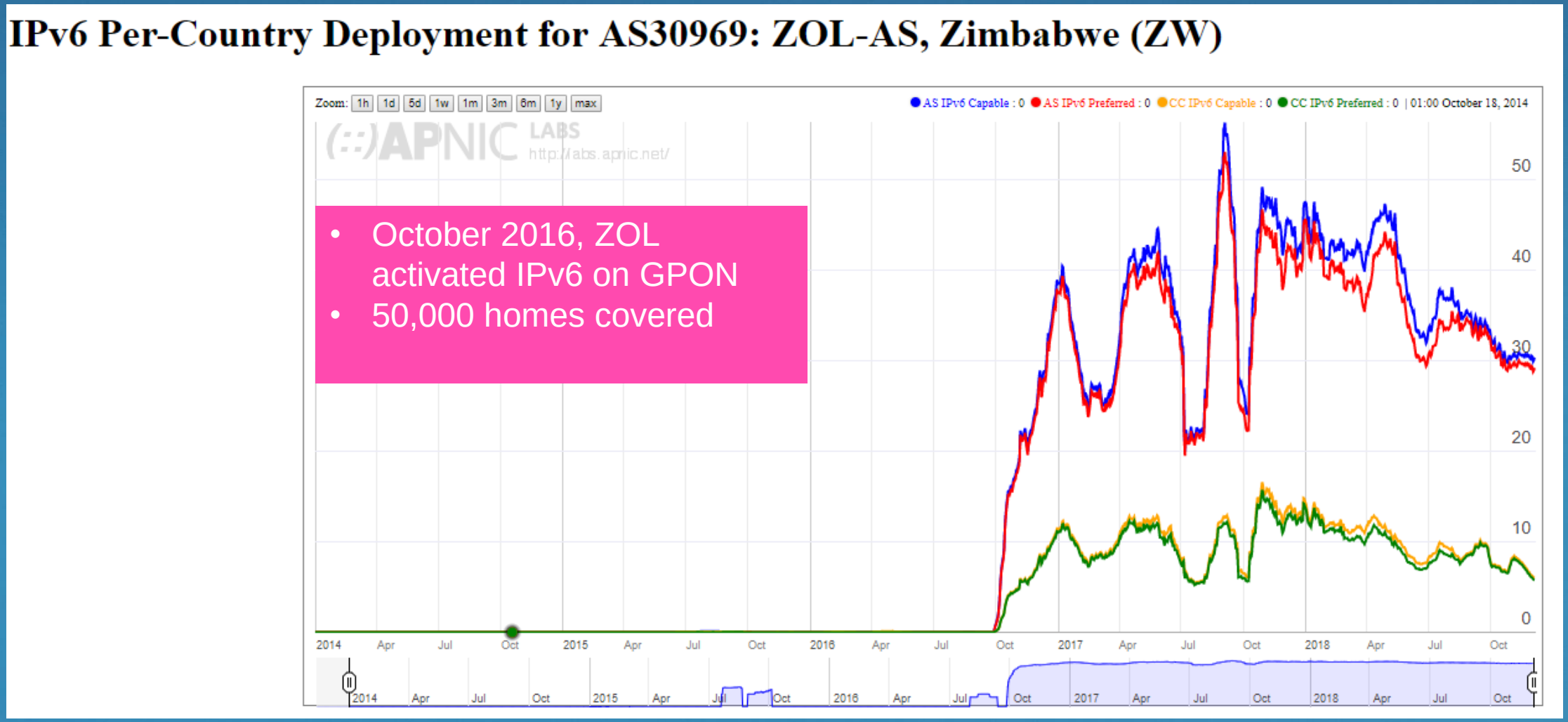
Liquid Telecom ZOL Deployments



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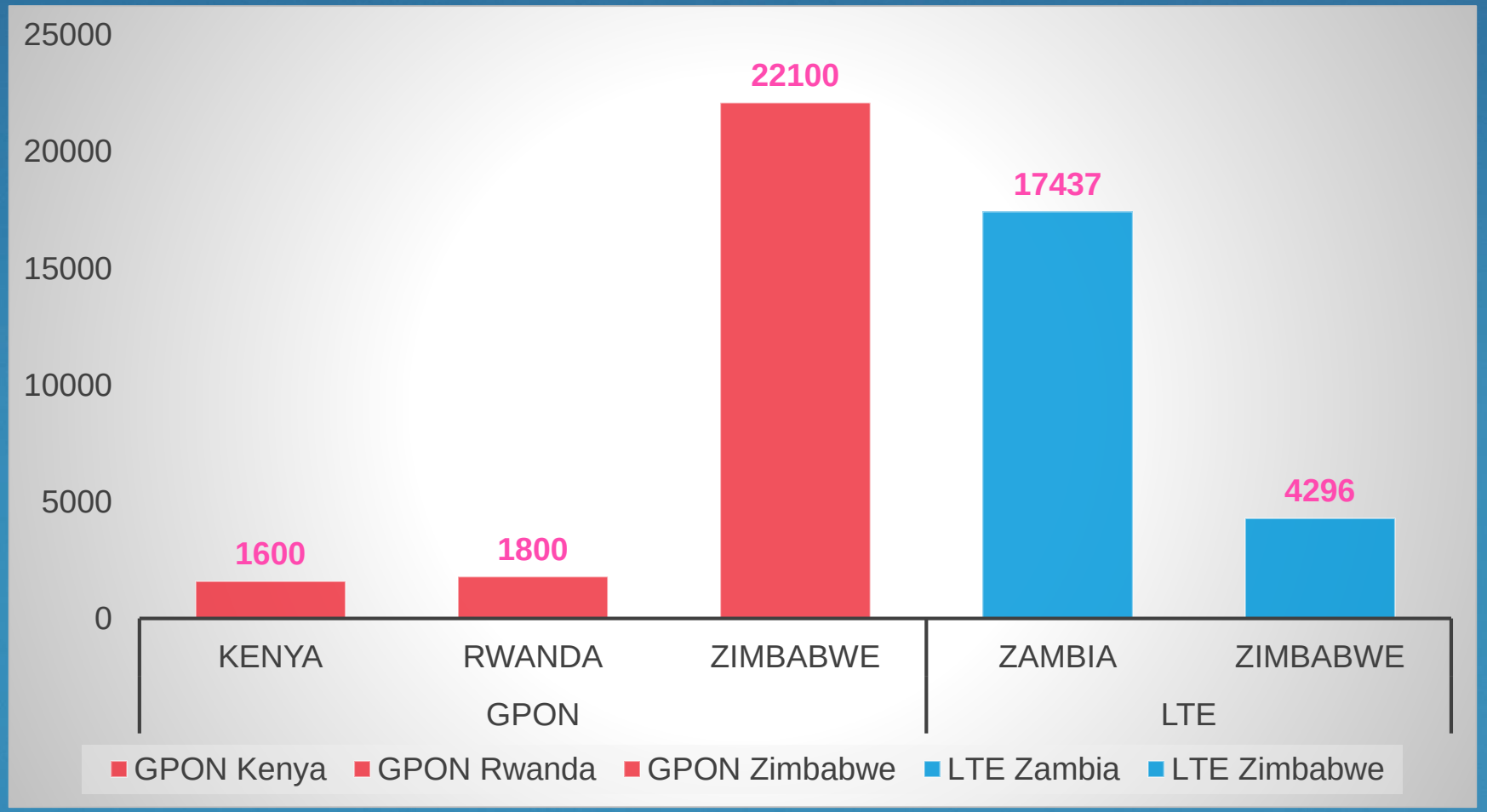
