



# Meeting Agenda

## Regular Meeting

Meeting No. 342  
**Wednesday, February 1, 2023 - 7:00 p.m.**  
**\*BY VIDEO CONFERENCE ONLY\***  
Please click the link below to join the webinar:  
<https://smcgov.zoom.us/j/99504028352>  
Or Dial in:  
US: +1(669)900-6833 Webinar ID: 995 0402 8352

Note: To arrange an accommodation under the Americans with Disabilities Act to participate in this public meeting, please call (650) 363-4220 at least 2 days before the meeting date.

### **PUBLIC PARTICIPATION:**

List of attendees (using zoom sign-in credentials) will be displayed periodically throughout the meeting.

Written public comments can be emailed to [amontescardenas@smcgov.org](mailto:amontescardenas@smcgov.org), and should include specific agenda item to which you are commenting. Spoken public comments will also be accepted on Items NOT on the Agenda, before adoption of Consent Agenda, and Regular Agenda during the meeting.

\*\*Please see instructions for written and spoken comments at the end of this agenda.

### **AGENDA**

#### Call to Order / Roll Call / Declaration of a Quorum Present

Sam Hindi, Roundtable Chairperson

#### Public Comment on Items NOT on the Agenda

Speakers are limited to two minutes. Roundtable members cannot discuss or take action on any matter raised under this item.

#### Action to set Agenda and to Approve Consent Items

Sam Hindi, Roundtable Chairperson

### **CONSENT AGENDA**

All items on the Consent Agenda are approved/accepted in one motion. A Roundtable Representative can make a request, prior to action on the Consent Agenda, to transfer a Consent Agenda item to the Regular Agenda. Any items on the Regular Agenda may be transferred on the Consent Agenda in a similar manner. Public Comment is received prior to approval of the Consent Agenda.

#### 1. Approval of Draft Minutes

##### a. December 7, 2022 Regular Meeting

pg. 8



- 2. Airport Director's Reports
  - a. November 2022 pg. 12
  - b. December 2022 pg. 18
- 3. Approval of Resolution 23-01: Findings Allowing Continued Remote Meetings Under Brown Act pg. 24
- 4. FY22-23 Q2 Budget v. Actuals pg. 29

**REGULAR AGENDA**

Public Comment received on Regular Agenda items prior to action.

- 5. **ACTION:** Election of Roundtable Chairperson for Calendar Year 2023  
Sam Hindi, Roundtable Chairperson
- 6. **ACTION:** Election of Roundtable Vice-Chairperson for Calendar Year 2023  
Roundtable Chairperson
- 7. **ACTION:** Approval of Resolution 23-02: Designating Regular Roundtable Meeting Dates, Time & Place for Calendar Year 2023 pg. 30  
Roundtable Chairperson  
Attachment: Memo & Resolution
- 8. **ACTION:** Subcommittee Assignments/Meeting Frequency pg. 33  
Roundtable Chairperson  
Attachment: Subcommittee Descriptions and 2023 Potential Meeting Dates
  - a. Ground-Based Noise
  - b. Legislative
  - c. Technical Working Group
  - d. Work Program
  - e. Ad-Hoc Portable Noise Monitor Placement

**PRESENTATIONS**

Public Comment on Presentation items will be taken after the last item under presentations.

- 9. Chairman's Update  
Roundtable Chairperson
- 10. Airport Director Update  
Ivar Satero, Airport Director
  - a. Noise Office Update  
Bert Ganoung, Aircraft Noise Office Manager
  - b. Initial Feedback on SFO Roundtable Suggested GLS Procedures pg. 37  
Paul Hannah, Consultant Chief Airspace and Flight Operations Engineer, SFO  
Attachment: SFO GBAS & GLS Procedures Presentation

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### 11. Subcommittee Updates

a. [Technical Working Group Meeting of January 17, 2023](#)

Sam Hindi, Subcommittee Chairperson

b. Ground-Based Noise Subcommittee

Ann Schneider, Subcommittee Chairperson

c. Legislative Subcommittee

Al Royse, Subcommittee Chairperson

### **MEETING CLOSURE**

### 12. Member Communications / Announcements

Roundtable Members and Staff

### 13. Adjourn

Roundtable Chairperson

### Information Only

i. HMMH FAA IFP Information Gateway Review – December 2022 & January 2023

pg. 46

### **\*\*Instructions for Public Comment during Videoconference Meeting**

During videoconference meetings of the SFO Airport/Community Roundtable, members of the public may address the Roundtable as follows:

#### **Written Comments:**

Written public comments may be emailed in advance of the meeting. Please read the following instructions carefully:

1. Your written comment should be emailed to [amontescardenas@smcgov.org](mailto:amontescardenas@smcgov.org)
2. Your email should include the specific agenda item on which you are commenting.
3. Members of the public are limited to one comment per agenda item.
4. The length of the emailed comment should be commensurate with two minutes customarily allowed for verbal comments, which is approximately 250-300 words.
5. If your emailed comment is received by 7:00 pm on the day before the meeting, it will be provided to the Roundtable and made publicly available on the agenda website under the specific item to which comment pertains. The Roundtable will make every effort to read emails received after that time but cannot guarantee such emails will be read during the meeting, although such emails will still be included in the administrative record.

#### **Spoken Comments:**

Spoken public comments will be accepted during the ZOOM meeting at the following times: a) Items NOT on the Agenda; b) On Consent Calendar Agenda; c) after each Regular Agenda Items; and d) at the end of all Presentations. Please read the following instructions carefully:

1. The February 1, 2023 SFO Roundtable regular meeting may be accessed through Zoom online at <https://smcgov.zoom.us/j/99504028352>. The meeting ID: 995 0402 8352. The meeting may also be accessed via telephone by dialing in +1-669-900-6833, entering meeting ID: 995 0402 8352, then press #.
2. You may download the Zoom client or connect to the meeting using the internet browser. If you are using your browser, make sure you are using current, up-to-date browser: Chrome 30+, Firefox 27+, Microsoft Edge 12+, Safari 7+. Certain functionality may be disabled in older browsers including Internet Explorer.

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3. You will be asked to enter an email address and name. We request that you identify yourself by name as this will be visible online and will be used to notify you that it is your turn to speak.
4. When the Roundtable Chairperson calls for the item on which you wish you speak click on “raise-hand” icon. You will then be called on and unmuted to speak.
5. When called, please limit your remarks to the time limit allotted.

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**Note:** Public records that relate to any item on the open session Agenda (Consent and Regular Agendas) for a Regular Airport/Community Roundtable Meeting are available for public inspection. Those records that are distributed less than 72 hours prior to a Regular Meeting are available for public inspection at the same time they are distributed to all Roundtable Members, or a majority of the Members of the Roundtable. The Roundtable has designated the San Mateo County Planning & Building Department, at 455 County Center, 2nd Floor Redwood City, California 94063, for the purpose of making those public records available for inspection. The documents are also available on the Roundtable website at: [www.sforoundtable.org](http://www.sforoundtable.org).



# Welcome

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The Airport/Community Roundtable is a voluntary committee that provides a public forum to address community noise issues related to aircraft operations at San Francisco International Airport. The Roundtable encourages orderly public participation and has established the following procedure to help you, if you wish to present comments to the committee at this meeting via Zoom.

- You may email your comments ahead of time to [amontescardenas@smcgov.org](mailto:amontescardenas@smcgov.org).
- To speak during the meeting you may use "raise-hand" feature through Zoom.
- The Roundtable Secretary will call your name; please state where you calling from to present your comments. Full instructions in agenda below.

The Roundtable may receive several speaker requests on more than one Agenda item; therefore, each speaker is limited to two (2) minutes to present his/her comments on any Agenda item unless given more time by the Roundtable Chairperson. The Roundtable meetings are recorded. Video file of meeting will posted to website once available. Please contact the Roundtable Coordinator for any request.

Roundtable Meetings are accessible to people with disabilities. Individuals who need special assistance or a disability-related modification or accommodation to participate in this meeting, or who have a disability and wish to request an alternative format for the Agenda, Meeting Notice, Meeting Packet, or other writings that may be distributed at the meeting, should contact the Roundtable Coordinator at least two (2) working days before the meeting at the phone or e-mail listed below. Notification in advance of the meeting will enable Roundtable staff to make reasonable arrangements to ensure accessibility to this meeting.



# About the Roundtable

The Airport/Community Roundtable was established in May 1981, by a Memorandum of Understanding (MOU), to address noise impacts related to aircraft operations at San Francisco International Airport (SFO). The Airport is owned and operated by the City and County of San Francisco, but it is located entirely within San Mateo County. This voluntary committee consists of 24 appointed and elected officials from the City and County of San Francisco, the County of San Mateo, and several cities in San Mateo County (see attached Membership Roster). It provides a forum for the public to address local elected officials, Airport management, FAA staff, and airline representatives, regarding aircraft noise issues. The committee monitors a performance-based aircraft noise mitigation program, as implemented by Airport staff, interprets community concerns, and attempts to achieve additional noise mitigation through a cooperative sharing of authority brought forth by the airline industry, the FAA, Airport management, and local government officials. The Roundtable adopts an annual Work Program to address key issues. In 2023, the Roundtable is scheduled to meet on the first Wednesday of the following months: February, April, June, August, October and December. Regular Meetings are held on the first Wednesday of the designated month at 7:00 p.m. at the **David Chetcuti Community Room at Millbrae City Hall, 450 Poplar Avenue, Millbrae, California** unless noted. **As of March 2020 all meetings are held virtually via Zoom due to COVID-19 and expected to be back in-peron after February 28, 2023.** Special Meetings and workshops are held as needed. The members of the public are encouraged to attend the meetings and workshops to express their concerns and learn about airport/aircraft noise and operations.

## POLICY STATEMENT

The Airport/Community Roundtable reaffirms and memorializes its longstanding policy regarding the “shifting” of aircraft-generated noise, related to aircraft operations at San Francisco International Airport, as follows:

**“The Airport/Community Roundtable members, as a group, when considering and taking actions to mitigate noise, will not knowingly or deliberately support, encourage, or adopt actions, rules, regulations or policies, that result in the “shifting” of aircraft noise from one community to another, when related to aircraft operations at San Francisco International Airport.”**

*(Source: Roundtable Resolution No. 93-01)*

## FEDERAL PREEMPTION, RE: AIRCRAFT FLIGHT PATTERNS

The authority to regulate flight patterns of aircraft is vested exclusively in the Federal Aviation Administration (FAA). Federal law provides that:

**“No state or political subdivision thereof and no interstate agency or other political agency of two or more states shall enact or enforce any law, rule, regulation, standard, or other provision having the force and effect of law, relating to rates, routes, or services of any air carrier having authority under subchapter IV of this chapter to provide air transportation.”**

*(Source: 49 U.S.C. A. Section 1302(a)(1)).*



# Member Roster

January 2023

**CITY AND COUNTY OF SAN FRANCISCO  
BOARD OF SUPERVISORS**  
Ahsha Safai

**CITY AND COUNTY OF SAN FRANCISCO MAYOR'S  
OFFICE**  
Alexandra Sweet, (Appointed)

**CITY AND COUNTY OF SAN FRANCISCO AIRPORT  
COMMISSION REPRESENTATIVE**  
Ivar Satero, Airport Director (Appointed)  
Alternate: Doug Yakel, Public Information Officer

**COUNTY OF SAN MATEO  
BOARD OF SUPERVISORS**  
Dave Pine  
Alternate: Warren Slocum

**CITY/COUNTY ASSOCIATION OF GOVERNMENTS  
AIRPORT LAND USE COMMITTEE (ALUC)**  
Carol Ford (Appointed)

**TOWN OF ATHERTON**  
Stacy Holland  
Alternate: Diana Hawkins-Manelian

**CITY OF BELMONT**  
Robin Pang-Maganaris  
Alternate: Davina Hurt

**CITY OF BRISBANE**  
Terry O'Connell  
Alternate: Madison Davis

**CITY OF BURLINGAME**  
Ricardo Ortiz  
Alternate: Peter Stevenson

**TOWN OF COLMA**  
John Goodwin  
Alternate: Joanne del Rosario

**CITY OF DALY CITY**  
Pamela DiGiovanni  
Alternate: Rod Daus-Magbual

**CITY OF EAST PALO ALTO**  
Vacant  
Alternate: Antonio Lopez

**CITY OF FOSTER CITY**  
Sam Hindi  
Alternate: Jon Froomin

**CITY OF HALF MOON BAY**  
Harvey Rarback  
Alternate: Deborah Ruddock

**TOWN OF HILLSBOROUGH**  
Alvin Royse  
Alternate: Christine Krolik

**CITY OF MENLO PARK**  
Cecilia Taylor  
Alternate: Jen Wolosin

**CITY OF MILLBRAE**  
Ann Schneider  
Alternate: Angelina Cahalan

**CITY OF PACIFICA**  
Christine Boles  
Alternate: Sue Vaterlaus

**TOWN OF PORTOLA VALLEY**  
Jeff Aalfs  
Alternate: Craig Hughes

**CITY OF REDWOOD CITY**  
Alicia Aguirre  
Alternate: Elmer Martinez Saballos

**CITY OF SAN BRUNO**  
Sandy Alvarez  
Alternate: Tom Hamilton

**CITY OF SAN CARLOS**  
Pranita Venkatesh  
Alternate: John Dugan

**CITY OF SAN MATEO**  
Rob Newsom  
Alternate: Lisa Diaz Nash

**CITY OF SOUTH SAN FRANCISCO**  
Mark Addiego  
Alternate: Mark Nagales

**TOWN OF WOODSIDE**  
Paul Goeld  
Alternate: Vacant

## ROUNDTABLE ADVISORY MEMBERS

**AIRLINES/FLIGHT OPERATIONS**  
Chief Pilot Lawrence Ellis, United Airlines

**FEDERAL AVIATION ADMINISTRATION**  
Erik Amend, Acting Regional Administrator  
Faviola Garcia, Deputy Regional Administrator  
Alana Jaress, Community Engagement Officer  
Joseph Bert, Team Manager, Western Service Center

**ROUNDTABLE STAFF**  
Kathleen Wentworth, Roundtable Coordinator  
Angela Montes, Roundtable Administrative Secretary  
Gene Reindel, Technical Consultant (HMMH)

**SFO AIRPORT NOISE OFFICE STAFF**  
Nupur Sinha, Director of Planning & Environmental Affairs  
Bert Ganoung, Aircraft Noise Office Manager

## **SFO Airport/Community Roundtable**

Meeting No. 341 Minutes  
Wednesday, December 7, 2022

### **Call to Order / Roll Call / Declaration of a Quorum Present**

Roundtable Chairperson, Sam Hindi, called the Regular Meeting of the SFO Airport/Community Roundtable to order, at approximately 7:00 p.m., via teleconference. Roundtable Coordinator, Kathleen Wentworth called the roll. A quorum (at least 13 Regular Members) was present as follows:

#### REGULAR MEMBERS PRESENT

Ivar Satero – City and County of San Francisco Airport Commission  
 Dave Pine – County of San Mateo Board of Supervisors  
 Carol Ford – C/CAG Airport Land Use Committee (ALUC)  
 Ricardo Ortiz – City of Burlingame *joined at 7:20pm*  
 John Goodwin – Town of Colma  
 Pamela DiGiovanni – City of Daly City  
 Antonio Lopez – City of East Palo Alto *joined at 8:00pm*  
 Sam Hindi – City of Foster City  
 Harvey Rarback – City of Half Moon Bay  
 Al Royse – Town of Hillsborough (audio issues)  
 Cecilia Taylor – City of Menlo Park  
 Ann Schneider – City of Millbrae  
 Mike O'Neill – City of Pacifica  
 Jeff Gee – City of Redwood City  
 Tom Hamilton – City of San Bruno  
 Mark Addiego – City of South San Francisco

#### REGULAR MEMBERS ABSENT

City and County of San Francisco Board of Supervisors  
 City and County of San Francisco Mayor's Office  
 Town of Atherton  
 City of Belmont  
 City of Brisbane  
 Town of Portola Valley  
 City of San Carlos  
 City of San Mateo  
 Town of Woodside

#### ROUNDTABLE STAFF

Kathleen Wentworth – Roundtable Coordinator  
 Eugene Reindel – Roundtable Technical Consultant (HMMH)  
 Lisa Aozasa – County of San Mateo, Planning & Building, Deputy Director  
 Angela Montes Cardenas – Roundtable Administrative Secretary

#### ADDITIONAL ATTENDEES PRESENT

Linda Wolin – Senior Legislative Aide to Supervisor Dave Pine  
 Brian Perkins – Senior Policy Advisor to Congresswoman Jackie Speier

#### SAN FRANCISCO INTERNATIONAL AIRPORT STAFF

Bert Ganoung – Noise Office Manager  
 Doug Yakel – Chief Information Officer



Paul Hannah – Consultant Chief Airspace and Flight Operations Engineer  
Christian Valdes – Senior Managing Consultant

**FAA STAFF**

Carlette Young – Acting Supervisory Senior Advisor

**Public Comments for Items NOT on the Agenda (00:07:00)**

Ms. Montes shared a list of attendees. Chairman Hindi opened public comments.

