



*Compliance   Airworthiness   Regulations   Education*





*Compliance Airworthiness Regulations Education*

## **29<sup>TH</sup> ULD CARE ANNUAL CONFERENCE**

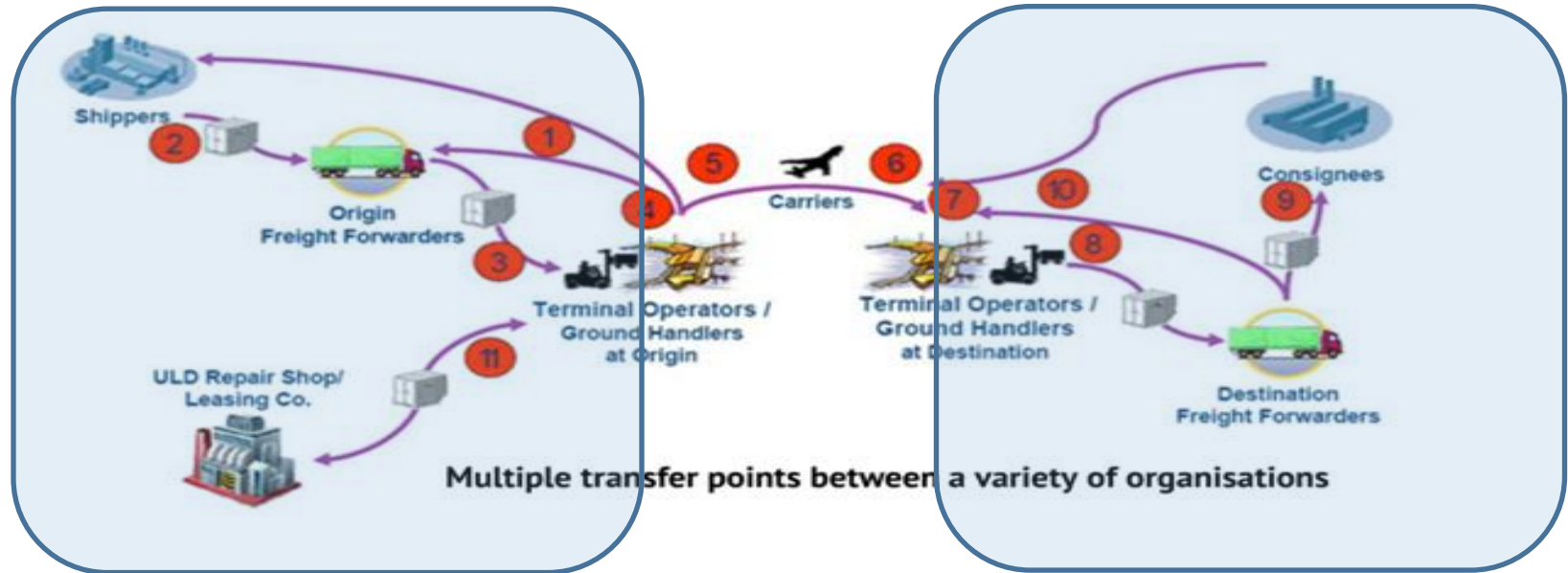
**LOS ANGELES, CALIFORNIA**

**AUGUST 29 – SEPTEMBER 1, 2016**

**Introduction to Workshop #1  
ULD Transfer**



# ULD Transfer in Aviation Logistics Chain



CHEP: Between 8-12% of inventory is off airport at any time with limited visibility

# STAGE 1 – Consolidate and Improve Current Process

ULD  
Control  
Manual



+

AHM  
422



+

CSC  
Resolutions  
Manual



ULD CONTROL RECEIPT

dnata

CONTROL RECEIPT No. 016406

ATA ID CODE

Condition Code Key

Serviceable

Incumbent/Carriage

DATE

ULD CONTROL RECEIPT

ATA ID CODE

Condition Code Key

Serviceable

Incumbent/Carriage

DATE

ULD control receipt

virgin atlantic cargo

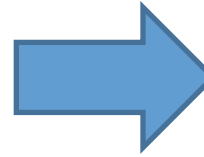
ATA ID CODE

Condition Code Key

Serviceable

Incumbent/Carriage

DATE



ULD CONTROL RECEIPT

IATA

Control Receipt No.

