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11:40 AM – 12:00 PM

10XARC: Accelerating Game-Changing Technology from Discovery to Army Capability

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Abstract:

The Army does not have a shortage of emerging technology. It has a time-to-capability challenge.

Across assured communications, edge computing, AI-enabled networking, autonomous systems, electromagnetic warfare, cybersecurity, and resilient command and control, potentially transformational technologies are being developed by commercial companies, nontraditional defense contractors, startups, research organizations, and traditional integrators. The challenge is rapidly identifying the right technologies, getting funding to the right performers, testing solutions under operationally relevant conditions, and transitioning successful capabilities before the threat or technology changes.

This session addresses Problem Statement 10 – DCO: What technology exists, or is in development, that the Army has not yet experimented with, that could be a “game changer” for assured voice and data communications, at echelon?

10x National Security will present 10xARC, a rapid acquisition and capability-delivery model designed to connect Army mission problems with emerging technology providers and accelerate the path from requirement to operational experimentation. Rather than prescribing a known technical solution, 10xARC enables the Government to define the operational outcome, rapidly discover and compete potential solutions, fund selected performers, execute

prototypes and experiments, measure mission impact, and transition successful technologies toward broader adoption.

Using assured communications at echelon as the primary use case, the session will demonstrate how this model can expose the Army to new approaches in resilient mesh networking, automated PACE communications, cognitive radio, tactical edge computing, spectrum optimization, AI-enabled network management, low-SWaP communications, and other technologies that may exist outside traditional acquisition channels.

The objective is not simply faster contracting. It is a repeatable mechanism for turning emerging technology into measurable battlefield advantage at mission speed.