

Meeting Agenda

Regular Meeting

6:00 p.m. Aircraft Noise Terminology Tutorial 7:00 p.m. Regular Roundtable Meeting

Wednesday, October 4, 2023

VIA HYBRID ACCESS

David J. Chetcuti Community Room 450 Poplar Ave | Millbrae, CA 94030 *see attached map & parking directions

Public may also join the virtual webinar: https://smcgov.zoom.us/j/99504028352
Or Dial in:

US: +1(669)900-6833 Webinar ID: 995 0402 8352

AIRCRAFT NOISE TERMINOLOGY TUTORIAL 6:00 pm

Followed by the SFO Community Roundtable Meeting at 7:00 p.m. (approximately).

Public comment will be taken at the end of the tutorial.

1. Aircraft Noise Terminology Tutorial

Gene Reindel, Technical Consultant
Attachment: Aircraft Noise Terminology Presentation

Questions and discussion on Aircraft Noise Terminology from Roundtable Members
Gene Reindel, Technical Consultant
Bert Ganoung, Aircraft Noise Office Manager

SFO Community Roundtable Regular Meeting Meeting No. 346 7:00pm

This meeting of the San Francisco Airport Community Roundtable will be in person at the above mentioned address. Members of the public will be able to participate in the meeting remotely via the Zoom platform or in person at David J. Chetcuti Community Room 450 Poplar Avenue, Millbrae, CA 94030 and Belle Haven Library, 413 Ivy Drive, Menlo Park, CA 94025. For information regarding how to

Working together for quieter skies



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Regular Meeting Agenda

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participate in the meeting, either in person or remotely, please refer to instructions at the end of the agenda.

HYBRID PUBLIC PARTICIPATION:

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

Public Comment

*Written public comments can be emailed to <u>amontescardenas@smcgov.org</u>, and should include specific agenda item to which you are commenting.

*Spoken public comments will also be accepted during the meeting in-person or via Zoom on Items NOT on the Agenda, Consent Agenda, for each Regular Agenda Item and at the end of Presentations, at the option of the speaker.

ADA Requests

Individuals who require 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 packet or other writings that may be distributed at the meeting, should contact Angela Montes, as early as possible but no later than 10:00am the day before the meeting at amontescardenas@smcgov.org. Notification in advance of the meeting will enable Staff to make reasonable arrangements to ensure accessibility to this meeting, the materials related to it, and your ability to comment.

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. August 2, 2023 Regular Meeting

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2. Airport Director's Reports

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

Regular Meeting Agenda October 4, 2023 / Meeting No. 346 Page 3 of 3	
a. July 2023 b. August 2023	pg. 35 pg. 42
3. Fiscal Year to Date Budget Update	pg. 49
PRESENTATIONS District Commence on Description in the state of the st	A:
Public Comment on Presentation items will be taken after the last item under presenta	tions.
 FAA Update on NIITE/HUSSH - SFO Nighttime Noise Abatement Departure Procedur Joseph Bert, FAA Western Region Team Manager 	e
 NCT – NorCal TRACON – Northern California Terminal Radar Approach Control Jason Stoddard, HMMH Airspace Analyst Attachment: Northern California Terminal Radar Approach Control (NorCal TRACON) Overview 	pg. 50 v
6. Chairman's Update Sam Hindi, Roundtable Chairperson Attachment(s): TRACON flyer	pg. 63
7. Airport Director's Update Ivar Satero, Airport Director	
a. Noise Office Update Bert Ganoung, SFO Noise Office Manager	
8. Aircraft Noise Terminology Tutorial: Continued questions and discussion Gene Reindel, Technical Consultant Bert Ganoung, Aircraft Noise Office Manager	
9. Subcommittee Updates	
a. Technical Working Group on August 29, 2023 Sam Hindi, Roundtable Chairperson Attachment: Subcommittee Agenda	pg. 65
b. Portable Noise Monitor Placement Ad-Hoc on September 22, 2023 Cecilia Taylor, PNMP Ad-Hoc Subcommittee Chairperson Attachment: Subcommittee Agenda	pg. 68
MEETING CLOSURE	
Member Communications / Announcements Roundtable Members and Staff	
11. Adjourn Sam Hindi, Roundtable Chairperson	
i. HMMH FAA IFP Information Gateway Review – August & September 2023 ii. Title 21 – 2023 Q2 (via link) iii. Letter to Congress re FAA Reauthorization – August 16, 2023	pg. 71 pg. 76

**Instructions for Public Comment during Meeting

During the meeting, members of the public may address the Membership 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 sforoundtable@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 5:00 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:

In-person Participation:

1. If you wish to speak to the Membership, please fill out a speaker's slip located at the entrance. If you have anything you wish distributed to the Membership and included in the official record, please hand it to the Clerk who will distribute the information to the Membership and Staff.

