



Oscilloquartz Updates at WSTS

Timing is everything & everywhere

March 2021 – Nino De Falcis, Sr Director, Business Development Americas

Key Markets & Applications



5G radio access networks

- Highly accurate phase/frequency sync for efficient use of spectrum



- Higher timing accuracy of smart grids' control & distribution systems over packet networks

Power grids

Digital cable networks

- Timing distribution to remote-PHY devices over packet networks



- Migration from NTP to PTP sync for increased timestamping accuracy

Financial trading

Data center infrastructure

- Common & precise time base to sync distributed databases & cloud IaaS



- Tightly sync media studios (cameras/mixers/recorders/monitors) over packet networks

Broadcast networks

Federal Resilient PNT Mandate to Protect Critical Infrastructure

Secure, Resilient PNT

- NIST/DHS' secure, resilient PNT conformance framework against cyberthreats



- Higher PTP time accuracy of smart grids, with assured PNT (APNT) capability

Power Grids
DoE



Defense Networks



- Upgrading defense info system & comm networks to higher PTP accuracy, with APNT



- NG911 services over packet networks with legally UTC-traceable PTP time of log events, with APNT

Next Generation 911
DPS

Air Traffic Control



- Upgrading air traffic control & en-route radars to higher PTP accuracy, with APNT



OSA Product Line Capabilities

ENC Sync / GNSS Director - AI/ML-based sync network management for complete control & visibility



nanoGM*
1-64 clients



microGM*
8-64/128-1024 clients



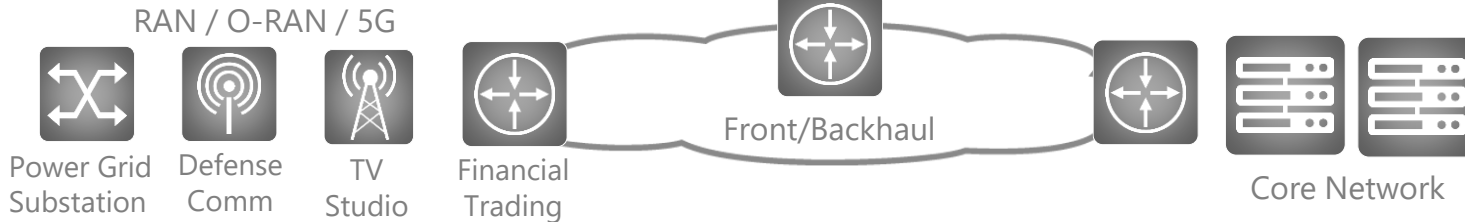
miniGM / PRTC / ePRTC*
128-1024 clients



macroGM / PRC / ePRC / PRTC / ePRTC*
128-2048 clients



*1/10G PTP, NTP, SyncE, BC, Slave, APTS, TDM, BITS, G.826x, PPS, TOD, CLK, IRIG, LPN, PTP multiprofiles, etc.





Thank you

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