Report on Japan's Airspace Redesign Plan

THE 46th MEETING OF INFORMAL PACIFIC ATC CO-ORDINATING GROUP (IPACG/46)

Presented by JCAB

Oct.2020

国土交通省

Outline of airspace reorganization

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Overview

In order to respond to the increase in air traffic volume, we will carry out domestic controlled airspace (ACC and approach control area) changes in stages.

【ACC:area control center】

We'll divide the domestic controlled airspace (ACC) into upper and lower parts.

High altitude sector・・・・・for cruise aircraft

Low altitude sector・・・・・for short-range flight, climbing / descending aircraft around the airport

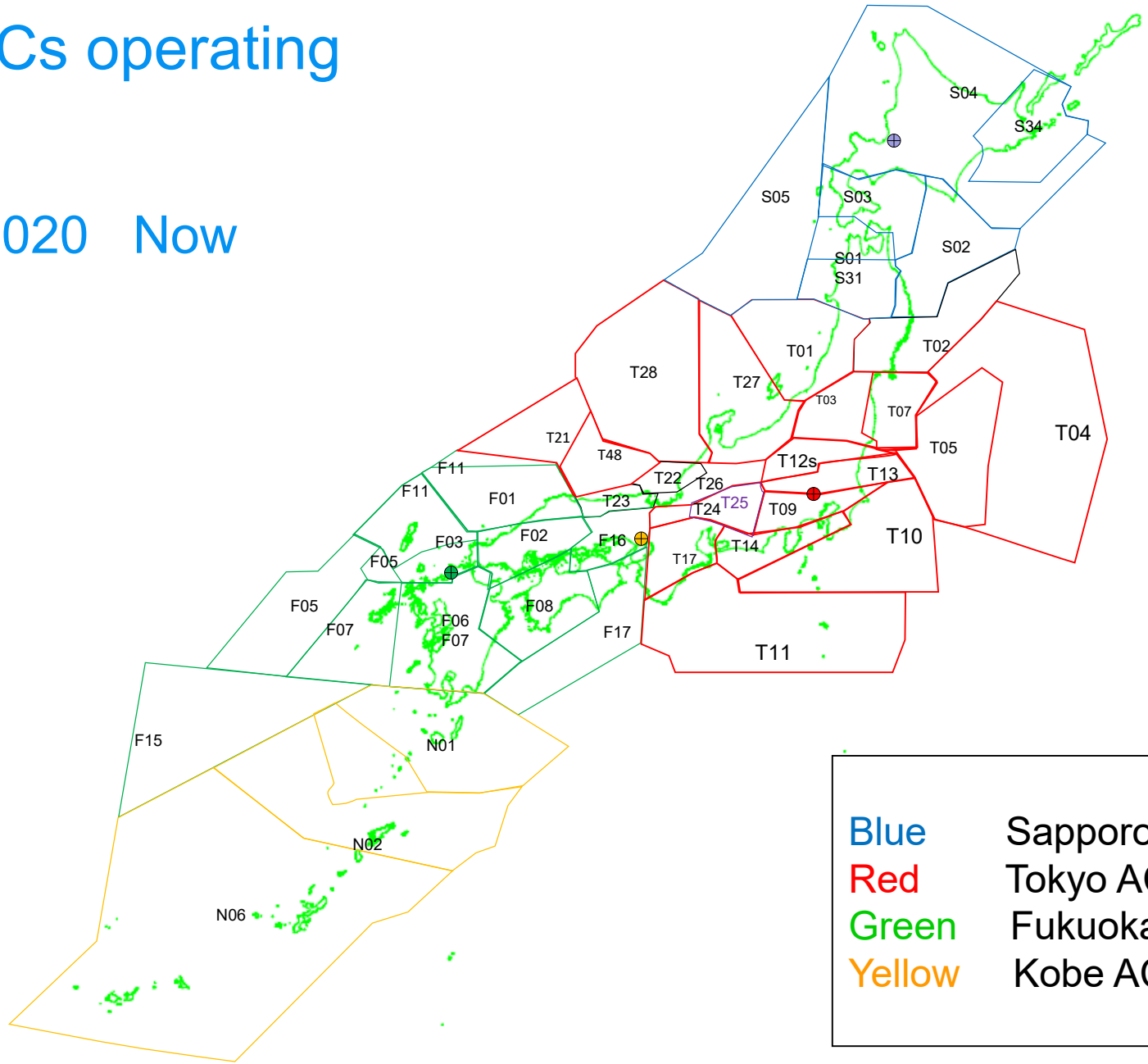
【approach control area】

We'll integrate multiple approach control areas, then we centralize the processing of aircraft climbing/arriving at nearby airports.