Via Teleconference (Zoom):

- The meeting may be accessed through Zoom online at https://smcgov.zoom.us/s/99504028352. The webinar ID: 995 0402 8352. The meeting may also be accessed via telephone by dialing in +1-669-900-6833, entering webinar ID then press #. Members of the public can also attend this meeting physically in the David J. Chetcuti Community Room 450 Poplar Avenue, Millbrae, CA 94030 and Belle Haven Library, 413 Ivy Drive, Menlo Park, CA 94025.
- 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.
- 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 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.

*Additional Information:

For any questions or concerns regarding Zoom, including troubleshooting, privacy, or security settings, please contact Zoom directly.

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.



Welcome

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 in-person or via Zoom.

- For written comments you may email your comments ahead of time to sforoundtable@smcgov.org.
- To speak during the meeting in-person, submit a speaker slip to staff.
- To speak during the meeting via Zoom, you may use "raise-hand."
- The Roundtable Staff will call your name and allow you to speak. 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 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 450 Poplar Avenue, Millbrae, California unless otherwise noted. Meetings are also broadcast via Zoom to encourage public participation. 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

March 2023

CITY AND COUNTY OF SAN FRANCISCO BOARD OF SUPERVISORS

Vacant

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: Drew Combs

CITY OF MILLBRAE

Ann Schneider

Alternate: Angelina Cahalan

CITY OF PACIFICA

Christine Boles

Alternate: Sue Vaterlaus

TOWN OF PORTOLA VALLEY

Judith Hasko

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 Carlette Young, Office of Regional Administrator 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

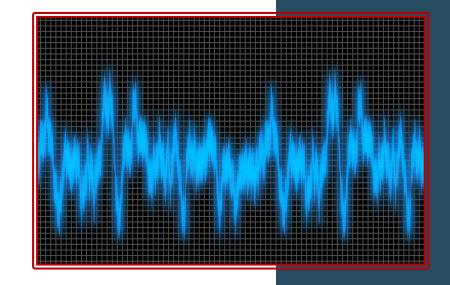
Aircraft Noise Terminology

SFO Airport/Community Noise Roundtable
October 2023



Purpose:

- To become familiar with aircraft noise terminology
- To understand single-event noise levels and metrics
- To understand cumulative noise levels and metrics



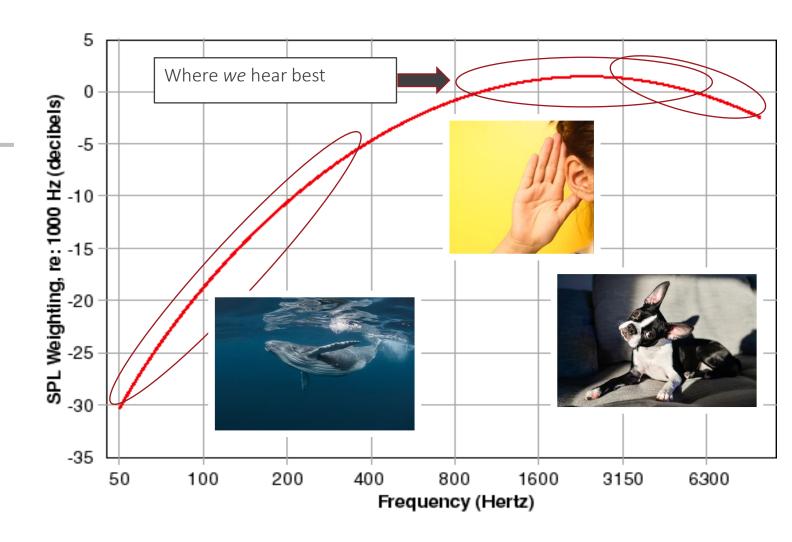
Presentation Outline:

- Definitions of commonly used aircraft noise metrics
- How single-event noise levels build up to a cumulative noise level
- Introduction to other (less commonly used) noise metrics



