



Organization: Vencore Labs, Inc.
d/b/a Applied Communication Sciences (ACS)

Technical PoC: Fred Douglis
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Areas Of Interest

- TA3 (Operating Systems)
- We are interested in being a lead for TA3 if MIST allows TA-specific proposals
- We can serve as a sub for TA3 as part of a larger proposal encompassing multiple TAs



Quals / Capabilities

- Vencore Labs history
 - Descended from Bell Labs -> Bellcore
-> Telcordia
 - Now primarily U.S. Government contracting
- MIST-related expertise
 - NAND Flash and other media with write constraints
 - Compression
 - Deduplication
 - Log-structured file systems
 - Real-time operating systems
 - Transaction management
 - Large-scale data management
 - Privacy and security
 - Control and Data Flow Program Analysis
- Past contracts include
 - IARPA SPAR (storage infrastructure for encrypted database management)
 - IARPA QCS (programming paradigm for quantum computers)
 - IARPA KDD (distributed knowledge discovery and information retrieval)
 - DARPA PROCEED (secure computations of MIPS machine code)



Seeking Capabilities

- System-level DNA encoding & sequencing
- Erasure coding
- TA1-2 partnerships



Contact Information

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