Summary of Discussions
Forty-Ninth Meeting of the
Informal Pacific Air Traffic Control Coordinating Group
(IPACG/49)
Mita Kaigisho Conference Center - Tokyo, Japan
5 December 2024

- **Background**

  The Forty-ninth Meeting of the Informal Pacific Air Traffic Control Coordinating Group (IPACG/49) was held in person on December 5th, 2024, at the Mita Conference Center in Tokyo, Japan. IPACG is jointly sponsored by the Japan Civil Aviation Bureau (JCAB) and the United States Federal Aviation Administration (FAA).

- **Welcome and Opening Remarks**

  The meeting was co-chaired by Mr. Ahmad Usmani, Manager, Asia Pacific Group, Air Traffic International Office, Federal Aviation Administration (FAA) and Mr. Hisashi Fukuda, Special Assistant to the Director, Japan Civil Aviation Bureau (JCAB). The co-chairs welcomed the meeting participants and noted that they looked forward to a productive discussion.

- **Submitted Papers**

  The working and information papers presented to IPACG/49 were made available on the IPACG website for the meeting participants:

  [Informal Pacific ATC Coordinating Group (IPACG) | Federal Aviation Administration (faa.gov)](#)

- **AGENDA ITEM 1:   Review and Approve Agenda**

  The following agenda was proposed and adopted by the meeting:

AGENDA ITEM 1	Welcome and Introductions
AGENDA ITEM 2	Report on the Outcome of the Providers Meeting (PM/31)
AGENDA ITEM 3	Report on the Outcome of the FANS Interoperability Team Meeting (FIT/36)
AGENDA ITEM 4	Air Traffic Oceanic Facility Updates
AGENDA ITEM 5	Air Traffic Management (ATM) Issues
AGENDA ITEM 6	Communications/Navigation/Surveillance (CNS) Issues
AGENDA ITEM 7	Reports on Relevant Outcomes from Other Meetings
AGENDA ITEM 8	Other Business

- **AGENDA ITEM 2: Report on Outcomes from IPACG Providers' Meeting 31**
  The 31st Providers' Meeting took place on Tuesday December 3rd and resumed after the FIT and Plenary Meetings on Friday, December 6th. Summary of the significant topics discussed from the meeting:

  - During the Anchorage Center Facility Update, VDL-to-Satellite transition

Added to the official agenda, but did not produce any presentations during the meeting.
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issues were discussed. JCAB and FAA discussed the recent history of NOPAC Redesign issues, Seasonal traffic patterns and Data Link Network Outages.

- The FAA presented a paper on Data Link Network outages in the region. JCAB and the FAA discussed methods of traffic conflict resolution during extended data link outage durations. Both ANSPs expressed gratitude for mutual collaboration and support during network outages. JCAB and the FAA shared that they continue to work diligently with network providers to identify root causes and find solutions for the outages.

- JCAB and FAA discussed the impact of rocket launches in the Pacific. Oakland stated that they met with launch proponents prior to the launches to share the anticipated operational traffic impact data. The FAA noted that this opening a line of communication on this topic allowed both parties to tap in to underutilized airspace in the event of launch exercises in the region. The FAA stated that by showing the proponents alternative trajectories with lower impact, the situation has improved. The ANSPs suggested that invitation to launch proponents to attend future IPACG meetings could reduce the impact of launch operations in the airspace. FAA and JCAB agreed to continue discussion for the Plenary group regarding launch proponent's invitation to IPACG.

- The FAA shared a presentation on Global Navigation Satellite System (GNSS) Interference on Aircraft in oceanic airspace. This sparked discussion about the operational consequences of jamming and spoofing on aircraft avionics. Even after case resolution, the avionics impact has resulted in a need for both ANSPs to adjust separation minima applied to aircraft and transfer verbiage to notify the receiving ANSP of affected aircraft.

