

MAINGATE Network Diagram For TCDL Integration

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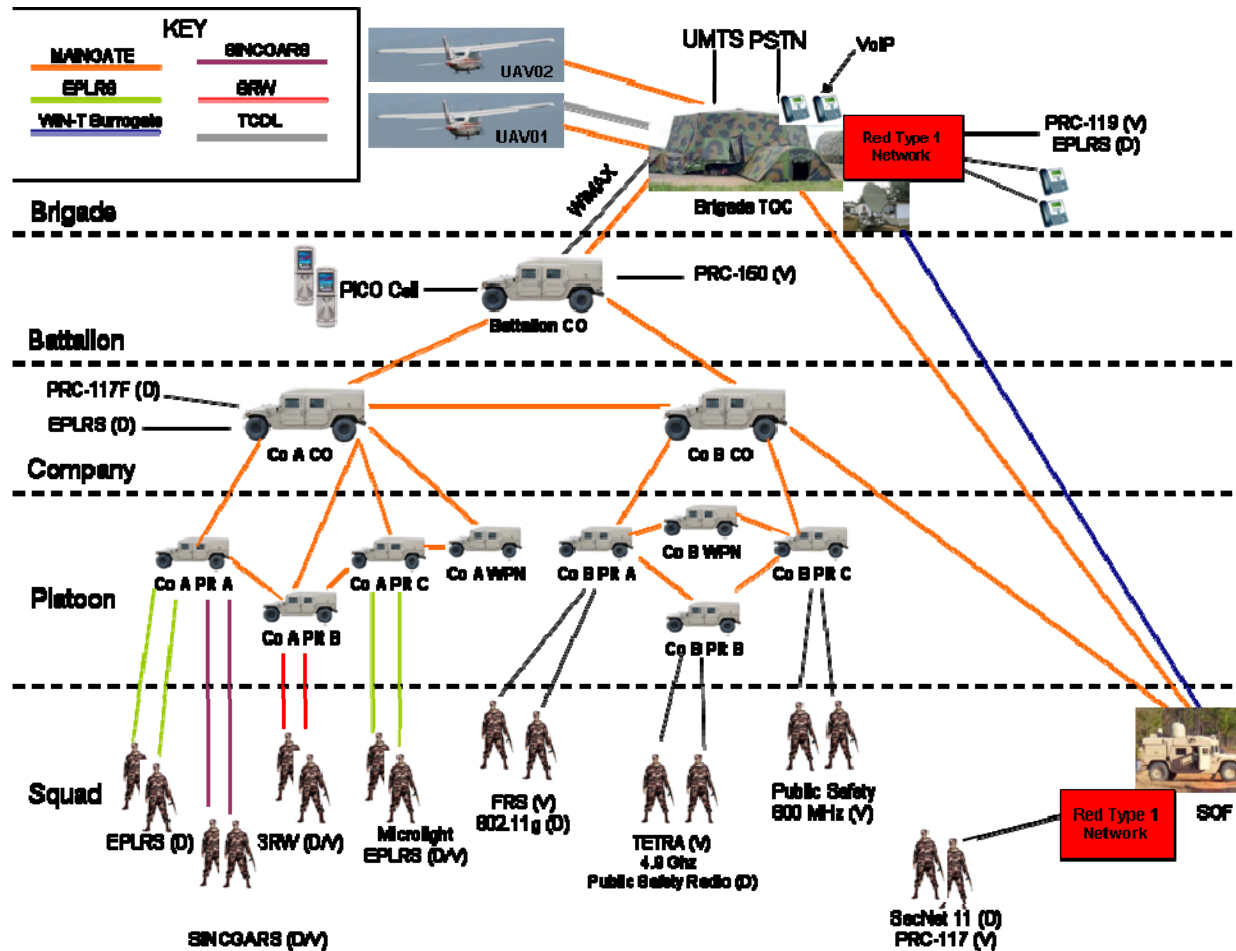
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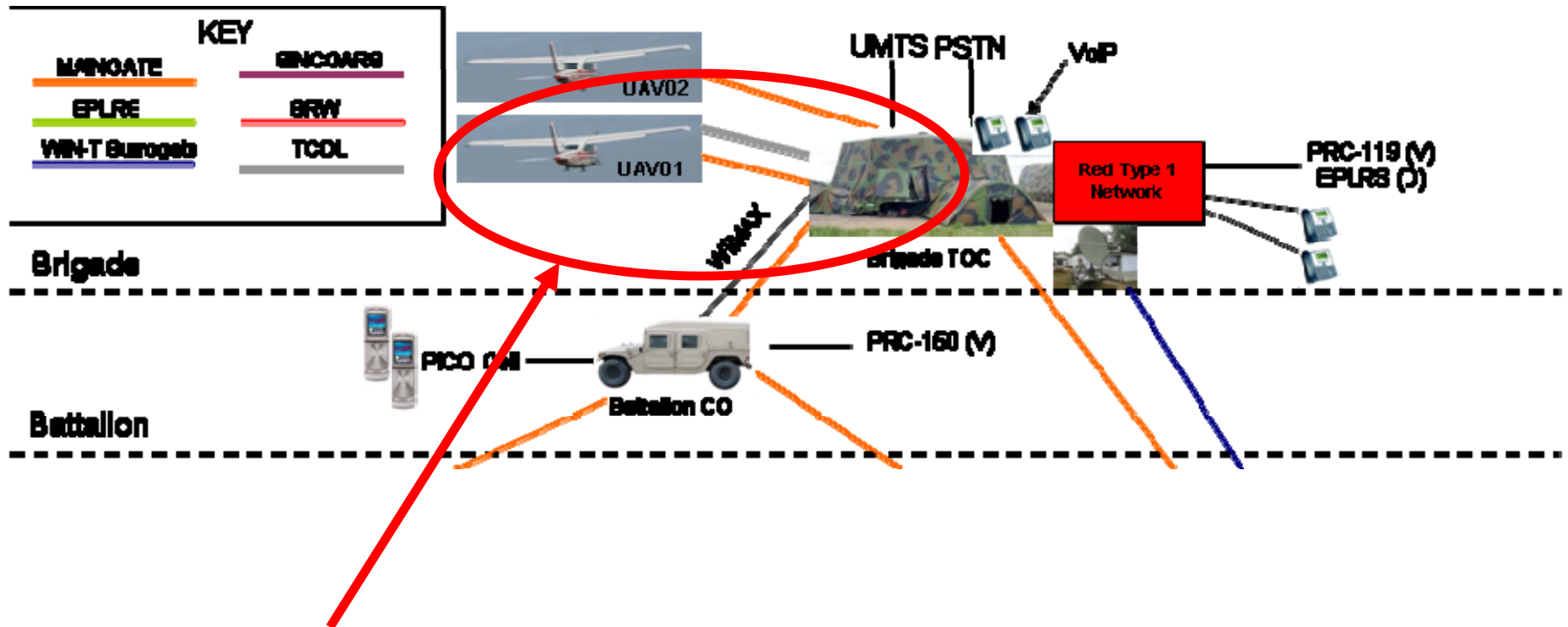
Working engineering document to assist in
deployment of TCDL in MAINGATE
Demonstrations

Deployment Overview



Subject to Minor Changes

TCDL Deployment



TCDL Link Between UAV01 and TOC

TCDL Deployment for Air to Ground Link

TCDL Deployment Diagram



TCDL Omni

TCDL Nav Input is Garmin XL-16
CenGen to provide GPS units

TCDL Tracking Antenna



Anticipated Ranges / Data Rate
10.7 Mbps out to 125 km
45 Mbps to 60 km
Manual Change of Waveforms

TCDL Network Diagram

User Traffic is UDP/TCP Unicast and Multicast

