

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

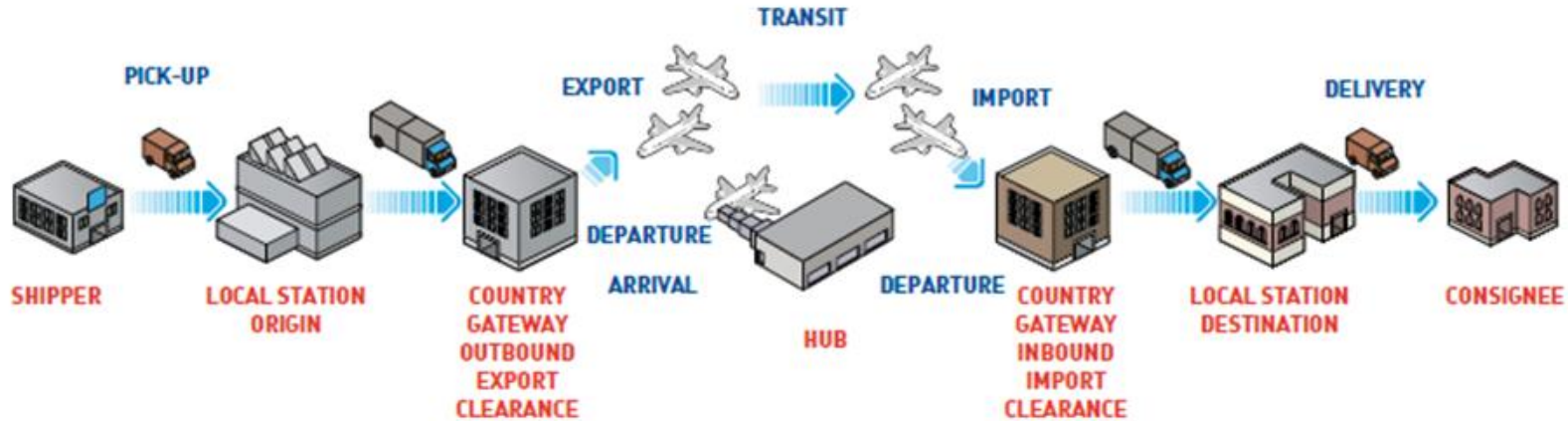
ADVANCED CARGO INFORMATION (ACI) a key part of the 'Layered' Aviation Security approach

