



*International Civil Aviation Organization*

**SPECIAL IMPLEMENTATION PROJECT (SIP) ON ATS  
INTER-FACILITY DATA COMMUNICATION  
IMPLEMENTATION SEMINAR**

Bangkok, Thailand, 12-13 October 2010

**Agenda Item 4: Experience gained and lesson learnt**

**IMPLEMENTATION UPDATES BY CHINA**

(Presented by China)

**SUMMARY**

This paper provides a brief on AIDC implementation Status and plans in China.

**1. INTRODUCTION/BACKGROUND**

1.1 From 2005, China began to trial and promote AIDC application. So far, AIDC has been used widely between Chinese FIRs. Now, there are 10 ATS pairs coordinating by AIDC and 9 ATS pairs plan to implement the AIDC. The following chart is the details.

Pairs		Implementation Date	Remark
Shenyang ACC	Dalian ACC	2009.10	AFTN , 9.6K/S
Guangzhou ACC	Nanning APP	2005.4	AFTN; complete AIDC, using ABI,EST,ACP,TOC,AOC etc. messages.
	Zhanjiang ACC	2006.12	
	Zhuhai APP	2009.1	
Nanning APP	Zhanjiang ACC	2006.7	
	Kunming ACC	2008.7	
Zhanjiang ACC	Haikou APP	2007	AFTN , contracted AIDC, using EST,ACP,TOC,AOC
Sanya ACC	Hongkong ACC	2007.2	AFTN , contracted AIDC, using ABI , EST , ACP
Chengdu ACC	Chongqing ACC	2010.7	AFTN
Kunming ACC	Guiyang ACC	2010.7	AFTN
Beijing ACC	Zhenzhou ACC	2011.1	Testing
	Xian ACC	2011.3	
	Guangzhou ACC	2011.11	
Guiyang ACC	Chengdu ACC	2010.12	
	Chongqing ACC	2010.12	
	Nanning APP	TBD	
Xian ACC	Chengdu ACC	2010.12	
	Guangzhou ACC	2011.6	
	Lanzhou ACC	2012	

## **2. DISCUSSION**

2.1 There are some issues during applying the AIDC in China:

2.1.1 China implements AIDC based on AIDC ICD Version 2.0 and AFTN, sometimes the transmission delay is too long to finish the coordination. Now the success rate of AIDC coordination is 60%-95% between pairs. AIDC ICD Version 3.0 and transmission based on IP can solve the issues.

2.1.2 AFTN and AIDC are not good compatible. When AIDC based on AFTN was used, we must configure some parameters.

2.1.3 The initial CRC value of ATC systems are different (some of them is “FFFF” and some of them is “0000”), we must adjust them but some of them are fixed during the ATC system was built.

## **3. CONCLUSION**

3.1 The meeting is invited to note the above information.

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