A-Weighted Sound Level

- Human auditory system not equally sensitive to all frequencies
- A-weighting measures sound the way we hear it
- The EPA has adopted the Aweighted sound level for environmental analyses





Low-Frequency Noise

- At locations near an airport that are affected by ground noise, such as:
 - Behind the start-of-takeoff-roll
 - Sideline to runways where aircraft are still on the ground:
 - During departure roll
 - Upon arrival using thrust reverse to slow down on the runway
 - Locations protected by noise barriers



Note: Jet aircraft maximum noise levels are generally directed 120 degrees from the aircraft heading (30 degrees back from sideline)

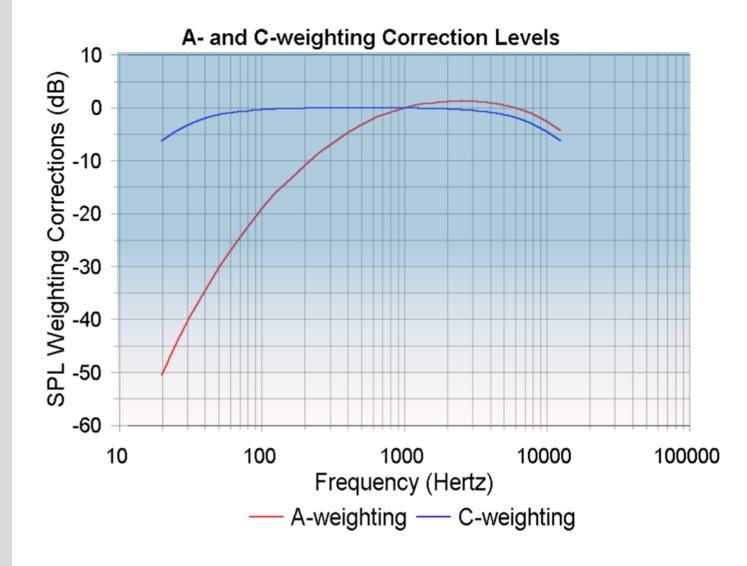
Note: Jet aircraft maximum noise levels are generally directed 120 degrees from the aircraft heading (30 degrees back from sideline)

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C-Weighting Versus A-Weighting

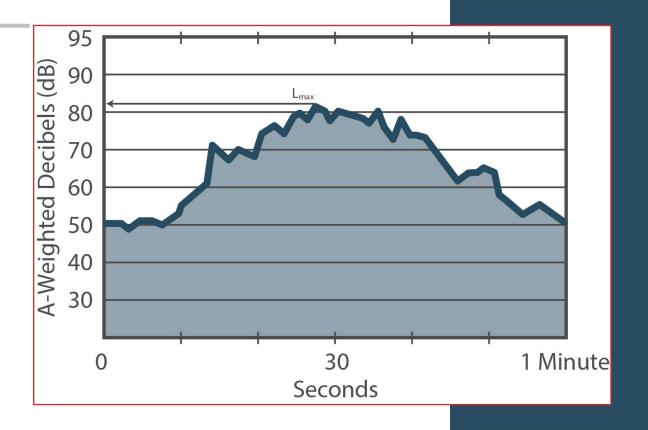
- A-Weighting: Like the human ear, discounts the lower and higher frequencies that the average person does not hear well
- C-Weighting: Represents what humans hear when the sound is very loud (like a noisy factory); becoming more sensitive to the lower frequencies