ATA ID CODE

Condition Code Key

Serviceable

Incumbent/Carriage

DATE

ATA ID CODE	Condition Code Key	Serviceable	Incumbent/Carriage	DATE
1				
2				
3				
4				
5				
6				
7				
8				
9				
0				

Additional Information

ATA ID CODE

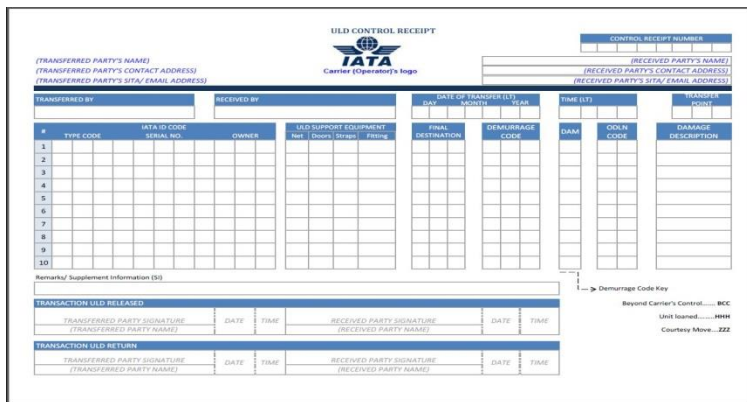
Condition Code Key

Serviceable

Incumbent/Carriage

DATE

# Current Status – Improved but still limitations



The image shows a detailed IATA ULD Control Receipt form. It includes fields for the transferred party's name, contact address, and email. It also has a section for the control receipt number and a table for recording ULD transactions. The table has columns for item number, type code, serial number, owner, ULD support equipment (Net, Doors, Straps, Strong), final destination, demurrage code, date, time, and damage description. There are also sections for remarks, transaction ULD released, and transaction ULD returned, each with fields for signatures, dates, and times.

1. UCR Form  
paper based distribution through  
logistics chain

2. LUC Message  
ULD Exchange Control Message

Example of an LUC message for a transfer between participants.

```
QIFFMGF
.HKGFFGF
LUC
AKE2800GF/15FEB2000/1000/BA/GF/HKG/072-00012345/LHR/SER
AW23590GF/15FEB2000/1000/BA/GF/HKG/072-10012345/JFK/SER
PAG5499GF/15FEB2000/1000/BA/GF/HKG/072-20012345/LHR/SER
```

# LUC Limitations

**ULD CONTROL RECEIPT**

**ORIGINATOR**  
Cathay Pacific Limited  
Cathay City, Hongkong International Airport, Chek Lap Kok, Hongkong  
EMAIL: ops\_service@cpsi.com.hk

**CATHAY PACIFIC**

**LUG Air cargo Handling**  
Building 537 Cargo City South Frankfurt Airport Germany  
EMAIL: L-ULD@LUG-FRA.DE

**CONTROL RECEIPT NUMBER**  
1 6 0 - 2 9 0 5 0 3 0 0

**TRANSFERRED BY**  
CX

**RECEIVED BY**  
LUGAIR

**DATE OF TRANSFER (LT)**  
DAY: 22 MONTH: A YEAR: 16

**TIME (LT)**  
1 5 0 0

**TRANSFER POINT**  
F R A

#	TYPE CODE	ATA10 CODE	UNIT NO.	OWNER	Net	Straps	Fixing	FINAL DESTINATION	DEMURRAGE CODE	DAM CODE	DDLN CODE	DAMAGE DESCRIPTION
1	P	M	C	33177R7	1	-	-	MUC		DA	S	Sems cut on the top
2	P	M	C	37285R7	1	-	-	MUC				
3	P	M	C	39470R7	1	-	-	MUC				
4												
5												
6												
7												
8												
9												
10												