- 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

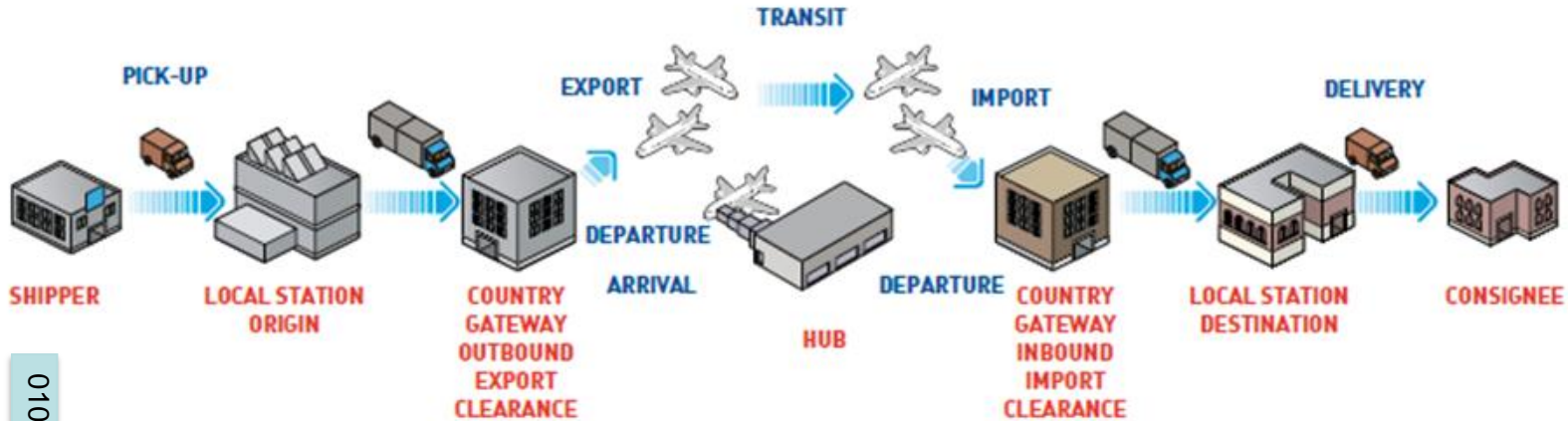


CARRIER IT SYSTEM



TARGETING CENTER

Data received from shipper



0101110101110110
01101101
1



CARRIER IT SYSTEM

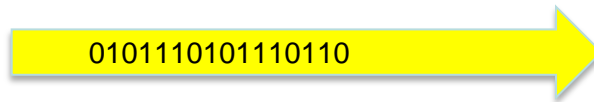


TARGETING CENTER

7 data fields transmitted 'raw' (as is) to destination country authorities

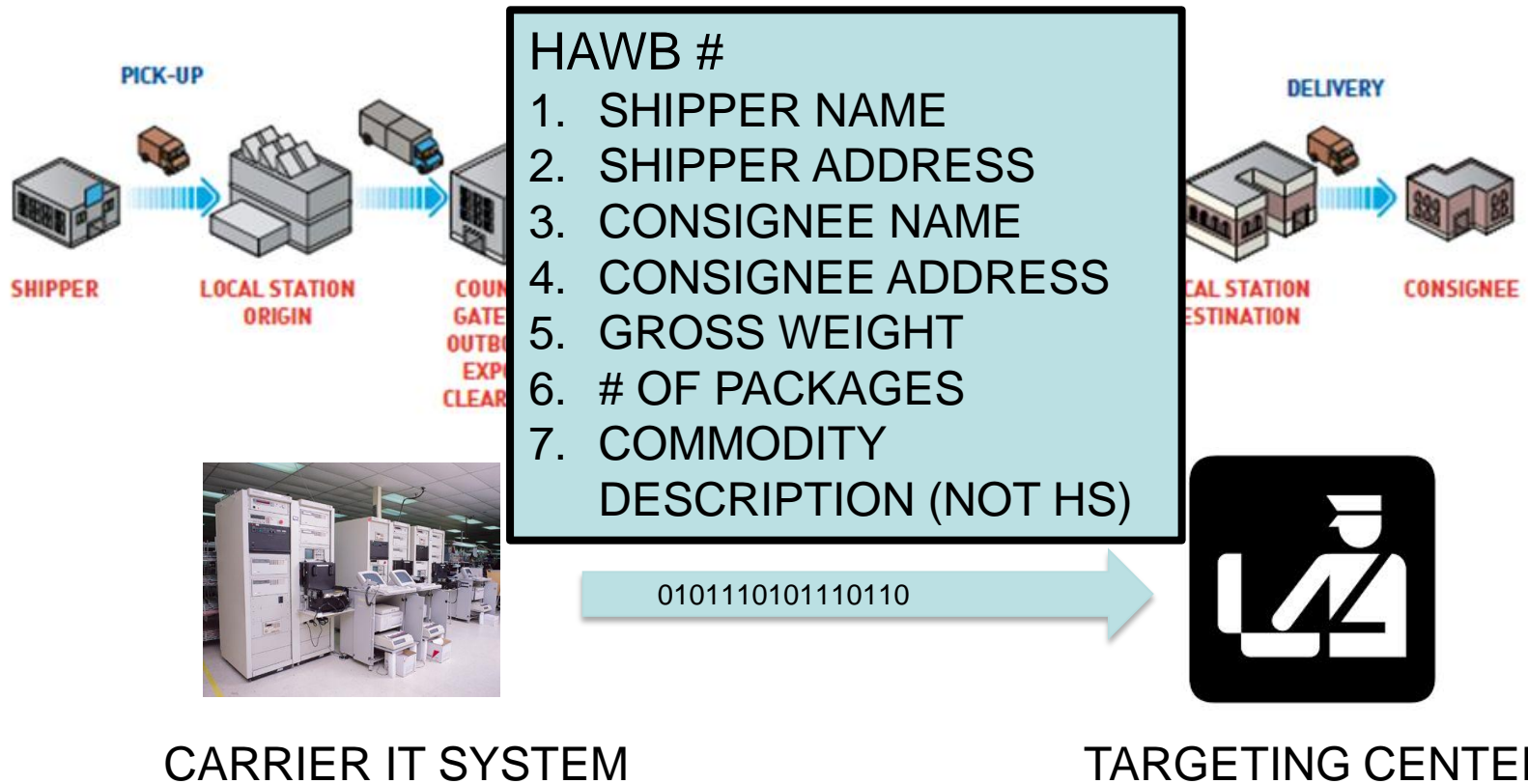


CARRIER IT SYSTEM

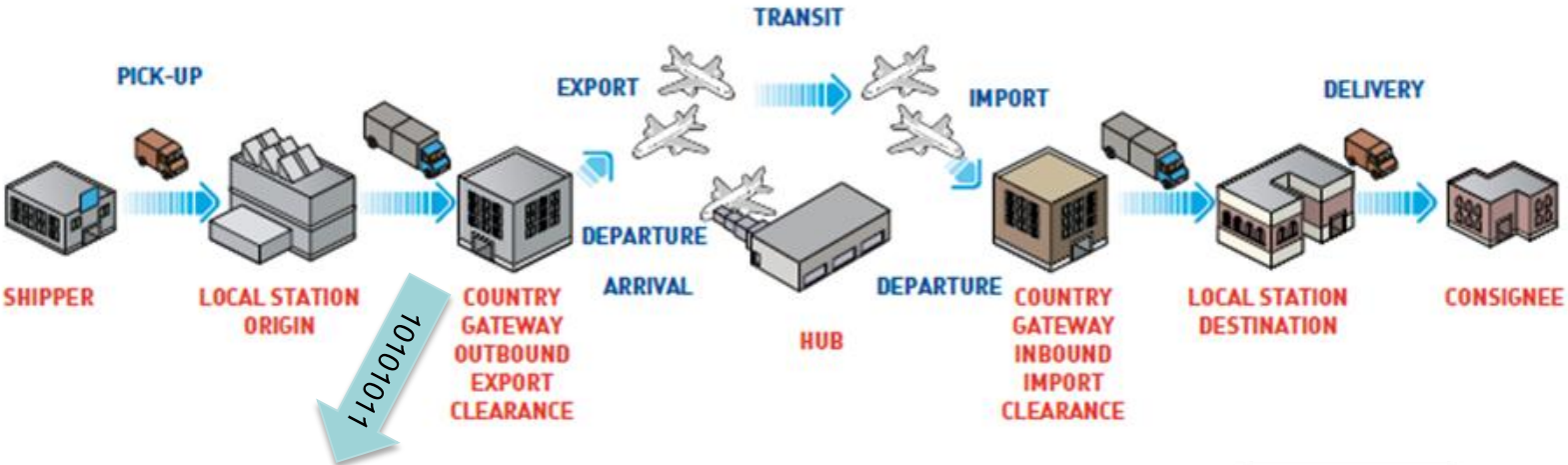


TARGETING CENTER

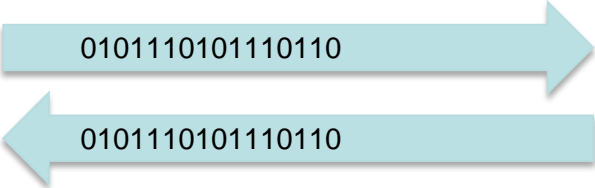
7 raw data fields transmitted to destination country authorities



**Carrier processes shipper data.
 Authorities can access document images at carrier IT.**



CARRIER IT SYSTEM



TARGETING CENTER

Carrier processes shipper data. Authorities can access document images at carrier IT.

Skymax
Cropscience Ltd.

Invoice

Exporter/Seller: Skymax Cropscience Limited B-206 Shapath-4, Opp. Karnavati Club, S. G. Highway, Ahmedabad-380015 (Gujarat-India) Tel No.: +91 79 26937586		Importer/Buyer: Mr. Pablo Gamez Anaya 204 South, 4th Street, Suite 1137, McAllen (Texas-USA) - Zip Code - 78501 Tele. 001 (850) 630 01 00 E-mail: jorgegarcialeon25@gmail.com jorge_atn@hotmail.com	
Invoice No.: 1213FS010	Date: 07/06/2013		
Packing List No.: PKGF6010	Date: 07/06/2013		
Ref. Performa No.: MAIL	Date: 01/06/2013		
Country of Origin: India	IEC No.: 0611003612		
Port of Loading: Ahmedabad	Port of Discharge: McAllen(Texas-USA)		
Total Package: 1 Nos	Weight: Net 11 Kg, Gross 12 Kg.		
AWB No. & Date:	Carrier: United Parcel Service		

