

From: Travis Berrier

To: Behnam Ghaffari

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Message:

L3Harris has a long and established history of developing custom cellular solutions for the Federal, State, and Local law enforcement communities. One product sold exclusively to the military is the Cellular On-the-Go (OTG) kit that is a portable LTE base station meant for deployment in areas with no cellular coverage. Primarily the system is used as a local communications solution to allow UEs within the OTG coverage "bubble" to communicate with each other. Optionally, a backhaul can be provided to allow Internet access. OTG creates a private network requiring a special SIM to connect. Other UEs will ignore this network.

The hardware used is constructed around a Nokia Macro-Mini LTE3460 connected to a local PC running a Quortus EPC. Both the radio and core are in global commercial use.

L3Harris has been asked to participate and demonstrate the private LTE communications capabilities of the OTG as part of the National Guard's PATRIOT South exercise. PATRIOT South is an annual training exercise that provides a simulated natural disaster environment for units to test their response and capabilities to conduct domestic operations. As part of this experiment, the OTG will be operating at various times through the exercise dates of Feb 24 – Mar 6, 2020 to test the suitability of using OTG for disaster recovery operations.