**Remarks**  
Damaged pallet will be moved to repair shop

**Signature**  
Annie Wan (Annie Wan)  
22-Aug-16 1500  
Noe Buddy (Noe Buddy)  
22-Aug-16 1500

**LIABILITY FOR LOSS OR DAMAGE**  
Parties shall ensure that the unit load device (ULD) is handled in accordance with IATA ULD Regulations (ULDR) carrier's instructional owner's instructions. The use of a ULD is subject to provisions in applicable tariffs in effect as of the date hereof including provisions which are filed in accordance with the law. In particular, the Recipient shall be liable for damage to the ULD caused by the use of the ULD by the PARTY IN POSSESSION OF THE ULD SHALL ASSUME FULL RESPONSIBILITY OF THE ULD

LUC

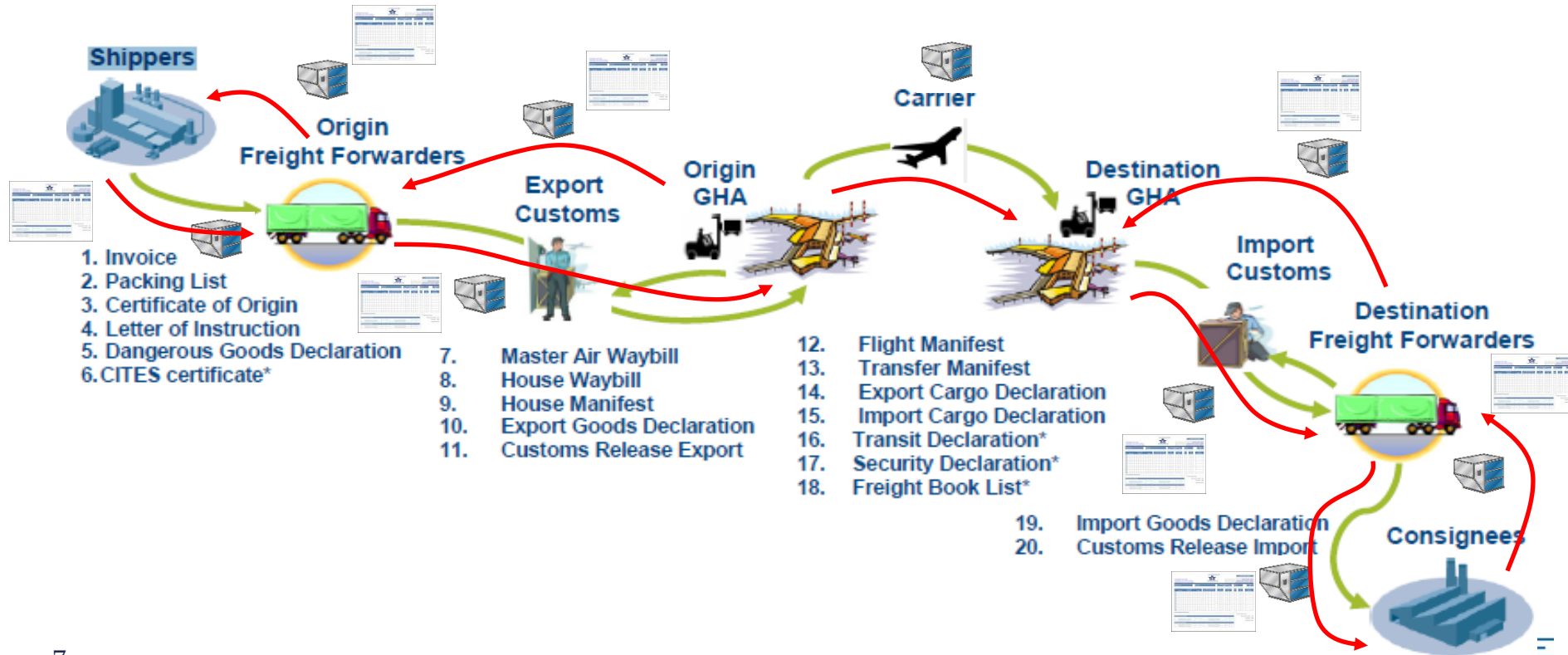
.PMC33177R7/22AUG16/1500/Y/LUGAIR/CX/FRA/160-29050300/MUC/DAM

