Advance Passenger Information (API)

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Advance Passenger Information (API)

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Overview

- **An Outline of API**
- **Background**
- **API Process Flow**
- **Korea's API Implementation**
- **Korea's API Transmission**
- **A Sample Message(US_EDIFACT)**
- **Data Transmission Cost**
- **Man-hour for Data Collection**
- **Problems in API Implementation**
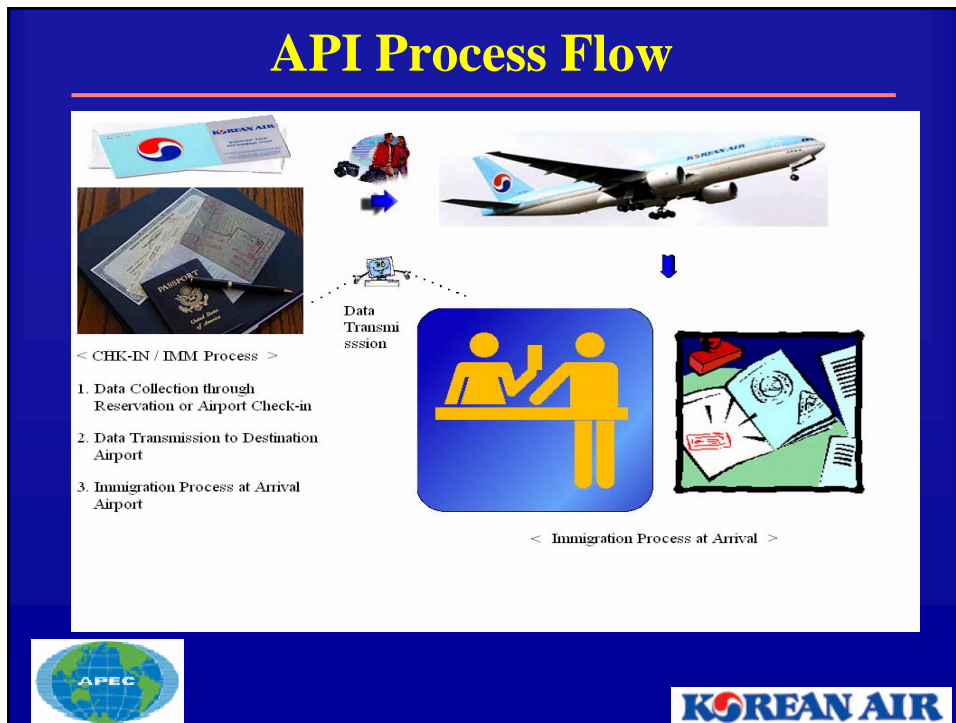- **Solutions for Problems**

An Outline of API

- **API implantation process**
  - **- Collect passport information at airport**
  - **- Transmit information to Customs**
  - **- Get passenger information in advance to screen**
  - **- Provide facilitated entry service**
- **API data collection**
  - **- Passenger, Crew**
- **API is used for**
  - **- Customs**
  - **- Immigration**
  - **- Aviation Security purposes**

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Background

- **Need to intercept smuggling or illegal activities for customs**
- **Systematic prevention of illegal entry into country**
- **Take positive actions for Aviation Security against acts of unlawful interference**
- **Facilitate entry.departure process for increased passengers**

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API Process Flow

< CHK-IN / IMM Process >

1. Data Collection through Reservation or Airport Check-in

2. Data Transmission to Destination Airport

3. Immigration Process at Arrival Airport

Data Transmission

< Immigration Process at Arrival >

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Korea's API Implementation

- **Customs Law : Provision 135**

- **Effective : June 30, 2002**

- **Application in ICN airport**
  - **- Entry : All passengers (59 airlines)**
  - **- Departure : Flights to Americas, Oceania, Japan and China**

- **API applying in obligation**
  - **- 2002. 6. 30 : more than 50%**
  - **- 2003. 9. 30 : more than 70%**
  - **- 2003. 12.31 : more than 90%**

