Cyber Risk Management In Port

Maritime Cybersecurity Dialogue

2022

Anatomy of a Port Ecosystem

With complex interactions & port users

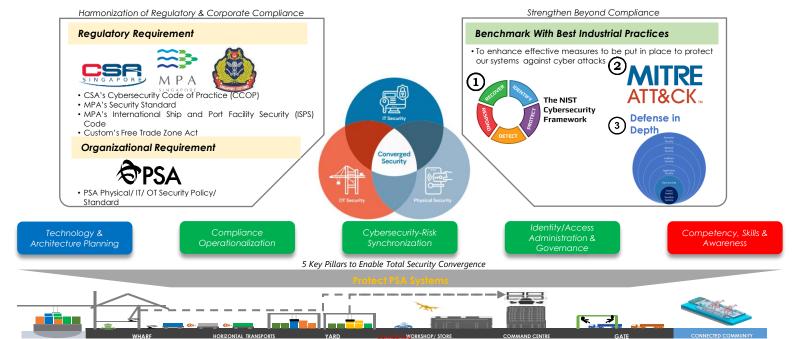


Are technological advancement & port users posing cyber risks to port ecosystem?



Total Security Convergence: A Cyber Risk Management Approach

To strengthen competitive edge and ensure resiliency



5 Key Pillars to Enable Total Security Convergence

To elevate cybersecurity posture



Technology & Architecture Planning

Compliance Operationalization

Cybersecurity-Risk Synchronization

Identity/Access Administration & Governance

Competency, Skills & Awareness

- o Maintain **technical oversight** of IT, OT & Physical Security development roadmaps
- o Planning & co-ordination of technology solutions towards seeking out synergies from convergence
- Lead and propose recommendations on technical architecture with integrated security considerations
- Coordinate & streamline implementation approach on IT, OT & Physical security operational processes towards ensuring sustainable compliance to required standards
- o Lead and coordinate assessment of operational feasibility/implications for compliance
- Identify & propose opportunities for consolidation of compliance operationalization efforts
- Establish broad based principles to guide the alignment of IT, OT & Physical security governance towards regulatory and/or Group policies & standards
- o Identify & facilitate resolution of ambiguities/discrepancies at/between *TSS & RM/BCM
- Alian & harmonize against PSA Group Risk Management standards
- Synergize & integrate identity/access administration workflows & processes into overall organizational business processes and workflows
- Identify and propose areas for streamlining & simplification of identity/access administration
- Lead formulation of standards & guidelines on identity/access admin for IT, OT & Physical Security
- Identify & plan competency development on converged outcomes aligned with current competency/skills development roadmaps for IT, OT & Physical security practitioners
- Plan & coordinate regular education, awareness & outreach activities for internal stakeholders

Towards A Safe & Secured Tomorrow

Collective Approach Partnering Key Stakeholders

Partners / Customers



Regulators / Agencies









Solution / Service Providers



PSA Group