Jennifer Landesmann from Palo Alto – commented on Mr. Reindel’s presentation at the GBN subcommittee meeting.

Chairman Hindi closed public comments.

**Action to set Agenda and to Approve Consent Items 1-3 (00:11:00)**

Chairman Hindi open and closed public comments for consent items, no comments were received.

**ACTION:** Jeff Gee **MOVED** to set agenda and to approve consent items 1-3, The motion was seconded by Mike O’Neill and **CARRIED**, roll call vote passed.

**4. Action: Approve Technical Working Group Recommendations for GBAS 2A Innovative Procedures Suggestions (00:16:00)**

Chairman Hindi noted that 10 suggestions from the Technical Working group were coming to the full Roundtable for approval to be submitted to the SFO GBAS team for consideration. He summarized the subcommittee meeting that may [viewed here](#).

Due to technical audio issues Chairman Hindi paused this item at (00:19:13) and proceeded to item 5.

Chairman Hindi resumed item 4 at 01:02:49. Ms. Wentworth gave a presentation to the Membership. She shared her screen that depicted maps of the Bay Area and summarized all the suggestions. Members did not have comments/questions on suggestion 1, Ms. Wentworth proceeded to summarize suggestions 2A/B/C. Conversation ensued with Vice Chair Royse, Ms. Wentworth, Mr. Ganoung, Mr. Hannah, Member Ortiz, Goodwin, Lopez, and Taylor.

Ms. Wentworth continued to summarize suggestions 3A/3B/3C/4/5/6. Conversation ensued with Member Schneider and Chairman Hindi.

Chairman Hindi opened public comment.

Jennifer Landesmann from Palo Alto commented on the SFO Roundtable GBAS Suggestions and pre and post implementation.

Darlene Yaplee from Palo Alto commented about submitting a GBAS comment and what criteria and process will be used to evaluate GBAS suggestions.

Chairman Hindi closed public comment.

**ACTION:** Ricardo Ortiz **MOVED** to approve the Technical Working Group recommendations for GBAS 2A innovative procedures suggestions. The motion was seconded by Mike O'Neill and **CARRIED**, roll call vote passed.

**5. Chairman's Update (00:19:30)**

Chairman Hindi gave a verbal update to the Membership. He noted that beginning March 1, 2023 all meetings will return to in-person.

**6. Airport Director Update (Minute 00:21:05)**

Ivar Satero gave a verbal update to the Membership. He noted SFO's recognition in the Wall Street Journal. He also spoke about Terminal 1, passenger traffic, airline services, and resuming construction.

Conversation ensued with member O'Neill, Schneider, Pine and Mr. Ganoung.

**a. Noise Office Update (Minute 00:32:20)**

Mr. Ganoung gave a verbal update to the Membership and shared slides. He gave an update on the Noise Insulation Program, Title 21 Quarterly Noise Reports, SFO Noise office website, GBAS, and NIITE/HUSSH tracking of non-conforming flights.

Conversation ensued with Member O'Neill and Mr. Ganoung.

**7. HMMH Updates on other Airport Noise Roundtables (Minute 00:42:58)**

Mr. Reindel gave a verbal update to the Membership and shared slides. He gave an overview of what the intent of this item is. He shared an update on activities of other Roundtables. He highlighted the Broward County Aviation Department Airport Noise Abatement Committee, Charlotte Douglas International Airport Community Roundtable, DC Metroplex BWI Community Roundtable, LAX Community Noise Roundtable, Oakland Airport Community Noise Management Forum, O'Hare Noise Compatibility Commission, and the San Diego International Airport Noise Advisory Committee.

Conversation ensued with Member Schneider, Ford and Mr. Reindel.

Chairman Hindi resumed item 4.

**8. Subcommittee Updates**

**a. Technical Working Group Meeting of November 14, 2022 (02:05:03)**

Chairman Hindi gave a verbal update to the Roundtable and summarized the November 14, 2022 meeting. The topics discussed were summarized. Meeting may [viewed here](#).

**b. Portable Noise Monitor Subcommittee Meeting of October 24, 2022 (02:07:20)**

Ms. O'Connell was not present and therefore unable to give an update. Portable Noise Monitor Subcommittee meeting may [viewed here](#).

**c. Ground-Based Noise Subcommittee Meeting of November 18, 2022 (02:07:50)**

Subcommittee Chairperson Schneider gave a verbal update to the Roundtable and summarized the November 18, 2022 meeting. The topics discussed were summarized. Meeting may [viewed here.](#)

**d. Legislative & Work Program Update (Minute 02:16:50)**

Legislative Subcommittee Chair Royse noted that staff and subcommittee are working to gather data in order to submit a letter to the FAA on the Reauthorization Act.

**9. FY Budget vs. Actuals (Minute 02:18:37)**

**a. FY21-2022**

Ms. Wentworth summarized the FY2021-2022 budget versus actuals.

**b. YTD Q1 2022-2023**

Ms. Wentworth summarized the YTD Q1 actuals.

**Public Comments on Presentation Items 5-9 (Minute 02:24:04)**

Chairman Hindi opened public comment on presentation items.

Jennifer Landesmann from Palo Alto commented on the written comment she submitted to the Roundtable.

Chairman Hindi closed public comment on presentation items.

**10. Member Communications/Announcements (Minute 02:27:24)**

Chairman Hindi thanked Member O'Neill for his service to the Roundtable and wished him well as he ends his term on the Pacifica City Council.

**11. Adjourn**

Chairman Hindi adjourned the meeting at approximately 9:30 p.m.

*Roundtable action minutes are considered draft until approved by the Roundtable at a regular meeting. A video recording of this meeting is available on the Roundtable's website.*



# Airport Director's Report

Presented at the February 1, 2023  
Airport/Community Roundtable Meeting

Aircraft Noise Office  
November 2022



San Francisco  
International  
Airport

# Aircraft Noise Levels

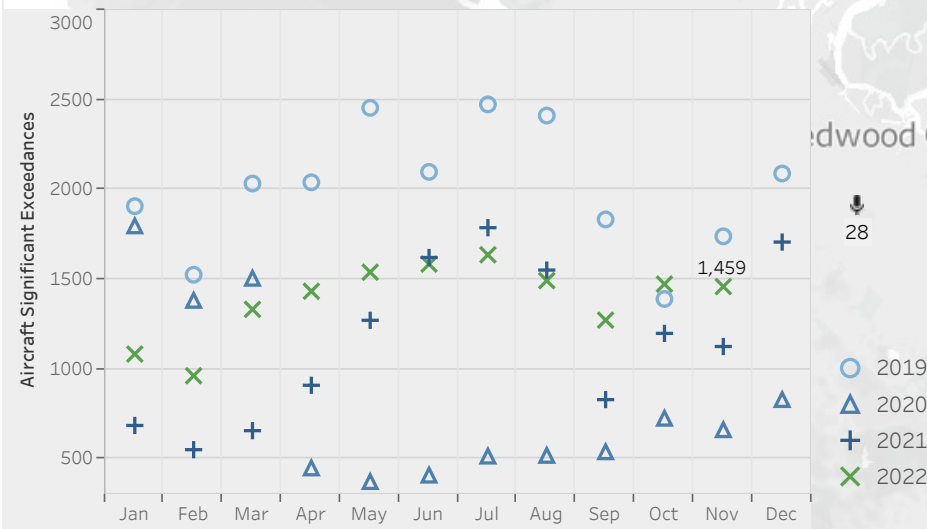
The map shows 29 aircraft noise monitoring locations that keep track of noise levels in the communities around the airport. The Community Noise Exposure Level (CNEL) metric is used to assess and regulate aircraft noise exposure in communities surrounding the airport.

Site	City	Aircraft			Community	
		Noise Events (AVG Day)	CNEL (dBA)	SEL (dBA)	LMax (dBA)	CNEL (dBA)
1	San Bruno	116	71	94	82	67
2	San Bruno	90	56	80	68	64
3	SSF	60	53	80	68	62
4	SSF	110	66	89	76	59
5	San Bruno	114	65	88	76	62
6	SSF	102	63	87	74	56
7	Brisbane	29	48	79	67	58
8	Millbrae	34	59	86	73	66
9	Millbrae	12	40	77	64	58
10	Burlingame	7	38	77	64	57
11	Burlingame	14	42	77	65	58
12	Foster City	291	61	82	71	58
13	Hillsborough	3	34	79	65	55
14	SSF	98	59	83	71	58
15	SSF	164	59	82	69	58
16	SSF	84	58	83	71	56
17	SSF	89	58	82	70	57
18	Daly City	84	63	87	75	58
19	Pacifica	76	60	85	73	57
20	Daly City	89	51	77	65	61
21	San Francisco	23	43	75	63	60
22	San Bruno	71	55	81	70	63
23	San Francisco	81	54	80	68	61
24	San Francisco	73	55	84	66	71
25	San Francisco	14	40	77	65	56
26	San Francisco	4	36	77	65	56
27	San Francisco	7	40	80	66	56
28	Redwood City	10	40	77	64	54
29	San Mateo	95	52	79	64	57

Noise Monitor's CNEL values (top) are derived from actual measured events and are used to validate the 65dBA CNEL noise footprint. Aircraft and Community monthly CNEL average for each monitor site are provided, along with daily average aircraft counts with the average Sound Exposure Level (SEL) and Maximum Level (LMax).

The graph below shows aircraft noise events that produced a noise level higher than the maximum allowable decibel value established for a particular monitoring site.

## Significant Exceedances



# Operations

November 2022

Monthly Ops	AVG Daily Ops	12 Month AVG	YOY Growth
28,552	952	29,032	8%

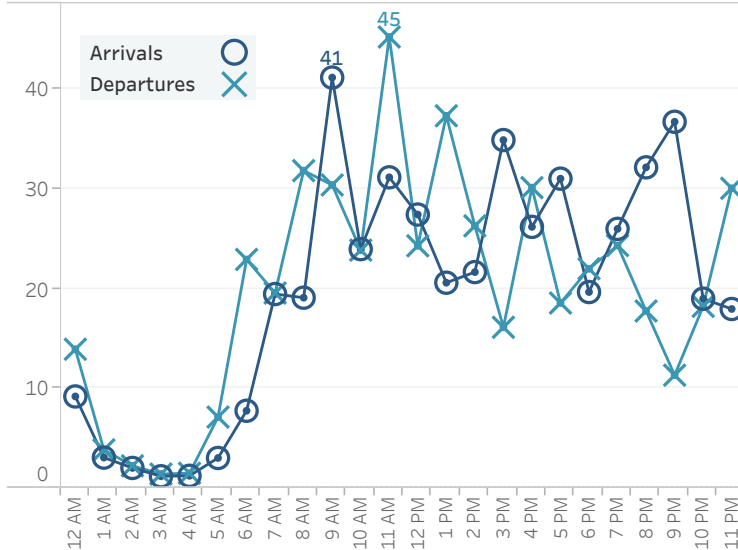
Major Arrival and Departure Routes (West Flow)



West Flow is depicted in the above image and is a predominate flow at SFO.

