



SIP AIDC - IP/9
12/10/10

Ministry of Land, Infrastructure, Transport and Tourism
CIVIL AVIATION BUREAU, JAPAN



Progress of AIDC implementation in Japan

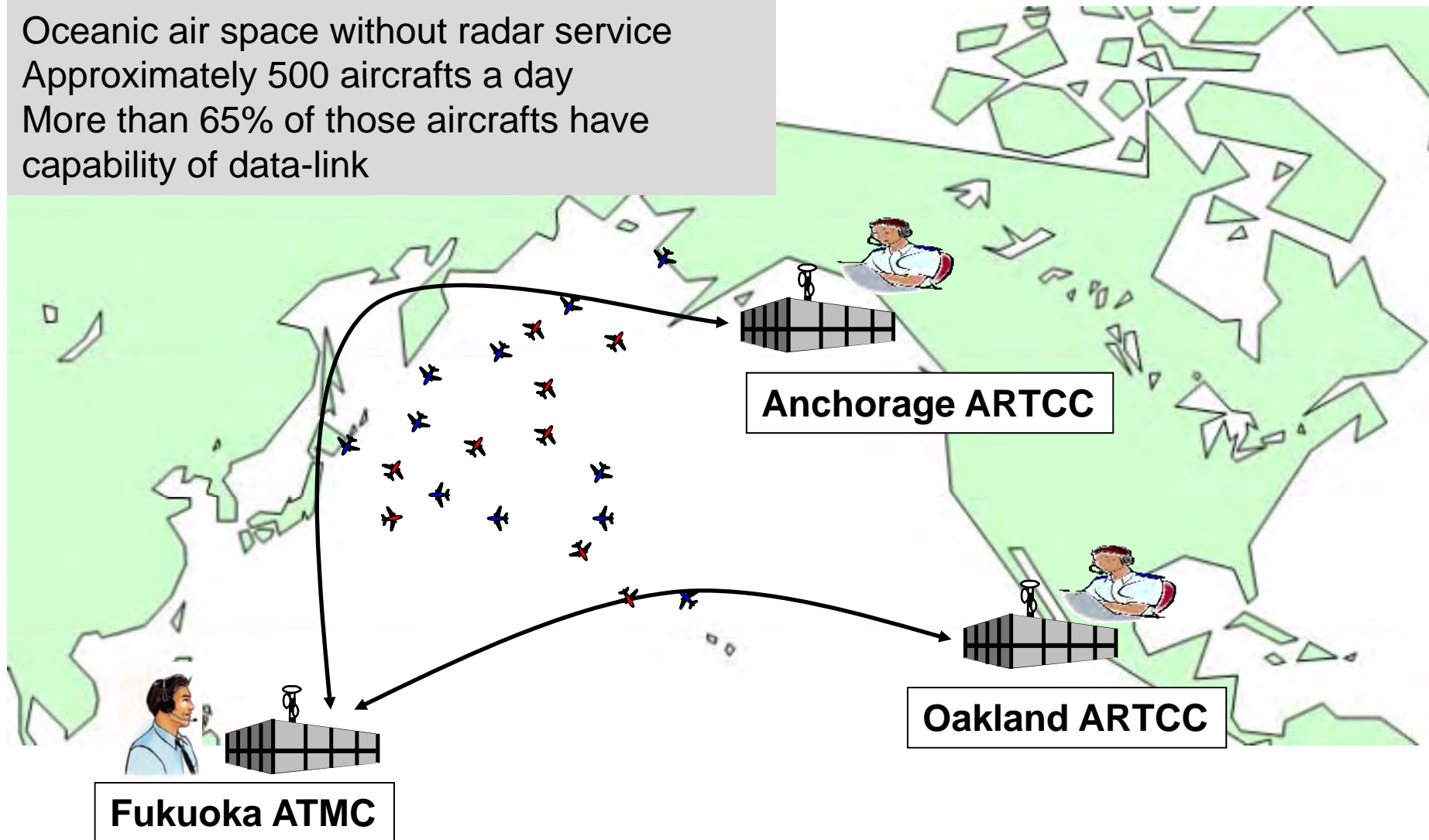
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Contents

- AIDC with Anchorage ARTCC, Oakland ARTCC
- AIDC with Incheon ACC
- AIDC with Taipei ACC
- New AIDC server in Japan