Sr. No.	Product Description	B. No.	Total Unit	Rate in \$	Amount in \$
1	AXELLE (ORGANIC FERTILIZER)	M-201	5 Lit	1.00	5.00
2	RYDER (ORGANIC FERTILIZER)	N-197	5 Lit	1.00	5.00
Total Value in Dollar					10.00
Freight Charges in Dollar					0.00
Total in Dollar					10.00

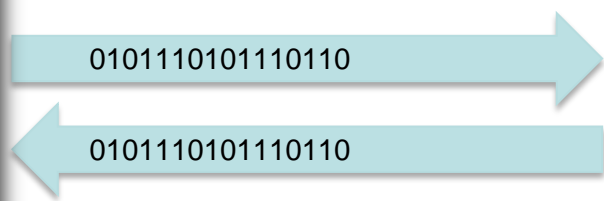
Amount in words: Ten Dollar Only.

Under DEPB Post Export Scheme
N.A.

We Herby declare that this Invoice shows the actual price of discribed goods and that all particulars are true and correct.

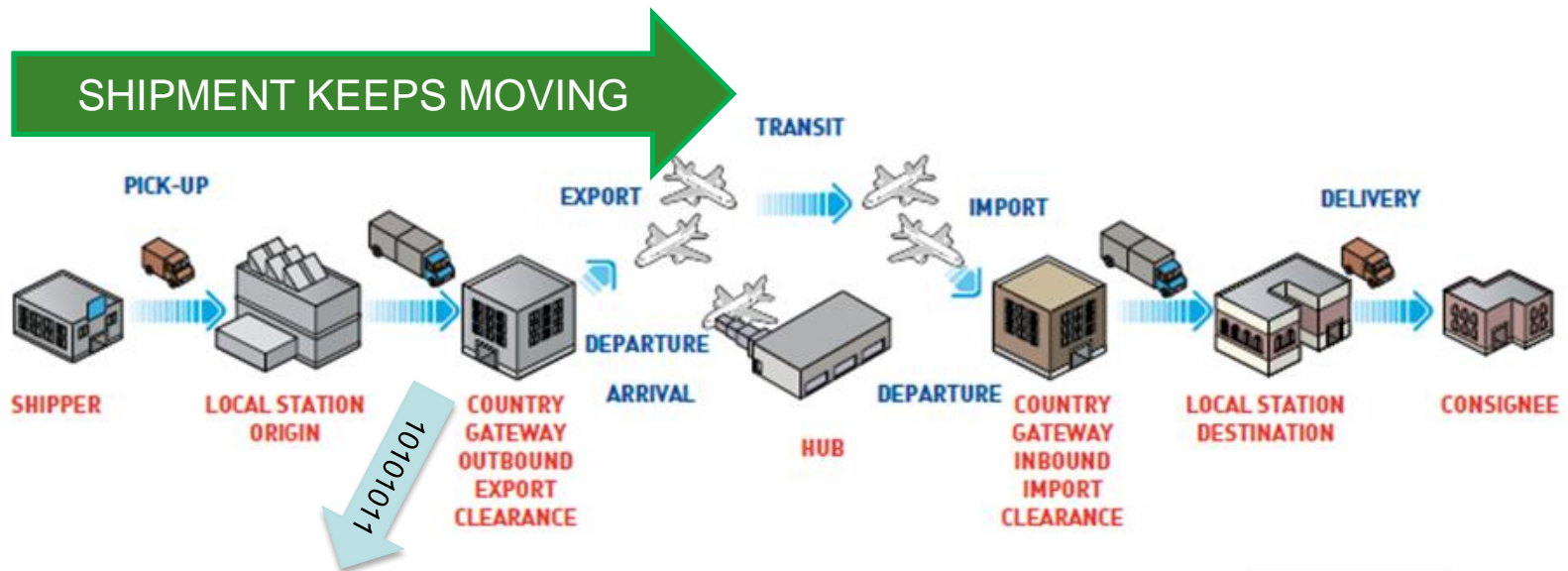
Authorized Signat-ry

B-206, Shapath-4, Opp: Karnavati Club, S.G.Highway, Ahmedabad-380015 (Gujarat-India)
 Phone: 0091 79 26937586, E-mail: crop@skymaxcropscience.com Web site: www.skymaxcropscience.com