**West Flow**  
98%

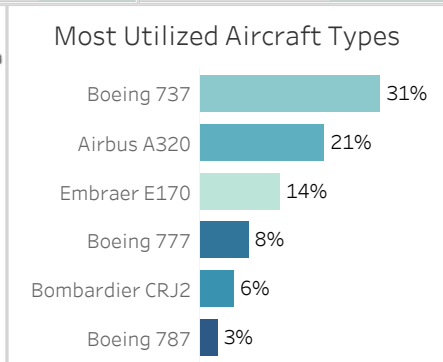
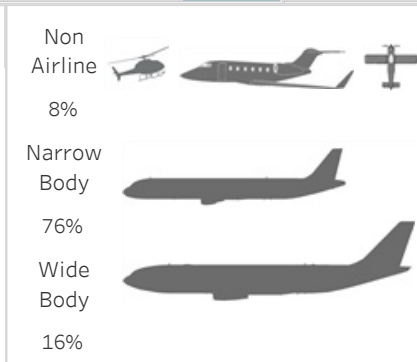
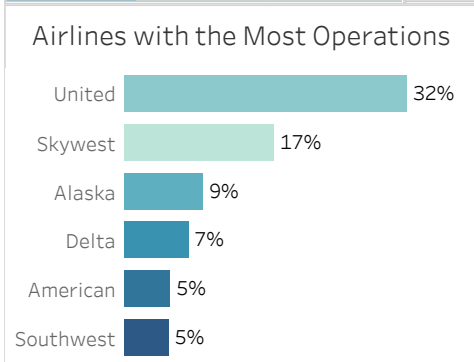
November 2022 Average Day (Hourly)



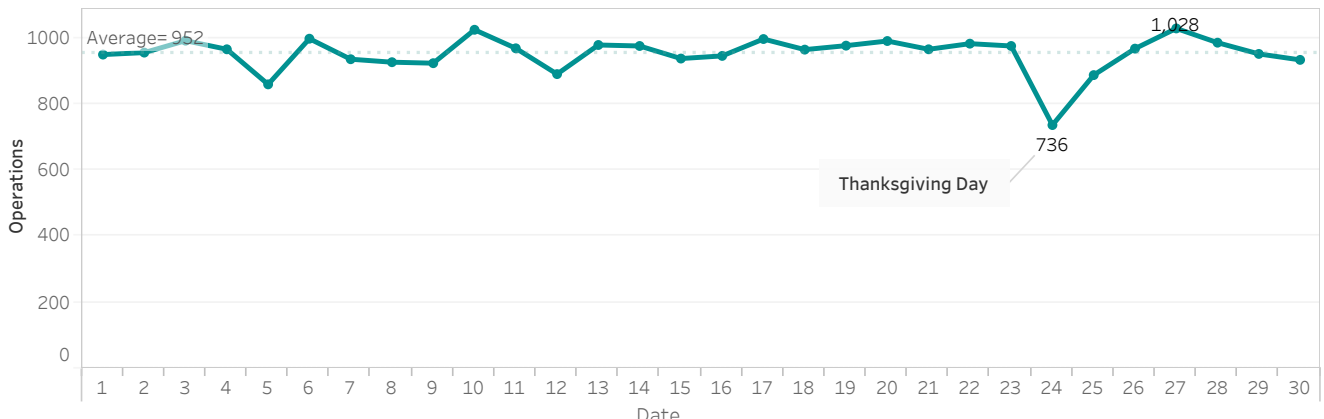
Top Destinations		
Los Angeles	Seattle	JFK
7%	4%	4%

Down the Bay vs Peninsula	
1.1 Down the Bay Visual	41%
1.2 BDEGA Arrival	59%

Arrival Route		Departure Route	
1. BDEGA	28%	A. GAP	20%
2. DYAMD	36%	B. SSTIK	33%
3. SERFR	30%	C. NIITE	10%
4. PIRAT	6%	D. TRUKN RWY 01	34%
		D. TRUKN RWY 28	3%



Daily Aircraft Operations



# Runway Usage and Nighttime Operations

Leftmost Runway Utilization table shows percent of runway usage for arrivals and departures by runway based on air carrier operations using jet, regional jet, and turboprop aircraft. Late Night Preferential Runway Use table depicts departure runway usage between 1am - 6am for jet aircraft for the whole month (top) and during nighttime hours only (bottom). Percentages [%] are rounded to the nearest whole number.

## Runway Utilization

	Arrivals	Departures
01 L/R		77% 10,244
10 L/R	0% 1	2% 266
19 L/R	2% 251	
28 L/R	98% 12,944	21% 2,718

## Late Night Preferential Runway Use (1 am - 6 am)

	Departures
10 L/R	5% 19
01 L/R	66% 254
28 L/R	29% 113

## Runway Utilization

	Arrivals		Arrivals
	28L		28R
	40%		60%
Night (10pm-7am)			
	23%		77%

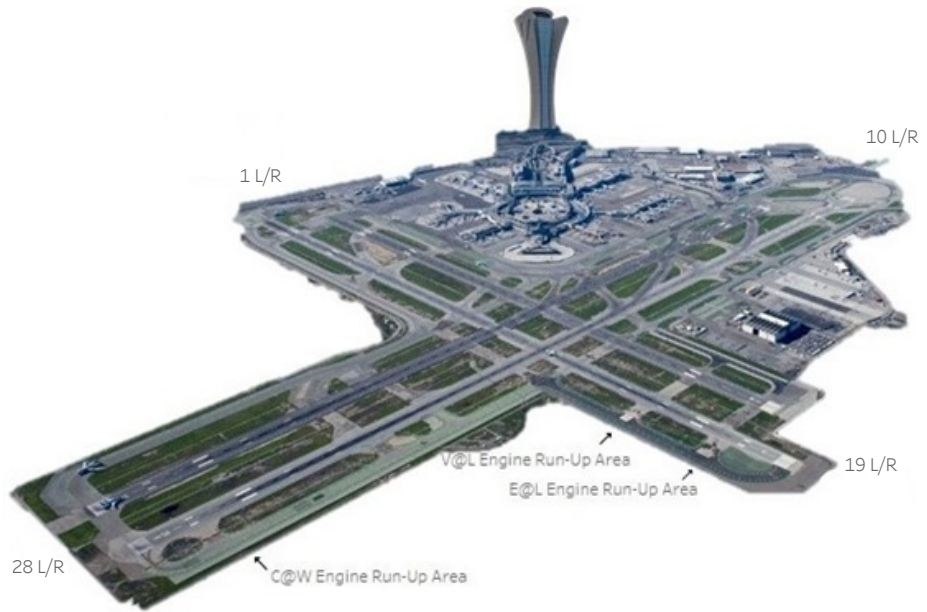
## Nighttime Power Run-Ups

10pm-7am

Alaska Airlines	1
American Airlines	5
United Airlines	3

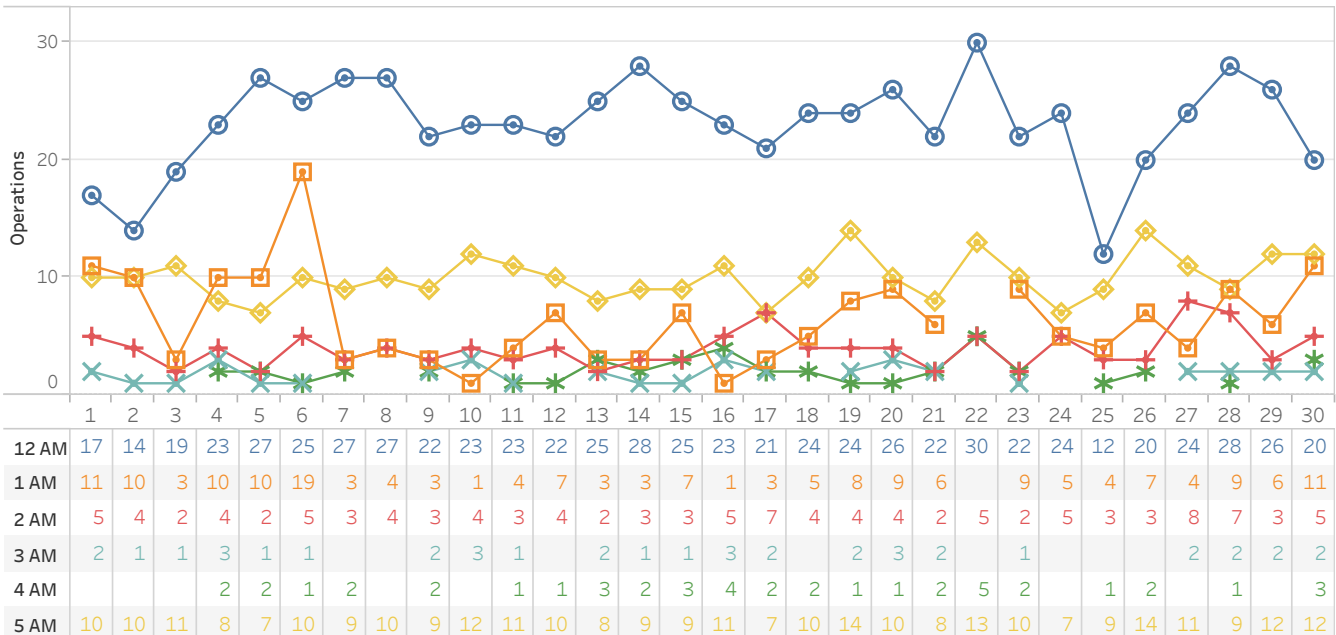
A power runup is a procedure used to test an aircraft engine after maintenance is completed. This is done to ensure safe operating standards prior to returning the aircraft to service. The Aircraft power settings range from idle to full power and may vary in duration.

Designated Power Runup locations are 19 L/R depicted on the airfield map (right) with airlines nighttime power runup counts shown above.



## Hourly Nighttime Operations

○ 12 AM    □ 1 AM    + 2 AM    × 3 AM    \* 4 AM    ◇ 5 AM



# Noise Reports

## Noise Reporters Location Map

November 2022

	Noise Reporters / Noise Reports	
Atherton	3	8
Brisbane	10	373
Burlingame	4	5
Daly City	9	1,817
East Palo Alto	1	1
El Granada	1	842
Foster City	6	79
Hillsborough	1	20
Menlo Park	10	1,343
Millbrae	7	27
Montara	1	5
Pacifica	15	718
Portola Valley	21	14,430
Redwood City	8	638
San Bruno	9	916
San Carlos	3	50
San Francisco	19	2,094
San Mateo	9	909
South San Francisco	8	147
Woodside	6	1,379
Alameda	2	2
Aptos	3	35
Ben Lomond	1	5
Berkeley	1	537
Boulder Creek	2	8
Brentwood	1	1
Capitola	4	102
Castro Valley	1	16
Cupertino	1	368
Emerald Hills	6	746
Felton	3	79
Fremont	2	211
Los Altos	54	8,235
Los Altos Hills	11	1,159
Los Gatos	35	3,936
Moraga	3	105
Mountain View	18	1,949
Newark	1	1
Oakland	10	3,210
Palo Alto	101	18,586
Richmond	3	202
Santa Cruz	53	9,138
Scotts Valley	25	3,864
Soquel	32	3,402
Stanford	4	738
Sunnyvale	5	22
Union City	1	322
Walnut Creek	2	2
Watsonville	1	85
<b>Grand Total</b>	<b>537</b>	<b>82,867</b>

Reporters Annual AVG

579

Reports Annual AVG

105,919

New Reporters

8

New Reporters Top City

Burlingame  
Walnut Creek

Furthest Report

64 miles

Reports per SFO Operation

3

Top Aircraft Types

B737

A320

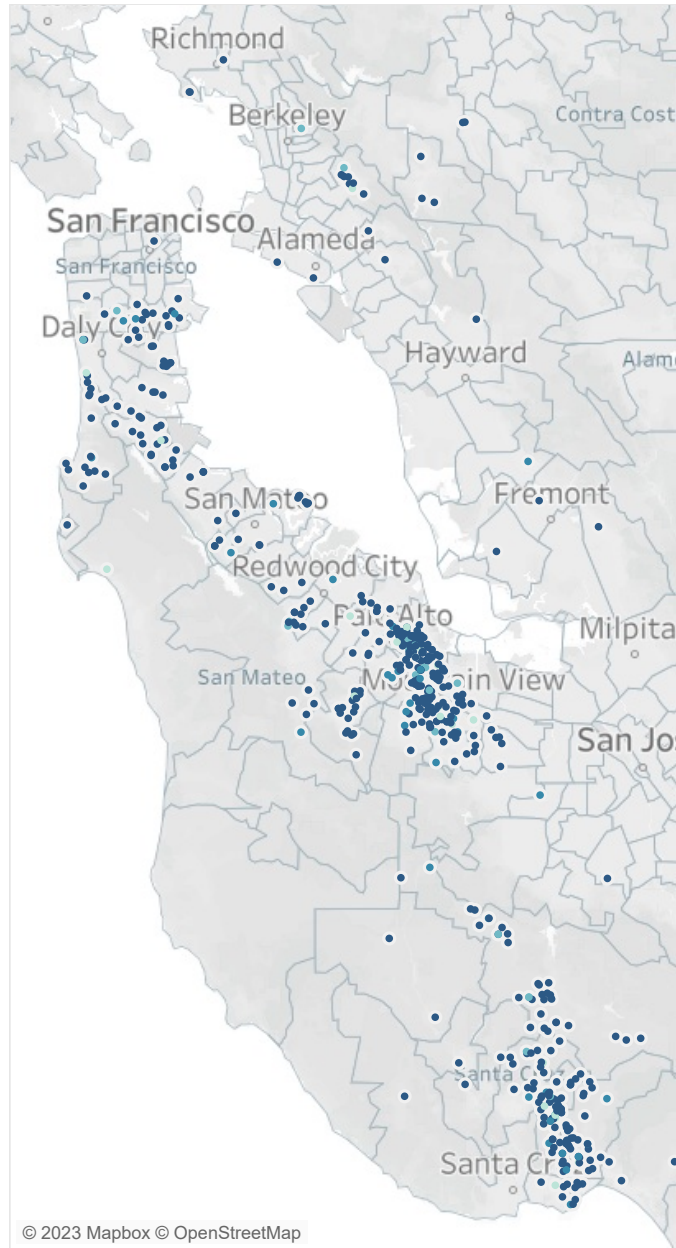
E75L

Top Flight Numbers

KAL214

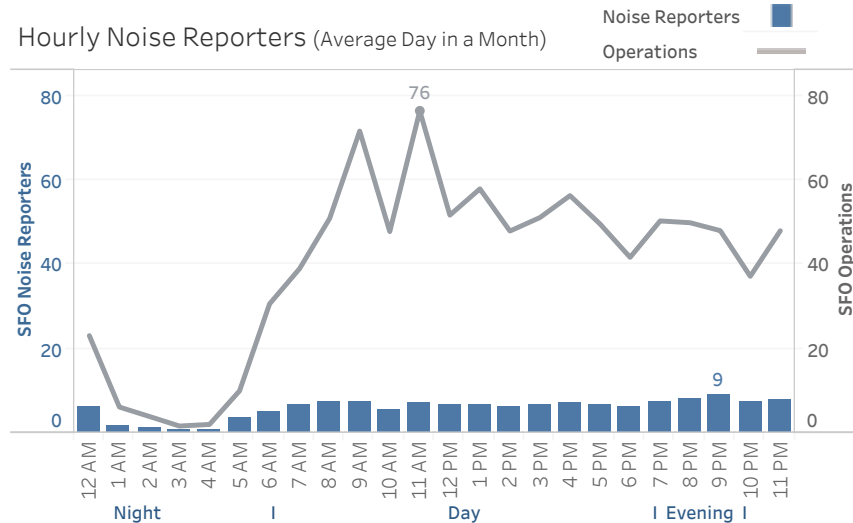
UAL1272

DAL2657



© 2023 Mapbox © OpenStreetMap

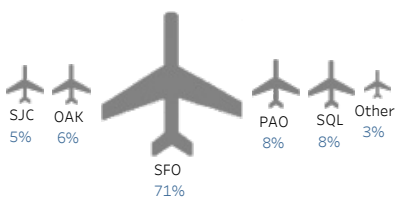
Hourly Noise Reporters (Average Day in a Month)



Source: SFO Intl Airport Noise Monitoring System

Notes: Address validation Relies on USPS-provided ZIP Code look up table and USPS-specified default city values.