We will increase the number of aircraft that can handle air traffic control by improving the efficiency of air traffic control processing.

4 ACCs operating

Oct. 2020 Now



Blue	Sapporo ACC
Red	Tokyo ACC
Green	Fukuoka ACC
Yellow	Kobe ACC

Outline of restructuring of all

Purpose

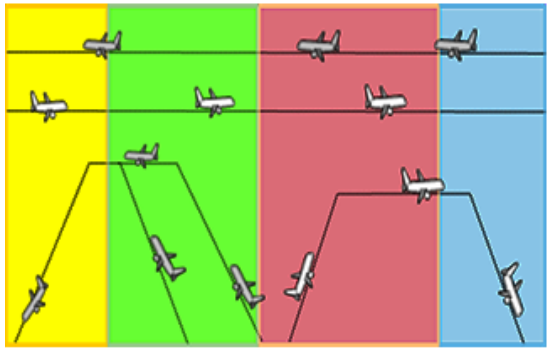
High sector mainly for cruise phase.

Low sector for departure / arrival and short distance flights.

Improving control efficiency will lead to increase the capacity.

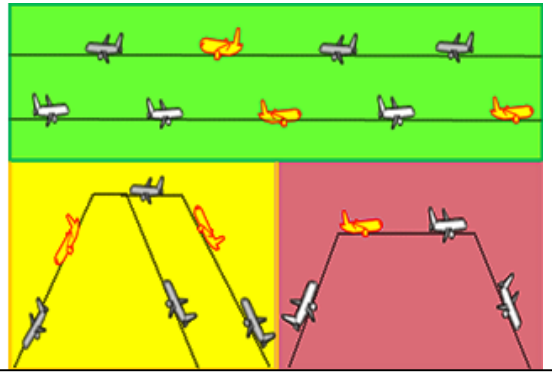
The number of comm transfer per flight is reduced.

Now 2020



4 ACCs	Blue	Sapporo ACC
	Red	Tokyo ACC
	Green	Fukuoka ACC
	Yellow	Kobe ACC

Completed 2025



FL335

3 ACCs	Red	Tokyo ACC
	Green	Fukuoka UAC
	Yellow	Kobe ACC

Progress of restructuring for West Japan

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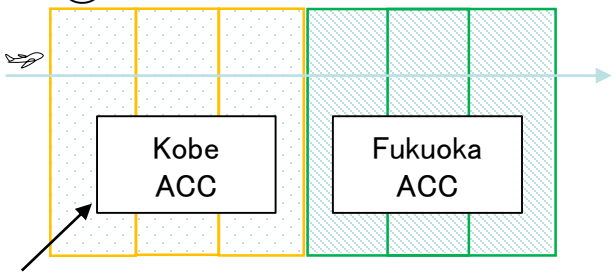
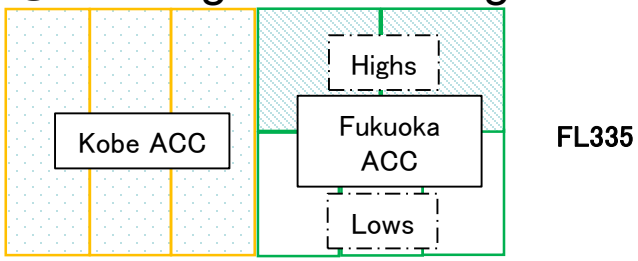
Kobe will be Low ACC, Fukuoka will be High ACC(UAC).