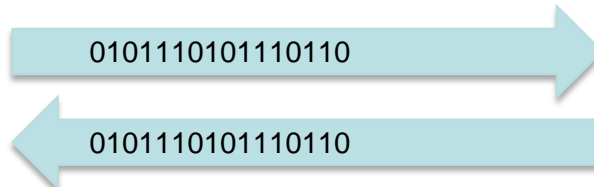


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Authorities run security assessment

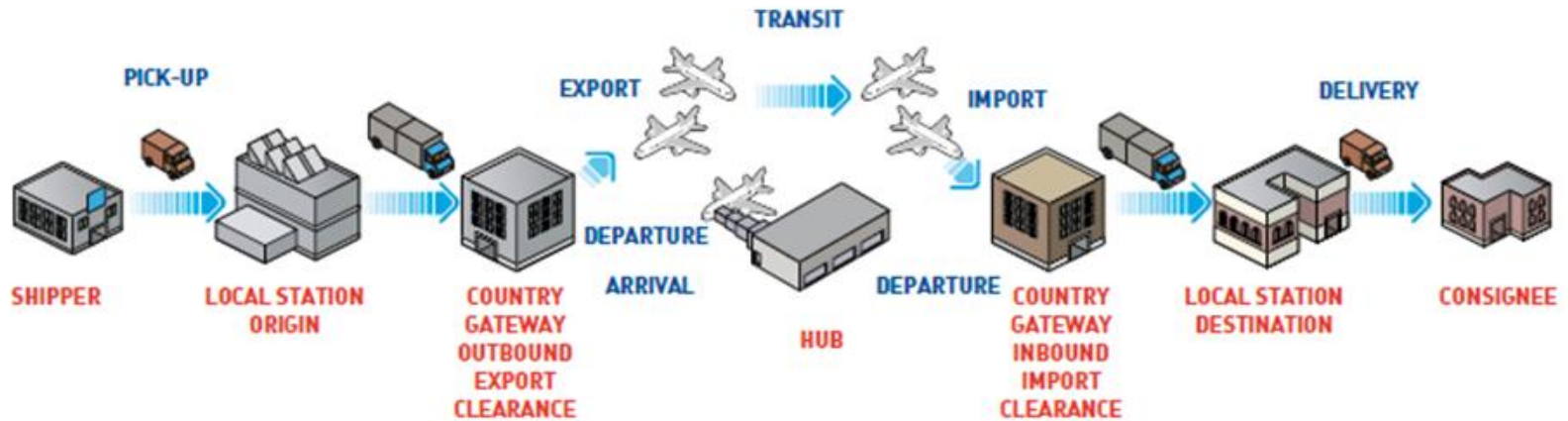


CARRIER IT SYSTEM



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Possible scenarios

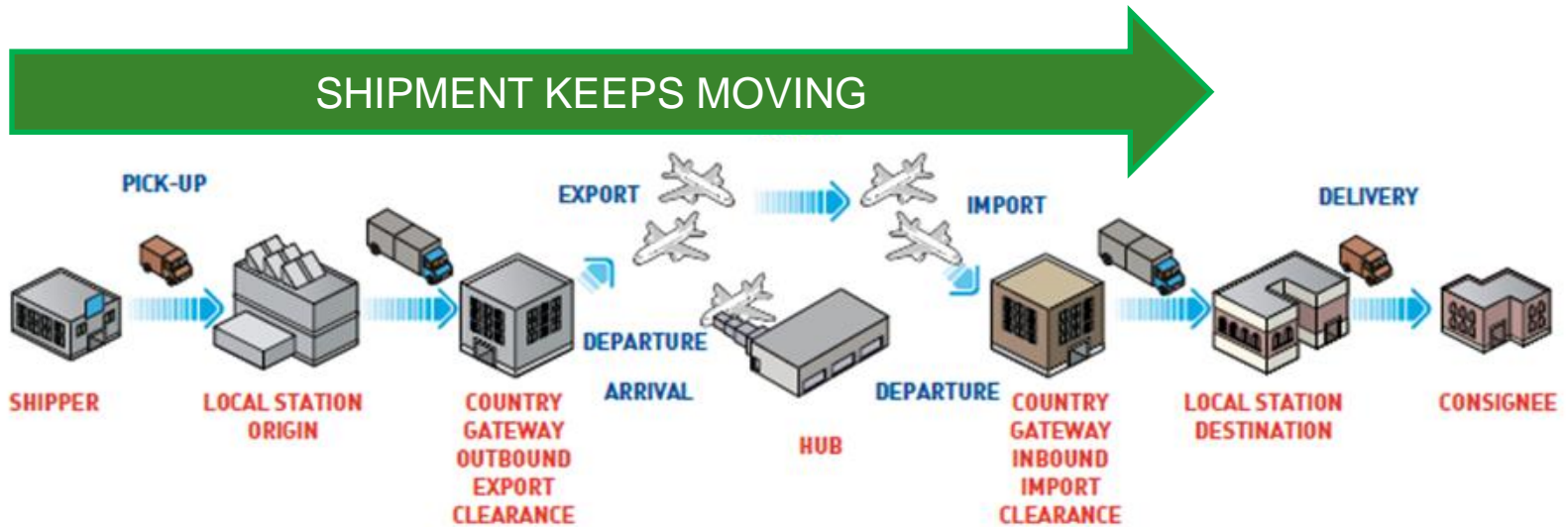