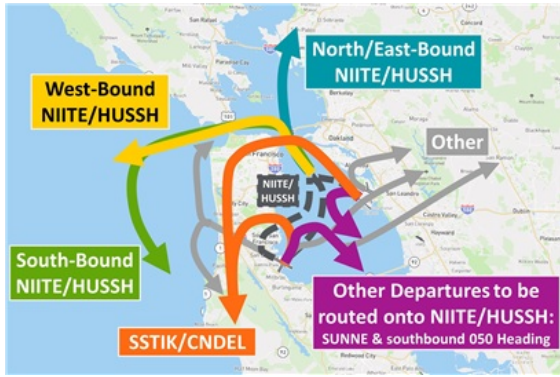
### Noise Reports by Airport



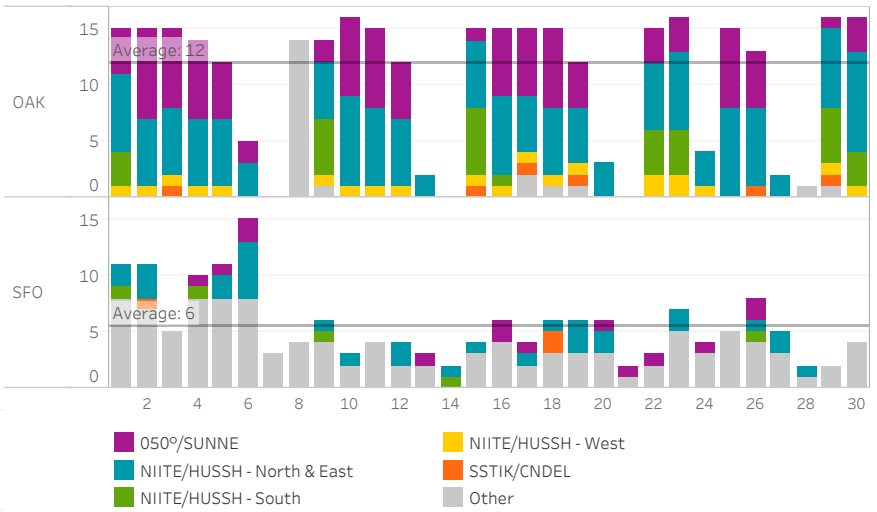
99% of noise reports correlate to a flight origin/destination airport.



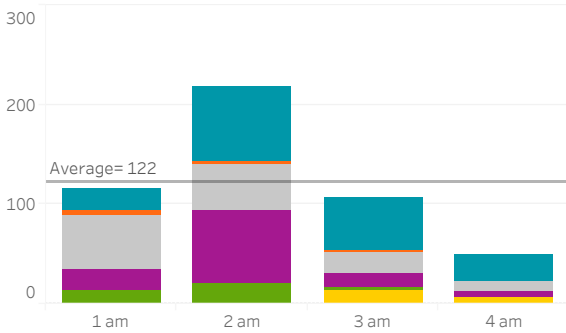
# NIITE to GOBBS 1 am to 5 am (November 2022)



Count of Departures per Night



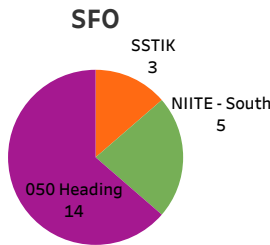
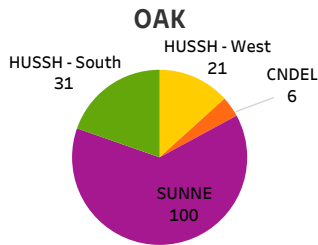
Average Total Departures per Hour



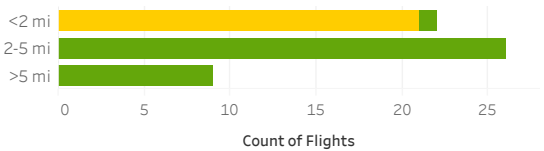
Departure Runway Usage

OAK				SFO					
10R	12	28L	30	01L	01R	10L	10R	28L	28R
0%	4%	0%	95%	7%	25%	3%	5%	39%	22%

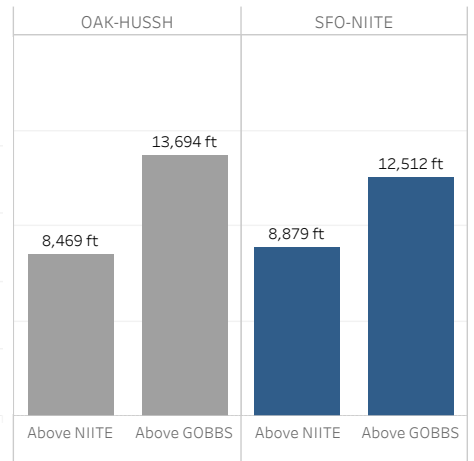
CNDEL and SSTIK Departures vs HUSSH and NIITE



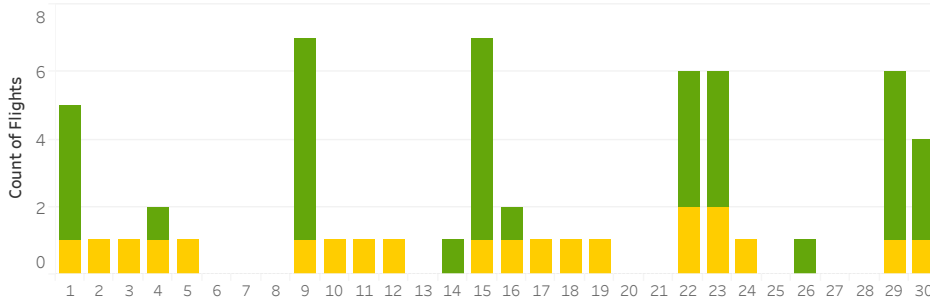
How Close are Aircraft Flying to GOBBS?



Average Altitude at NIITE and GOBBS



Count of Flights





# Airport Director's Report

Presented at the February 1, 2023  
Airport/Community Roundtable Meeting

Aircraft Noise Office  
December 2022



San Francisco  
International  
Airport

# Aircraft Noise Levels

December 2022

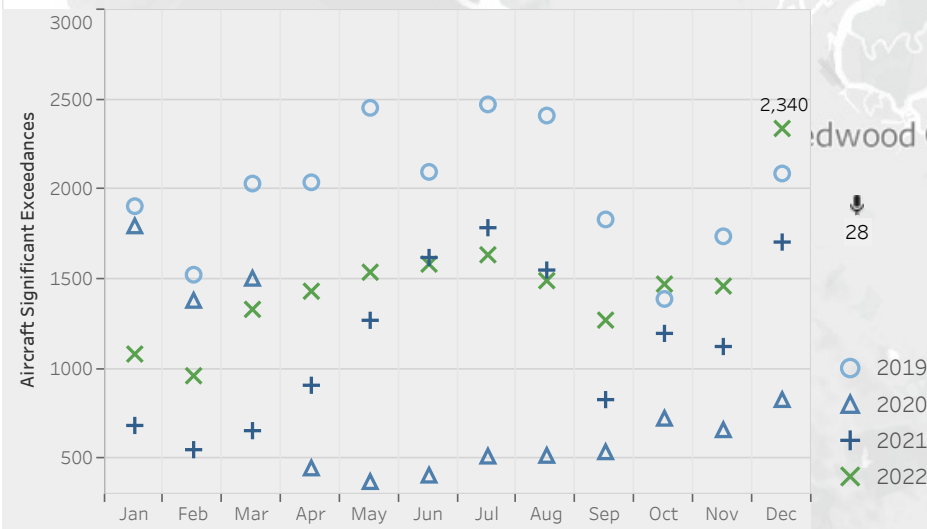
The map shows 29 aircraft noise monitoring locations that keep track of noise levels in the communities around the airport. The Community Noise Exposure Level (CNEL) metric is used to assess and regulate aircraft noise exposure in communities surrounding the airport.

Site	City	Aircraft			Community	
		Noise Events (AVG Day)	CNEL (dBA)	SEL (dBA)	LMax (dBA)	CNEL (dBA)
1	San Bruno	123	72	94	83	68
2	San Bruno	110	57	80	68	64
3	SSF	74	55	80	68	62
4	SSF	121	67	90	77	59
5	San Bruno	120	66	89	76	62
6	SSF	114	65	88	75	56
7	Brisbane	28	49	79	67	59
8	Millbrae	36	61	92	77	66
9	Millbrae	21	48	82	68	59
10	Burlingame	16	50	84	70	59
11	Burlingame	20	51	85	71	58
12	Foster City	329	62	82	71	58
13	Hillsborough	13	46	82	68	57
14	SSF	115	60	83	71	59
15	SSF	138	59	82	69	58
16	SSF	96	59	83	71	58
17	SSF	105	59	82	70	58
18	Daly City	98	64	87	76	59
19	Pacifica	86	61	85	74	58
20	Daly City	84	50	77	65	59
21	San Francisco	32	44	75	63	61
22	San Bruno	76	56	81	70	64
23	San Francisco	78	54	80	68	61
24	San Francisco	79	63	92	68	78
25	San Francisco	15	40	76	64	57
26	San Francisco	7	41	80	66	58
27	San Francisco	7	39	78	65	58
28	Redwood City	10	42	79	64	55
29	San Mateo	121	54	79	65	57

Noise Monitor's CNEL values (top) are derived from actual measured events and are used to validate the 65dBA CNEL noise footprint. Aircraft and Community monthly CNEL average for each monitor site are provided, along with daily average aircraft counts with the average Sound Exposure Level (SEL) and Maximum Level (LMax).

The graph below shows aircraft noise events that produced a noise level higher than the maximum allowable decibel value established for a particular monitoring site.

## Significant Exceedances



# Operations

December 2022

Monthly Ops	AVG Daily Ops	12 Month AVG	YOY Growth
28,625	923	29,182	6%

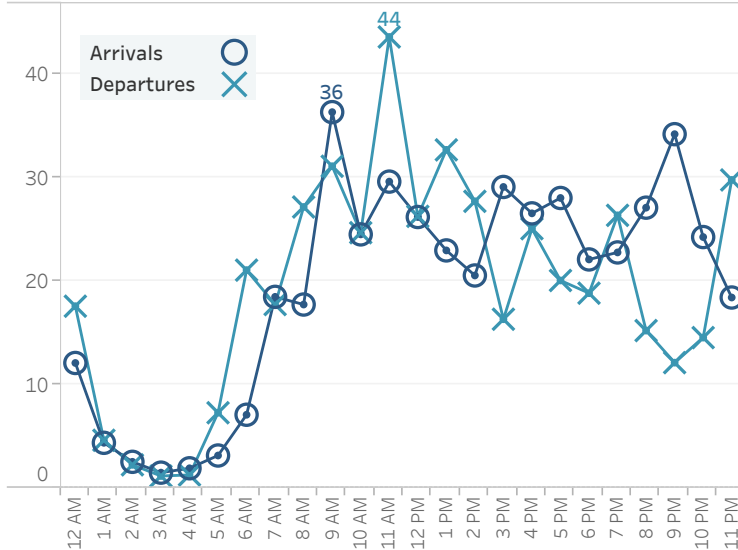
Major Arrival and Departure Routes (West Flow)



West Flow is depicted in the above image and is a predominate flow at SFO.

**West Flow**  
92%

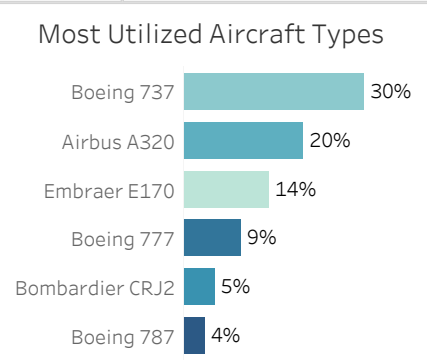
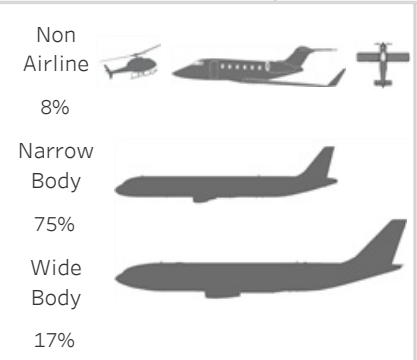
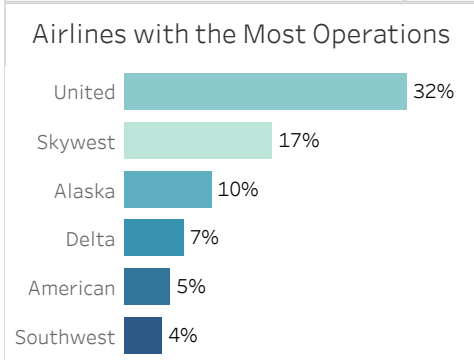
December 2022 Average Day (Hourly)



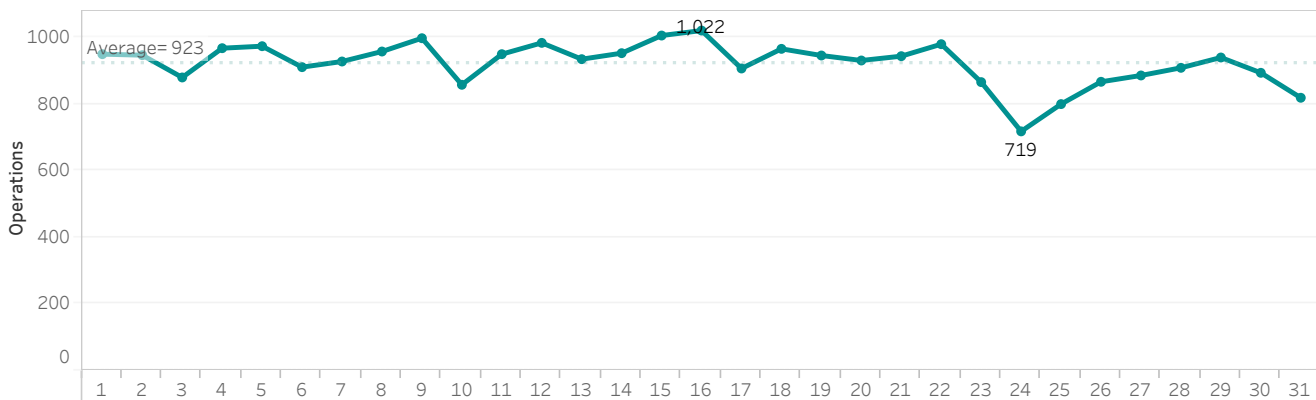
Top Destinations		
Los Angeles	JFK	Seattle
6%	4%	4%

Down the Bay vs Peninsula	
1.1 Down the Bay Visual	37%
1.2 BDEGA Arrival	63%

Arrival Route	Percentage	Departure Route	Percentage
1. BDEGA	29%	A. GAP	25%
2. DYAMD	35%	B. SSTIK	29%
3. SERFR	28%	C. NIITE	9%
4. PIRAT	7%	D. TRUKN RWY 01	35%
		D. TRUKN RWY 28	3%



Daily Aircraft Operations



# Runway Usage and Nighttime Operations

Leftmost Runway Utilization table shows percent of runway usage for arrivals and departures by runway based on air carrier operations using jet, regional jet, and turboprop aircraft. Late Night Preferential Runway Use table depicts departure runway usage between 1am - 6am for jet aircraft for the whole month (top) and during nighttime hours only (bottom). Percentages [%] are rounded to the nearest whole number.