①Now

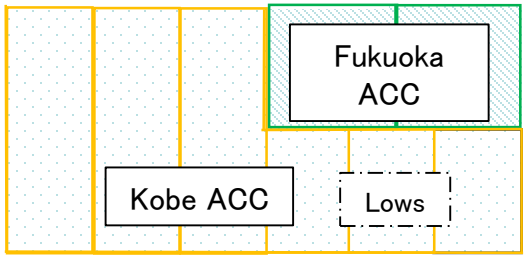


②Dividing Fukuoka High & Low



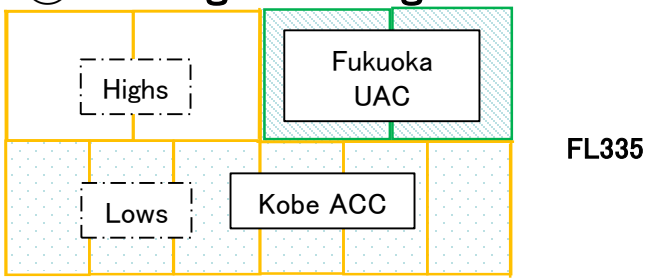
Nov. 2020

③Transfer Fukuoka Lows to KOBE



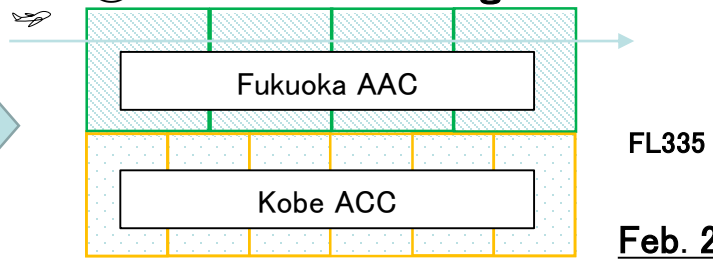
Jan&Feb. 2021

④Dividing Kobe High & Low



Dec. 2021