.PMC37285R7/22AUG16/1500/Y/LUGAIR/CX/FRA/160-29050300/MUC/SER

.PMC39470R7/22AUG16/1500/Y/LUGAIR/CX/FRA/160-29050300/MUC/SER

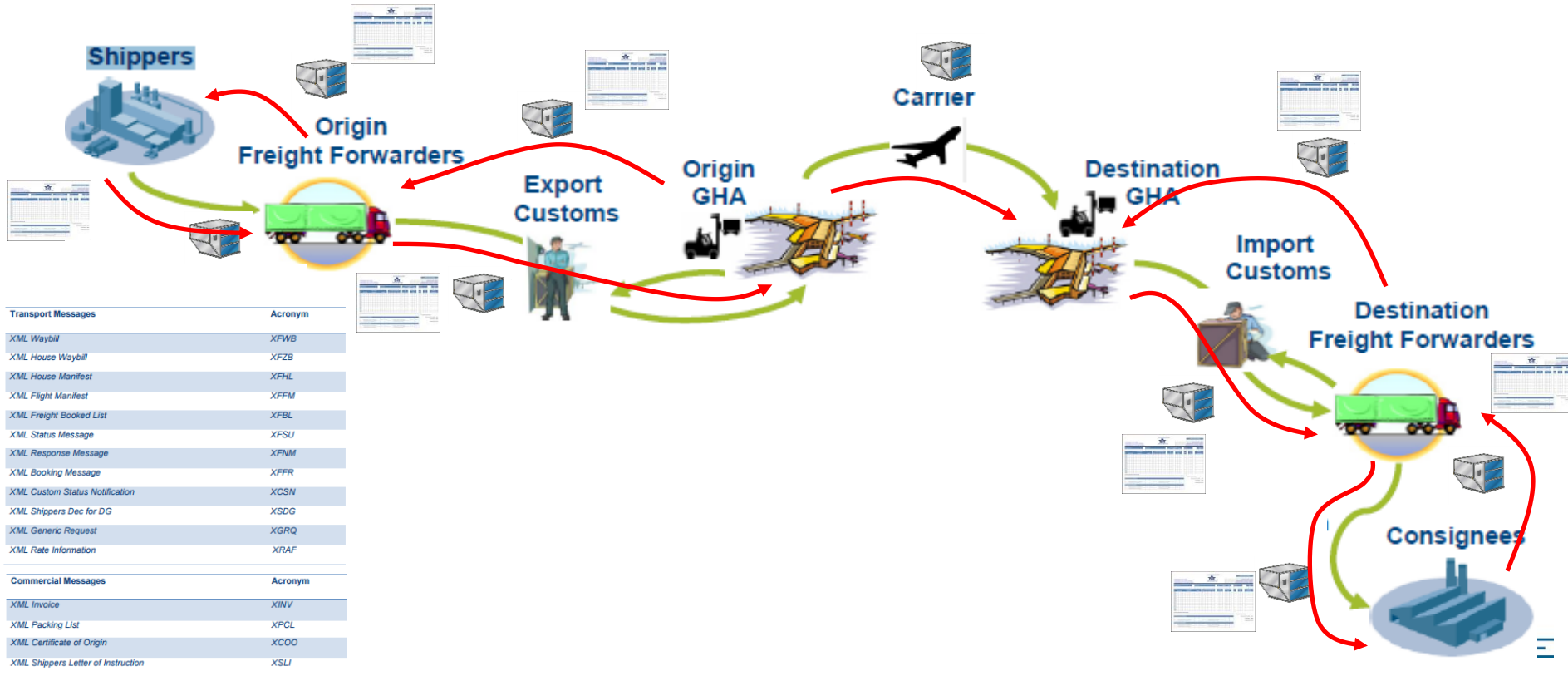
SI DAMAGED PALLET WILL BE MOVED TO REPAIR SHOP

