

# Executive Summary

## SYNC<sup>5</sup> Mobile Command & Control Center

### sync5 Interoperable Communications

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A Rapidly Deployable Command & Control System



The Sync<sup>5</sup> system is designed to integrate real-time voice, video and data information in a collaborative roles-based access control environment. The Sync<sup>5</sup> system provides robust support for on-site event and incident coordination; emergency response planning; while maintaining synchronized command and control capabilities both local to the incident and remotely to headquarters operations. Sync<sup>5</sup> is scalable and robust enough to actively integrate federal interagency voice, video and data technologies; state response systems, and local emergency responder solutions, while synchronizing communications, video information, and data among other deployable mobile command centers.

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In Partnership with



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## Introduction

The physical magnitude of the geographic boundaries of our nation, in conjunction with its infrastructure and population, present a unique set of challenges during times of emergency which require the execution of fully coordinated and well-planned strategic, operational, and tactical responses from multiple tribal, state, and federal agencies, counties & parishes, local municipalities, and non-governmental and private organizations that directly impact the quality of life and delivery of essential services to U.S. citizens in their time of need. Potential emergencies may result from both natural (i.e., hurricanes, flooding, wildfire, etc.) and man-made (i.e., terrorism, criminal acts, etc.) disasters and other incidents of national significance.

The utilization of current disparate voice, video and data communications systems has proven to be cumbersome, time-consuming and extremely costly to integrate to deliver the type of real-time robust communications necessary to coordinate diverse emergency response resources; provide damage assessment reporting; and relay onsite activity to remote headquarters to synchronize strategic and tactical response coordination. Recent studies have demonstrated the critical need to provide a solution that is scalable, adaptable, mobile, and secure enough to integrate legacy systems while providing interoperability standards for current and future solutions at all levels of government and the private sector. Life safety issues require the implementation of a globally scalable solution that addresses the needs of the disaster response and first responder community as they provide support for special events, disaster assistance, logistical support, and assistance to local leadership during life threatening situations that occur in both metropolitan and rural areas. Sync<sup>5</sup> supports onsite and remote synchronized coordination, planning, and execution through the delivery of integrated voice, video and data transmissions to gather business intelligence (i.e., asset tracking, identity management, event-driven business processing, real-time notifications.) to successfully manage emergency or disaster related events.



Sync<sup>5</sup> provides the information infrastructure (voice, video and data) necessary to deliver a 'common' operational picture of the events associated with an emergency or planned response. Sync<sup>5</sup> is a mobile operational command center that is independent of traditional geographic barriers and boundaries and is transportable via air, land and sea.

The Sync<sup>5</sup> solution is capable of delivering full functionality within 4 hours after reaching its designated destination. This includes all the voice, video, and data capabilities detailed in this Executive Summary. The time to achieve voice, video, and/or voice integration and interoperability with local and state authorities can be affected by these entities.

The SYNC<sup>5</sup> solution provides both short and long term business value by delivering an immediate cost savings and cost avoidance by eliminating the need to design, build and deploy multiple non-compatible solutions among state agencies, counties or parishes, and local municipalities that increases the cost and complexity to achieve interoperable communication and data sharing. The SYNC<sup>5</sup> solution is capable of leveraging industry communication standards and can be leveraged as a global model for data, video and voice, collaboration and information sharing among the emergency first responders community. This solution will leverage the technologies and solutions currently in use, as well as those under development by the U.S. Department of Defense and the Department of Homeland Security – First Responders Passport Project and other federal and state mandated initiatives to further extend the value and cost savings of the overall effort.

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