

Update Japan' s Airspace Redesign Plan

Presented to

THE 48th MEETING OF INFORMAL PACIFIC ATC
CO-ORDINATING GROUP (IPACG/48)

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Overview

As scheduled, the domestic airspace in Japan will be gradually separated into upper and lower airspace beginning in 2020, and the reorganization is scheduled to be completed by March 2025.

【ACC:area control center】

We improve to divide the domestic controlled airspace (ACC) into upper and lower parts.

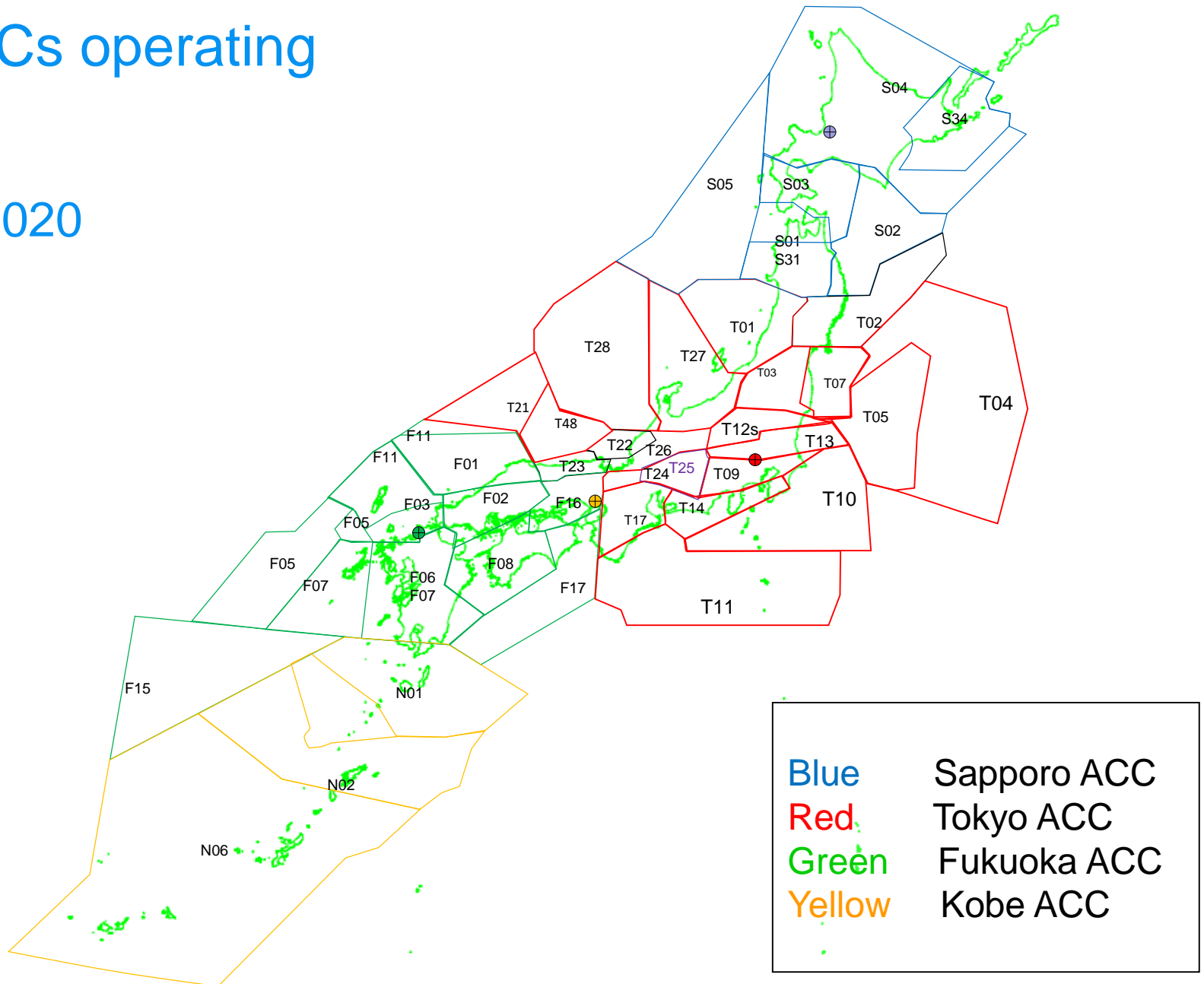
High altitude sector.....for cruise aircraft