The United States - Japan

Oceanic air space without radar service
Approximately 500 aircraft a day
More than 65% of those aircrafts have capability of data-link



Special Implementation Project (SIP) on AIDC Implementation Seminar, Bangkok, Oct 12-13 2010



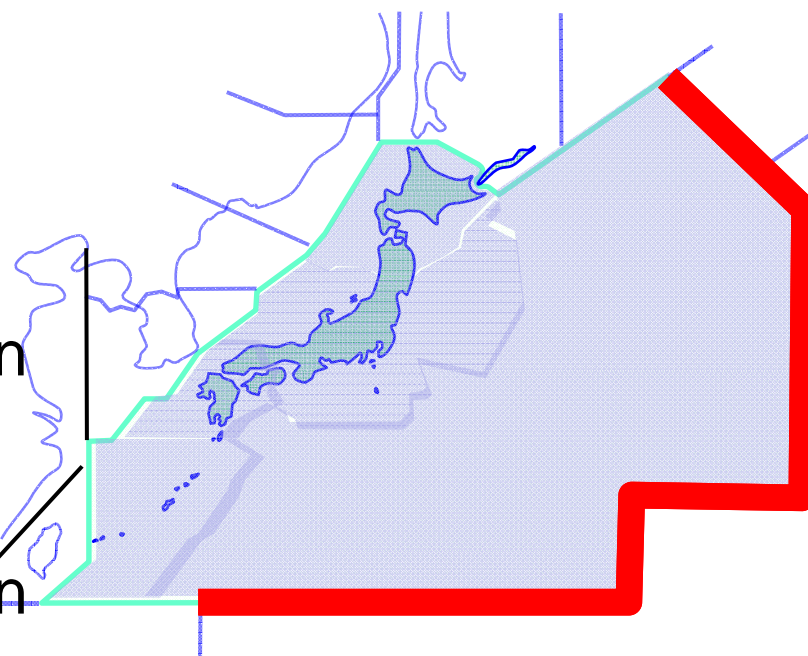
The United States - Japan

AIDC since
1998 with Oakland ARTCC,
2005 with Anchorage ARTCC,

Based on Asia/Pacific Region
AIDC ICD ver.1.0.

Updated to AIDC ICD ver.2.0. on
Mar. 2009.

