

# The Challenge

## For Transportation Providers



MAXXESS

**T**ransportation organizations need a unified security system so they can see and share consistent and timely information when responding to emergency events.

### THE CHALLENGE IS:

- To detect threats throughout the infrastructure
- To ensure uniform response scenarios to those threats
- To ensure a quick and coordinated response.

Quick, because when a problem occurs in a congested transportation area, every minute of response may take 6-10 minutes to clear up.

Coordinated, because many responses span multi-agency organizations, each organization having a role in that response.

- To implement PIV integration
- To implement TWIC integration

Electronic security systems that are used in most transportation facilities are proprietary system solutions with very little interoperability or operational synergy. This has resulted in isolated islands of systems with unique protocols, operational structures and hardware implementations. As security requirements have grown more complex and interrelated, this has led to significantly sub-optimal solutions for many organizations.

Over the past five years, the technical convergence to IP-based products and systems has dramatically illustrated the advantages of open solutions that utilize industry-standard components and protocols for both operational utility and economic efficiency. This process is perhaps most clearly illustrated by the rapid evolution of security video from proprietary, analog imaging, communication and processing components, to open IP solutions that can take full advantage of shared communication and data storage infrastructures. This process has not only enhanced the operational utility of security video, but has led to an explosive growth in the use of video within electronic security solutions.

The challenge is to implement a unified system that has the open standards of IP (instead of proprietary technology or proprietary web pages) and integrate your legacy equipment and legacy protocols. As you expand, you want to be able to select the vendor of your choice and not be restricted to work with a specific manufacturer. You want to own and control your user interface, including enhancements and upgrades. And last but not least, you want the new system to meet the most demanding scrutiny of your IT Department.

The objective of TWIC, the transportation identification credential program, is to improve security through better identity management. Key elements are identity vetting (and proofing) and end-to-end credentialing. Based on an interoperable template, the program helps tighten security and eliminate multiple background checks for each worker.



## The MAXXESS Solution

**The MAXXESS framework is a highly efficient and cost effective solution for providing a unified operational environment for Electronic Security. It offers a true open architecture as defined by the IT standards of today. Unlike most proprietary software, MAXXESS systems create a customer-unique framework that can be connected to any and all security systems and sub-systems, providing the real-time data necessary for effective decision making.**

MAXXESS systems utilize the existing IP-based networking infrastructure distributed throughout your environment as well as any external Internet resources that may be required to provide the appropriate context for effective security operations. It can directly support IP connected systems and sources as well as bridge, via IP-based protocols, to legacy systems that do not, themselves, have direct IP connectivity.

The MAXXESS framework allows any manufacturers system to function as part of one unified system, thereby leveraging the existing (and expensive) assets currently installed. The benefit is that these diverse systems can now work together to respond to critical events and perform tasks as one complete system.

MAXXESS systems address all levels of integration and comply with FIPS 201. We implement PIV integration and we can augment your DCID compliance program.

MAXXESS has addressed seven transportation security areas that include:

- Transit Security
- Rail Security
- Freight and Commercial Vehicle Security
- HAZMAT security
- Critical Infrastructure security
- Disaster Response and evacuation

We have developed security strategies that take into account the salient characteristics of all transportation systems and comply with related identity programs. We secure the systems but allow them to be open and accessible. In many of our systems, the

# The MAXXESS Solution *(continued)*

individual must supply three identity factors: Something they have (a card), something they know (a pin number) and something they are (biometric).

We have developed solutions that can cover the extensive and ubiquitous nature of transportation systems but still be cost effective. Our systems foster efficiency and allow you to get the benefits of competitiveness. And finally, we can share the security information among pre-defined users of the information.

## Highlights

### MAXXESS FRAMEWORKS ARE ADAPTIVE

Transportation is a diverse and dynamic enterprise. MAXxess frameworks provide you with a smart infrastructure that adapts as your transportation requirements evolve. We build flexibility into our systems so they can be easily modified to address unforeseen threats.

### MAXXESS SYSTEMS PROVIDE A BUSINESS ADVANTAGE

Our framework systems are quick and easy to implement. You only need to implement what you need, when you need it.

We protect your previous investments. We allow you to integrate existing infrastructure with the latest in current generation technology, providing you a seamless integration experience.

We consolidate and unify systems. Eight separate systems may require eight different people to administer those systems. MAXXESS allows you to be more efficient and reduce your administration costs.

We significantly reduce your support costs. Our systems can be changed dynamically and, in many cases, are reconfigurable by you, the end user.

We provide you with an ability to use "circuit breakers" to isolate and stabilize failing system elements in your security infrastructure,

We provide an integration to relevant employee programs, such as:

- Contractor Management (time on site), (expiry links to contracts)
- Safety Certification verification
- Drug /Alcohol screening confirmation
- Mustering
- Remote verification

You don't need to make investments in software, infrastructure or training that are not required to meet your immediate objectives — without, in any way, limiting your ability to do so in the future, when your needs change.

### WE LEVERAGE IT TECHNOLOGY

We use existing networks and economically run IP networks wherever appropriate and can integrate a world of wireless sensors that are cost effective to install and open up new monitoring opportunities.

Our single integrated display results in more efficient use of security and security-related personnel throughout your organization.

There is no limit to the number of systems or the number of sites or the number of geographic locations that you can integrate.

### OUR SYSTEMS CAN BE UPGRADED REMOTELY

We provide redundant server solutions to ensure maximum reliability.

We integrate best in class video, operational and security subsystems.

### MAXXESS SYSTEMS GO BEYOND TRADITIONAL ENTERPRISE SECURITY.

We present instructions on how to handle an event, ensuring that your organization operates under the policies and procedures that you have defined for those events.

We allow for layered decision making in your enterprise which helps you integrate participation at all levels of the organization and provides a tremendous advantage for staff training.

We logically group major event information so that you can see the bigger picture in the context of both internal and external events.

- We alert you in a textual format describing the event.
- We alert you through a graphical floor plan that shows you where and what has happened.
- We display the video that is related to the event.
- We alert you to external events that may affect your operations.
- We combine all the event information and display it simultaneously.
- We provide a uniform way to report and capture exception events

**In summary, we allow you to see the bigger picture, make more informed decisions, respond quicker to events and be able to share critical information throughout your organization.**



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