# STAGE 2 – eUCR



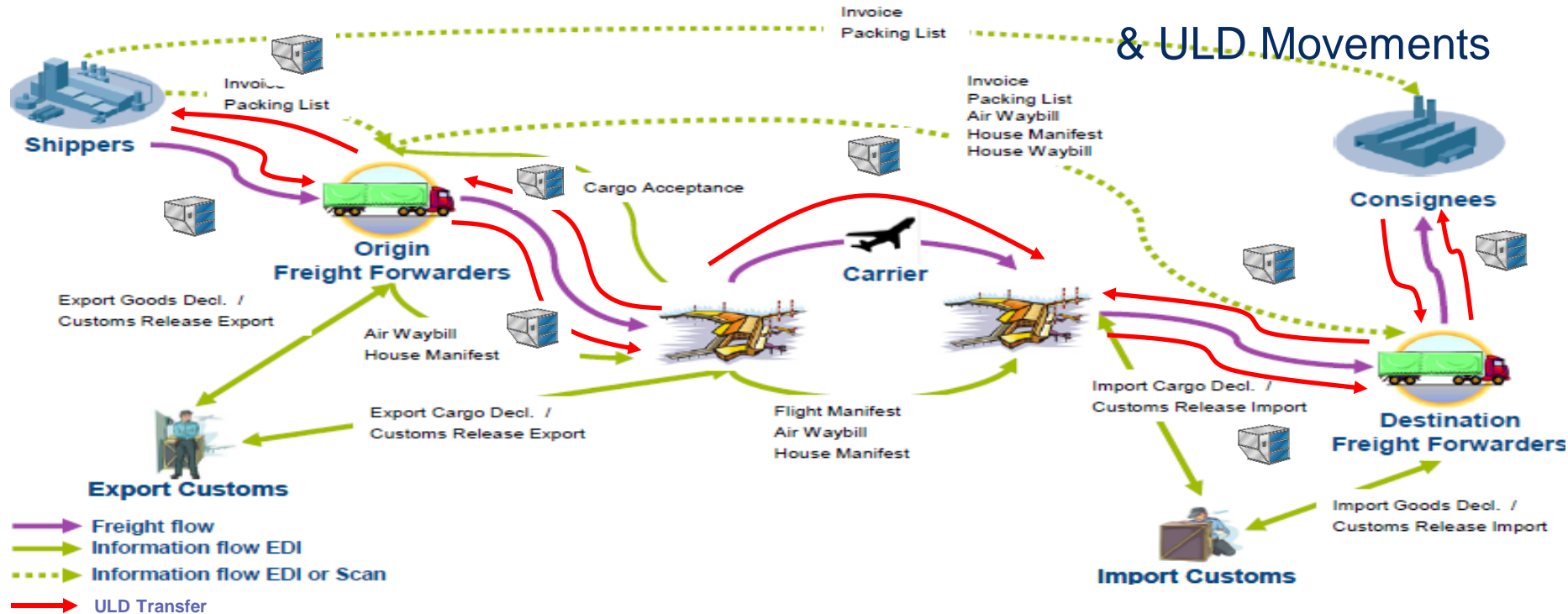


# STAGE 2 eUCR and eFreight





# e-freight end-to-end data flow for General Cargo



# Available information from UCR in XML

ULD CONTROL RECEIPT			
ORIGINATOR		CONTROL RECEIPT NUMBER	
Cathay Pacific Limited		1 6 0 - 2 9 0 5 0 3 0 0	
Cathay City, Hongkong International Airport, Chek Lap Kok, Hongkong		LUG Aircargo Handling	
EMAIL: ops_service@cpsi.com.hk		Building 537 Cargo City South Frankfurt Airport Germany	
TRANSFERRED BY		EMAIL: L-ULD@LUG-FRA.DE	
CX	RECEIVED BY	DATE OF TRANSFER (LT)	TIME (LT)
	LUGAIR	DAY MONTH YEAR	1 5 0 0
		2 2 A U G 1 6	
			TRANSFER POINT
			F R A

```

<ucr>
  <header>
    <uld-control-receipt-number>160-29050300</uld-control-receipt-number>
    <transfer-date-time>22AUG16/1500</transfer-date-time>
    <transfer-location-code>FRA</transfer-location-code>
    <transfer-location-name></transfer-location-name>
  </header>
  <transferring-party>
    <party-type-code>
    <transferring-party-name>
    <transferring-party-address>
      <transferring-party-name>Cathay Pacific Limited</transferring-party-name>
      <street-details>
        <po-box></po-box>
        <street>Cathay City Hongkong International Airport Chek Lap Kok</street>
      </street-details>
      <department></department>
      <zip-code></zip-code>
      <region-code></region-code>
      <region-name></region-name>
      <city-code>HKG</city-code>
      <city-name>Hongkong</city-name>
      <country-code>HK</country-code>
      <country-name>Hongkong</country-name>
    </transferring-party-name-address>