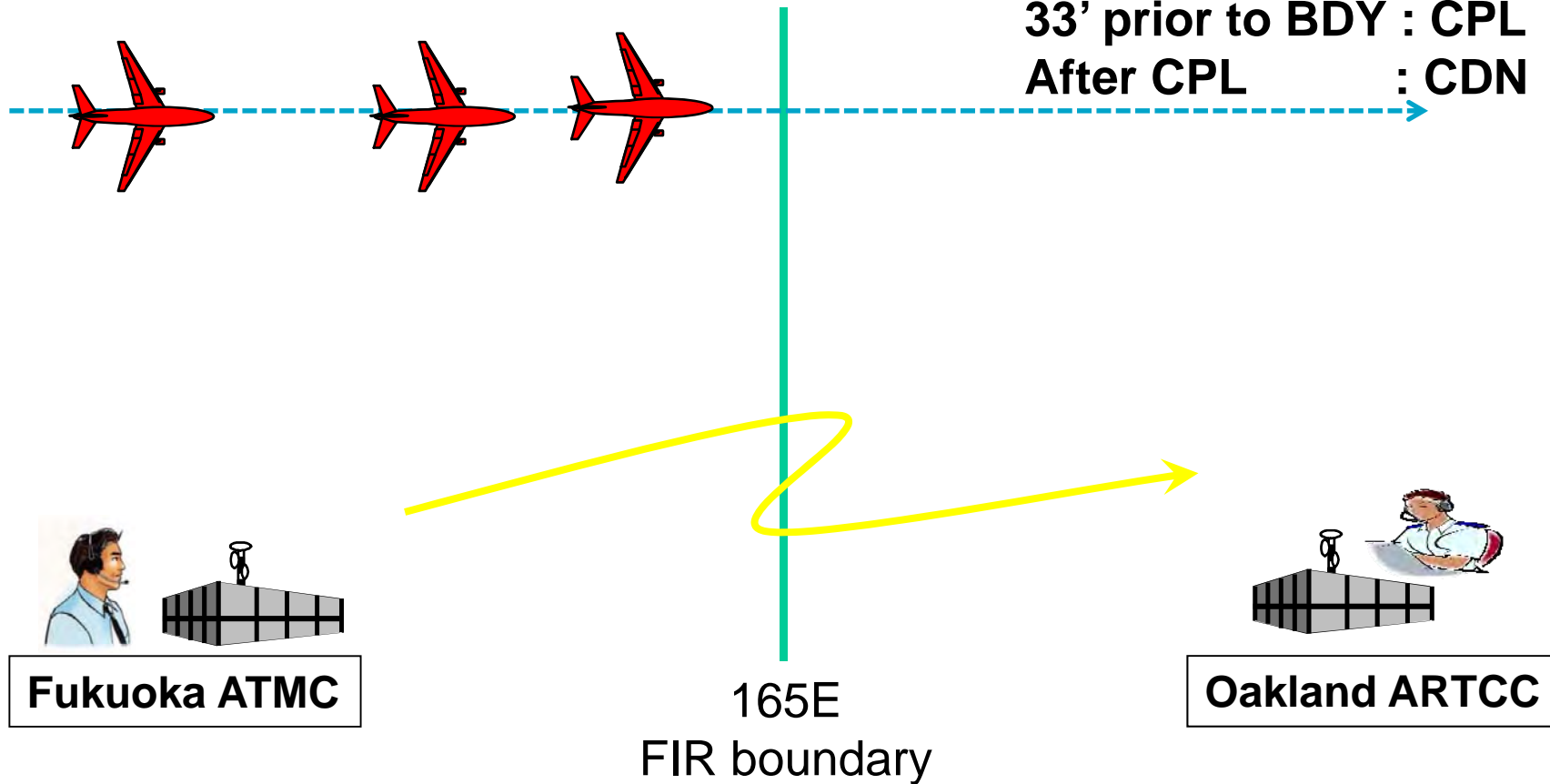
FAA and JCAB agreed to
introduce of AIDC ICD ver.3.0. in
future.



