

# Activity Report of EASTS IRG (International Research Group)

## IRG-11-2006

Date of Submission: 20/09/2007

### 1. Name of IRG:

Research on the Flow of International Air Cargo in East Asian Region

### 2. List of research members:

1) Dr. Prof. Shigeru MORICHI (Chairman)

Institute for Transport Policy Studies(ITPS), Tokyo, Japan

2) Dr. Seockjin HONG (Vice Chairman)

University of Incheon, Incheon, Korea

3) Dr. Anthony T. H. CHIN

National University of Singapore, Singapore

4) Dr. Joel Zhengyi SHON

Tainan University of Tainan, Tainan, Taiwan

5) Dr. Tetsuo YAI

Tokyo Institute of Technology, Tokyo, Japan

6) Dr. Tetsuro Hyodo

Tokyo University of marine Science and Technology, Tokyo, Japan

7) Mr. Taekyu KIM

Institute for Transport Policy Studies(ITPS), Tokyo, Japan

### 3. Purpose and Mission of IRG:

#### (1) Purpose

Amid the increasingly fierce competition among airports to become domestic and international hub airports, the use of transit transportation via the hub airports in each region is increasing not only in international air cargo transportation between continents but also within the Asian region. In view of this situation, this survey aims to determine the status of transit use in international air cargo transportation and, by analyzing these data, to clarify the current situation of competition at the main airports in the East Asian region. Based on the results of this survey, key tasks and development strategies will be studied in order to promote development on the basis of competition and cooperation, taking advantage of the distinctive characteristics of each main airport in East Asia.

#### (2) Mission

- Build database on intra-Asia and inter-continental international air transit cargo flow
- Make clear about competition relations and competition factors
- Suggest policy that how to collaborate and compete among Asian hub airports
- Use as a basic data for next long-range planning of aviation policy

#### 4. Past Achievements

4.1 Paper, Report or Book: (Title, Authors, Year, Name of journal etc.)

(You don't need to attach the files.)

1. Seock-Jin Hong and Anming Zhang (Confirmed with minor revisions) , “An Efficiency Study of Airlines and Air Cargo/Passenger Divisions: A DEA Approach”, *World Review of Intermodal Transportation Research*
2. Jian Li and Seock-Jin Hong (2007), “Towards a New Model of Supply Chain Risk Management: the Cross-Functional Process Mapping Approach”, *International Journal Electronic Customer Relationship*
3. Seock-Jin Hong and Il-Soo Jun (2006), “An Evaluation of service Quality Priorities between Air Cargo Service Providers and Customer, *World Review of Intermodal Transportation Research*
4. Seock-Jin Hong (2003), “New Landing Charge Scheme and Factors to consider an Airport Charge”, *The Korean Transport Policy Review*
5. Seock-Jin Hong and Jae-Hwan Lee (2007), “A Study of Measuring Service Quality in Incheon International Airport Focusing on the Passenger Terminal” *Journal of Korean Society of Transportation*
6. Shon, Z. Y., F. Y. Chen, and Y. H. Chang (2003), “Airline E-Commerce: The Revolution of Ticketing Channels”, *Journal of Air Transport Management*, Vol. 9., No. 5, September 2003, pp. 325-331. (SSCI) ( NSC: 91-2416-H-160-001)
7. Taekyu KIM (2003) “Research on strategic alliance in air cargo company” Publication of Waseda University, Vol.57
8. Taekyu KIM (2006), “Research on development of logistics hub at international airport”, *Journal of Japan Society of Transportation Economics*,

4.2 Seminar, Symposium or Special Session: (Title, Date, Venue & abstract)

1. Shon, Z. Y., Y. H. Chen, and P. C. Ho (2007), “LCC in China: Local Emergences and Foreign Entrants”, 2007 Air Transportation Research Society 2007 World Conference, June 2007, U.C. Berkeley, California: USA.
2. Shon, Z. Y. (2006), “Current status of air cargo in Taiwan and development strategy of Taoyuan airport”, the 30<sup>th</sup> Transportation Policy Seminar, October 2006, Tokyo: Japan.
3. Shon, Z. Y., Wong, J. T., Wang, T. W. (2006), “Measuring Cost Savings of Applying Electronic Supply Chain Manifest in Air Cargo Terminals”, 85<sup>th</sup> Transportation Research Board, January 2006, Washington D. C.: USA.
4. Taekyu KIM(2006), “Analysis on transshipment of international air cargo and competition between airports in East Asia”, *Air Transportation Research Society 2006 World Conference*, June , Nagoya, Japan.
5. Taekyu KIM(2007), “Analysis on transshipment of international air cargo and competition between airports in East Asia”, *Air Transportation Research Society 2007 World Conference*, June 2007, U.C. Berkeley, California: USA.

4.3 Group meeting: (Date, Venue & abstract)

1. Date: 12nd October 2006

Venue: Institute for Transport Policy Studies

Abstract: The First International Committee meeting of Survey on the Flow of International Air Cargo in East Asian Region

2. Date: 23rd February 2007

Venue: Institute for Transport Policy Studies

Abstract: The Second International Committee meeting of Survey on the Flow of International Air Cargo in East Asian Region

4.4 Result of Application to other research funds: (Name & result)

4.5 Promotional activities of your IRG: (Home page, Newsletter, Mailing list etc.)

**Will you continue your IRG activity in next term (after September 2007) ? [ YES ]**

→ If “YES”, please answer the following questions.

**5. Future research plan including time frame with the following items:**

- Planned seminar, symposium etc. (Date & Venue)

March of 2008 at Seoul, Korea

- Possibility of Special Session at the next EASTS conference in 2009

Yes

- Special considerations to young researchers

**6. Application for ICRA Grant**

Will you apply for ICRA Grant ? [NO]

→ If “YES”, please choose one ICRA category among the two categories (A or B).

**A. ICRA for incubating research,**

which aims to support academic research works or to assist research meetings.

**B. ICRA for publicity of achievement,**

which aims to support publications, symposiums or seminars for the publicity of your IRG achievements.

Evaluation criteria of ICRA is based on “Internationality”, “Academic/Practical Novelty”, “Usefulness” and “Prospect” written in this activity report. Please reconfirm the features of this report.

If you choose “**A. ICRA for incubating research**”, please answer **6.A**, if “**B. ICRA for publicity of achievement**”, answer **6.B**.

**6.A Budget for “A. ICRA for incubating research”**

**(Please note that the fund is for two years)**

- a) Personnel – only for the part-time workers, not for researchers
- b) Equipment
- c) Supplies – Consumables, such as CD-R disks, etc.
- d) Travel for conduct of research, symposium seminar etc.
- e) Other items of expense (itemized)

\* Total amount requested – not to exceed 1,000,000 YEN (approximately 8,400 US\$)

\* Budget can not include researchers' salary.

**6.B Budget for “B. ICRA for publicity of achievement”**

**(Please note that the fund is for one year)**

- a) Travel for conduct of research, symposium seminar etc.
- b) Supplies – Consumables, such as CD-R disks, etc.
- e) Other items of expense (itemized)

\* Total amount requested – not to exceed 500,000 YEN (approximately 4,200 US\$)

\* Budget can not include researchers' salary.