## Runway Utilization

	Arrivals	Departures
01 L/R		68% 9,034
10 L/R		6% 827
19 L/R	8% 1,071	2% 324
28 L/R	92% 12,235	24% 3,136

## Late Night Preferential Runway Use (1 am - 6 am)

	Departures
10 L/R	14% 61
01 L/R	52% 228
28 L/R	32% 141
19 L/R	1% 6

## Runway Utilization

Arrivals	
28L	28R
37%	63%
Night (10pm-7am)	
20%	80%

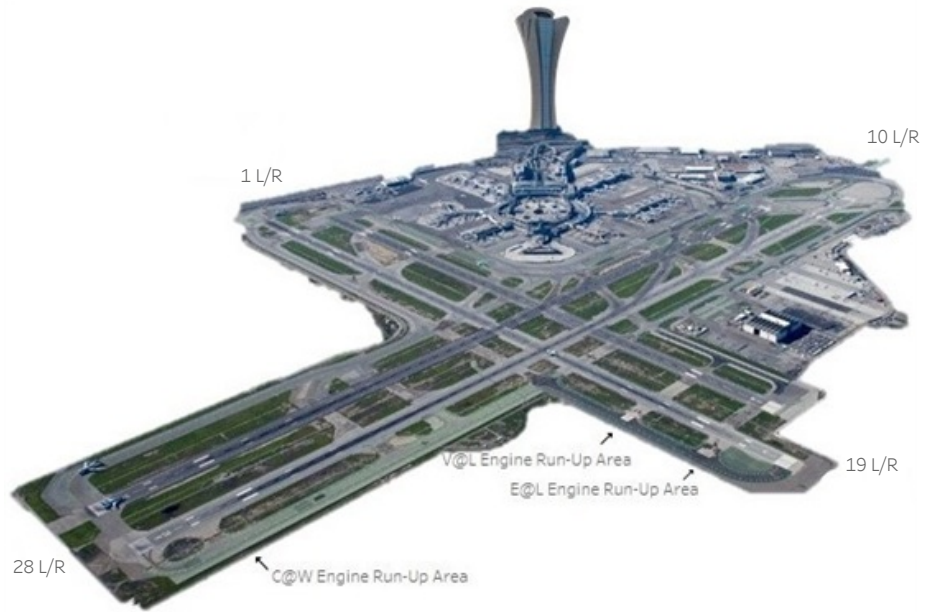
## Nighttime Power Run-Ups

10pm-7am

Alaska Airlines	3
American Airlines	3
United Airlines	9

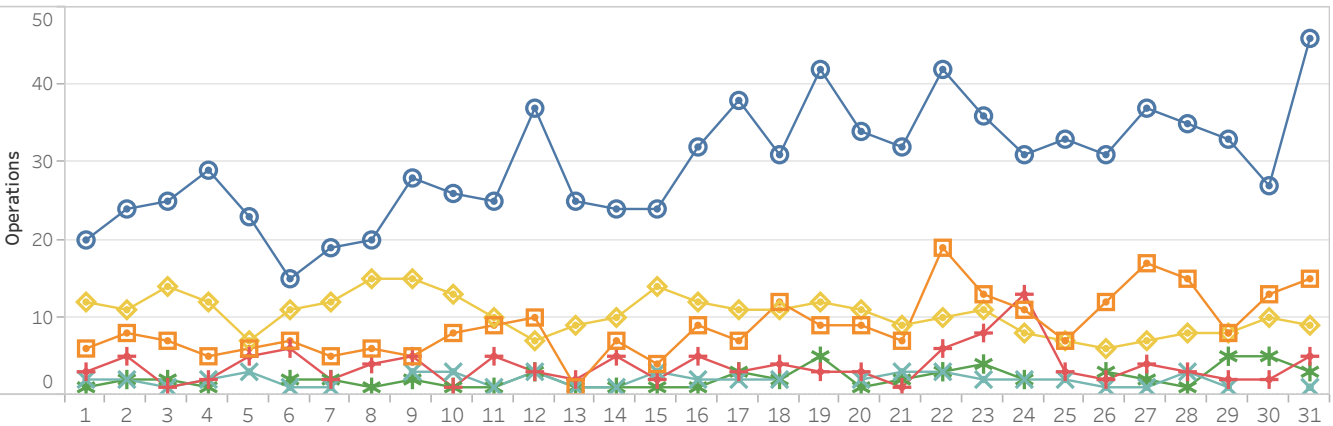
A power runup is a procedure used to test an aircraft engine after maintenance is completed. This is done to ensure safe operating standards prior to returning the aircraft to service. The Aircraft power settings range from idle to full power and may vary in duration.

Designated Power Runup locations are 19 L/R depicted on the airfield map (right) with airlines nighttime power runup counts shown above.



## Hourly Nighttime Operations

○ 12 AM    □ 1 AM    + 2 AM    × 3 AM    \* 4 AM    ◇ 5 AM



12 AM	20	24	25	29	23	15	19	20	28	26	25	37	25	24	24	32	38	31	42	34	32	42	36	31	33	31	37	35	33	27	46
1 AM	6	8	7	5	6	7	5	6	5	8	9	10	1	7	4	9	7	12	9	9	7	19	13	11	7	12	17	15	8	13	15
2 AM	3	5	1	2	5	6	2	4	5	1	5	3	2	5	2	5	3	4	3	3	1	6	8	13	3	2	4	3	2	2	5
3 AM	2	2	1	2	3	1	1		3	3	1	3	1	1	3	2	2	2		2	3	3	2	2	2	1	1	3	1		1
4 AM	1	2	2	1		2	2	1	2	1	1	3	1	1	1	1	3	2	5	1	2	3	4	2		3	2	1	5	5	3
5 AM	12	11	14	12	7	11	12	15	15	13	10	7	9	10	14	12	11	11	12	11	9	10	11	8	7	6	7	8	8	10	9

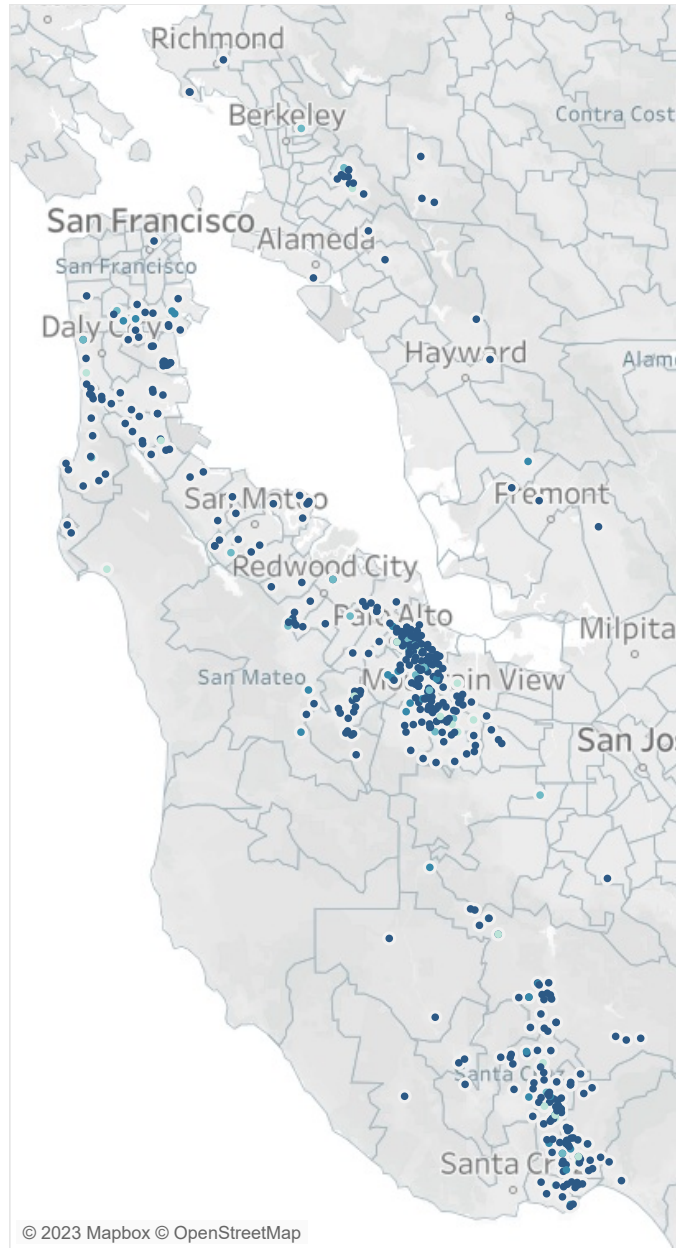
# Noise Reports

## Noise Reporters Location Map

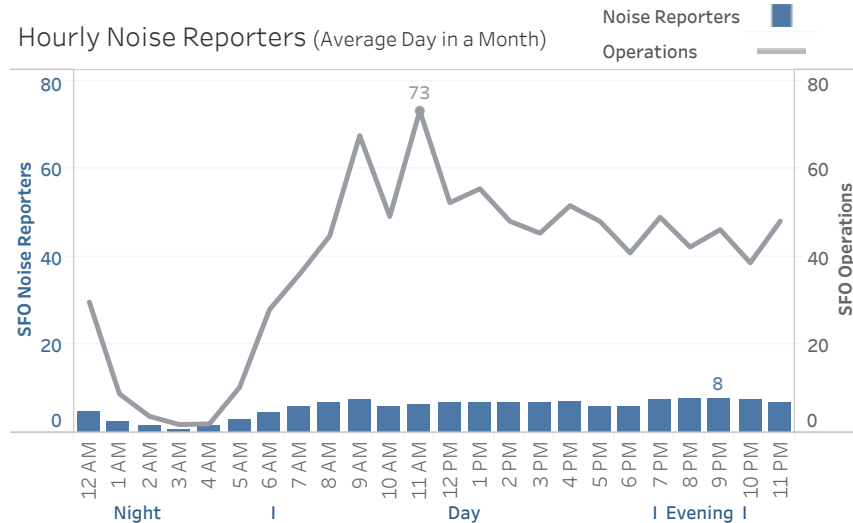
December 2022

	Noise Reporters / Noise Reports	
<b>Roundtable</b>		
Atherton	3	78
Belmont	1	2
Brisbane	10	360
Burlingame	2	2
Daly City	7	1,901
East Palo Alto	1	2
El Granada	1	842
Foster City	5	126
Hillsborough	1	25
Menlo Park	10	1,231
Millbrae	3	19
Montara	2	146
Pacifica	15	950
Portola Valley	20	17,921
Redwood City	7	791
San Bruno	8	771
San Carlos	2	92
San Francisco	16	2,406
San Mateo	9	717
South San Francisco	7	227
Woodside	5	1,582
<b>Other</b>		
Alameda	1	1
Aptos	2	7
Ben Lomond	2	5
Berkeley	1	714
Boulder Creek	2	7
Capitola	4	134
Castro Valley	1	25
Cupertino	1	676
Emerald Hills	5	652
Felton	3	41
Fremont	3	182
Hayward	1	5
Los Altos	49	8,153
Los Altos Hills	9	875
Los Gatos	30	3,650
Moraga	3	157
Mountain View	17	3,088
Oakland	13	3,371
Palo Alto	96	19,829
Penngrove	1	1
Richmond	3	275
Santa Cruz	51	9,042
Scotts Valley	22	3,446
Soquel	27	3,722
Stanford	4	871
Sunnyvale	3	120
Union City	1	255
Watsonville	1	77
<b>Grand Total</b>	<b>491</b>	<b>89,572</b>

Reporters Annual AVG	568
Reports Annual AVG	104,001
New Reporters	10
New Reporters Top City	San Bruno
Furthest Report	64 miles
Reports per SFO Operation	3
Top Aircraft Types	B737 A320 E75L
Top Flight Numbers	KAL214 AAR284 TAI560

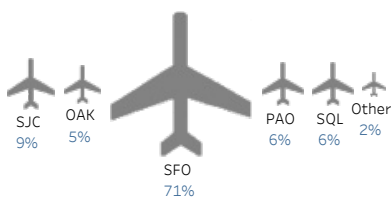


Hourly Noise Reporters (Average Day in a Month)



Notes: Address validation Relies on USPS-provided ZIP Code look up table and USPS-specified default city values.

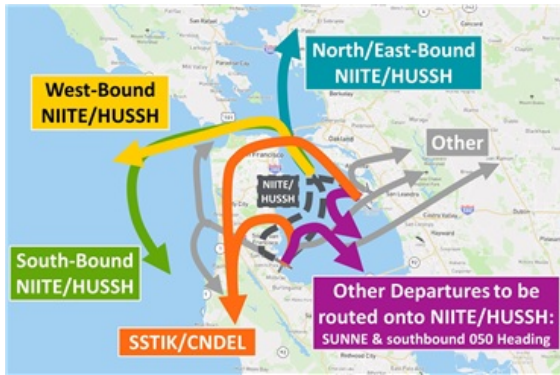
### Noise Reports by Airport



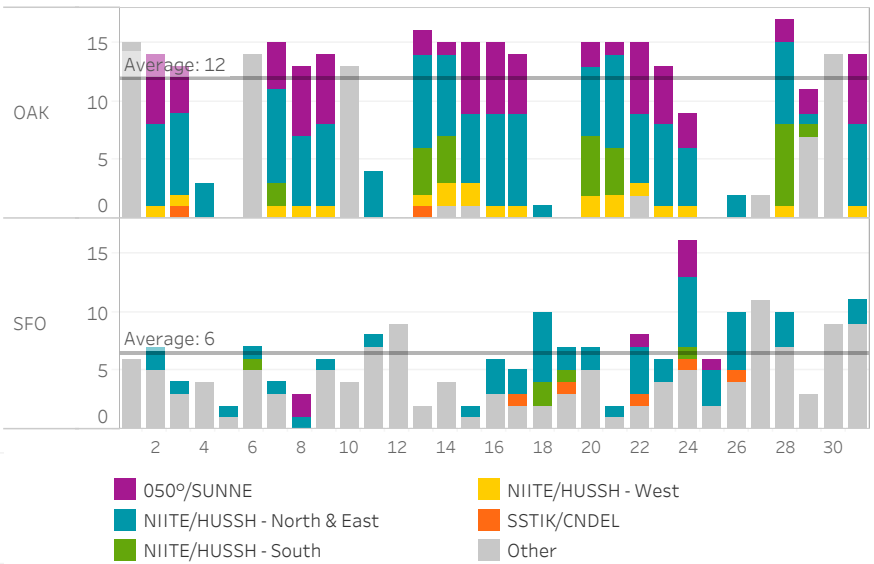
99% of noise reports correlate to a flight origin/destination airport.