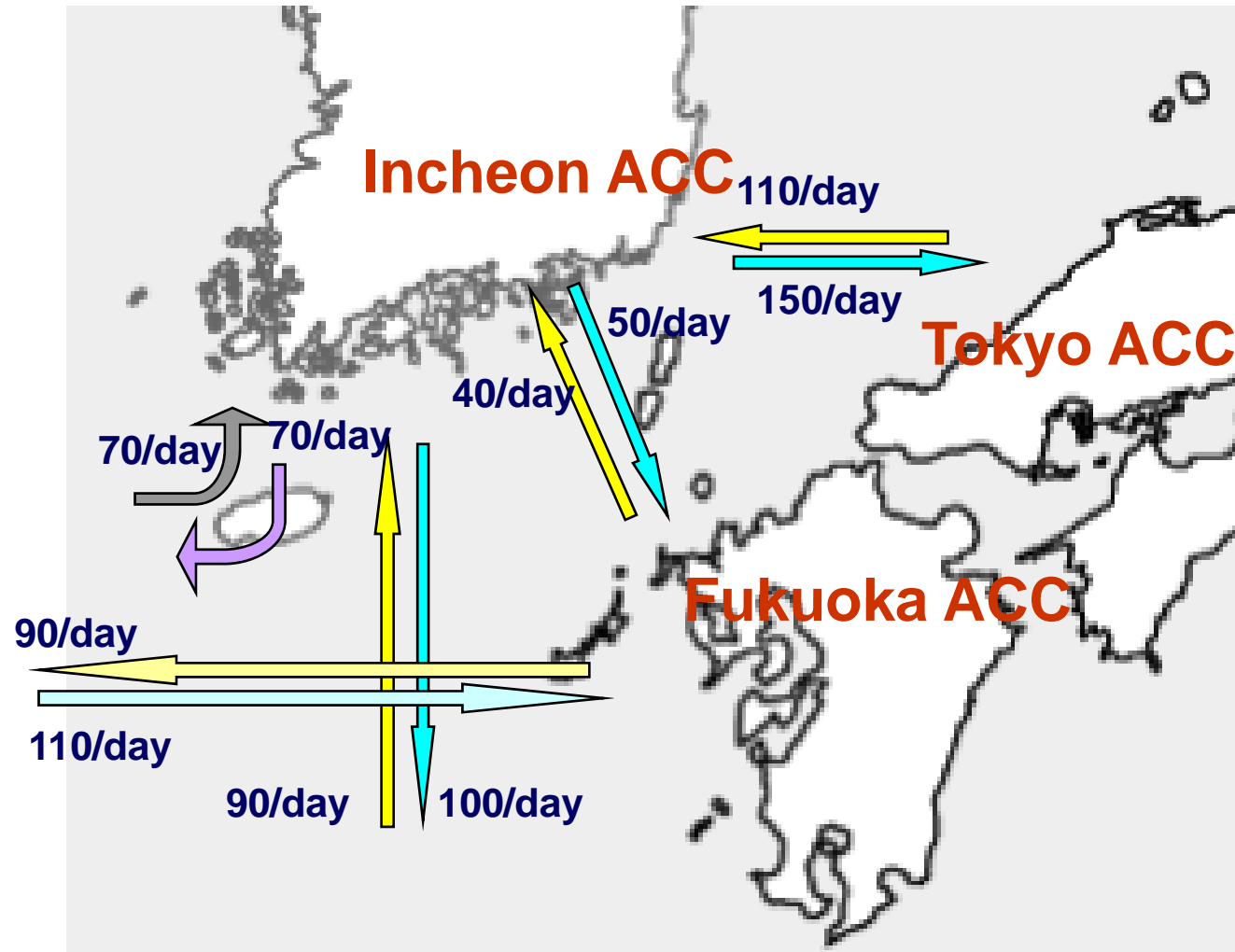
The United States - Japan

AIDC ICD Ver.2.0

60' prior to BDY : ABI
33' prior to BDY : CPL
After CPL : CDN



Republic of Korea - Japan



Incheon-Japan
540/day

Incheon-Shanghai
140/day

Shanghai-Japan
200/day

**Total
880/day**

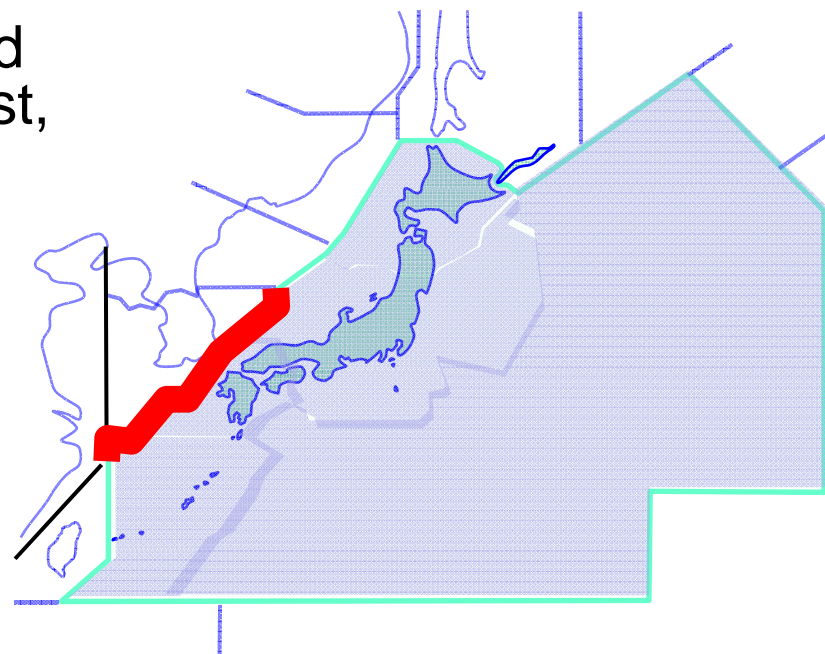


Republic of Korea - Japan

Inchon ACC and JCAB have continued to coordinate regarding to implementation of AIDC since 2003.

However, some problems were found during development & connection test, it needed to be rescheduled. Dec, 2008, all of connection tests were finished between test systems.