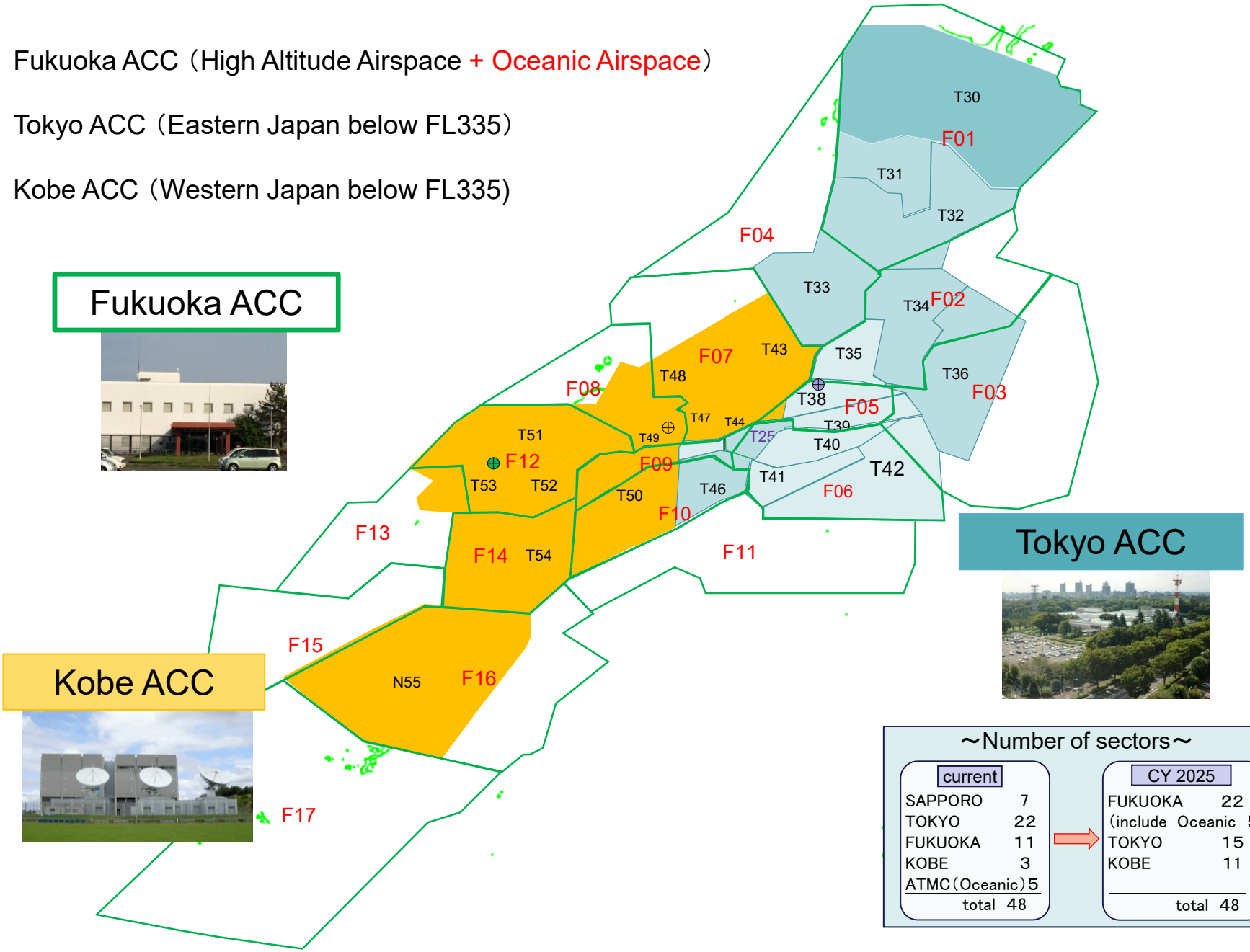
⑤Transfer Kobe Highs to Fukuoka



Feb. 2022

Sector Overview in 2025 : 48-Three Dimensional Sectors

1. Fukuoka ACC（High Altitude Airspace + Oceanic Airspace）
2. Tokyo ACC（Eastern Japan below FL335）
3. Kobe ACC（Western Japan below FL335）