Source: SFO Intl Airport Noise Monitoring System

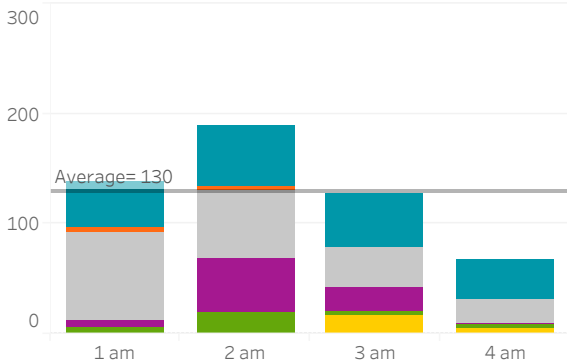
# NIITE to GOBBS 1 am to 5 am (December 2022)



Count of Departures per Night



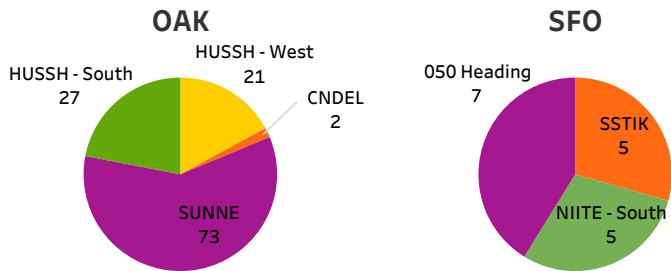
Average Total Departures per Hour



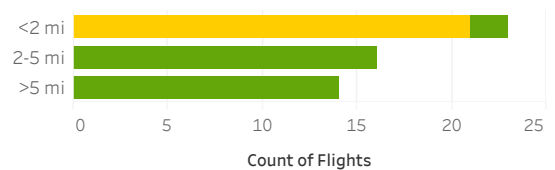
Departure Runway Usage

OAK		SFO						
12	30	01L	01R	10L	10R	19L	28L	28R
20%	80%	3%	31%	6%	10%	1%	33%	18%

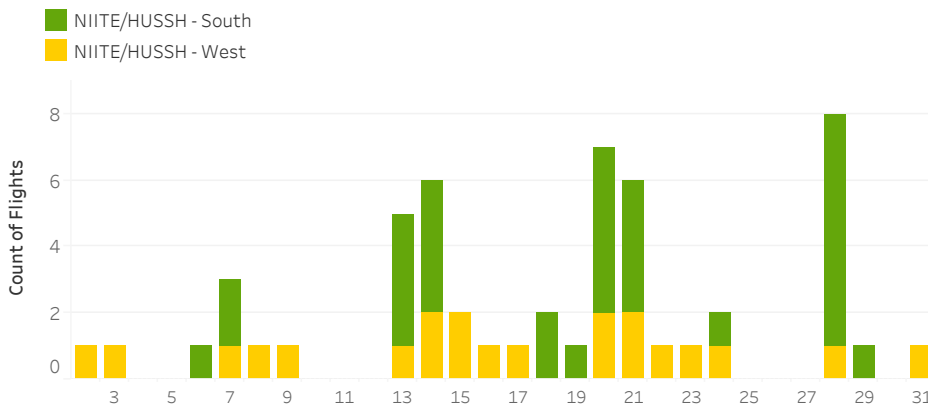
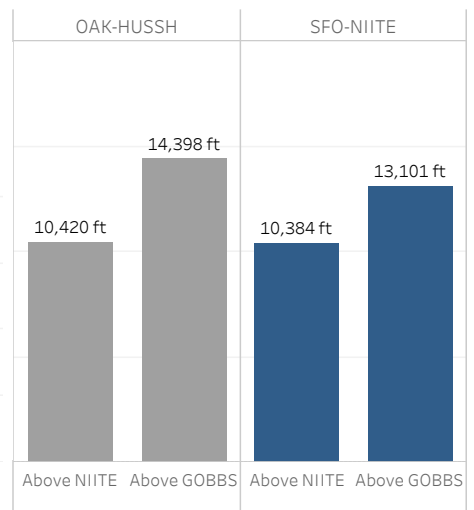
CNDEL and SSTIK Departures vs HUSSH and NIITE



How Close are Aircraft Flying to GOBBS?



Average Altitude at NIITE and GOBBS





San Francisco International  
Airport/Community Roundtable

455 County Center, 2<sup>nd</sup> Floor  
Redwood City, CA 94063  
T (650) 363-4220  
F (650) 363-4849  
[www.sforoundtable.org](http://www.sforoundtable.org)

January 25, 2023

**TO:** Roundtable membership and interested parties

**FROM:** Kathleen Wentworth, Roundtable Coordinator

**SUBJECT:** Resolution to make findings allowing continued remote meetings under Brown Act

### **BACKGROUND**

On June 11, 2021, Governor Newsom issued Executive Order N-08-21, which rescinded his prior Executive Order N-29-20 and which waived, through September 30, 2021, certain provisions of the Brown Act relating to teleconferences/remote meetings. The Executive Order waived, among other things, the provisions of the Brown Act that otherwise required the physical presence of members of a local agency or other personnel in a particular location as a condition of participation or as a quorum for a public meeting. These waivers set forth in the Executive Order were to expire on October 1, 2021.

On September 16, 2021, the Governor signed Assembly Bill (AB) 361, a bill that codifies certain teleconference procedures that local agencies have adopted in response to the Governor's Brown Act-related Executive Orders. Specifically, AB 361 allows a local agency to continue to use teleconferencing under the same basic rules as provided in the Executive Orders under certain prescribed circumstances or when certain findings have been made and adopted by the local agency.

In order to continue to hold video and teleconference meetings, the membership will need to review and make findings every 30 days or thereafter that the state of emergency continues to directly impact the ability of the members to meet safely in person and that state or local officials continue to impose or recommend measures to promote social distancing. If the membership does continue to hold video and teleconference meetings, to meet the requirements of AB 361, the membership will need to adopt a resolution at every meeting.

The San Mateo County Board of Supervisors has adopted a resolution to continue remote meetings and encouraged other local agencies to make similar findings.

The membership previously found, and it remains the case, that public meetings pose risks for COVID-19 spread for several reasons. These meetings may bring together people from throughout a geographic region, increasing the opportunity for COVID-19 transmission. Further, the open nature of public meetings makes it difficult to enforce compliance with vaccination, physical distancing, masking, cough and sneeze etiquette, or other safety measures. Moreover, some of the safety measures used by private businesses to control these risks may be less effective for public agencies.

These factors continue to combine and directly impact the ability of members of the Roundtable to meet safely in person and to make in-person public meetings imminently risky to health and safety.



Resolution to make findings allowing continued remote meetings under Brown Act

January 25, 2023

Page 2 of 2

As noted above, under AB 361, local agency bodies were required to return to in-person meetings on October 1, 2021, unless they chose to continue with fully teleconferenced meetings and made the prescribed findings related to the existing state of emergency. At its meeting of December 7, 2022, the membership adopted a resolution wherein the membership found, among other things, that as a result of the continuing COVID-19 state of emergency, meeting in-person would present imminent risks to the health or safety of attendees.

The December 7, 2022 resolution also directed staff to bring an item to the membership prior to its next meeting to consider making the findings required by AB 361 in order to continue meeting under its provisions.

We recommend that the Membership continue to avail itself of the provisions of AB 361 allowing continuation of online meetings by adopting findings to the effect that conducting in-person meetings would present a risk to the health and safety of attendees. A resolution to that effect and directing staff to return each 30 days with the opportunity to renew such findings, is attached hereto.

**RECOMMENDATION**

Adopt a resolution finding that, as a result of the continuing COVID-19 pandemic state of emergency declared by Governor Newsom, meeting in-person would present imminent risks to the health or safety of attendees.

**FISCAL IMPACT**

None

**ATTACHMENT(S)**

a. Resolution No. 23-01

## RESOLUTION NO. 23-01

### RESOLUTION FINDING THAT, AS A RESULT OF THE CONTINUING COVID-19 PANDEMIC STATE OF EMERGENCY DECLARED BY GOVERNOR NEWSOM, MEETING IN PERSON FOR MEETINGS OF THE SAN FRANCISCO INTERNATIONAL AIRPORT/COMMUNITY ROUNDTABLE WOULD PRESENT IMMINENT RISKS TO THE HEALTH OR SAFETY OF ATTENDEES

---

RESOLVED, by the San Francisco Airport Community Roundtable that

**WHEREAS**, on March 4, 2020, the Governor proclaimed pursuant to his authority under the California Emergency Services Act, California Government Code section 8625, that a state of emergency exists with regard to a novel coronavirus (a disease now known as COVID-19); and

**WHEREAS**, on June 4, 2021, the Governor clarified that the “reopening” of California on June 15, 2021 did not include any change to the proclaimed state of emergency or the powers exercised thereunder, and as of the date of this Resolution, neither the Governor nor the Legislature have exercised their respective powers pursuant to California Government Code section 8629 to lift the state of emergency either by proclamation or by concurrent resolution in the state Legislature; and

**WHEREAS**, on March 17, 2020, Governor Newsom issued Executive Order N-29-20 that suspended the teleconferencing rules set forth in the California Open Meeting law, Government Code section 54950 et seq. (the “Brown Act”), provided certain requirements were met and followed; and

**WHEREAS**, on September 16, 2021, Governor Newsom signed AB 361 that provides that a legislative body subject to the Brown Act may continue to meet without

fully complying with the teleconferencing rules in the Brown Act provided the legislative body determines that meeting in person would present risks to the health or safety of attendees, and further requires that certain findings be made by the legislative body every thirty (30) days or when meeting next; and,

**WHEREAS**, the San Francisco International Airport/Community Roundtable has an important interest in protecting the health and safety of attendees, and welfare of those who participate in its meetings; and

**WHEREAS**, at its meeting December 7, 2022, the San Francisco Airport/Community Roundtable adopted, by unanimous vote, a resolution wherein the membership found, *inter alia*, that as a result of the continuing COVID-19 state of emergency, meeting in person would present risks to the health or safety of attendees; and

**WHEREAS**, The San Francisco Airport/Community Roundtable has not met since its regular meeting in December 7, 2022; and

**WHEREAS**, the membership has reconsidered the circumstances of the state of emergency and finds that the state of emergency continues to impact the ability of members of the Roundtable to meet in person because there is a continuing threat of COVID-19 to the community, and because membership meetings have characteristics that give rise to risks to health and safety of meeting participants (such as the increased mixing associated with bringing people together from across the community); and

**WHEREAS**, in the interest of public health and safety, as affected by the emergency caused by the spread of COVID-19, the membership deems it necessary to

find that meeting in-person would present imminent risks to the health and safety of attendees, and thus intends to invoke the provisions of AB 361 related to teleconferencing;

**NOW, THEREFORE, IT IS HEREBY DETERMINED AND ORDERED** that

1. The recitals set forth above are true and correct.
2. The Roundtable finds that meeting in person would present imminent risks to the health or safety of attendees.
3. Staff is directed to return no later than thirty (30) days after the adoption of this resolution or at their next regular meeting with an item for the San Francisco Airport Community Roundtable to consider making the findings required by AB 361 in order to continue meeting under its provisions.
4. Staff is directed to take such other necessary or appropriate actions to implement the intent and purposes of this resolution.

\* \* \* \* \*

Adopted at the Regular meeting of \_\_\_\_\_.

\_\_\_\_\_  
Chairperson

\_\_\_\_\_  
Date

**SFORT BUDGET vs. ACTUALS FOR FY22-23 Q2**

Ending 12/31/2022

A	SOURCES	2022-2023	
		BUDGET	ACTUAL
	<b>Revenue</b>		
	San Francisco Airport Commission	\$220,000	\$ 110,000
	Roundtable Membership	\$42,000	\$ 39,000
	<i>In Kind Contributions from Millbrae</i>		
		<b>\$262,000</b>	<b>\$ 149,000</b>

	BUDGET	ACTUAL
<b>Other Sources</b>		
Fund Balance	<b>\$292,887</b>	<b>\$ 422,218</b>

**SOURCES TOTAL \$554,887 \$ 571,218**

B	EXPENSES	2022-2023	
		BUDGET	ACTUAL
	<b>Staffing &amp; Coordination</b>		
	County of San Mateo Coordination Services	\$148,031	\$ 69,826
	Roundtable Aviation Technical Consultant	\$90,000	\$ 26,632
		<b>\$238,031</b>	<b>\$ 96,458</b>

ADMINISTRATION / OPERATIONS	BUDGET	ACTUAL
Meeting Room * In-Kind Millbrae		
Postage / Printing	\$300	
Website	\$1,800	\$ 107
Data Storage & Conference Services	\$900	
Miscellaneous Office Expenses/Equipment	\$1,500	
Video Services	\$7,000	\$ 1,170
	<b>\$11,500</b>	<b>\$ 1,277</b>

PROJECTS, PROGRAMS, & OTHER	BUDGET	ACTUAL
Noise Conferences Attendance, Coordinator	\$1,500	
Noise Conferences Attendance, Members	\$3,000	
TRACON Field Trip(s)	\$750	
Airport Noise Report subscription	\$850	\$ 2,500
N.O.I.S.E. Membership	\$4,300	
Fly Quiet Awards	\$300	
Special Study		
	<b>\$10,700</b>	<b>\$ 2,500</b>

CONTINGENCY FUND	BUDGET	ACTUAL
Reserve	\$40,000	
	<b>\$40,000</b>	<b>\$ -</b>

**EXPENSES SUBTOTAL \$300,231 \$ 100,235**

UNCOMMITTED FUNDS / YEAR END BALANCE	PROJECTED	ACTUAL
	<b>\$254,656</b>	<b>\$ 470,984</b>



San Francisco International  
Airport/Community Roundtable

455 County Center, 2<sup>nd</sup> Floor  
Redwood City, CA 94063  
T (650) 363-4220  
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[www.sforoundtable.org](http://www.sforoundtable.org)

January 25, 2023

**TO:** Roundtable Representatives, Alternatives, and Interested Persons

**FROM:** Kathleen Wentworth, Roundtable Coordinator

**SUBJECT:** Review/Approval of Resolution 23-02: Designating Roundtable Meeting Dates, Time, and Place for Calendar Year 2023

**BACKGROUND:**

California Government Code Section 54950 et seq., commonly known as the Ralph M. Brown Act (Open Meeting Law for local government bodies) and the adopted Roundtable Bylaws, as amended, require the Roundtable to establish the date, time, and place for holding its Regular Meetings. The amended Roundtable Bylaws state the following:

*“The Roundtable membership shall establish, by adopted resolution, the date, time and place for Regular Roundtable Meetings. Such resolution shall be adopted at the February Regular Meeting or at the first Regular Meeting held thereafter each year.” (Roundtable Bylaws Article VI, Paragraph 1).*

Special meetings, workshops, and other Roundtable related activities may be held as needed, in accordance with the relevant provisions in the Brown Act and the adopted Roundtable Bylaws.

**DISCUSSION:**

The proposed dates are reflective of maintaining six meetings per fiscal year as practiced since 2016. Regular Meetings for calendar year 2023 are to be held at 7:00pm, virtually or in the David Chetcuti Community Room, 450 Poplar Avenue, Millbrae, California, on the first Wednesday of the following months: February, April, June, August, October and December, and therefore with adoption of Roundtable Resolution 23-02, the Regular Meetings would be scheduled as follows:

- **February 1**
- **April 5**
- **June 7**
- **August 2**
- **October 4**
- **December 6**

**RECOMMENDATION:**

Adopt the attached Roundtable Resolution No. 23-02 that specifies the date, time, and place for holding Regular Meetings of the SFO Airport/Community Roundtable, as required by the Brown Act and the Roundtable Bylaws for calendar year 2023.