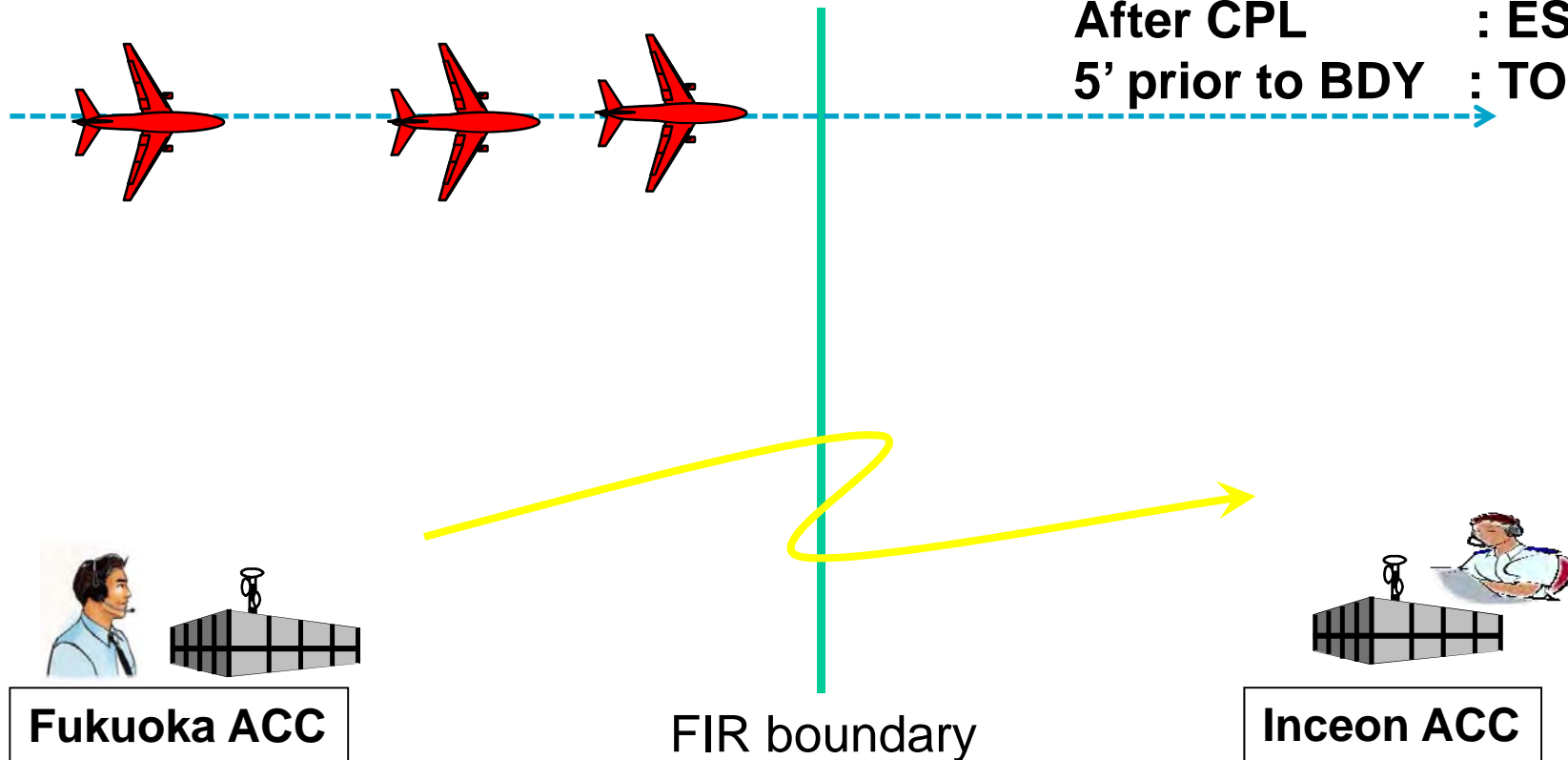
Trial operation started in May. 2009
Operation started in Feb. 2010
Based on Asia/Pacific Region AIDC ICD ver1.