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

Traffic volumes have now recovered to pre-COVID 19 levels and are expected to increase further.

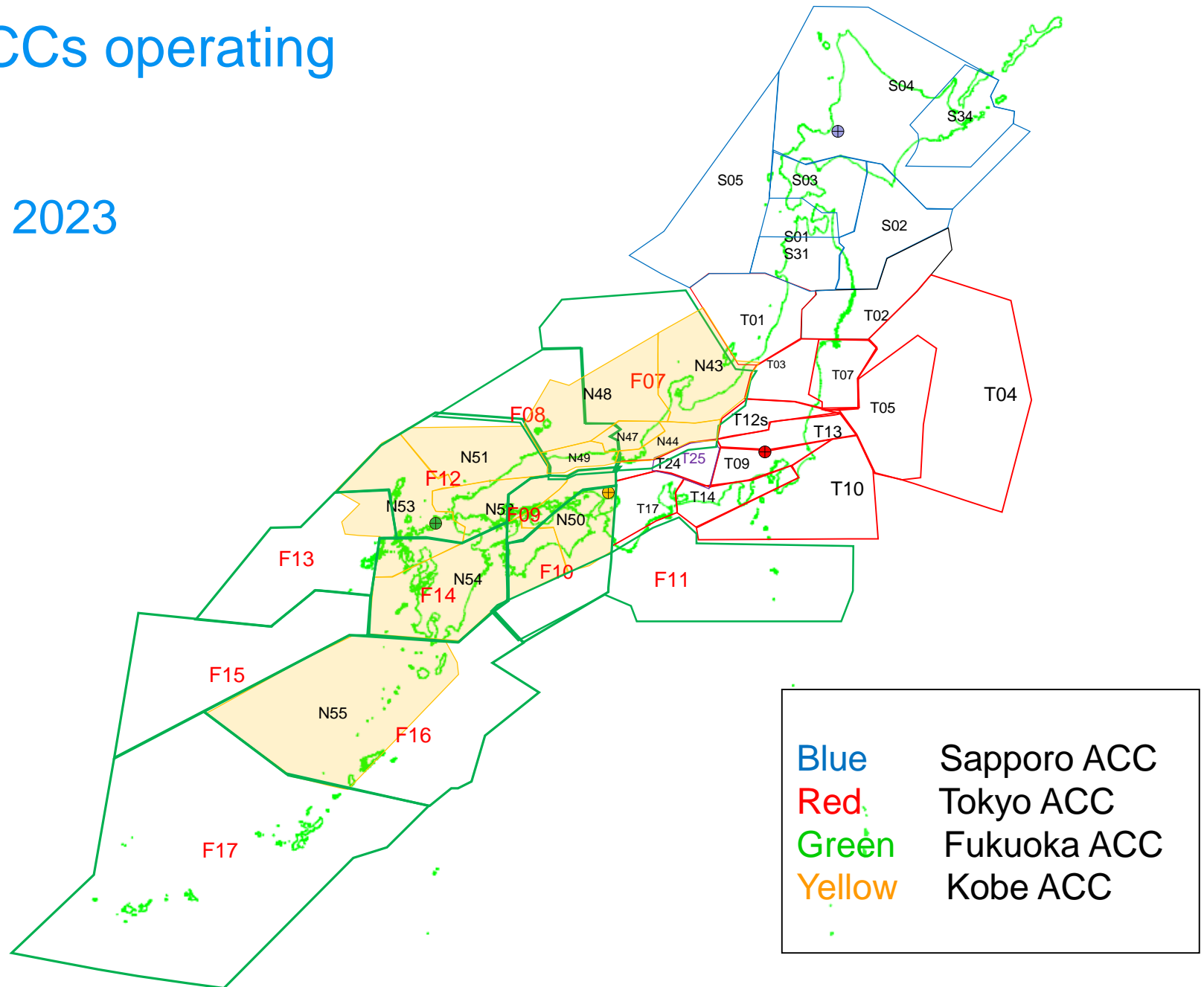
4 ACCs operating

Oct. 2020



4 ACCs operating

Sep. 2023



Purpose

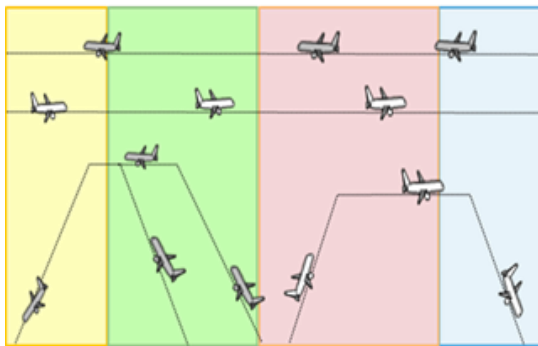
High sector mainly for cruise phase.

Low sector for departure / arrival and short distance flights.



Improving control efficiency will lead to increase the capacity.