Attachment: Resolution 23-02

## RESOLUTION NO. 23-02

### A RESOLUTION PROVIDING FOR THE DAY, TIME, AND PLACE FOR HOLDING REGULAR MEETINGS OF THE SAN FRANCISCO INTERNATIONAL AIRPORT/COMMUNITY ROUNDTABLE FOR CALENDAR YEAR 2023

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RESOLVED, by the San Francisco Airport Community Roundtable that

**WHEREAS**, the San Francisco International Airport/Community Roundtable (Roundtable) was established in 1981, via a Memorandum of Understanding (MOU), to serve as a public forum to address community noise issues related to aircraft operations at San Francisco International Airport, and

**WHEREAS**, Article VI, Paragraph I of the adopted Roundtable Bylaws, as amended, requires the Roundtable to establish, by resolution, the date, time, and place for Regular Roundtable Meetings and that such resolution shall be adopted at the February Regular Meeting or at the first Regular Meeting held thereafter, and

**WHEREAS**, the Regular Meetings of the Roundtable are held in accordance with the relevant provisions of the Ralph M. Brown Act, which requires the Roundtable to establish a regular day, time, and place for holding its Regular Meetings (California Government Code Section 54950 et seq.).

**NOW, THEREFORE BE IT RESOLVED**, that the Regular Meetings of the Roundtable shall be scheduled as follows: the first Wednesday of February, April, June, August, October, and December 2023, at 7:00 p.m. virtually or in the David Chetcuti Community Room, 450 Poplar Avenue, Millbrae, California. Special Meetings and workshops may be scheduled and held, as needed, in accordance with the relevant provisions in the Brown Act and the adopted Roundtable Bylaws.

\* \* \* \* \*

Adopted at the Regular meeting of \_\_\_\_\_.

\_\_\_\_\_  
Chairperson

\_\_\_\_\_  
Date



**SFO Airport/Community Roundtable Standing and Ad Hoc Subcommittees  
Updated to Include Work Plan 2022-2023 Tasks**

**STANDING SUBCOMMITTEES**

Name	Role	Active/ Not Active	Members	Meetings	Work Program July 1, 2022- June 30, 2023
Work Program	To establish an annual work program that details the Roundtable focus during the coming fiscal year. Must be aligned with Strategic Plan.	A	5-7	Meets April – May	The current Work Program is effective July 1, 2022 - June 30, 2023.  A revised Work Program will be submitted to the Roundtable in June 2023 for the following fiscal year.
Legislative	Research, analyze, and advise the Roundtable of any existing and/or pending federal legislative actions. Advocate for adoption, modification, or denial thru congressional offices, and FAA.	A	<i>Alvin Royse</i>  Ann Schneider  Pam DiGiovanni	Meets quarterly between Membership meetings	-Work with Congressional delegations to help develop and support aircraft noise-reduction legislation. -Lobby/advocate for improved laws and regulations that foster reduced aircraft noise. -Actively monitor activities from the Congressional Quiet Skies Caucus. -Receive regular reports from N.O.I.S.E., Airport Noise Report, and Congressional Representatives regarding legislation.
Technical Working Group	Technical discussions on specific issues outlined in the Roundtable's Work Plan.	A	<i>Sam Hindi</i>  Ricardo Ortiz  Terry O'Connell	Meets quarterly between Membership meetings	-Working with the Technical Consultant, the RT will evaluate options and advocate for improved nighttime flight procedures. -Evaluate the effective implementation of the NIITE and HUSSH nighttime noise abatement procedures. The Committee will recommend next steps to the full Roundtable. -Actively work with SFO on its proposed Ground Based Augmentation System (GBAS) to provide feedback on proposed GLS approaches including the associated noise evaluations, the Community Flight Procedure Packages and the community evaluation of GLS approaches.
Ground Based Noise	The mission of the Ground-based Noise Subcommittee <sup>1</sup> is to investigate the sources of ground-based noise impacts from San Francisco International Airport and research mitigation.	A	<i>Ann Schneider</i>  Al Royse  Tom Hamilton	Will meet March July November	-Complete the Ground Based Noise Study (Completed) -Create a chart that shows the pros, cons and recommendations from the Study, and make a recommendation to the Membership on next steps. -Address and make recommendations about the noise impacts to surrounding communities from airport and airline ground operations.

<sup>1</sup> Formed October 3, 2018.

Operations and Efficiency	Review meetings and business operations; streamline procedures and governing documents; develop recommendations for any proposed changes to the bylaws.	NA	5-7	As-needed	
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**AD HOC SUBCOMMITTEE**

Name	Role	Active/ Not Active	Members	Meetings	Work Program December 2020- June 2021
Portable Noise Monitor Placement Subcommittee	The mission of the Portable Noise Monitor Placement Subcommittee is to recommend to SFO placement of portable noise monitors.	NA	<i>Terry O'Connell</i>  Mike O'Neill  Cecilia Taylor	As Needed	Recommend to Airport how to prioritize community placement of portable noise monitors: locations, process, and methodology for placement. Meet as needed when applications have been submitted for placement. Recommend locations for under-measured areas.
Strategic Plan	Complete a Membership and community survey.  Develop a 5-year Strategic Plan to inform annual Work Plans.	NA	<i>Ricardo Ortiz,</i>  Dave Pine,  Cecilia Taylor,  Ann Schneider, Mike O'Neill,  Terry O'Connell.	Oct – Nov 2020	Last meet in 2020 to recommend to Roundtable Membership a 2020-2024 Strategic Plan.  <b>2024-2028 Strategic Work Plan next cycle.</b>

Below is a description of the standing and ad hoc subcommittees as adopted and listed in Article VII of the Roundtable's bylaws, as well as the relevant rules and procedures outlined in that same section.

#### Bylaw Subcommittee Procedures

- The creation of a Standing Subcommittee or an Ad Hoc Subcommittee by a majority vote of the Representatives/Alternates present at a Regular Meeting.
- The number of members appointed to a subcommittee of the Roundtable shall consist of less than a quorum of its total membership (no more than 13).
- Standing Subcommittee or Ad Hoc Subcommittee membership and number of meetings shall be based on the following:
  - a. The Chairperson, at his or her discretion, may appoint any Roundtable Representative or Alternate to serve on a Standing Subcommittee or on an Ad Hoc Subcommittee.
  - b. The Roundtable Chairperson and Vice-Chairperson may serve on a Sub-committee or appoint a current member of the Roundtable to serve as the Subcommittee Chairperson. The Roundtable Chairperson shall serve or appoint a Chair of the Subcommittee, and the Subcommittee shall elect the Vice-Chair. When the Chair of the Subcommittee cannot attend a Subcommittee meeting, the Subcommittee Vice-Chair may serve as the Chair for that meeting.
  - c. Each Subcommittee shall meet as many times as necessary to study the issues identified by the Roundtable as a whole and develop and submit final recommendations regarding such issues to the full Roundtable for review/action.
  - d. After the date on which the Roundtable has heard and taken action on an Ad Hoc Subcommittee's final recommendation(s), the Ad Hoc Subcommittee shall cease to exist, unless the Roundtable determines that the Subcommittee must reconvene for the purposes described in this paragraph. In its action on the Ad Hoc Subcommittee recommendation(s), the Roundtable may direct the Subcommittee to reconvene, as necessary to review, refine, and/or revise all or a portion of its recommendation(s). If such action occurs, the Ad Hoc Subcommittee shall be charged with preparing and submitting a subsequent recommendation(s) to the full Roundtable for review/action. After the date on which the Roundtable has received the subsequent Ad Hoc Subcommittee recommendation(s), the Subcommittee shall cease to exist.
- The duties of a chairperson of a Roundtable Subcommittee may include, but are not limited to, presiding over Subcommittee meetings and submitting recommendations to the full Roundtable, regarding the topics/issues addressed by the Subcommittee.

## SFO Airport/Community Roundtable 2023 Meeting Schedule

	Meeting Date	Agenda Review	Materials Due	Publish	Venue
TWG	17-Jan		11-Jan	13-Jan	Zoom
REG	1-Feb	3-Jan	20-Jan	25-Jan	Zoom
LEG	2/14/2023*		8-Feb	10-Feb	Zoom
GBN	3/14/2023*		8-Mar	10-Mar	Chetcuti
TWG	3/21/2023*		15-Mar	17-Mar	TBA
REG	5-Apr	1-Mar	27-Mar	29-Mar	Chetcuti
WP	5/2/2023*		26-Apr	28-Apr	TBA
TWG	5/16/2023*		10-May	12-May	TBA
REG	7-Jun	2-May	29-May	31-May	Chetcuti
LEG	7/5/2023*		28-Jun	30-Jun	TBA
GBN	7/14/2023*		7-Jul	11-Jul	TBA
REG	2-Aug	30-Jun	24-Jul	26-Jul	Chetcuti
TWG	9/1/2023*		25-Aug	29-Aug	TBA
PNMP	9/12/2023*		6-Sep	8-Sep	TBA
REG	4-Oct	4-Sep	25-Sep	27-Sep	Chetcuti
TWG	11/1/2023*		25-Oct	27-Oct	TBA
GBN	11/13/2023*		7-Nov	9-Nov	TBA
REG	6-Dec	2-Nov	27-Nov	29-Nov	Chetcuti

Regular (6)
LEG (2)
TWG (5)
GBN (3)
PNMP (1)
Work Plan Sub (1)

### NOTES:

Staff can accommodate 2 Subcommittee meetings in between meeting month

\*Actual date for subcommittees will be confirmed with Chairpersons after they are confirmed  
 Subcommittee meeting dates are subject to change



# San Francisco International Airport GBAS and GLS

SFO Roundtable Updated on Suggested Procedures  
February 1, 2023



1. Initial Feedback on Roundtable Suggested Procedures
2. Process for Implementing 2A Procedures and Increasing Utilization
3. Next Steps for Group 1 and Group 2A IAs

## SFIA GBAS Flight Procedures Subcommittee Feedback on Roundtable Suggested Procedures

SFO Roundtable submitted **10** suggested procedure concepts for exploration by the SFIA GBAS Flight Procedures Subcommittee

- 3** Suggested procedures will be explored through the Group 2A CFPP process
- 4** Suggested procedures related to direct tie-ins to PIRAT and BDEGA (west) STARs have ATC automation constraints that will require them to be considered in Group 2B and 3
- 2** Suggested procedures were considered beyond the scope of the GBAS project
- 1** Suggested procedure will be explored in the future following outcome of FAA safety study for simultaneous parallel offset approach operations

Possibility to explore a revised Increased Utilization via NCT LOA that would prioritize nighttime arrival/approach operations into SFO using increasingly overwater approaches to 28R (GLS-U, RNP-Y and Group 2A concepts)

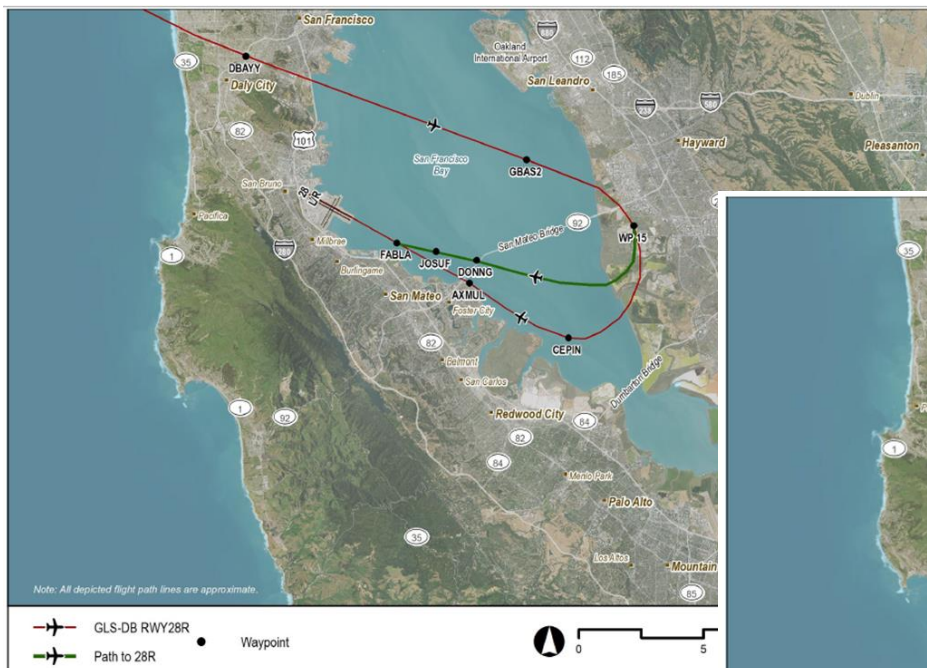
# Overview of SFO Roundtable Suggested Procedures and SFIA GBAS Subcommittee Feedback

Suggested Procedure	Description	GBAS Project Team Feedback	Next Steps
1	Down the Bay to RNP-Y	Group 2A	Produce CFPPs in FEB/MAR23
2 A	RNP-Y / GLS-U Initial Approaches from BDEGA (West)	Group 2B or 3	Save and review during "Increased Utilization Phase" or during Group 2B/3 outreach
2 B	Slight Modification to RNP-Y / GLS-U	Group 2A	Produce CFPPs in FEB/MAR23
2 C	RNP-Y / GLS-U Initial Approaches from PIRAT	Group 2B or 3	Save and review during "Increased Utilization Phase" or during Group 2B/3 outreach
3 A	RNP-Y / GLS-U Initial Approaches from BDEGA (West)	Group 2B or 3	Save and review during "Increased Utilization Phase" or during Group 2B/3 outreach
3 B	Significant Modification to RNP-Y / GLS-U	Group 2A	Produce CFPPs in FEB/MAR23
3 C	RNP-Y / GLS-U Initial Approaches from PIRAT	Group 2B or 3	Save and review during "Increased Utilization Phase" or during Group 2B/3 outreach
4	Changes to STINS/STLER	Beyond GBAS Project Scope	Pursue via FAA CEO request or revisit following MARS criteria (Group 3)
5	Changes to Arrivals from the Southeast	Beyond GBAS Project Scope	Pursue via FAA CEO request
6	Revised 28L/28R Simultaneous approach Design	Non-GBAS Safety issues at other airports in the NAS	Revisit following FAA exploration of simultaneous approach criteria



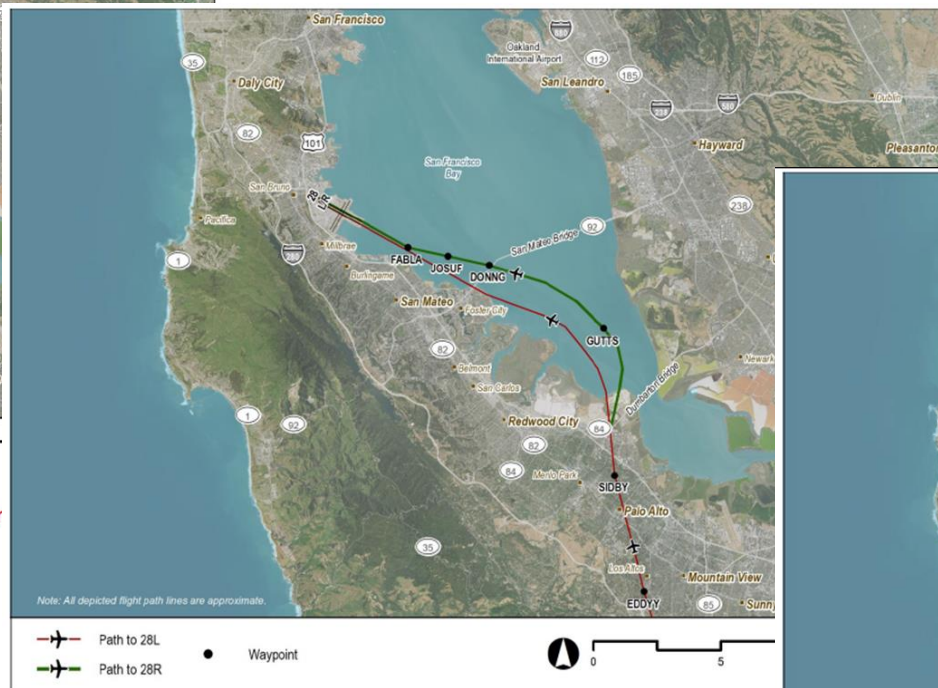
# SFO Roundtable Suggested Procedures for Group 2A Evaluation