Republic of Korea - Japan

AIDC ICD Ver.1.0

15' prior to BDY : CPL
After CPL : EST
5' prior to BDY : TOC

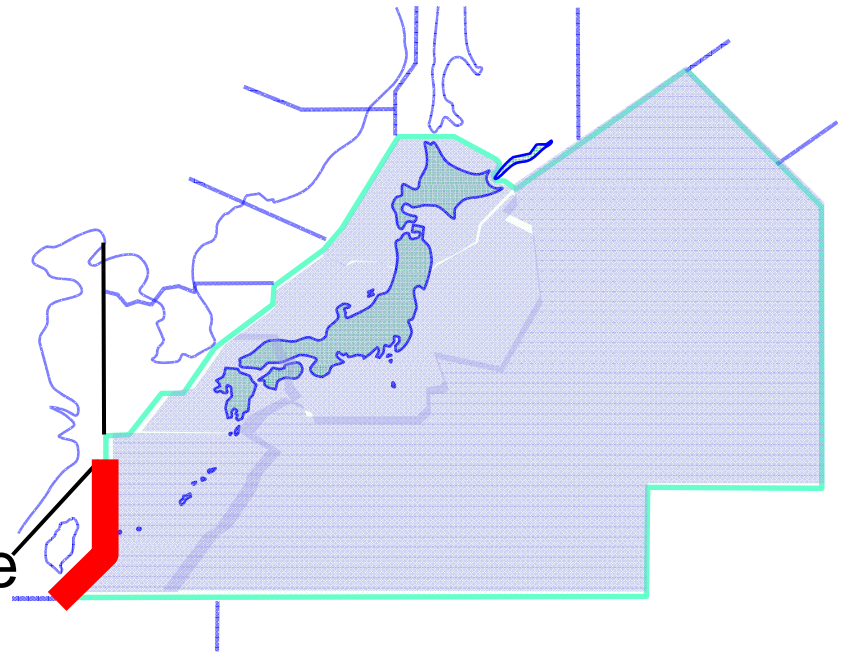


Taibei - Japan

Taibei announced the development plan about new CNS/ATM system in 2010 at the meeting between Taiwan Civil Aeronautics Administration and JCAB in 2006.

Taibei and JCAB agreed to introduce of AIDC after 2010.

