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Project Title	Automotive Cybersecurity Industry Consortium CAN Bus Scanning Tool Project	
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Institution:	University of Michigan	
Department:	UMTRI	
Industry or Government Principal, organization, and contact information	Automotive Cybersecurity Industry Consortium (ACIC)	
Most relevant CCAT research thrusts (choose all applicable)	<input checked="" type="checkbox"/> Enabling Technology <input type="checkbox"/> Planning and Policy <input type="checkbox"/> Human Factors <input type="checkbox"/> Infrastructure Design and Management <input checked="" type="checkbox"/> Control and Operations <input type="checkbox"/> Models and Implementation	
Funding Request	\$0	
Matching Funds and Source (if any)	ACIC \$299,640	
Total Project Cost	\$299,640	
Contract Number	69A3551747105	
Project start/end dates	11/20/2017 – 8/31/2020	
Project Abstract	<p>The Automotive Cybersecurity Industry Consortium (ACIC) required development of a software tool for security testing of vendor-supplied ECUs, similar to the Nmap security scanner on traditional networks. The CAN Bus Scanning Tool allows for scanning a vehicle to identify and exercise available diagnostic services, as seen on the network. This is useful for designers seeking to enhance vehicle security by ensuring the network elements expose only those interactions that are intended. This project involved developing, demonstrating, and distributing a software tool among ACIC members that achieves these goals.</p> <p>The final report for this project will not be publicly available.</p>	
High-level implementation plan	None	
Project Metrics	Tool development.	
Web Links:	ccat.umtri.umich.edu	