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Possible scenarios: No threat



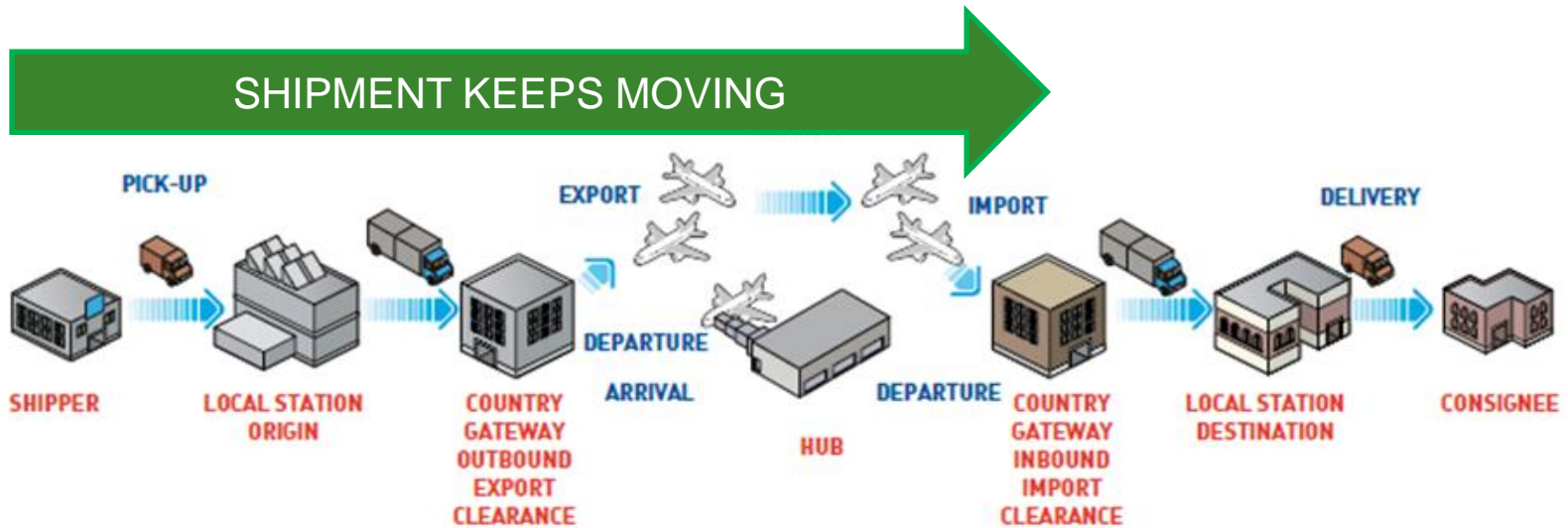
CARRIER IT SYSTEM

NO MESSAGE

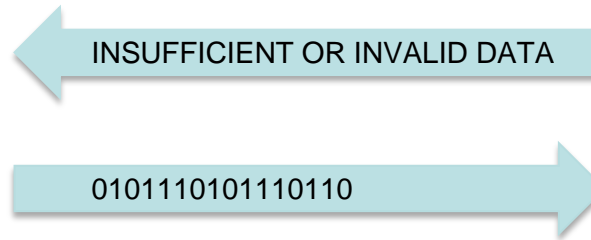


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Possible scenarios: Insufficient/Invalid data

