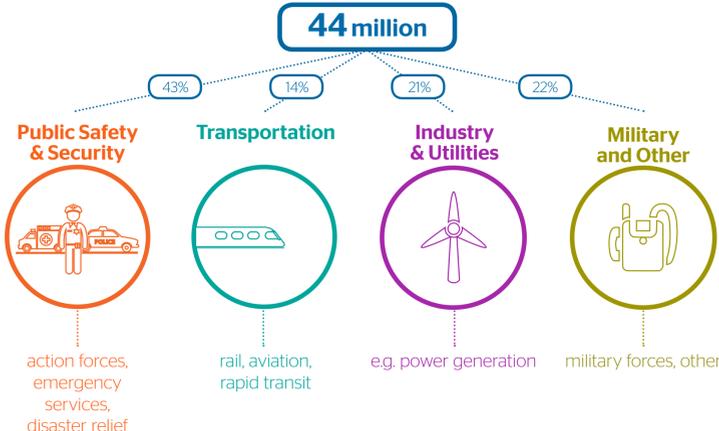


Critical communications at the crossroads

Moving beyond traditional PMR/LMR

The users of critical communications systems

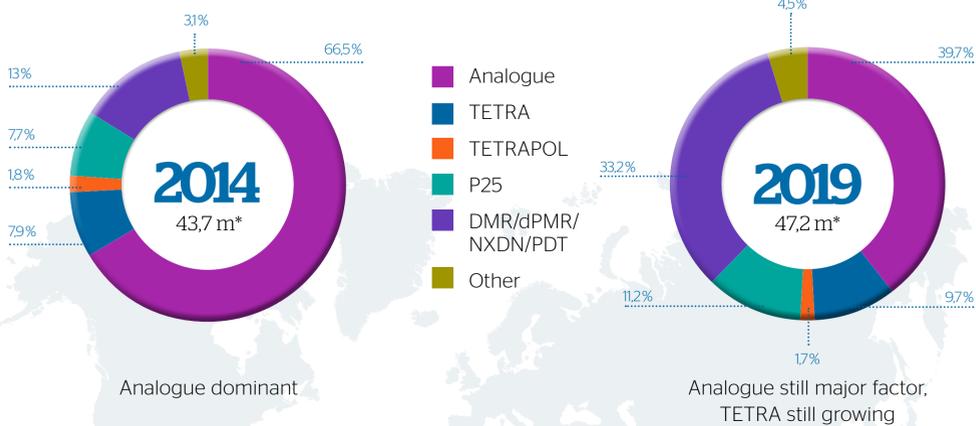


Global commercial and critical communication standards market comparison & outlook



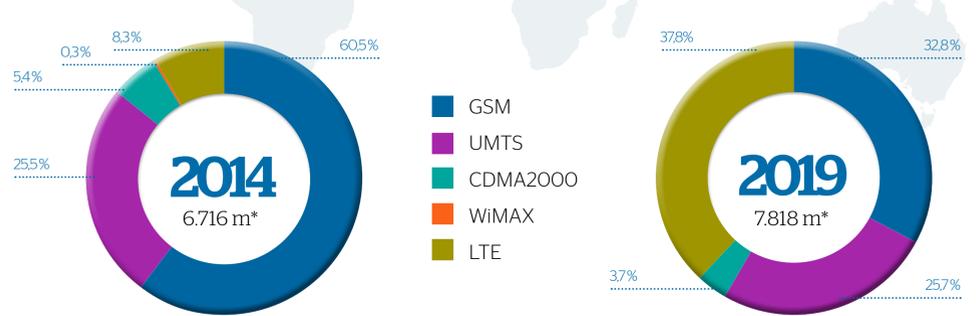
Traditional mobile radio

*active radios



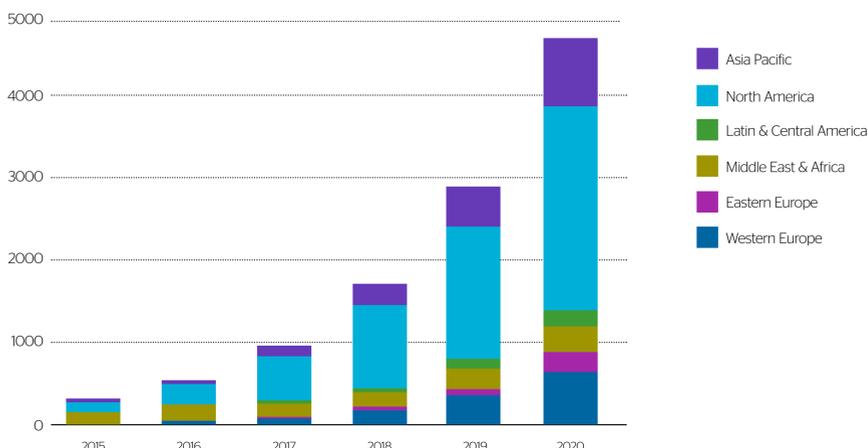
Commercial mobile broadband

*active mobile subscriptions



LTE - a future standard for all critical communications users?