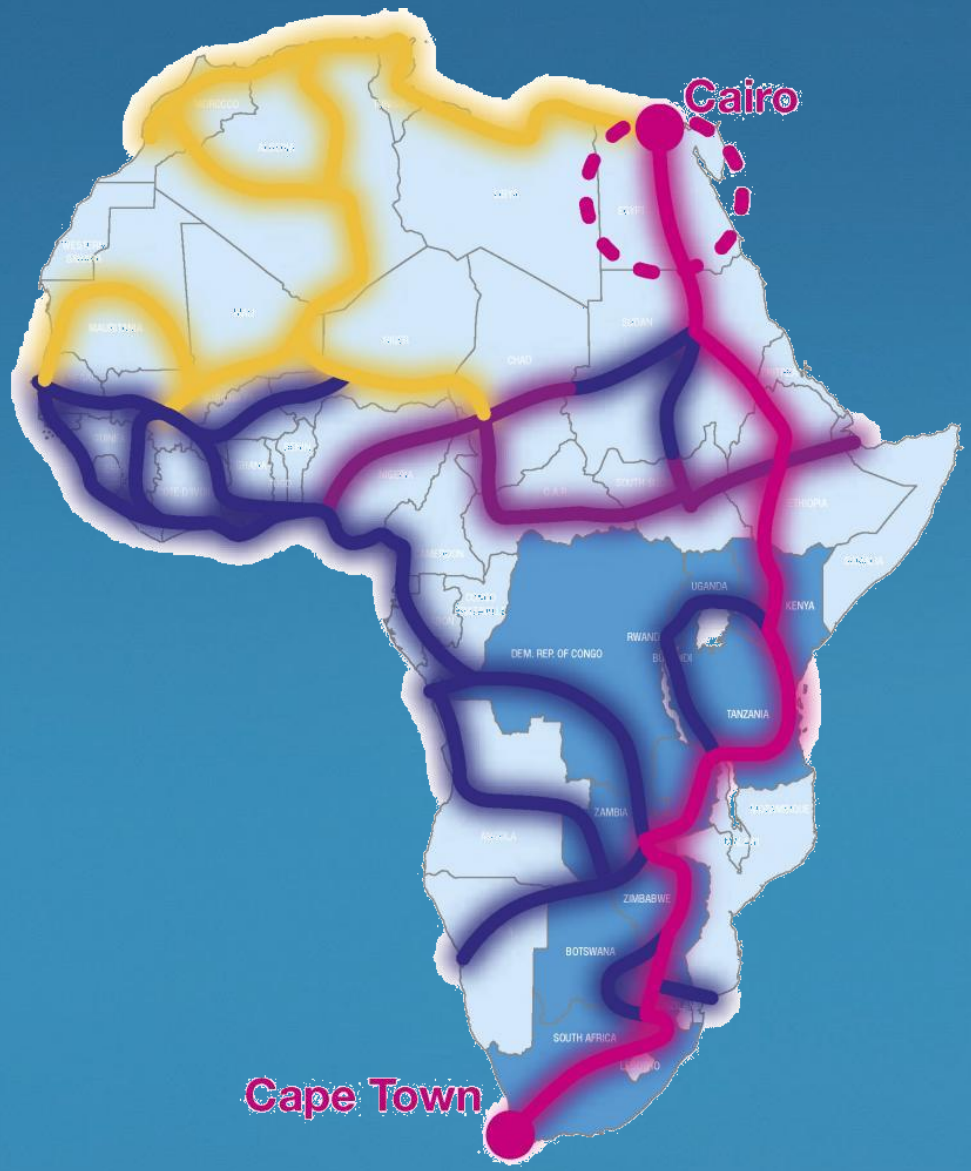
Liquid Telecom Deployments



Outlook

- Infrastructure growth
- IPv6 even more critical
- Follow technology



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