



**ABS** Advanced Solutions

# CYBER SECURITY COMPLIANCE FOR U.S. PORT AND MARINE TERMINAL FACILITIES

## ABILITY TO ACHIEVE COMPLIANCE WITH COAST GUARD NVIC 05-17

We provide all of the necessary expertise and services to achieve compliance with the cyber security analysis practices and requirements detailed by the U.S. Coast Guard (USCG) in draft NVIC 05-17 and 33 CFR Part 105. This includes the integration of both physical security and cyber security into a single Facility Security Plan.

## INTIMATE KNOWLEDGE OF THE MARITIME TRANSPORTATION SECURITY ACT (MTSA)

Since the inception of MTSA in 2003, ABS has a proven track record of being an industry leader in the development and implementation of regulations for MTSA regulated facilities. Accomplishments to date include being the USCG's sole source provider for the Maritime Security Risk Analysis Model (MSRAM) and selection by the USG to perform a national study in maritime cyber vulnerabilities and potential consequences.



## SERVICES

ABS developed the industry's first risk-based management program for asset owners to apply best practice approaches in IT/OT. We provide the only integrated suite to cover systems, assets and facilities. Our cybersecurity products for U.S. ports and marine terminal facilities include:

### ASSESSMENTS:

- In depth Facility Security Assessment of existing IT and OT systems including network mapping, identification of critical connections within the network, and recommendations to harden network systems.

### FACILITY PLAN DEVELOPMENT:

- Development and integration of written cybersecurity analysis and risk mitigation into the facility's USCG approved Facility Security Plan.

### CONSULTING:

- Consultation for implementation and integration of identified risk mitigation and system hardening recommendations.

### TRAINING:

- Cybersecurity training for facility personnel including Facility Security Officers.

### GRANT SUPPORT:

- Assistance in the development of FEMA Port Security Grant applications.

## MARITIME CYBER SECURITY RESEARCH LEADERSHIP

We have developed an extensive five-volume cyber guidance series to assist our maritime clients in implementing robust cyber security programs consistent with the NIST framework and other international standards.

## TRUSTED, INDEPENDENT THIRD-PARTY ADVISORS

Established in 1862, we have long been an international leader in risk management services. We do not sell hardware, software or cyber security monitoring services; so, we can be truly independent advisors to help our clients pursue the best solution to achieve their objectives.



ABS awarded research contract by the Maritime Security Center (MSC) to lead industry partnership to determine direction of cyber security in maritime industry.

“This research project will support the missions of the DHS Center of Excellence and the U.S. Coast Guard to address these concerns and vulnerabilities and will identify policies and risk management strategies to bolster the cyber security posture of the MTS enterprise.”

**DR. HADY SALLOUM**  
DIRECTOR OF MSC



## WHY ADVANCED SOLUTIONS?

### MAJOR INDUSTRY RECOGNIZED CERTIFICATIONS:

PE (CONTROL SYSTEMS), CISSP, GICSP, CISA, CCNA, CCNP, SOFTWARE QUALITY CONTROL, PMP, ICS-CERT

**200+** YEARS OF CUMULATIVE CYBER EXPERIENCE IN MARINE APPLICATION

### CYBER AND PHYSICAL SECURITY ASSESSMENT OF

**30+** TYPES OF FACILITIES AND MARINE ASSETS

FOR VARIOUS OWNERS

- OPERATIONAL TECHNOLOGY
- INFORMATION TECHNOLOGY
- PHYSICAL SECURITY



#### WORLD HEADQUARTERS

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