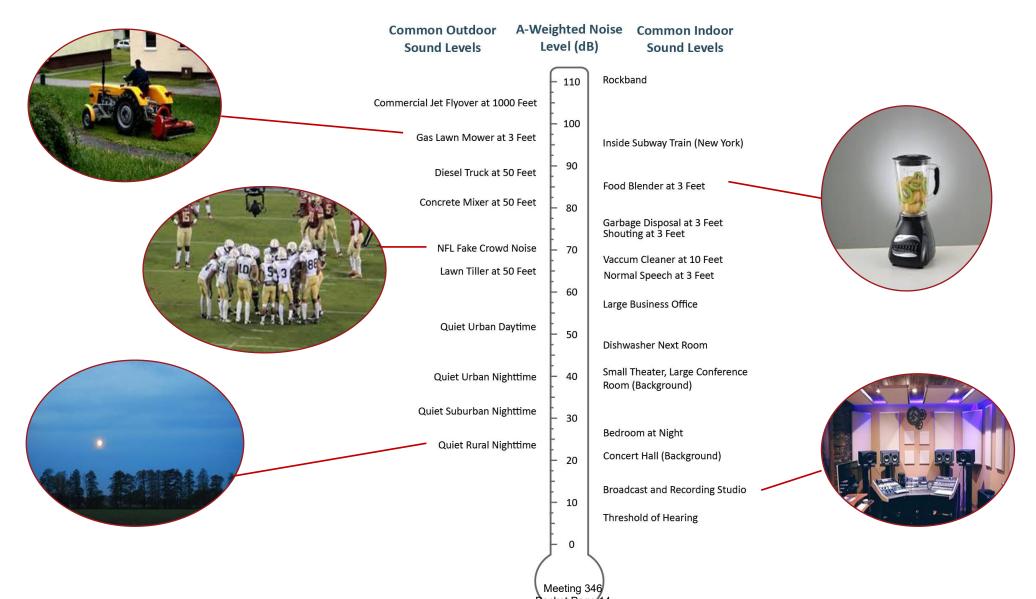
Maximum Sound Level

- Because of the variation in level of a noise event, it is convenient to describe the event with its maximum sound level, abbreviated as L_{max}
- L_{max} accounts only for sound amplitude (A-weighted sound level), not duration
- Two events may have the same maximum level, but much different exposures





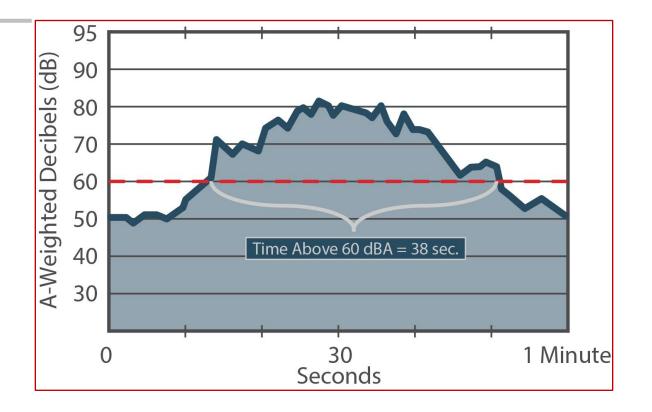
Common Environmental A-weighted Sound Levels





Time Above a Threshold Level (TA)

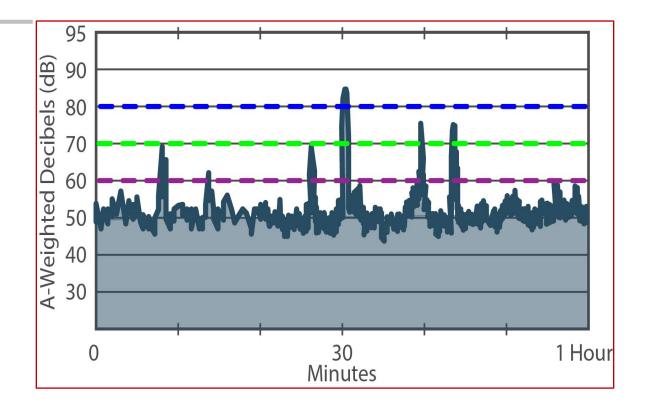
- Another means of describing noise events is TA, the amount of time the level is above a threshold sound level
- TA accounts only for duration, but not magnitude





Number of Events Above a Threshold Level (N-Above or NA)

- People often understand number of events above a given level better than DNL
- In this example:
 - N80= 1
 - N70 = 3
 - N60= 6
- N-Above may be useful for evaluating sleep disturbance (select threshold based on sleep disturbance criterion)