Taibei and JCAB agreed to execute AIDC based on ICD ver3.0. targeting on FY2011



Future plan in Japan

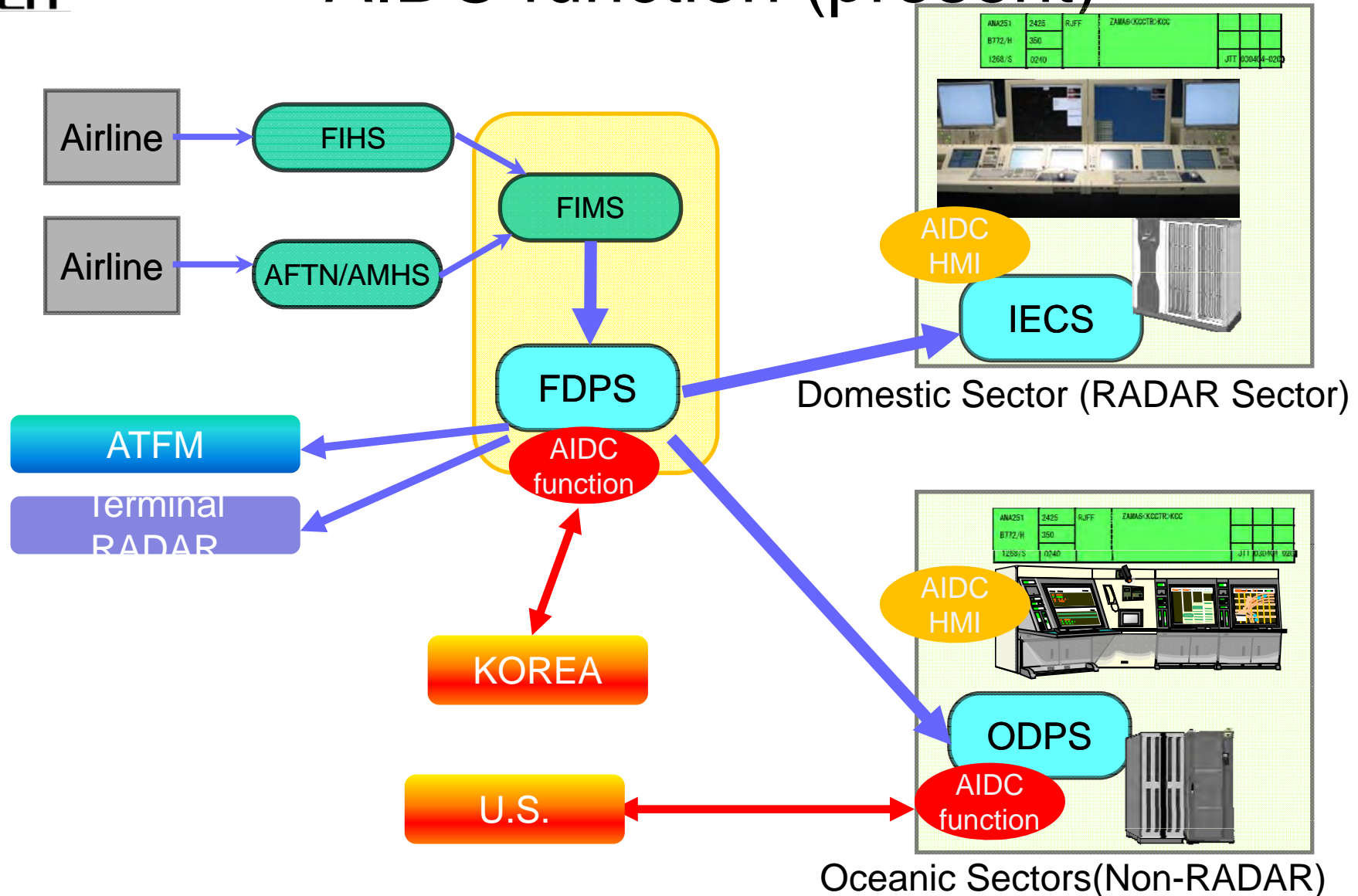
- JCAB is executing AIDC by the ODP system with FAA. On the other hand, JCAB is executing AIDC by the FDP system with Incheon ACC, because there is no oceanic sector between Japan and Republic of Korea.
- In present situation, two systems have the AIDC function. When the regulation of AIDC is changed, it needs program update to two systems. Japan is planning to introduce a new AIDC server in 2010, and integrate AIDC functions that have been distributed to ODP and FDP. Then, the AIDC connection with the neighboring FIR will be executed by a new AIDC server.

New AIDC server Implementation Plan

	2008	2009	2010	2011	2012
Japan NEW AIDC server	System design	Production	Production	Evaluation Test, Operational Test	Operation