- The FAA delivered a presentation on upcoming enhancements to the FAA's ATOP oceanic ATC system. JCAB inquired into the future methodology of ATOP hazard information sharing. The FAA clarified that it will be shared by NOTAM.

- The FAA and JCAB discussed the progress of the NOPAC Redesign. They conversed about the challenges faced in their airspace during Phase Two of the Redesign. As previously mentioned, Data Link outages are of growing concern for Fukuoka, Anchorage, and Oakland operations. Therefore, the FAA and JCAB agreed to draft a new MOU for the NOPAC Redesign to clarify ATC contingency options and ensure the safety of the airspace in an event of an outage.

- **AGENDA ITEM 3: Report on the Outcome of the FANS Interoperability Team Meeting (FIT).**

  The meeting materials for all topics for FIT/36 were made available on the FAA IPACG website at: Informal Pacific ATC Coordinating Group (IPACG) | Federal Aviation Administration

- **AGENDA ITEM 4: Air Traffic Oceanic Facility Updates**

  The following presentation materials were made available on the IPACG website at: Informal Pacific ATC Coordinating Group (IPACG) | Federal Aviation Administration

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- **4a PPT/JCAB**   ATMC Update
- **4b PPT/FAA**   ZAN Facility Update
- **4c PPT/FAA**   ZOA Facility Update
- **4d***   IATA Update
- **4e***   IFALPA Update
- **4f***   IFATCA Update
- **4g WP/PPT**   Industry Updates
  - Kalitta Air and American Operators
  - Other Operators

Discussion: The ANSPs and Airlines discussed and compared usage rates of R220, M523 and the fixed routings exiting these airways. JCAB expressed that they understand the reasoning for heavy R220 usage and expressed gratitude to the operators for the effort to use M523. United Airlines echoed this sentiment towards JCAB for providing information and resources to encourage use of M523.

- **AGENDA ITEM 5: Air Traffic Management Issues**

  The following presentation materials were made available on the IPACG website at: Informal Pacific ATC Coordinating Group (IPACG) | Federal Aviation Administration
  - **5a WP/FAA/JCAB**   NOPAC Redesign Update
  - **5b IP/JCAB**   East Asia-Oceania UPR_JCAB Fukuoka
  - **5c IP/JCAB**   Start of trial of Offset Climb and Descent Procedure
  - **5d PPT/JCAB**   Report on Japan's Airspace Redesign Plan
  - **5e IP/JCAB**   The Outcome of Operational trial of the 23NM lateral separation minima
  - **5f IP/JCAB**   PATMIX Update
  - **5g FAA**   ATOP Improvements

Discussion: Various industry representatives expressed their gratitude to JCAB during their presentations for consideration in new UPR rules and guidance. JCAB and those attending from industry agreed to continue to work together to maximize safe and efficient airspace through increased information sharing.

- **AGENDA ITEM 6: Communications/Navigation/Surveillance (CNS) Issues**
  - **6a IP/FAA**   GPS Spoofing and Jamming
  - **6b IP/FAA**   SATVOICE Trial

- **AGENDA ITEM 7: Reports on Relevant Outcomes from Other Meetings**

Presentation material for the VOLPAC Exercise Debrief has been made available on the IPACG website at: Informal Pacific ATC Coordinating Group (IPACG) | Federal Aviation Administration

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- **7a PPT/FAA**   VOLPAC25 Update
- **7b PPT/FAA**   QVA Briefing

11.   AGENDA ITEM 8: Other Business

Plenary Action Item Review:
The following open Action Items were discussed and updated as follows:

