

Ministry of Land Infrastructure Transport and Tourism

CIVIL AVATION BUREAU OF JAPAN

CDM in JAPAN

Japan Civil Aviation Bureau



Doc.9971 Manual on Collaborative Air Traffic Flow Management

Part 1 Collaborative Decision Making(CDM)
Part 2 Air Traffic Flow Management

CDM is cradle of ATFM

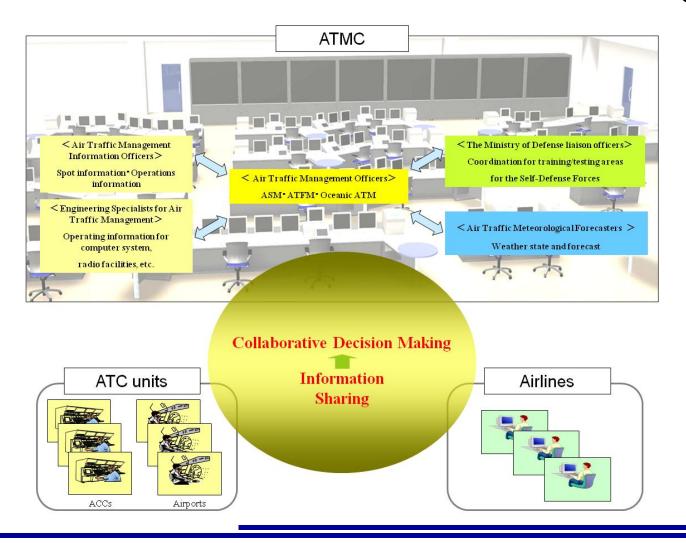
Effective ATFM is based on good CDM environment.

CDM need tool for information sharing.