Suggested procedures all involve increased utilization of overwater flight and higher altitudes over residential areas. Procedures are anticipated to be used during late night operations or low traffic periods



EXAMPLE: suggested modification of the GBAS "Down the Bay" (red line) an offset path to 28R until passing the San Mateo Bridge (green line)  
Meeting 341  
Packet Page 34

## GLS-DBN Rwy 28R



Green line: suggested offset path to 28R until passing the San Mateo

## GLS-OW1 Rwy 28R



## GLS-OW2 Rwy 28R

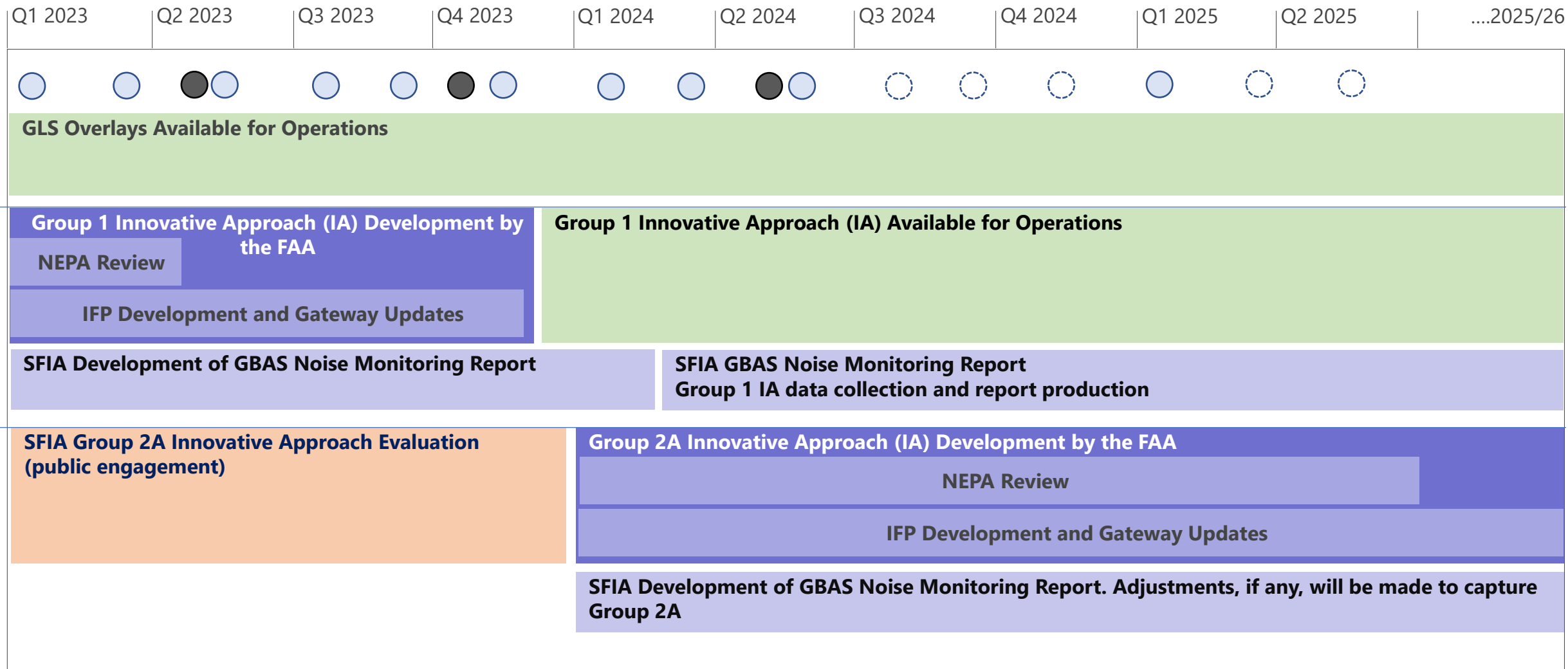
Green line: suggested wide circuitous offset path to 28R until passing the San Mateo Bridge

SFIA GBAS Flight Procedures Subcommittee is currently exploring the following procedures for Group 2A

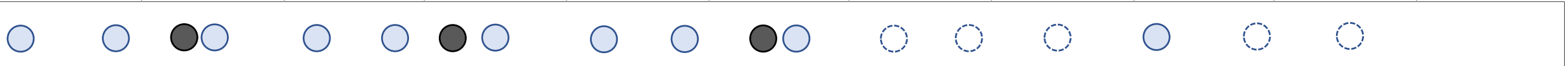
- GLS CAT II Rwy 28R – Addition of CAT II minimums to current GLS overlay approach on Rwy 28R
- GLS CAT II Rwy 19L – Addition of CAT II minimums to current GLS overlay approach on Rwy 19L
- GLS SB Rwy 19L - New approach to Rwy 19L which overlays vector path used heavily by NCT during Southeast Flow
- GLS DBN Rwy 28R – Roundtable suggested procedure
- GLS OW1 Rwy 28R – Roundtable suggested procedure
- GLS OW2 Rwy 28R – Roundtable suggested procedure

SFIA GBAS Project team plans to produce CFPPs for these procedures for publication on the [noise.flysfo.com](https://noise.flysfo.com) website and present them to the SFO Roundtable TWG in MAR23

# SFIA GLS Procedure Development Schedule and Planned Outreach



Q1 2023 | Q2 2023 | Q3 2023 | Q4 2023 | Q1 2024 | Q2 2024 | Q3 2024 | Q4 2024 | Q1 2025 | Q2 2025 | ....2025/26



**GLS Overlays Available for Operations**

GROUP 1

**Group 1 Innovative Approach (IA) Development by the FAA**  
 NEPA Review  
 IFP Development and Gateway Updates

**Group 1 Innovative Approach (IA) Available for Operations**

**SFIA Development of GBAS Noise Monitoring Report**

**SFIA GBAS Noise Monitoring Report Group 1 IA data collection and report production**

GROUP 2A

**SFIA Group 2A Innovative Approach Evaluation (public engagement)**

**Group 2A Innovative Approach (IA) Development by the FAA**  
 NEPA Review  
 IFP Development and Gateway Updates

**SFIA Development of GBAS Noise Monitoring Report. Adjustments, if any, will be made to capture Group 2A**

- SFO Roundtable TWG presentation
- SFO Roundtable TWG update
- Other Public Presentation (LATO/IGWG, and others)

GBAS Project Team to share Group 2A CFPPs with SFO Roundtable and members of the public in late February or early March of 2023

GBAS Project Team will seek approval from SFO Roundtable and members of the public on which Group 2A CFPPs to submit to the FAA by December 2023

GBAS Project Team expects SFO Roundtable and members of the public to provide feedback on Group 2A CFPPs between March and November of 2023

Questions?



[SFO.GBAS@flysfo.com](mailto:SFO.GBAS@flysfo.com)



## MEMORANDUM

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**To:** SFO Community Roundtable Members and Interested Parties

**From:** Jason R. Stoddard, Senior Airspace Analyst  
Eugene M. Reindel, Vice President

**Date:** December 08, 2022

**Subject:** Federal Aviation Administration (FAA) Instrument Flight Procedures (IFP)  
Information Gateway Review

**Reference:** HMMH Project Number 312310

---

At the request of the Roundtable, Harris Miller Miller & Hanson Inc. (HMMH) is monitoring and reviewing updates to procedures published onto the FAA's IFP Information Gateway in the regions of San Francisco International Airport (SFO), Metropolitan Oakland International Airport (OAK), and Norman Y. Mineta San Jose International Airport (SJC).

After analyzing the documents posted, HMMH determines proposed changes and the reason for the changes. The FAA IFP Information Gateway published four updates at OAK and two updates at SJC. One comment period at SFO is currently open. The next publication is expected on December 29, 2022.

### Important Terms and Items:

- FAA Stage Definitions
  1. FPT: Procedures are coordinated with Air Traffic, Tech Ops and Airports for feasibility, preparation, and priority (FPO)
  2. DEV: Development of the procedures
  3. FC: FAA Flight Inspection of the developed procedures
  4. PIT: Production Integration Team (TS)
  5. CHARTING: Procedures at Arnav Products Charting for publication (NACO)
- FAA Status Definitions
  1. At Flight Check: At Flight Inspection for procedure validation
  2. Awaiting Publication: At Arnav Products Charting for publication
  3. Complete: Procedure development action finished
  4. On Hold: Procedure waiting data/information to allow it to proceed/continue to next stage
  5. Pending: Procedure development work on-going
  6. Published: Procedure charted and published
  7. Under Development: Procedure is being worked on by the FAA
  8. Terminated: Procedure/project terminated
- Glossary
  - RNAV: Area Navigation
  - IAP: Instrument Approach procedure
  - STAR: Standard Terminal Arrival Route
  - SID: Standard Instrument Departure
  - GPS: Global Positioning System
  - ILS: Instrument Landing System
  - LOC: Localizer

**Updates:**

- OAK OAKLAND SIX - DEPARTURE
  - Status changed to Pending
  - Scheduled Publication Date of January 25, 2024
  
- OAK BANND THREE - STAR (RNAV)
  - Status changed to Pending
  - Scheduled Publication Date of March 21, 2024
  
- OAK OAKES THREE – STAR (RNAV)
  - Status changed to Pending
  - Scheduled Publication Date of March 21, 2024
  
- OAK SHARR TWO – STAR (RNAV)
  - Status changed to Pending
  - Scheduled Publication Date of March 21, 2024
  
- SJC MINETA ONE - DEPARTURE
  - Status changed to Pending
  - Scheduled Publication Date of November 30, 2023
  
- SJC BRIXX FOUR – STAR (RNAV)
  - Status changed to Pending
  - Scheduled Publication Date of January 25, 2024

**Open Comment Periods:**

- GNNRR THREE DEPARTURE (RNAV) at SFO
  - Comment period ends December 13, 2022
  - The following changes are expected:
    - ALLBE, BAART, and ALANN transitions would be removed
    - BEBOP and CINNY transitions would be added
    - Minimum crossing altitude of at or above 2,500 ft (MSL) would be added at GNNRR waypoint
    - Climb gradient for Runway 28L would be changed from: 500 ft per nautical mile up to an altitude of 820 ft (MSL) to: 500 ft per nautical mile up to an altitude of 513 ft (MSL) then 380 ft per nautical mile up to an altitude of 1,400 ft (MSL)
    - Climb gradient for Runway 28R would be changed from: 500 ft per nautical mile up to an altitude of 820 ft (MSL) to: 500 ft per nautical mile up to an altitude of 1,300 ft (MSL)

\* All changes to transitions occur over the ocean and after waypoint GNNRR

- Concerns can be submitted via [https://www.faa.gov/air\\_traffic/flight\\_info/aeronav/aero\\_data/Aeronautical\\_Inquiries/?details=SFO%20\(%20KSFO\)%20SAN%20FRANCISCO%20INTL,%20SAN%20FRANCISCO,%20CA%20%20SID%20GNNRR%20THREE%20\(RNAV\)&procedureName=SID%20GNNRR%20THREE%20\(RNAV\)&airportCode=%20SFO&airportName=SAN%20FRANCISCO%20INTL&airportState=CA](https://www.faa.gov/air_traffic/flight_info/aeronav/aero_data/Aeronautical_Inquiries/?details=SFO%20(%20KSFO)%20SAN%20FRANCISCO%20INTL,%20SAN%20FRANCISCO,%20CA%20%20SID%20GNNRR%20THREE%20(RNAV)&procedureName=SID%20GNNRR%20THREE%20(RNAV)&airportCode=%20SFO&airportName=SAN%20FRANCISCO%20INTL&airportState=CA)

**Next Publication:**

We expect the following updates in the December 29, 2022 publication:

- SFO
  - GNNRR THREE DEPARTURE (RNAV)
    - Currently Awaiting Publication
    - Scheduled Publication date of December 29, 2022





## MEMORANDUM

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**To:** SFO Community Roundtable Members and Interested Parties

**From:** Jason R. Stoddard, Senior Airspace Analyst  
Eugene M. Reindel, Vice President

**Date:** January 06, 2023

**Subject:** Federal Aviation Administration (FAA) Instrument Flight Procedures (IFP)  
Information Gateway Review

**Reference:** HMMH Project Number 312310

---

At the request of the Roundtable, Harris Miller Miller & Hanson Inc. (HMMH) is monitoring and reviewing updates to procedures published onto the FAA's IFP Information Gateway in the regions of San Francisco International Airport (SFO), Metropolitan Oakland International Airport (OAK), and Norman Y. Mineta San Jose International Airport (SJC).

After analyzing the documents posted, HMMH determines proposed changes and the reason for the changes. The FAA IFP Information Gateway published five updates at SFO. There are currently no open comment periods. The next publication is expected on January 26, 2023.

### Important Terms and Items:

- FAA Stage Definitions
  1. FPT: Procedures are coordinated with Air Traffic, Tech Ops and Airports for feasibility, preparation, and priority (FPO)
  2. DEV: Development of the procedures
  3. FC: FAA Flight Inspection of the developed procedures
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  - IAP: Instrument Approach procedure
  - STAR: Standard Terminal Arrival Route
  - SID: Standard Instrument Departure
  - GPS: Global Positioning System
  - ILS: Instrument Landing System
  - LOC: Localizer

**Updates:**

- SFO GNNRR THREE – SID (RNAV)
  - Status changed to Published
  - Actual Publication Date of December 29, 2022
  
- SFO GLS RWY 19R AMDT 0A
  - Status changed to Awaiting Publication
  - Scheduled Publication Date of February 23, 2023
  
- SFO GLS RWY 28L AMDT 0A
  - Status changed to Awaiting Publication
  - Scheduled Publication Date of February 23, 2023
  
- SFO GLS RWY 28R AMDT 0A
  - Status changed to Awaiting Publication
  - Scheduled Publication Date of February 23, 2023
  
- SFO GLS RWY 19L AMDT 0A
  - Status changed to Awaiting Publication
  - Scheduled Publication Date of February 23, 2023

**Open Comment Periods:**

- None

**Next Publication:**

We do not expect any updates in the January 26, 2023 publication.