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IMPLEMENTING THE ISPS CODE: APEC USE OF FINANCIAL SERVICES CLEARINGHOUSE MODEL TO PROMOTE SUPPLY CHAIN VISIBILITY AND CONTAINER SECURITY

Submitted By: Chile



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Assumptions

Trade <u>facilitation</u> and <u>security</u> are not mutually exclusive goals,

Governments find it difficult to pay for improved security,

 Governments can foster private sector investment in both global trade facilitation and security programs,

 Private sector investment in global supply chain visibility could ease security investment requirements for ISPS Code implementation



Historical Precedents

New York Stock Exchange

- Crippled by volume in the 1960s at 6 or 7 million trades
- Diverse business interests could not agree to follow standard practices or share data
- Forward-looking thinkers started an automation "club" with business rules
- Daily trading volume now at 1.5 billion

Credit and Debit Card Associations

- Supports linked ATMs and Point-of-Sale
- Same structural principles as automated stock exchange



A Clearinghouse Business Model:



Commercial Sector

Governance & Operating Rules



- GCIC Members
- Assured compilance with operating rules
- Access to GC IC serulces and products
- Syndicated and allocated risk
- Transaction archituing and storage
- Consolidated noice to
 Government



GCIC LLC Operating Entity

Business entity owned by
Northrop Grumman and JP
Morgan Chase



GCIC Service Provider

- Tag sales, leasing and management
- Account management
- Transaction and payment processing
- Seruice delluery.



- Processes data relayed from tag letwork
- Prouides of Hite querying
- Generates reports
- Archibes data
- Maintains databases

Government.

Government System s and Programs



- Participates In MBA
- Processes cargo and transportation data from GCIC
- Forwards data to other Government Agencies
- Receives pattern analysis data from GCIC
- Reports to members through GCIC
- Processies and disseminates import/export regulatory data
- Forwards data to other Agencies.



Features of the Clearinghouse Model Applicable to Supply Chain Visibility & Cargo/Container Security

- An open consortium of qualified members,
- Creates operating rules that form a multi-party contract governing roles, responsibilities, warrants, and liabilities of all parties to a transaction,
- Utilizes/develops open technology standards,
- Defines/creates technology certification processes,
- Maintains a central data repository of transaction records



ISO Implementation Structure of the ISPS Code is by Nature, Fragmented

 ISPS code speaks to the container chain of custody as a continuity of activity, end-to-end

ISO standards are discrete and disconnected

 Private sector clearinghouse rules could provide the "glue" that transforms and harmonizes the ISO standards to meet the ISPS code



Implementers of the ISPS Code Have Diverse Business Interests

 Business-timely, visible, low cost cargo delivery, quick settlement, favorable insurance rates and risk mitigation

- Government-regulatory compliance, risk mitigation
- Supply Chain-competitive advantage, risk mitigation
- Clearinghouse can provide risk mitigation by analysis of pattern across entities



New Container Security Technology Needs to be Deployed

- "Smart" container regulations are on the horizon
- Deployment of smart technology will proceed more rapidly if open technology standards, business process rules and technology certification process were available globally
- Clearinghouse association rules form an umbrella for syndication of risk and investment that speeds technology deployment
- The alternative is a slowed market with proprietary systems



The Addressable Market for Supply Chain Visibility Could Finance Shared Technology Deployment

- Security improvements hurt the bottom line
- Incremental investments will be made in supply chain visibility for competitive advantage
- Visibility investments could finance the network infrastructure for smart containers – at a lower cost if pooled or synchronized



Legitimate Government information Needs and proprietary Trade Information Security Need to be Supported at the Same Time

- There is an unwillingness in the private sector to store transaction data in a central depository, where others, given access to the data, might gain competitive advantage
- For this reason, governments of trading partners involved in a clearinghouse need to participate when the operating rules are developed and updated



APEC Can Pilot a Clearinghouse in 2004

- Harmonizes ISO standards and provides more comprehensive security,
- Unifies diverse interests in the container chain of custody to produce standardized, timely, and accurate trade and security information,
- Lowers the risk for, and speeds, the deployment of new technologies,
- Provides a means of financing new supply chain technology infrastructure while mitigating costs of security investments,
- Safeguards competitive business data while making member approved appropriate risk management data and analyses available for legitimate government interests.