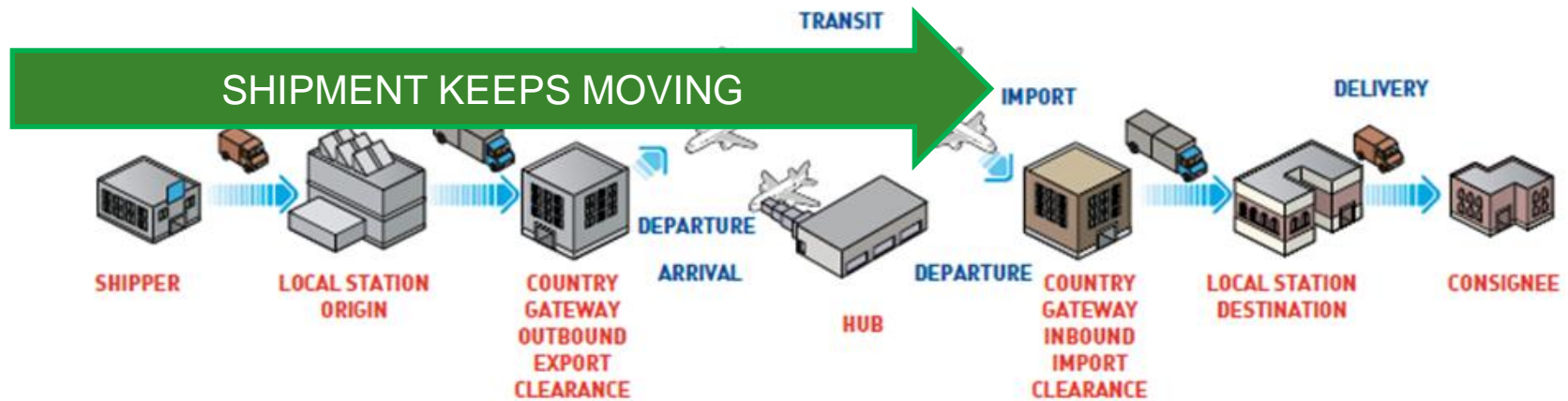


CARRIER IT SYSTEM

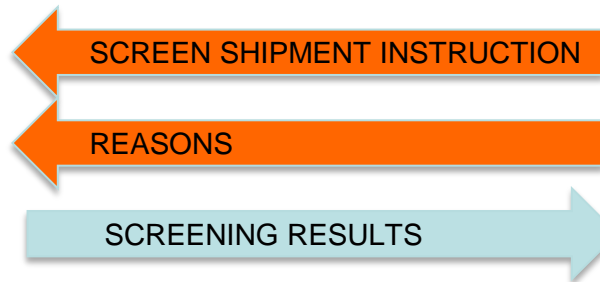


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Possible scenarios: Screen Shipment (Shipment already screened before request)