Collaborative Decision Making





S01 S02 S03 S04 S31

S34 T01

T03

T04

RJCC

CDM Tools

N₀2

N06

RJFF

Meteorological Information

F02

RJGG

Alert classification is shown by colored symbol

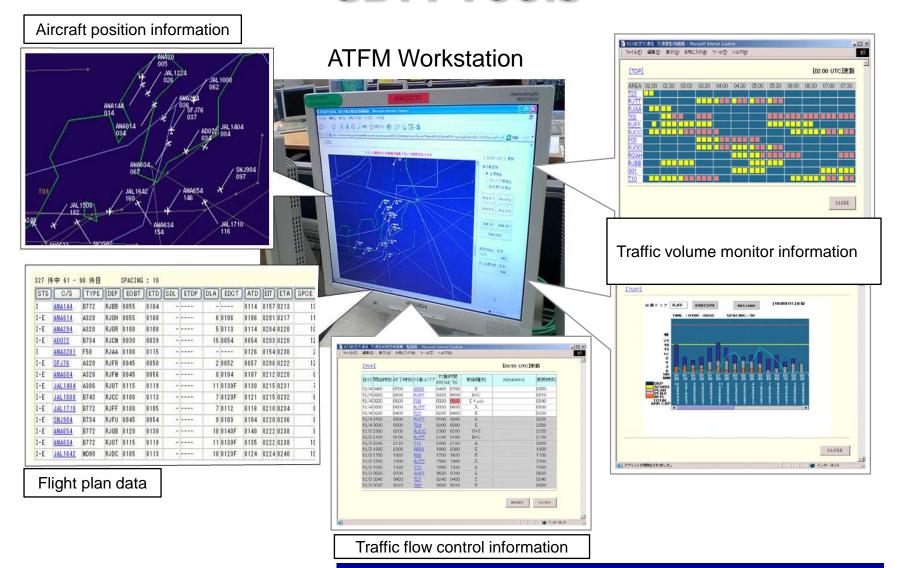
Large 8 Displays



Chronological forecast

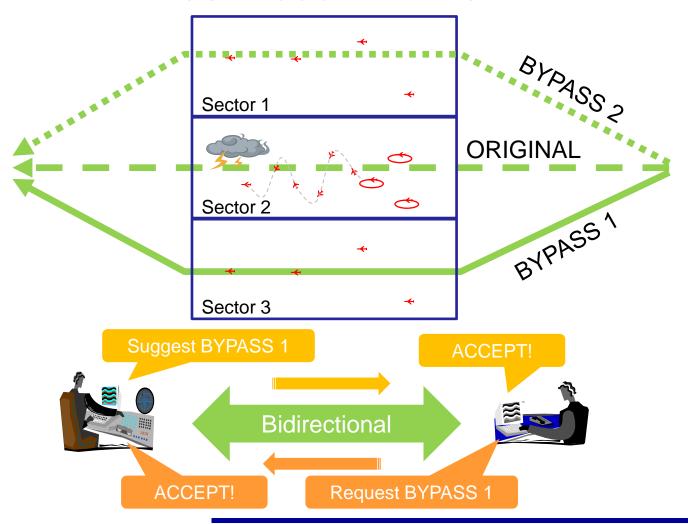
T12







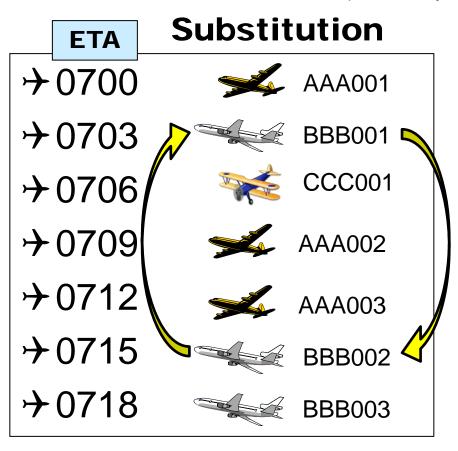
ROUTE COORDINATION

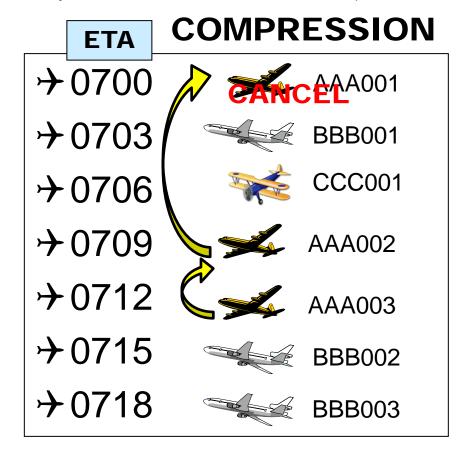




TIME FRAME COORDINATION

Arrival slot coordination (AOs carry it out by oneself with ATM workstation.)