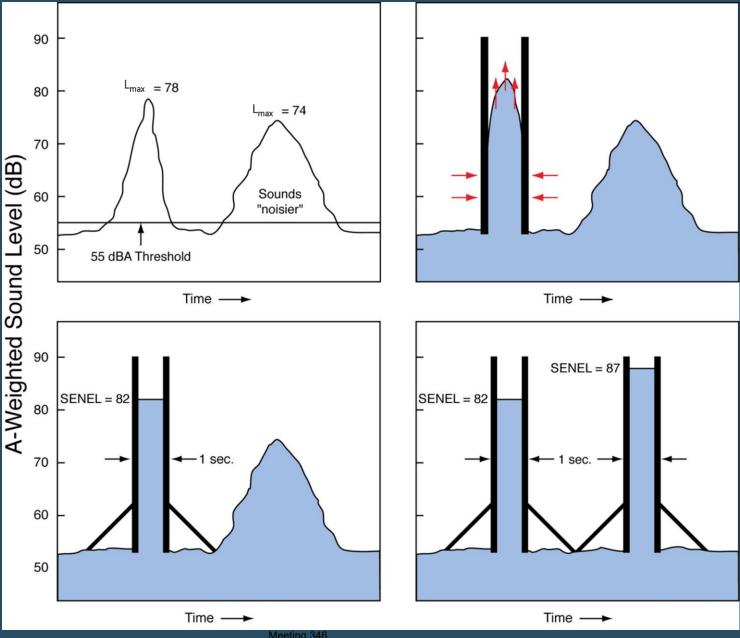
Sound Exposure Level (SEL)

- SEL is a way to describe the "noisiness" of a complete noise event
- SEL accounts for:
 - Noise level
 - Noise event duration
- Single Event Noise Exposure Level (SENEL)
 - Essentially the same as SEL
 - Requires a "predetermined threshold noise level"



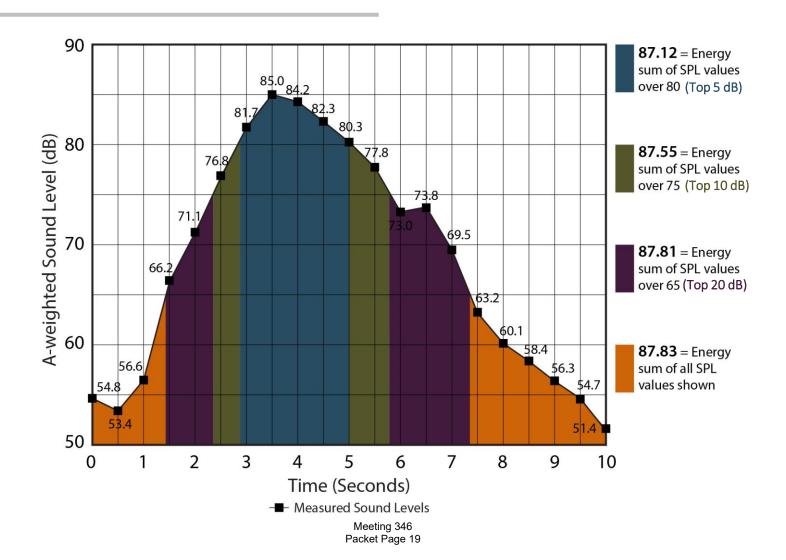
SENEL / L_{max} Comparison

Concept Illustration





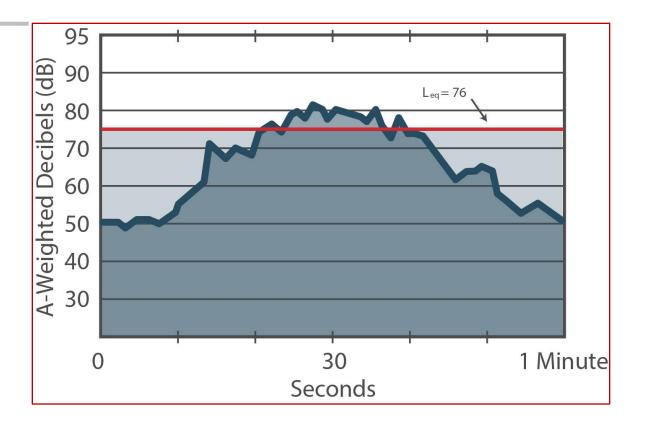
SEL Sample Calculation





Equivalent Sound Level (L_{eq})

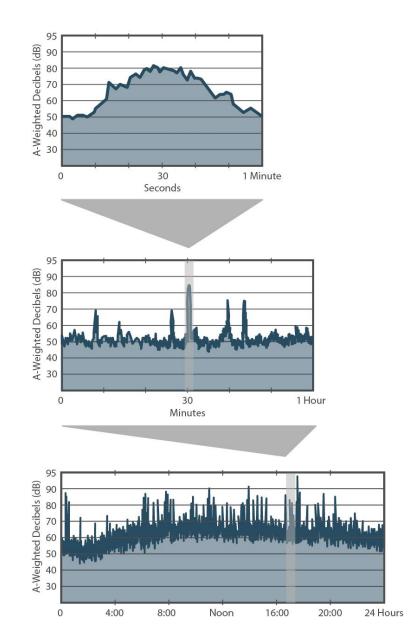
- L_{eq} is a constant noise level, "equivalent" (on an energy basis) to a time-varying sound level over the same duration
- L_{eq} is time-averaged
- L_{eq} accounts for noise level and time
- L_{eq} is a "cumulative" metric