Action Item #	Briefing Name and Description	Responsible Office	Action to be taken	Status
IPACG 47-1	Oakland Center Update-Slide 18	FAA/JCAB	Extension of UPR NOTAMs beyond 2/24 with 72 hours' notice to operators. ATMC and Oakland to coordinate for publishing updated NOTAM.	Dec 2025: Oakland stated the root cause has been addressed and the action was marked as *completed.*
IPACG 47-2	ADS-C CDP Implementation in Fukuoka FIR [IP04/JCAB]	JCAB	Provide updated version of briefing with AIP supplement. As soon as possible, post on IPACG website.	Dec 2025: JCAB stated that full operation has begun and marked this action as *complete.*
IPACG 47-3	NOPAC Redesign [WP01/FAA/JCAB]	FAA/JCAB	Discuss procedures for NOPAC redesign for handling Turbulence descents, Equipment Failures (RNP4/PBCS) and ferry flights in PM. Develop planned procedures and provide update to IPACG/48.	Dec 2025: ZAN marked this action as *complete.* Turbulence forwarding, Ferry flights, and RNP4 may be requested on a case-by-case basis.
IPACG 47-4	Phased Reduction of PACOTS [IP03/United Airlines]	FAA	Coordinate with operators to supply Eastbound North America UPR data for Track 2. FAA to share data with JCAB.	Dec 2025: item marked as *in-progress,* as is the FAA and JCAB are still looking at making track 3 and F optional.

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IPACG 47-5	Phased Reduction of PACOTS [IP03/United Airlines]	FAA/JCAB	Conduct Study to determine which PACOTS will be necessary to publish daily. Coordinate Tracks that will be made optional with IATA for validation. Provide update to Operators no later than IPACG/48.	Dec 2025: This action was marked *completed*, as a new related item 48-3 was opened.
IPACG 48-1	Consider Preferred Routes Suggestion from Atlas Air	FAA/JCAB	FAA and JCAB to consider Atlas Air's suggestion to tell air carriers where not to fly instead of where to fly (Preferred Routes). FAA to request ATLAS Air to provide some example – Nov 30.	Dec 2025: This action was marked as *in-progress,* and the FAA will take action to discuss the matter with appropriate offices at HQ.
IPACG 48-2	Consider and Coordinate Interim Meeting	FAA/JCAB/Operators	IPACG Co-Chairs to consider Atlas Air's Request for a Mini-FIT or interval discussion to receive relevant data sooner (re: discussion on Preferred routes)	Dec 2025: A virtual FIT and Plenary was held, and the group found the mid-year check-in to be beneficial. This action was *completed*, as Interim FIT and Plenary meetings were planned and occurred in July 2024.
IPACG 48-3	IATA to provide UPR Survey result to ZOA	IATA		Dec 2025: The IATA representative was unable to attend the meeting due to last minute conflict. This item was marked as *in-progress* during IPACG/49

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				and will be moved to IPACG/50 for follow-up.

The following action items were opened during IPACG Plenary/49:

ACTION ITEM-1: IPACG Members to discuss the results of the virtual IPACG meetings held in Spring 2024. Use results of the conversation to adjust meeting format moving forward.

  Status: Members of the group suggested consolidation of the Virtual FIT and Virtual Plenary. The results were useful to the operators and providers, but only one meeting is necessary due to the topical overlap.

ACTION ITEM-2: Operators to contact ZOA and ZAN directly to collect past ITP request data that are airline specific.

  Status: Atlas Air requested data from ZOA during IPACG/49. International operations manager, Greg Kalla, will respond by the next Interim IPACG meeting with the requested data.

11.2   Next Meeting
The next Plenary meeting will be held in the United States, dates to be determined.

11.3   Closing Remarks:
Mr. Hisashi Fukuda thanked everyone for coming to Tokyo and expressed his appreciation to everyone who was able to join in person. Mr. Ahmad Usmani echoed the same message and hoped to see everyone in the United States for the next IPACG meeting.