    <transferring-party-contact>
      <transferring-party-contact-name></transferring-party-contact-name>
      <phone-number>8522699150</phone-number>
      <fax-number></fax-number>
      <email-address>ops_service@cpsi.com.hk</email-address>
      <telex>HKGFXCX</telex>
    </transferring-party-contact>
  </transferring-party>
  <receiving-party>
    <party-type-code>FW</party-type-code>
    <receiving-party-account-number>LUGAIR</receiving-party-account-number>
    <receiving-party-internal-id></receiving-party-internal-id>
    <agency-code></agency-code>
    <receiving-party-standard-id></receiving-party-standard-id>
    <receiving-party-code></receiving-party-code>
    <receiving-party-name>
      <receiving-party-name>LUG Aircargo Handling</receiving-party-name>
      <street-details>
        <po-box>537</po-box>
        <street>Cargo City South Frankfurt Airport</street>
      </street-details>
      <department></department>
      <zip-code>60549</zip-code>
      <region-code></region-code>
      <region-name></region-name>
      <city-code>FRA</city-code>
      <city-name>Frankfurt</city-name>
      <country-code>DE</country-code>
      <country-name>Germany</country-name>
    </receiving-party-name-address>
    <receiving-party-contact>
      <receiving-party-contact-name></receiving-party-contact-name>
      <phone-number>496969819500</phone-number>
      <fax-number></fax-number>
      <email-address>l-uld@lug-fra.de</email-address>
      <telex></telex>
    </receiving-party-contact>
  </receiving-party>

