Potential for Advanced Cargo Information (ACI) to enhance Air Cargo Security and Facilitation

Experience of the express delivery industry

ICAO/WCO Conference
Bahrain, April 2014
Advanced Cargo Information Principles:

Security: Secure supply chain

• Stop IED/IID’s moving by air
• Based on intelligence available to authorities only
• Economic risks (counterfeit, drugs) not targeted

Flow of legitimate trade maintained
ADVANCED CARGO INFORMATION (ACI) a key part of the ‘Layered’ Aviation Security approach

– Know Shippers
– Focus on High Risk
– Effective Screening
– Protection from unlawful interference
– Risk Assessment using Advanced Cargo Information (ACI)
BENEFITS – Enhanced security with facilitation

→ Aligned to the changes in threat level using latest “live” intelligence
→ Flexible/adaptable to difference risk conditions
→ Complements other layers in the process
→ Allows for referalls (reference shipping documentation or additional screening)
→ Only affects the supply chain when there is a credible “hit”
→ All other cargo unhindered flow
Process

CARRIER IT SYSTEM

TARGETING CENTER
Data received from shipper
7 data fields transmitted ‘raw’ (as is) to destination country authorities

CARRIER IT SYSTEM

TARGETING CENTER
7 raw data fields transmitted to destination country authorities

- HAWB #
- 1. SHIPPER NAME
- 2. SHIPPER ADDRESS
- 3. CONSIGNEE NAME
- 4. CONSIGNEE ADDRESS
- 5. GROSS WEIGHT
- 6. # OF PACKAGES
- 7. COMMODITY DESCRIPTION (NOT HS)

CARRIER IT SYSTEM

0101110101110110

TARGETING CENTER
Carrier processes shipper data. Authorities can access document images at carrier IT.
Carrier processes shipper data.
Authorities can access document images at carrier IT.
Authorities run security assessment

CARRIER IT SYSTEM

TARGETING CENTER

SHIPMENT KEEPS MOVING

0101110101110110

0101110101110110

0101110101110110

0101110101110110
Possible scenarios

CARRIER IT SYSTEM

TARGETING CENTER
Possible scenarios: No threat

SHIPMENT KEEPS MOVING

CARRIER IT SYSTEM

TARGETING CENTER

NO MESSAGE
Possible scenarios: Insufficient/Invalid data

SHIPMENT KEEPS MOVING

CARRIER IT SYSTEM

TARGETING CENTER

0101110101110110
Possible scenarios: Screen Shipment (Shipment already screened before request)
Possible scenarios: Screen Shipment (2)

SHIPMENT MOVES TO FACILITY W. ADEQUATE SCREENING

SCREEN SHIPMENT INSTRUCTION

REASONS FOR DOUBT RE SHIPMENT

CARRIER IT SYSTEM

TARGETING CENTER
Possible scenarios: **DO NOT LOAD**

**MAXIMUM CERTAINTY ABOUT IED PRESENCE**
US ACAS statistics (Feb 2014)

- 127 M consignments submitted
- Additional data: 1.16%
- Do Not Load: 0
Challenges

1. Data Availability/Quality

- Data as soon as possible
- Following a standard (7+1)
- Raw data is best for security risk assessment (direct from the shipper)
Challenges

2. Need for a common approach from Appropriate Authorities
   • Mutual recognition of
     - Security programs (screening)
     - Risk assessment process
   • Avoid duplication
     - Risk assessment/Screening
   • Account of different Supply Chain models
Challenges

3. IT infrastructure

• IT structure is a prerequisite
• Use customs network where possible
• With a single risk assessment
Challenges

4. Global, standardized security measures and handling and communication protocols

- Single Global communications program
- Only when action is required by the Air Carrier
- Structured referral approach
- Standard approach on DNL
Success based on Joint development
Benefit

ACI - an effective Security layer in a “mature” Aviation Security environment where:

• An IT infrastructure is in place
• “Intelligence” gathering/analytics is evolved
• Quick risk assessment can take place
• A two way communication protocol can be established
Thank you