2020



4 ACCs

Blue

Red

Green

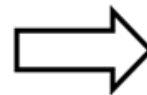
Yellow

Sapporo ACC

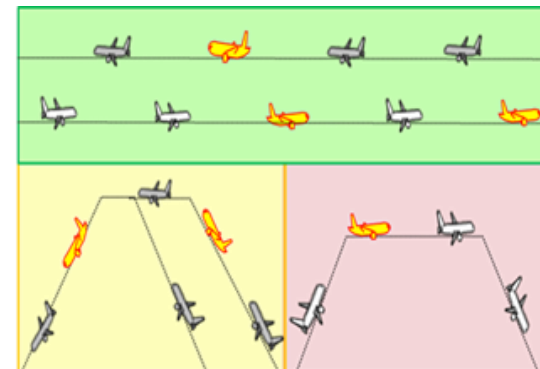
Tokyo ACC

Fukuoka ACC

Kobe ACC



Scheduled for 2025



FL335

3 ACCs

Red

Green

Yellow

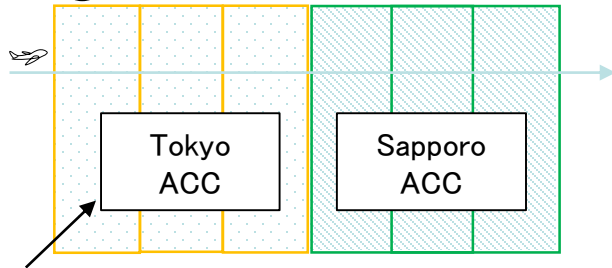
Tokyo ACC

Fukuoka UAC

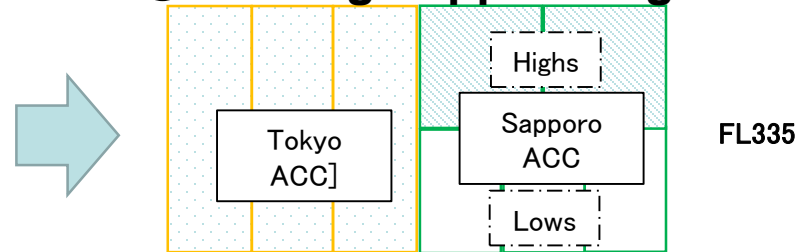
Kobe ACC

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

① Now

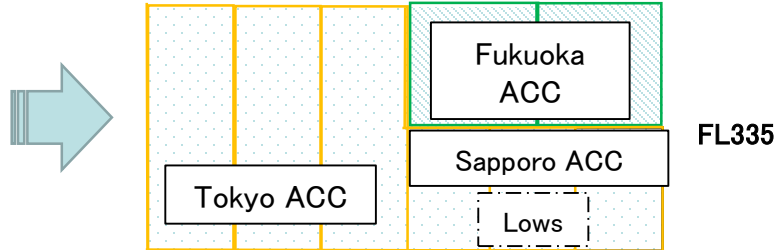


② Dividing Sapporo High & Low



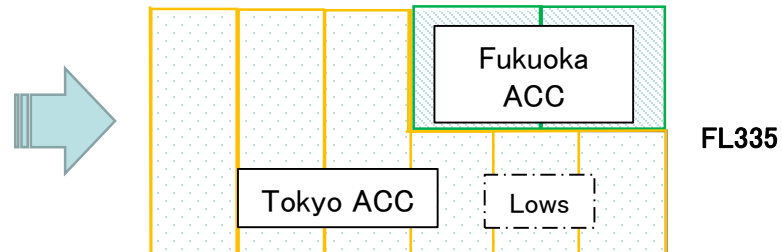
Mar. 2024

③ Transfer Sapporo Highs to Fukuoka



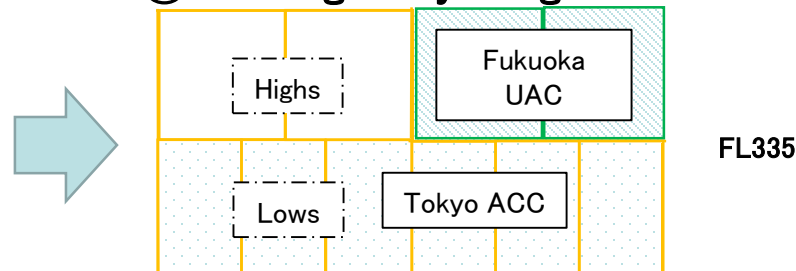
Jun. 2024

④ Transfer Sapporo Lows to Tokyo



Sep. 2024

⑤ Dividing Tokyo High & Low



Nov. 2024

⑥ Transfer Tokyo Highs to Fukuoka



Mar 2025

Final form of the domestic sector : 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)