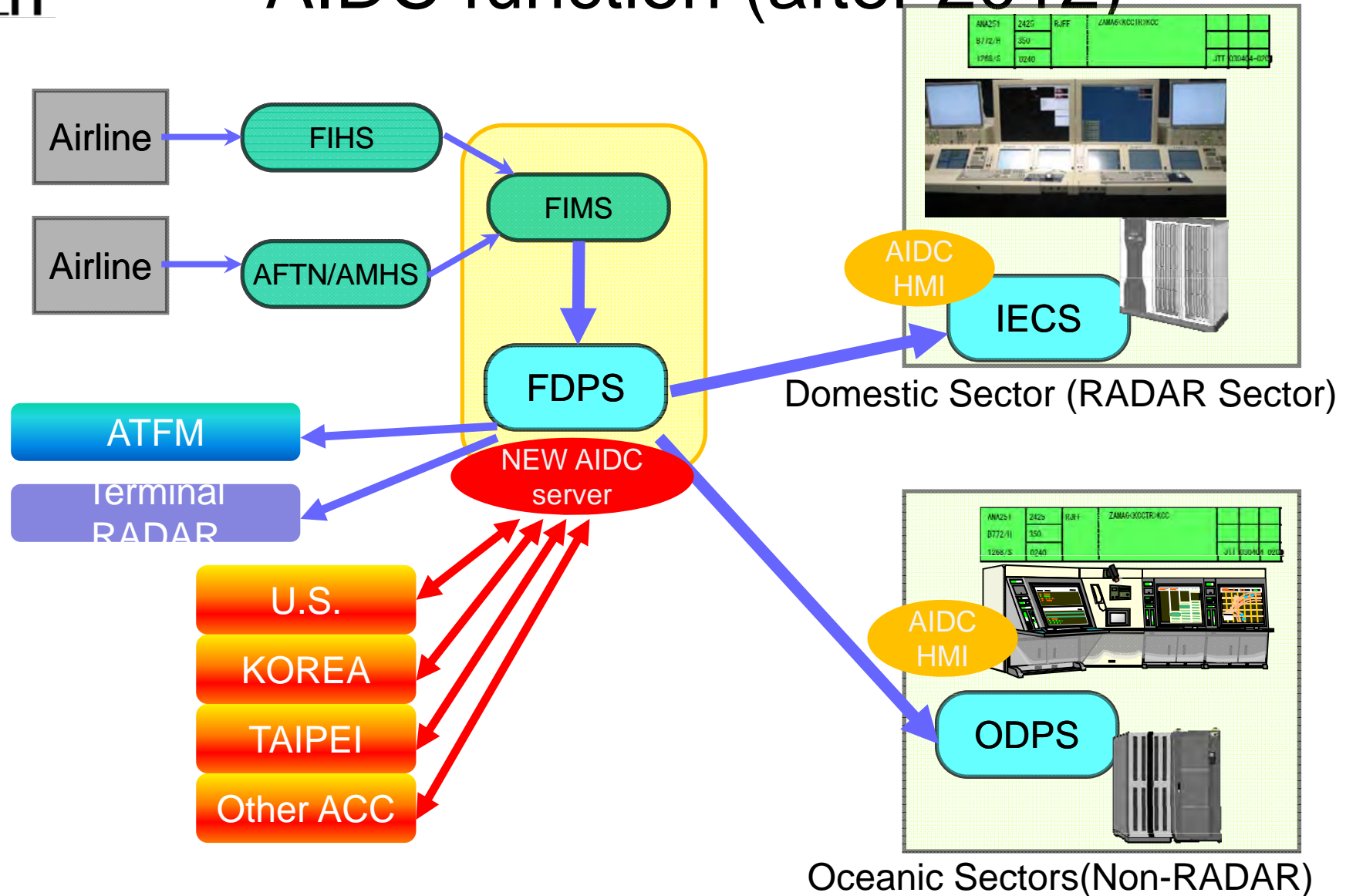
AIDC function (present)



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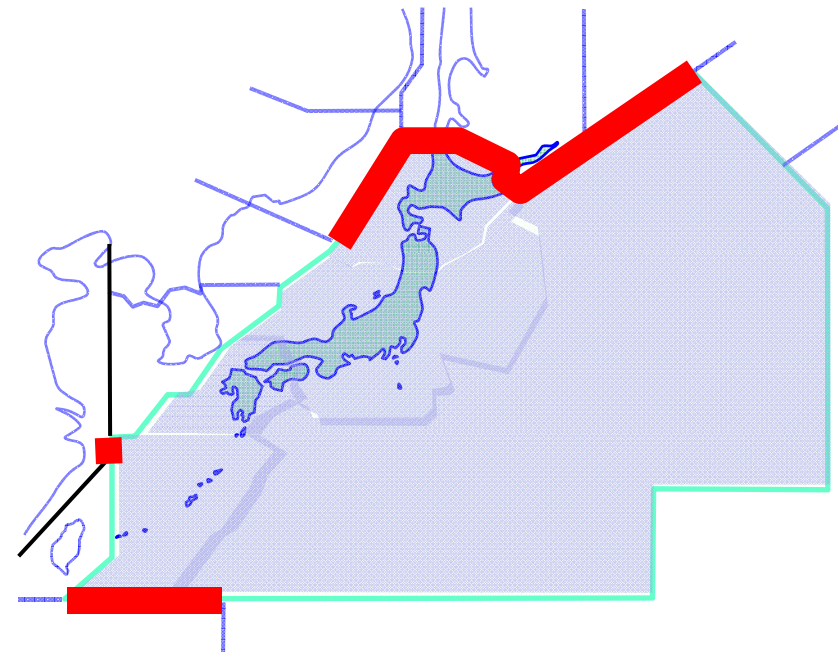


AIDC function (after 2012)



Other neighboring FIRS

1. Shanghai ACC, China
2. Manila ACC, Philippine
3. Vladivostok ACC, Russia
Yuzhino-Sakhalinsk ACC, Russia
Khabarovsk ACC, Russia



Thank you!

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