- **API applying for 2nd half 2004 : 95 %**

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Korea's API Transmission

- **Required Data : Passport no, Name, DOB, Nationality, Sex**
- **Format : US-EDIFACT**
- **Time Limit : Transmit to Customs exclusive address by 30 minutes before aircraft landing (controlled by KT-NET)**
- **Transmission Requirement : More than 90 %**

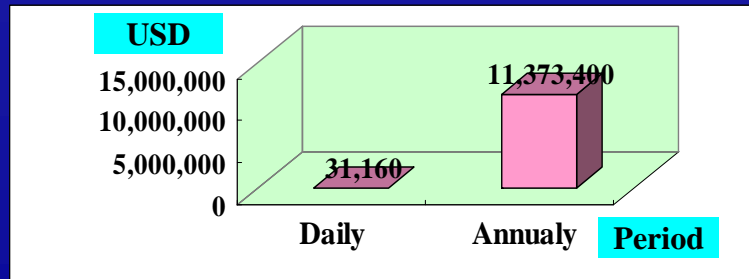# A Sample Message (US_EDIFACT)

```
UNA:+.? '
UNB+UNOA:1+SAMPLAIR:NZ+USCS:US+020131:2359+0201312359++CEDIPAX+A+++0'
UNG+PAXLST+SAMPLECOMM:NZ+TECS:US+020131:2359+0201312359+NZ+001:000'
UNH+0201312359+PAXLST:001:000:NZ+SA812/020131/2300'
CTA+IC+:FRED? SAMPLES+1-703-644-5200:TE+1-703-566-8224:FX'
TDT++SA812+40+SA'
LOC+005+NZAKL:50'
DTM+136+1030+M05'
LOC+008+USLAX:50'
DTM+132+2200+M05'
UNS+D'
PDT+P/182345345:990909:US+MANGUS:SIMON:P:590429:M+PAX+NZAKL:USLAX'
PDT+P/122222345:970902:US+FEFE:THEODORE:C:560704:U+PAX+NZAKL:USLAX'
PDT+P/C76543D:920429:GB+BOYLE:ALVIN::521221:U+PAX+NZAKL:USLAX'
PDT+P/E54321A:980831:IE+O?'LEARY:KRIS:ANN:331231:F+PAX+NZAKL:USLAX'
UNT+000011+0201312359'
UNE+1+0201312359'
UNZ+1+0201312359'
```

Data Transmission Cost

- **Transmission Line : SITA/ARINC**
- **_Annual Cost : $11.3 MIL_**   UN_EDIFACT

USD

15,000,000	11,373,400
10,000,000	
5,000,000	31,160
0	
Daily	Annualy

Period

1,000,000 CHRS : 654 USD

1 PRS	:	500 CHR
250 PRS	:	82 USD
Daily Flights	:	380 (IN & OUT)

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Man-hour for Data Collection

- **Time required : 37 Minutes / Flight**
  - **- 9 Seconds for 1 Person,**
  - **- 250 Persons / Flight**

- **Work load increased**

  - **- Check-in process time : 2.5 hours**
  - **- 37 Minutes / 150 Minutes = 20%**

- **Manpower,equipment and facility to be supported to cover additional 20% work load**

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Problems in API Implementation

- **Indirect cost increased for collecting data**
  - **Process time increased** in reservation, boarding pass issue and check-in (20% increased)
  - Passenger service quality lowered for waiting time increased
  - Manpower, equipment, and facility required
- **Direct cost increased for data transmission - SITA/ARINC**

Workload Increased

Problems in API Implementation

- **Airports in poor transmit circumstance**
  - Lack of check-in counter, manpower and equipment at APO in China & Southeast Asia (ex.OIT,FUK,KOJ, etc)

- **For short flights, hard to comply with data transmission time-limit (by 30 min. before landing)**
  - Flights from Japan and China

Solutions for Problems

- **Transmission data items to be standardized**
  - **In case of EBS API implementation by US, additional Visa & address information is required**

- **Data transmission format to be standardized**
  - **by US_EDIFACT or UN_EDIFACT**

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Solutions for Problems

- **Airport facility & equipment to be supported by relevant authorities**
  - **349 passport readers have been supplied for overseas airports by Korea customs office**

- **Extension time to be given for airports in poor circumstances**
  - **Some airports in China,Southeast Asia, and for Charter flights**

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