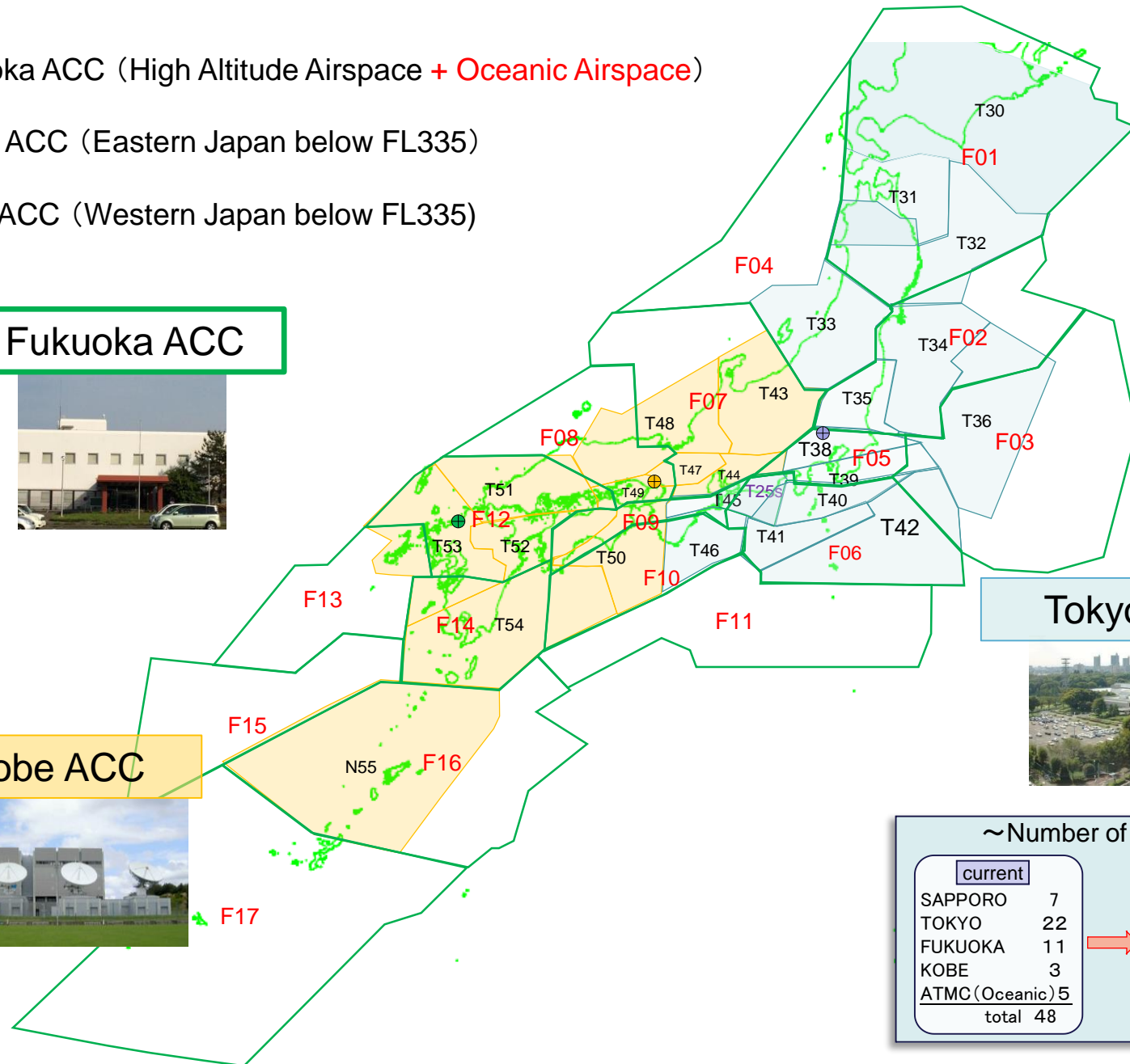
Fukuoka ACC



Kobe ACC



Tokyo ACC



~Number of sectors~

current

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

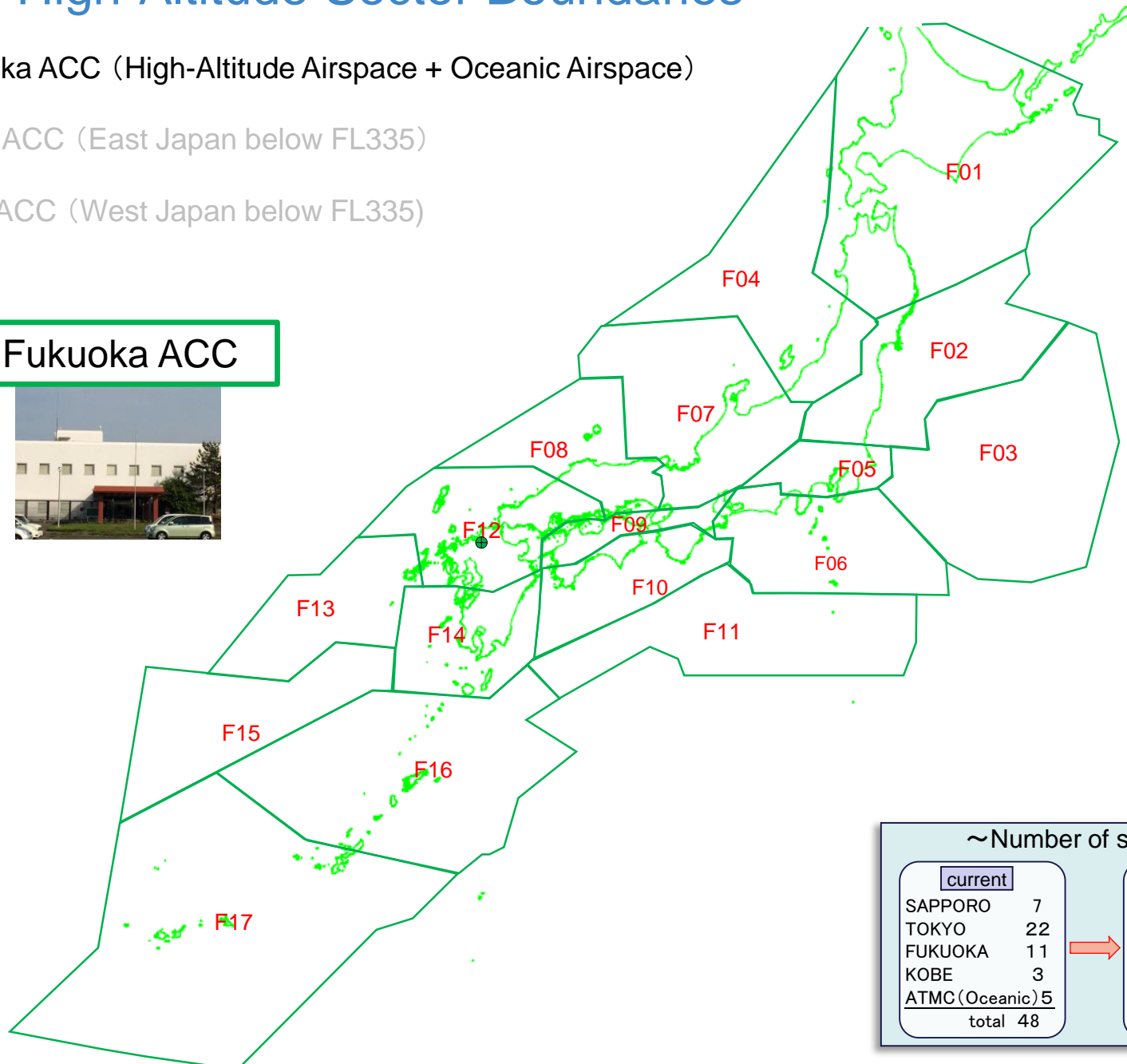
CY 2025

