

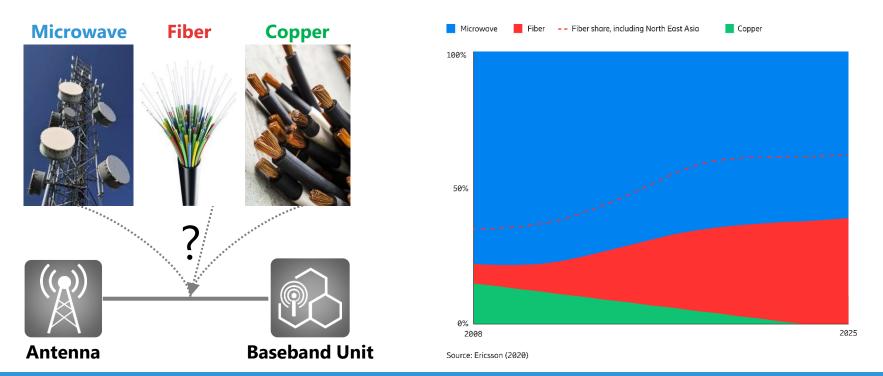
Converged optical transport to boost 5G

Challenges and solutions

Jim Zou



How important will optics be for 5G?

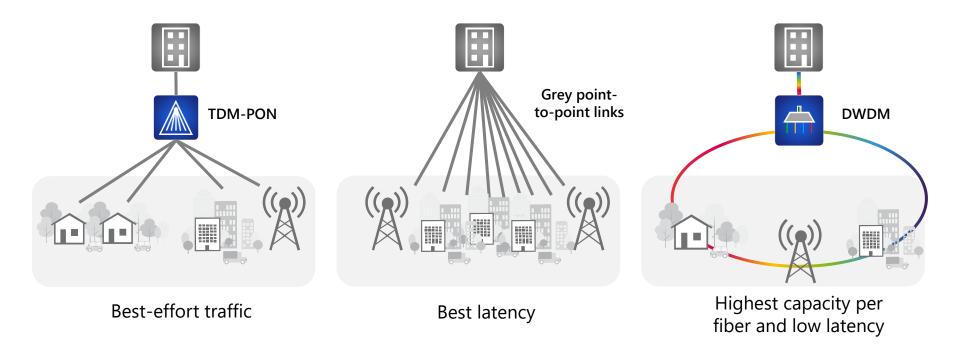


Fiber-connected radio sites are expected to increase significantly



Perhaps no silver bullet...

...but what are the optical layer options?



Pragmatic approach is needed



ADVA's G.metro solution covers the bases

Automatic self-tuning SFP+

Zero-touch provisioning, minimum set-up time, human errors and spares

Complete suite of filters

Compact filters for efficient use of fiber resources and rack space

Indoor and outdoor

Filters and plugs for operation in controlled and hardened environments



Remote monitoring

Transparent communication channel, independent of host equipment

Fiber assurance

ALM monitoring for highest network availability and minimum MTTR

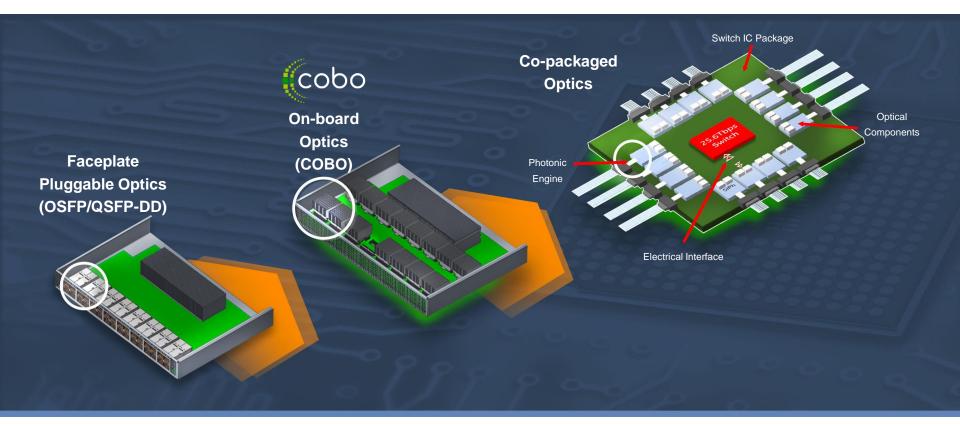
Any host equipment

ADVA or third-party equipment



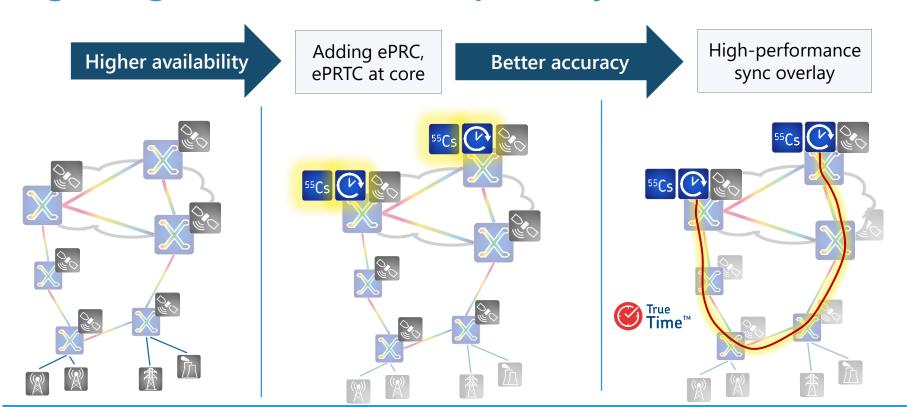


Transceiver form factor evolution





Migrating towards a future-proof sync architecture



TrueTimeTM delivers accurate timing over DWDM networks



So what does all this mean?



Pragmatic approach to building RAN networks



Ethernet makes our life simple and "easy"



Standards to set the baseline of transport



Timing/sync becomes increasingly important



Disaggregation or openness in RAN is future proof



Know-how from application, protocol to transport layer, to offer turnkey solution





Thank you / Vielen Dank / 谢谢

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