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Panel 1
Wireless Broadband Technologies

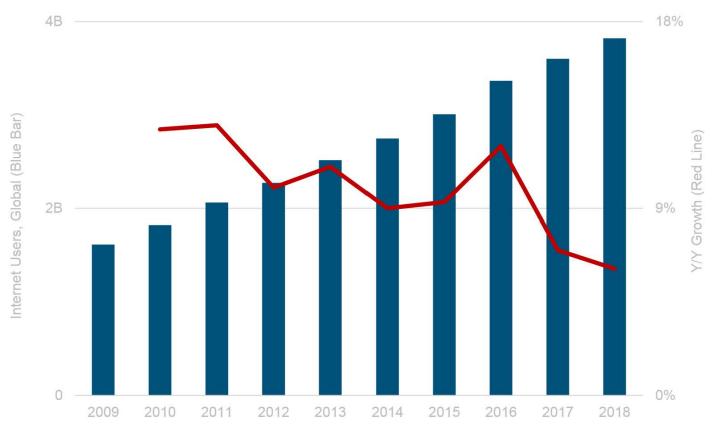
USTDA South Africa Connectivity Standards Workshop



Panel 1 – Wireless Broadband Technologies

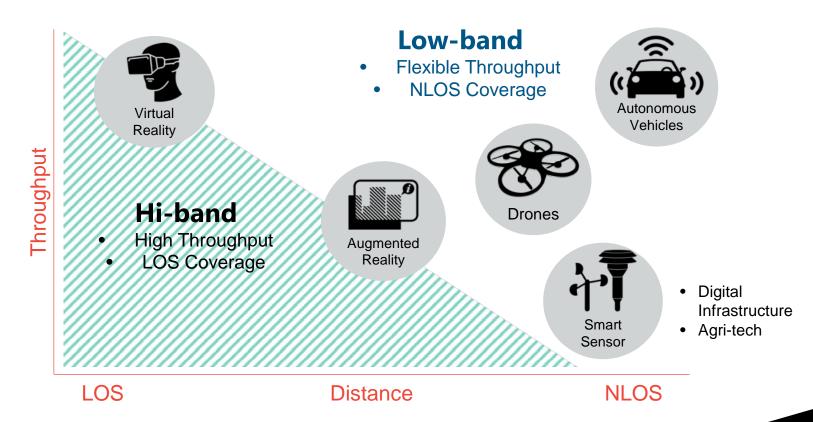
Panelists to discuss the future of connectivity in areas such as 5G,
Wi-Fi 6, TV White Space, and High Altitude Platforms
Moderator: Mark Rotter, Adaptrum
Panelists:
Clayton Naidoo, Cisco (Wi-Fi 6)
•Marco de Ru, Miro
Dr. Bienvenu Agbokponto Soglo, Intel
•Johan Smit, Telkom (Spectrum)

Internet for people

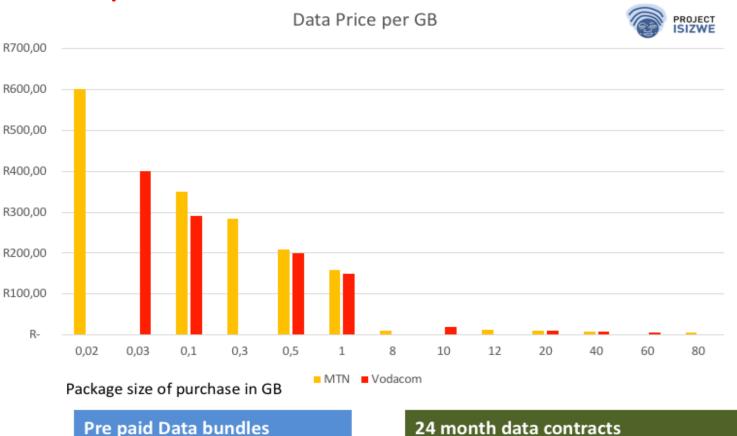


Source : Mary Meeker Internet trends 2019 https://www.bondcap.com/pdf/Internet_Trends_2019.pdf
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Internet for devices

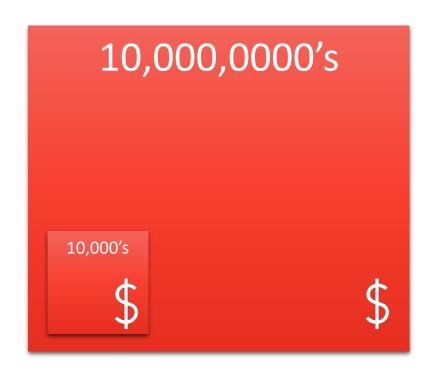


Affordability in South Africa



4IR Implications

- New economics
 - Hybrid Social-Commercial models & financing
 - Reality e.g. LTV > CAV*
- Complexity
 - Scale vs SCALE
 - Standards & Regulations
 - Intended & unintended consequences
- Skills Reinvented



Wireless Standards 5G, Wi-Fi 6, HAPS

By 2022, 5G connections and devices will be 3% of global mobile devices and connections and will account for 12% (9.2 EBs/month) of mobile data traffic.





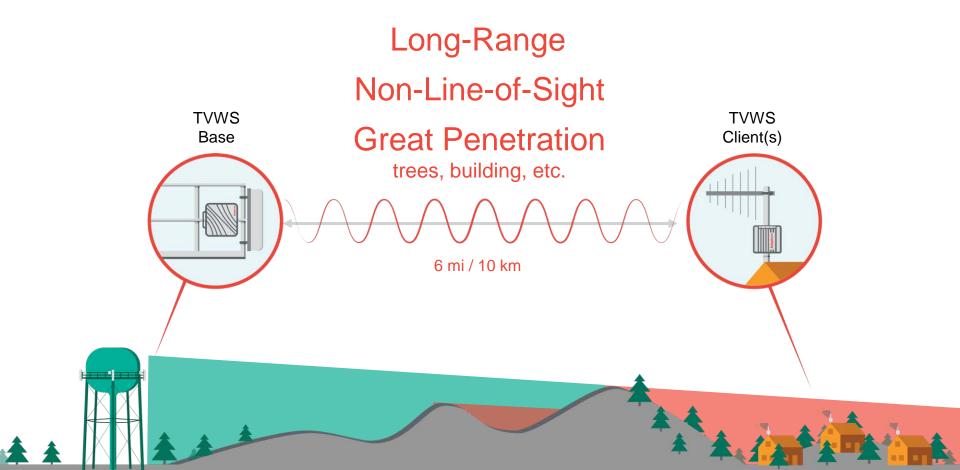
Globally, 59% of mobile data traffic will be offloaded to WiFi by 2022 (compared to 54% in 2017).

Source: Cisco VNI Global Mobile Data Traffic Forecast, 2017-2022





Dynamic Spectrum and TVWS





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Internet. Everywhere.

THANK YOU!

rk Rotter <u>mark @adaptrum.com</u>