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

High-Altitude Sector Boundaries

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

Fukuoka ACC



~Number of sectors~

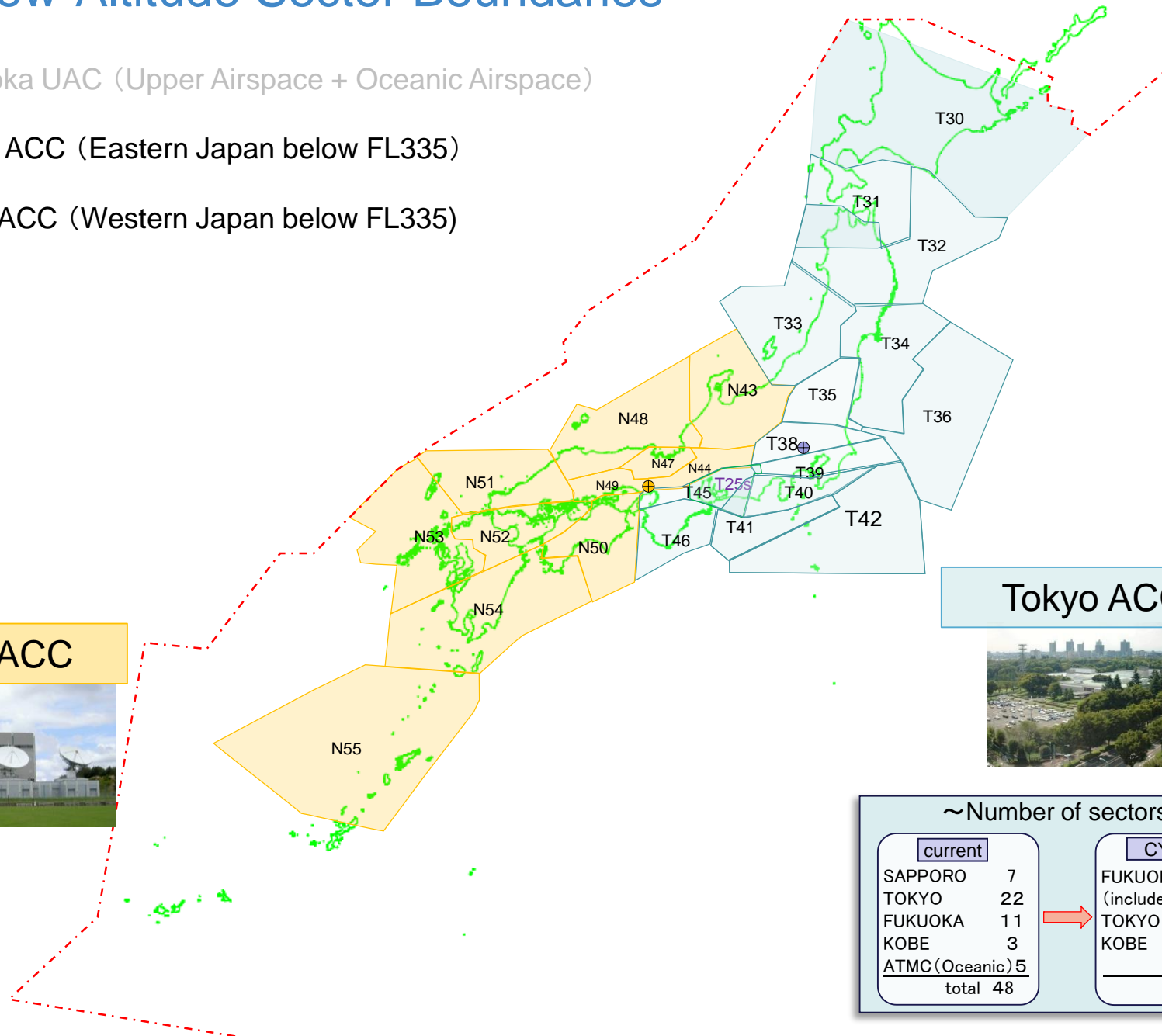
current	
SAPPORO	7
TOKYO	22
FUKUOKA	11
KOBE	3
ATMC(Oceanic)	5
total	48



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

Low-Altitude Sector Boundaries

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



Kobe ACC

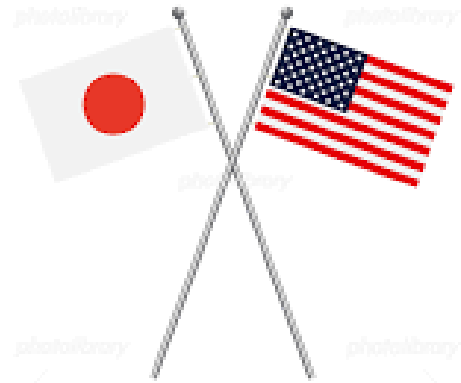


Tokyo ACC



~Number of sectors~

current		CY 2025
SAPPORO	7	FUKUOKA 22
TOKYO	22	(include Oceanic 5)
FUKUOKA	11	TOKYO 15
KOBE	3	KOBE 11
ATMC(Oceanic)	5	
total	48	total 48



Thank you.

Any questions?