```

# Available information from UCR in XML

#	IATA ID CODE										ULD SUPPORT EQUIPMENT				FINAL DESTINATION			DEMURRAGE CODE		DAM		ODLN CODE		DAMAGE DESCRIPTION	
	TYPE CODE			SERIAL NO.				OWNER			Net	Doors	Straps	Fitting											
1	P	M	C	3	3	1	7	7	R	7	1	-	-	M	U	C			✓		S	B	5cms cut on the base		
2	P	M	C	3	7	2	8	5	R	7	1	-	-	M	U	C									
3	P	M	C	3	9	4	7	0	R	7	1	-	-	M	U	C									
4																									

```

<uld>
  <type>PMC</type>
  <nbr>33177</nbr>
  <owner>R7</owner>
  <origin-destination>
    <origin-location-code>FRA</origin-location-code>
    <origin-location-name></origin-location-name>
    <destination-location-code>MUC</destination-location-code>
    <destination-location-name></destination-location-name>
  </origin-destination>
  <loaded-flag>True</loaded-flag>
  <uld-weight></uld-weight>
  <uld-pieces></uld-pieces>
  <waybill-segment>
    <waybill-number></waybill-number>
    <origin-location-code></origin-location-code>
    <origin-location-name></origin-location-name>
    <destination-location-code></destination-location-code>
    <destination-location-name></destination-location-name>
    <shipment-total-flag></shipment-total-flag>
    <pieces></pieces>
    <total-pieces></total-pieces>
    <weight-unit-of-measurement></weight-unit-of-measurement>
    <gross-weight></gross-weight>
    <shipper-load-and-count></shipper-load-and-count>
    <nature-of-goods></nature-of-goods>
  </waybill-segment>
  <uld-support-equipment>
    <nets>1</nets>
    <door></door>
    <strap></strap>
    <fitting></fitting>
  </uld-support-equipment>
  <demurrage-code></demurrage-code>
  <damage-flag>True</damage-flag>
  <serviceability-code>DAM</serviceability-code>
  <odln-code>SB</odln-code>
  <odln-description></odln-description>
  <damage-description>5cms cut on the base</damage-description>
</uld>

```

```

<uld>
  <type>PMC</type>
  <nbr>37289</nbr>
  <owner>R7</owner>
  <origin-destination>
    <origin-location-code>FRA</origin-location-code>
    <origin-location-name></origin-location-name>
    <destination-location-code>MUC</destination-location-code>
    <destination-location-name></destination-location-name>
  </origin-destination>
  <loaded-flag>True</loaded-flag>
  <uld-weight></uld-weight>
  <uld-pieces></uld-pieces>
  <waybill-segment>
    <waybill-number></waybill-number>
    <origin-location-code></origin-location-code>
    <origin-location-name></origin-location-name>
    <destination-location-code></destination-location-code>
    <destination-location-name></destination-location-name>
    <shipment-total-flag></shipment-total-flag>
    <pieces></pieces>
    <total-pieces></total-pieces>
    <weight-unit-of-measurement></weight-unit-of-measurement>
    <gross-weight></gross-weight>
    <shipper-load-and-count></shipper-load-and-count>
    <nature-of-goods></nature-of-goods>
  </waybill-segment>
  <uld-support-equipment>
    <nets>1</nets>
    <door></door>
    <strap></strap>
    <fitting></fitting>
  </uld-support-equipment>
  <demurrage-code></demurrage-code>
  <damage-flag>False</damage-flag>
  <serviceability-code>SER</serviceability-code>
  <odln-code></odln-code>
  <odln-description></odln-description>
  <damage-description></damage-description>
</uld>

```

Additional information provided in XML format

# Available information from UCR in XML

Remarks			
Damaged pallet will be moved to repair shop			
SIGNATURE			
 TRANSFERRING PARTY SIGNATURE (Annie Wan)	22-Aug-16	1500	 RECEIVING PARTY SIGNATURE (Noe Buddy)

**LIABILITY FOR LOSS OR DAMAGE**  
 Parties shall ensure that the unit load device (ULD) be handled in accordance with IATA ULD Regulations (ULDR)/ carrier's instructions/ owner's instructions. The use of a ULD is subject to provisions in applicable tariffs in effect as of the date hereof including provisions which are filed in accordance with the law. In particular, the Receiving Party shall be liable for demurrage if the ULD is held in excess of the time specified in the applicable tariff, THE PARTY IN POSSESSION OF THE ULD SHALL ASSUME FULL RESPONSIBILITY OF THE ULD OWNER FOR THE AIRWORTHINESS OF THE ULD