- **Meeting Participants**

No.	Company/Organization	Name
1	Federal Aviation Administration	Ahmad Usmani
2		Gregory Kalla
3		Steve Pinkerton
4		Tyler Blackwell
5		John Roman
6		Dennis Addison
7		Alexandra Costanza
8		Paul Devoti
9		Larry Arima
10	Collins Aerospace, SF Communications Center	Gombatista Jumper Leggio
11	Civil Aviation Bureau JAPAN	Hisashi Fukuda
12		Hajime Aoto
13		Miho Itoh
14		Toshihiro Yone
15		Masahide Harasawa
16		Yoshinori Fujita
17		Nana Keishima
18		Adrienne Johnson Krunich
19		Eiziro Sunouchi
20		Yohei Itoh
21		Nanami Fukao
22		Hanae Noda

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23		Katsutoshi Saika
24		Masahiro Saito
25		Yuya Tanoue
26		Hiromi Kaneko
27		Keiji Yokomizo
28	Electronic Navigation Research Institute Air Traffic Management Department	Mr. Mark Brown
29		Ms. Hiroko Hirabayashi
30	18th Wing/Department of Defense	Mr. Christopher Dong
31	Air Canada	Mr. Mark Hebert
32	American Airlines	Mr. Wayne Snyder
33		Mr. Stephen Smith**
34		Mr. Lee Roper**
35		Mr. Michael Fahmer
36	All Nippon Airways Corporate Safety	Mr. Max Matsumoto
37	ANA	Mr. Masahiro Miwa
38		Ms. Ayana Ezoe
39		Mr. Junji Inoue
40		Mr. Daisuke Takaki
41		Ms. Ayane Shinojima
42		Mr. Yuta Araki
43	Atlas Air	Mr. Brett Jones
44	Cathay Pacific Airways	Ms. Lori Shaw**
45		Mr. Arthur Chun Hei Wong

No.	Company/Organization	Name
46	China Airlines	Mr. Cheng Peng
47		Mr. Chao-Feng Chen
48		Mr. Chi-Tnag Chen
49		Mr. Yi-Fan Sung
50	Delta Air Lines	Mr. Robert Oberstar**
51	EVA Airways	Mr. Pohsun Chen
52	Fedex	Mr. Justin Lonie
53		Ms. Krisin Beasley
54	Finnair	Mr. Riku Kovakka
55	JAL	Mr. Masayoshi Nakata
56		Mr. Yasuhiro Wada
57		Mr. Yu Yokoyama
58		Mr. Yuta Watari
59		Ms. Sachie Ito
60		Mr. Makoto Fujino
61		Mr. Hirohisa Takahama
62	Kalitta Air	Mr. Arthur Denys
63		Mr. Arvin Sierra
64		Mr. Aaron Jacob Hapin
65	Nippon Cargo Airlines	Mr. Daisuke Matsuo
66		Mr. Masayuki Kurota
67		Ms. Junko Kitada
68		Mr. Takashi Komatsu
69		Mr. Hironori Shimauchi
70	IATA	Mr. Blair Cowels**
71	IFALPA	Mr. William Bartles
72	IFALP (ALPA Japan)	Mr. Tsuyoshi Yamaguchi
73		Mr. Tsutomu Mizozoe
74		Mr. Yuji Ushikusa
75	IFATCA	Ms. Yen-Chun Cheryl Chen

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76	Quantas	Mr. Daniel Smith
77	United Airlines	Mr. Eugene Cameron
78		Mr. Gen Schnee
79		Ms. Megan Yuan Yin
80	The Boeing Company	Mr. Chris Jirucha
81		Mr. Noah Inahara
82	NEC Corporation	Mr. Satoshi Izumisawa
83		Ms. Mika Okuda
84	NTT DATA JAPAN Corporation	Mr. Ryuichi Tsuchiya
85		Mr. Takshi Narioka
86		Mr. Kiyoto Oshio
87		Mr. Shinya Mizuno
88		Mr. Motohiro Kaneko
89	Viasat	Ms. Lisa Bee
90	Interupter	Ms. Reiko Kurachi

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Mr. Ahmad Usmani
Co-chair for FAA

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Mr. Hisashi Fukuda
Co-chair for JCAB

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