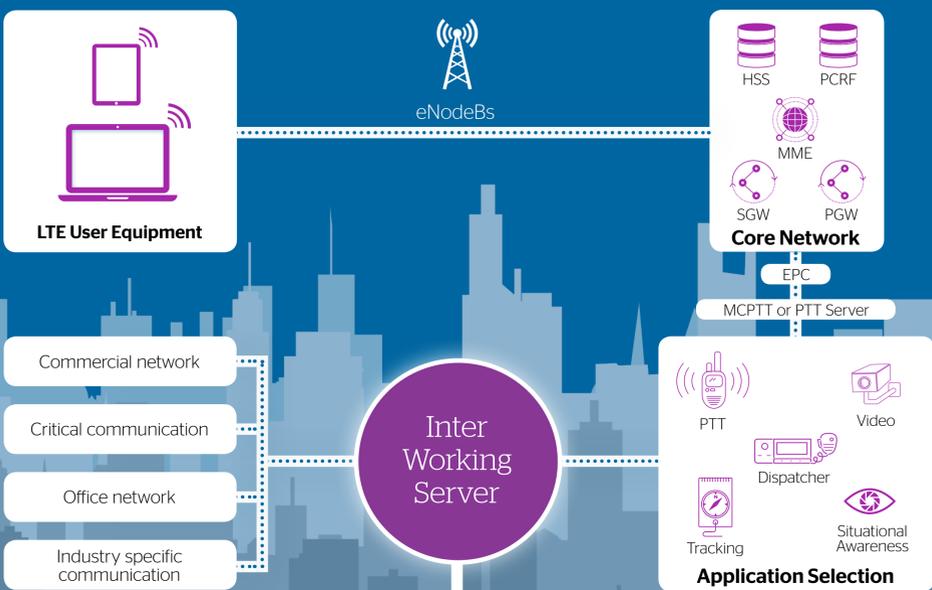
First responder subscriptions over Private Public Safety LTE networks by region 2015-2020 (estimate)



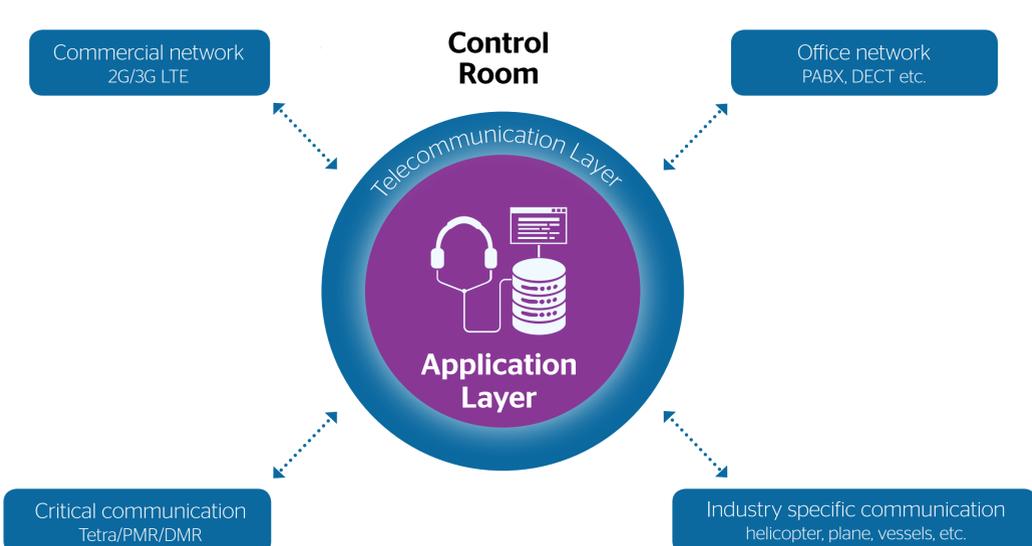
LTE adoption challenges & opportunities



Critical communications LTE system architecture



How to bring it all together today?



Many factors point towards LTE becoming the next communication standard for critical communications users.

Advanced control room applications interconnect established and new standards - enabling gradual migration and protecting investments by allowing simultaneous use of nearly all standards.

Sources:

European Commission Joint Research Centre / Institute for the Protection and Security of the Citizen - Report on "Interoperable communications for Safety and Security" (2010)
 SNS Research - Public Safety LTE Mobile Broadband Market 2014 - 2020 (2014)
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 Own architectural illustration
https://www.itu.int/en/ITU-T/text/coop/cits/Documents/Workshop201607-Tokyo/PPT/S3P1_Phil_Kidner.pptx
 IHS - Critical Communications Broadband Report (2015)

Disclaimer:

Results based on IHS Markit, Technology Group, Critical Communications Broadband Report - 2015, published August 19, 2015. Your experiences may vary. This data is not an endorsement of Atos GmbH. Any reliance on the results are at the third party's own risk. Visit www.technologyihs.com for more details.