Advance Passenger Information (API)

Submitted by: Korean Air
Advance Passenger Information (API)

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Overview

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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

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
API Process Flow

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%
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=7
UNB=UNOA:1=SAMPLE:AR:KZ=USCS:US:0201312359+/0201312359++CEDI+PAX=10++00'
UNC=PAXLST=SAMPLECOMM:NZ=TECS:UN=0201312359+/0201312359++NZ=001:000'
UNH=0201312359++PAXLST:001:000:NZ=SAR12/0201312350'
CTA=IC=RED07:SAMPLE=1-703-644-5200:TE=1-703-566-8224:FX'
TDF=15=SAR12:40=AA'
LOC=065+NZAKL:50'
DTM=136+1030=M05'
LOC=008+USLAX:50'
DTM=132+2200=M05'
UNZ=7
PDT=+P1823453455990099:US:MNGUS:SIMON;P:590429:M=PAX+NZAKL:USLAX'
PDT=+P122222222455970002:US:FEF:THEODOR;C:5681704U=PAX+NZAKL:USLAX'
PDT=+P16754313928459:GB:BOY:ALVIN:521221:I=PAX+NZAKL:USLAX'
PDT=+P154321A:98988311:O=LEARY:KKS:AN;331231;F=PAX+NZAKL:USLAX'
UNT=+000011++0201312359'
UNZ=+0201312359'
```
### Data Transmission Cost

- **Transmission Line**: SITA/ARINC
- **Annual Cost**: $11.3 MIL

![Graph](image)

#### UN EDIFACT

<table>
<thead>
<tr>
<th>Item</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Daily Flights (IN &amp; OUT)</td>
<td>380</td>
</tr>
<tr>
<td>USD 1,000,000 CHRS</td>
<td>654</td>
</tr>
<tr>
<td>1 PRS (USD)</td>
<td>500</td>
</tr>
<tr>
<td>250 PRS (USD)</td>
<td>82</td>
</tr>
<tr>
<td>Daily Flights (USD)</td>
<td>380</td>
</tr>
</tbody>
</table>

### 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**
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

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

- 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
Thank You