Demurrage Code Key  
 Beyond Carrier's Control..... BCC  
 Unit loaned..... HHH  
 Unit transferred empty..... XXX  
 Courtesy Move..... ZZZ

```

<summary>
  <numberoflines></numberoflines>
  <numberofulds>3</numberofulds>
  <numberofnets>3</numberofnets>
  <numberofdoors>0</numberofdoors>
  <numberofstraps>0</numberofstraps>
  <numberoffittings>0</numberoffittings>
  <numberofshipments>0</numberofshipments>
  <supplement-information>Damaged pallet will be moved to repair shop</supplement-information>
  <transferring-declaration-details>
    <transferring-name>Annie Wan</transferring-name>
    <declared-date-time>22AUG16/1500</declared-date-time>
    <declaration-signature></declaration-signature>
  </transferring-declaration-details>
  <receiving-declaration-details>
    <receiving-name>Noe Buddy</receiving-name>
    <declared-date-time>22AUG16/1500</declared-date-time>
    <declaration-signature></declaration-signature>
  </receiving-declaration-details>
</summary>
    
```

Additional information provided in XML format

## What's Next?

- Acceptance of XML eUCR (XUCR) at IATA ULD Board
- Industry solutions for adoption of eUCR (XUCR)
  - Inclusion in e-freight systems
  - Stand alone solutions for ULD Management
- Address limitations / errors in content of Section 8 of ULDR
- Potential for improving interlining tracking and IULDUG
- Initiate review of XML development of other ULD movement and stock control messages currently in AHM



View as...

Originator: n\_towon

HKG

Ctrl Rcv No. \*

160-29050300

Status DRAFT

Last Saved 22AUG16 0944

Saved by n\_towon

PDF  
IATA Text  
XML

Enter ULD codes to insert to load here...

Bulk	Type	Nbr	Owner	Date	Time	Rcv Party	Trns Party	From	To	Demurrage Code	Damage?	ODLN Code	Damage Condition
<input type="checkbox"/>	PMC	33177	R7	22AUG16	1500	LUGAIR	CX	HKG	HKG	DMG	<input checked="" type="checkbox"/>	S8	5CM CUT ON
<input type="checkbox"/>	PMC	37285	R7	22AUG16	1500	LUGAIR	CX	HKG	HKG	SER	<input type="checkbox"/>		
<input type="checkbox"/>	PMC	39470	R7	22AUG16	1500	LUGAIR	CX	HKG	HKG	SER	<input type="checkbox"/>		

Upload Download

ULD CONTROL RECEIPT

1510 AM  
Aviation SSG Cargo City South Frankfurt Airport  
Germany  
EMAIL: L-GGLOG-PRG-DE

CHEP AIRCRAFT NO: 160-29050300  
WHL TOLU or Cargo World Performance  
NETS: 160-29050300, 160-29050300

NO	TYPE	DATE	TIME	FROM	TO	STATUS	REMARKS
1	PMC	22AUG16	1500	HKG	HKG	OK	
2	PMC	22AUG16	1500	HKG	HKG	OK	
3	PMC	22AUG16	1500	HKG	HKG	OK	

Send Download

LUC  
.PMC33177R7/22AUG16/0300/YYLUGAIR/CX/HKG/160-29050300/HKG/DAM  
.PMC37285R7/22AUG16/0300/YYLUGAIR/CX/HKG/160-29050300/HKG/SER  
.PMC39470R7/22AUG16/0300/YYLUGAIR/CX/HKG/160-29050300/HKG/SER  
ODLN CODE: S8  
DAM DESC PMC33177R7 - 5CM CUT ON THE BASE

```

LUC
.PMC33177R7/22AUG16/0300/YYLUGAIR/CX/HKG/160-29050300/HKG/DAM
.PMC37285R7/22AUG16/0300/YYLUGAIR/CX/HKG/160-29050300/HKG/SER
.PMC39470R7/22AUG16/0300/YYLUGAIR/CX/HKG/160-29050300/HKG/SER
ODLN CODE: S8
DAM DESC PMC33177R7 - 5CM CUT ON THE BASE
    
```

**SOME QUIT DUE TO  
SLOW PROGRESS.  
NEVER GRASPING  
THE FACT THAT...**

**...SLOW PROGRESS  
IS PROGRESS**