～Number of sectors～

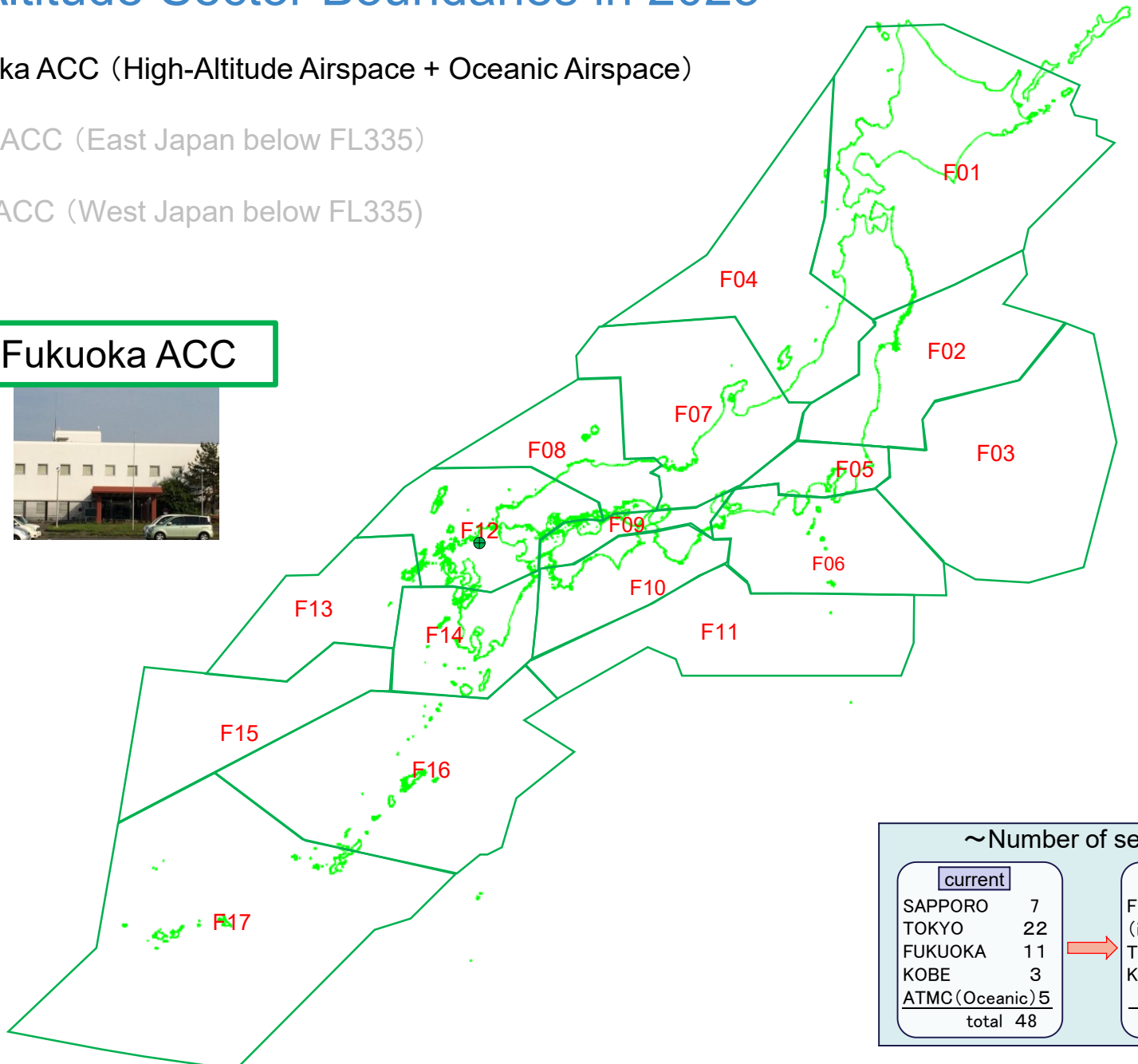
current	
SAPPORO	7
TOKYO	22
FUKUOKA	11
KOBE	3
ATMC（Oceanic）	5
total	48

CY 2025	
FUKUOKA	22
（include Oceanic	5）
TOKYO	15
KOBE	11
total	48

High-Altitude Sector Boundaries in 2025

1. Fukuoka ACC（High-Altitude Airspace + Oceanic Airspace）
2. Tokyo ACC（East Japan below FL335）
3. Kobe ACC（West Japan below FL335）

