



Shipcom Qualifications and Domain Expertise

Shipcom Wireless Inc. is a hub-zone certified, and minority owned business working closely with consortiums and academia in supporting border security research and development objectives. We have extensive expertise in the integration of leading technology into legacy and developmental platforms. Shipcom has earned its reputation as an innovator for its work supporting complex, mission-critical organizations using our Catamaran platform with services such as advanced technology integration, project and program management, cyber security, enterprise architecture, system modernization, O&M, inventory and asset management, and quality assurance. Founded in 1997, Shipcom brings over 21 years of experience delivering software solutions to the U.S. Government and private industry.

Shipcom works closely with the University of Houston Borders, Trade and Immigration Institute focusing on leading research in a systematic process for vulnerability assessment of biometric systems at borders. We provide identification and tracking solutions to include advanced and hybrid Auto-ID technologies (AIDC) including Real Time Location Systems (RTLS), designed to address the key challenge of *integrating data from multiple applications* while also increasing operational efficiency through *timely validation* of the logic rules. Having acquired CMMI Level II certification (we are currently being reviewed for CMMI Level III) and Project Manager Book of Knowledge (PMBOK®) guidelines that result in reliable, predictable, cost-effective contract performance.

Shipcom Wireless is an Industry Recognized Leader Identification, Tracking and Cyber Defense Technologies to support Border Security Initiatives

Needs of the User. Shipcom establishes sound technical and programmatic performance goals based on the needs of the user using our Catamaran platform. We work closely with State, Local and Federal customers to provide a single interface for users of multiple systems that have technical and programmatic integration to provide complete visibility and reporting. It is our intent to work with the Government to provide cutting edge solutions that can be leveraged across the DHS for border security technologies.

Security Ethos. Shipcom Wireless participates in providing a unified voice for effectively articulating the strategically important role border security technologies play in current and future border protection systems. We are currently teaming with the University of Houston, Borders, Trade and Immigration Institute working on leading border security technology and research. Our efforts focus on a systematic process for vulnerability assessment of biometric systems at borders. We help the institute in analyzing and researching the feasibility of presentation attacks behind identity misrepresentation at US borders and creating a classification of attack methods and vectors based on their complexity, cost, feasibility, risks and consequences. The classification will then be cross-compared with the state of the art in biometric system security flow analysis. Observed gaps will create the research agenda leading towards practical vulnerability assessment methods and countermeasures, both managerial and technical. Project results should enable identification of biometric presentation attack risks and severities, leading towards a well-defined defense strategy.

Input and Advice and Assistance and Expertise. Our team of subject matter experts is comprised of academia, law enforcement officers, former military and government personnel to assist in providing critical input that lead to the creation of preliminary solutions to meet the critical needs of DHS as it pertains to border security.

Transition and Domain Capability Areas. Shipcom brings domain expertise and immediate transition capability to support DHS in developing innovative tools and new technologies to prevent bad actors from seeping in through our borders to include drone technologies and cyber defense.