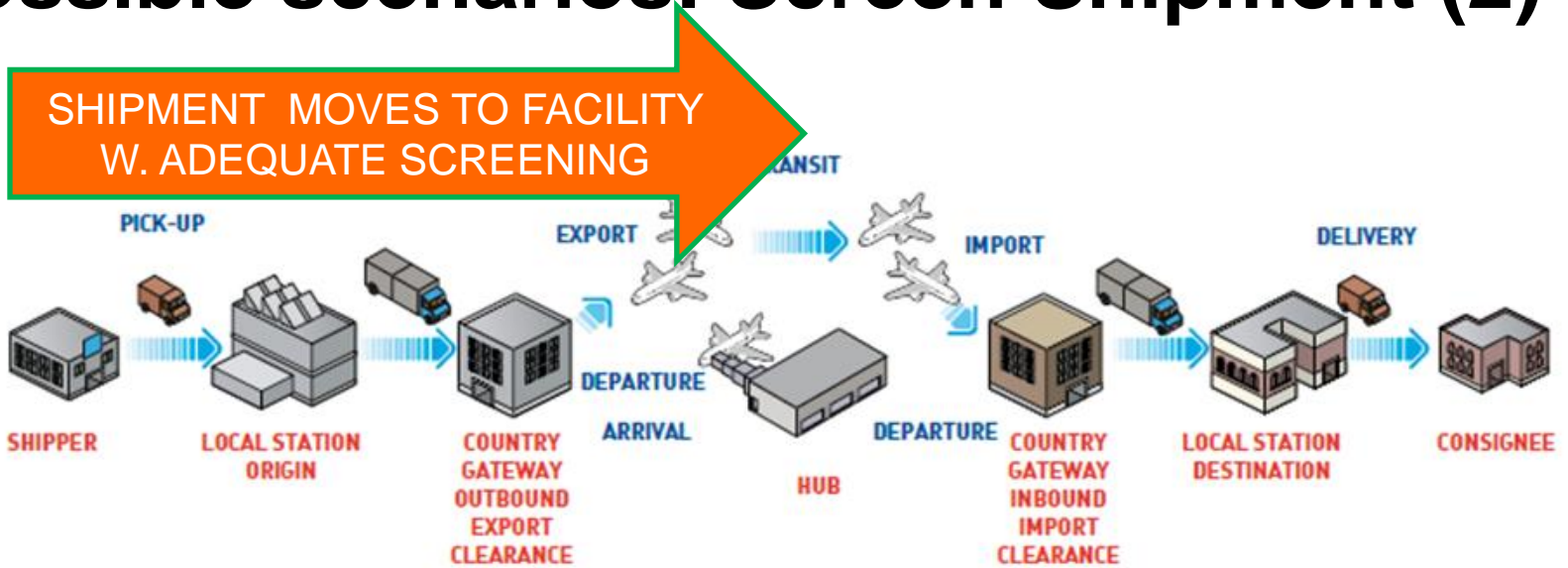


CARRIER IT SYSTEM

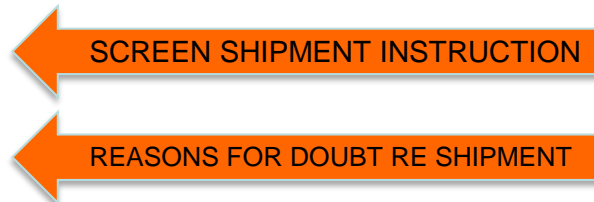


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Possible scenarios: Screen Shipment (2)



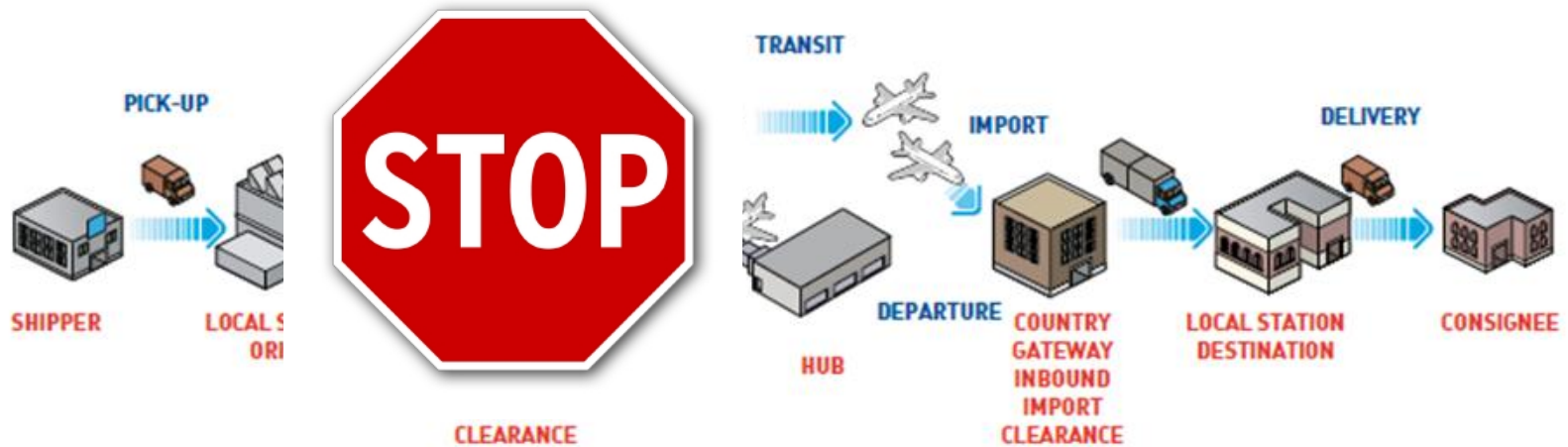
CARRIER IT SYSTEM



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Possible scenarios: **DO NOT LOAD**

MAXIMUM CERTAINTY ABOUT IED PRESENCE



CARRIER IT SYSTEM

DO NOT LOAD



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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