Fukuoka ACC



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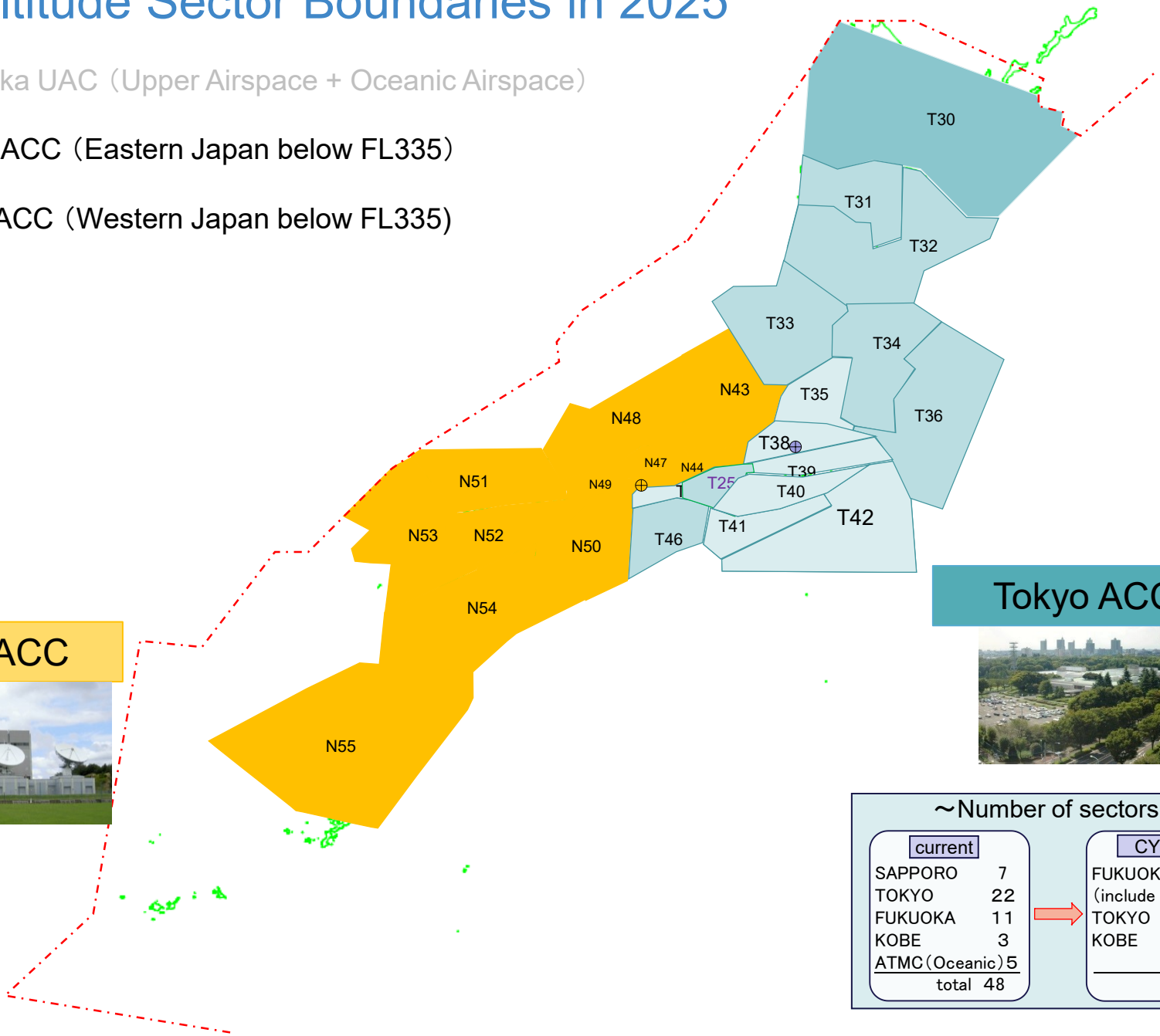
SAPPORO	7
TOKYO	22
FUKUOKA	11
KOBE	3
ATMC（Oceanic）	5
total	48

CY 2025	
FUKUOKA	22
（include Oceanic	5）
TOKYO	15
KOBE	11
total	48

Low-Altitude Sector Boundaries in 2025

1. Fukuoka UAC（Upper Airspace + Oceanic Airspace）
2. Tokyo ACC（Eastern Japan below FL335）
3. Kobe ACC（Western Japan below FL335)



Kobe ACC

Tokyo ACC

～Number of sectors～

current	
SAPPORO	7
TOKYO	22
FUKUOKA	11
KOBE	3
ATMC（Oceanic）	5
total	48

CY 2025	
FUKUOKA	22
（include Oceanic	5）
TOKYO	15
KOBE	11
total	48

Thank you.
Any questions?