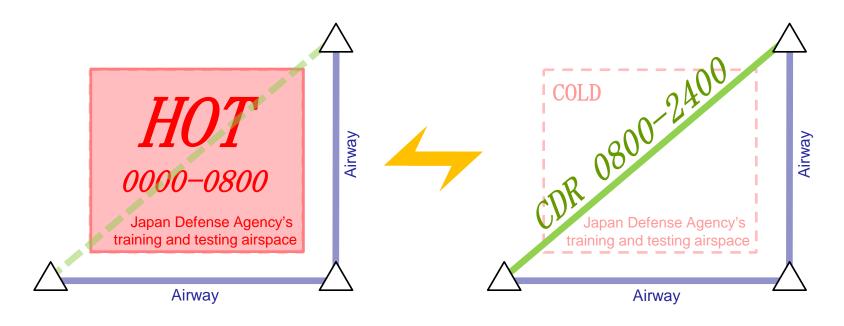






CDR(Conditional Route) Operation

Reduction of Fright Planed Distance



Jan. 2013 Japan

CDR1 (1 route) : Notified by AIP

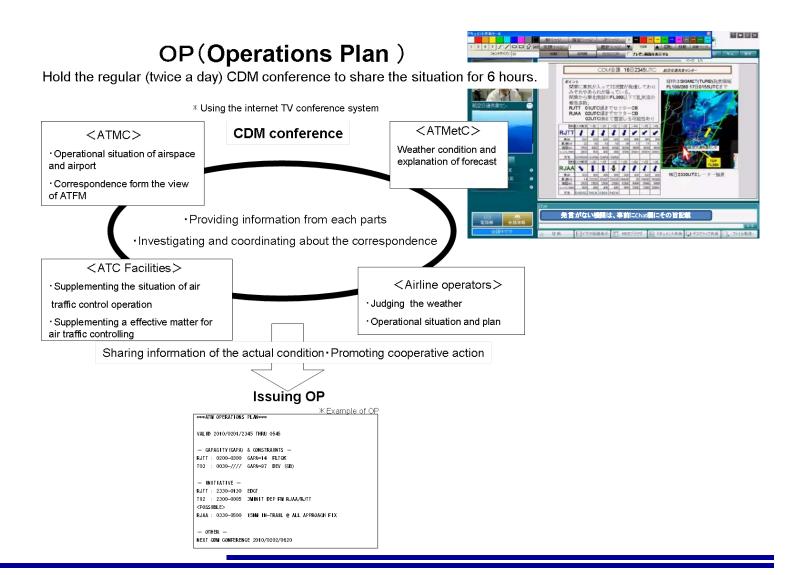
CDR2 (12 routes): Notified by NOTAM



CDM Conference

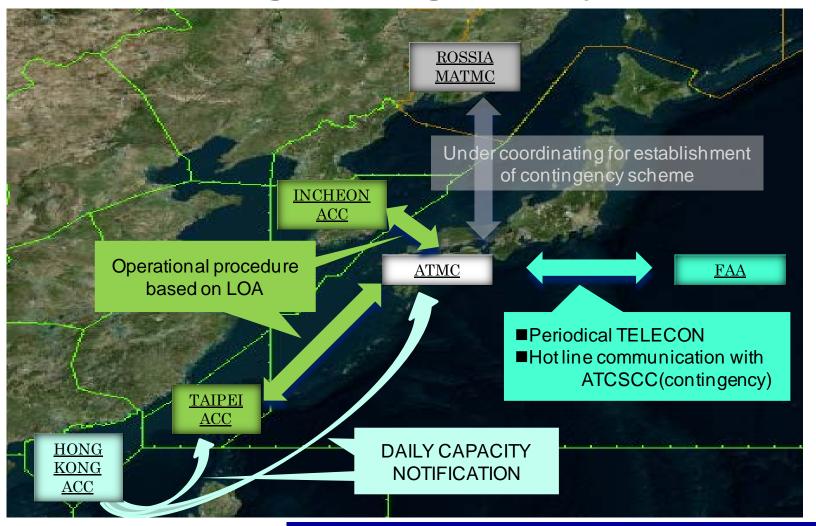
- Participants
 ATMetC, ACCs, Terminals,
 AOs(ANA,DAL,JAL), ATMC
 - Regular Conference (Twice a day)
 - •Extra Conference (As necessary)







Sharing Information with Neighboring Facility

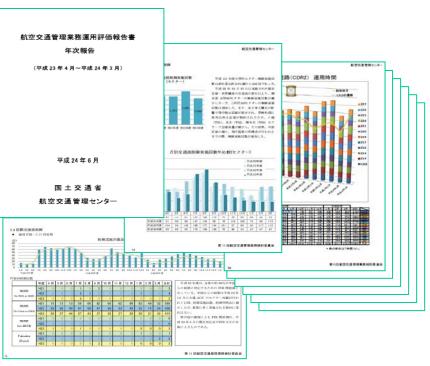




ATM Service Conference

- MEMBER: JCAB, JMA, MOD/JASDF, CDM AIRLINEs
- **□** TWICE A YEAR
- ATM SERVICE OPERATIONAL ANNUAL REPORT
- ANALYSIS, EVALUATION AND DEVELOPMENT FOR ATM OPERATION





THANK YOU