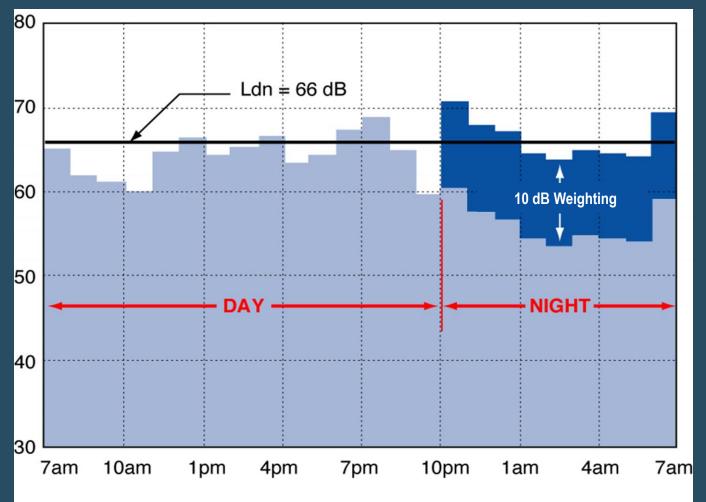
Day-Night Average Sound Level (DNL)

- DNL is a way to describe the noise dose for a 24-hour period
- DNL accounts for event "noisiness" (SEL)
- DNL accounts for number of noise events
- DNL provides an additional weighting for nighttime operations





DNL Nighttime Weighting



- Nighttime noise gets
 a 10 dB weighting
- Nighttime is defined as 10:00pm to 7:00am
- DNL is also denoted as L_{dn}



Calculation of DNL

These equations are equivalent:

$$L_{dn} = 10 \log \left(\frac{1}{86,400} \sum_{i=1}^{n} 10^{\frac{SEL_i + w_i}{10}} \right)$$

$$L_{dn} = 10 Log_{10} \left[\sum_{i=1}^{N} 10^{(SEL_i + w_i)/10} \right] - 49.4$$

where

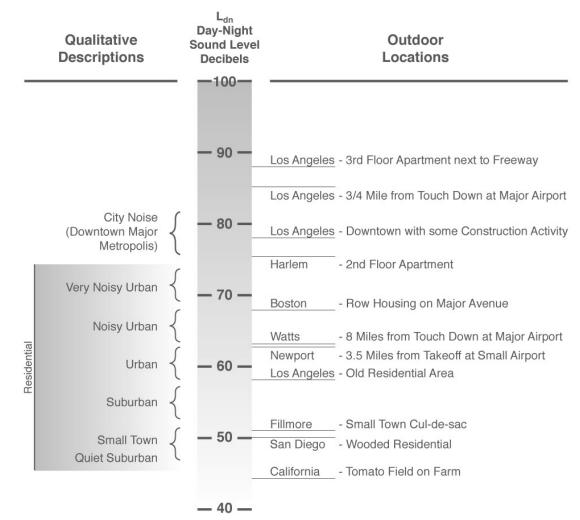
 SEL_i = SEL value of the ith noise event

 w_i = weighting (0 or 10) of the ith noise event

N or n = number of noise events



Outdoor DNL at Various Locations









Source: EPA Levels document "Information on Levels of Environmental Noise Requisite to Protect Public Health and Welfare with an Adequate Margin of Safety", U.S. Environmental Protection Agency, March 1974.



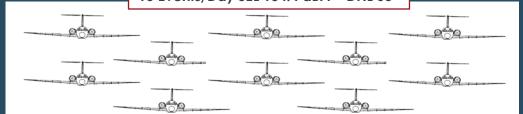
Day-Night Average Sound Level (DNL)

Identical DNL Levels





10 Events/Day SEL 104.4 dBA = DNL 65



100 Events/Day SEL 94.4 dBA = DNL 65

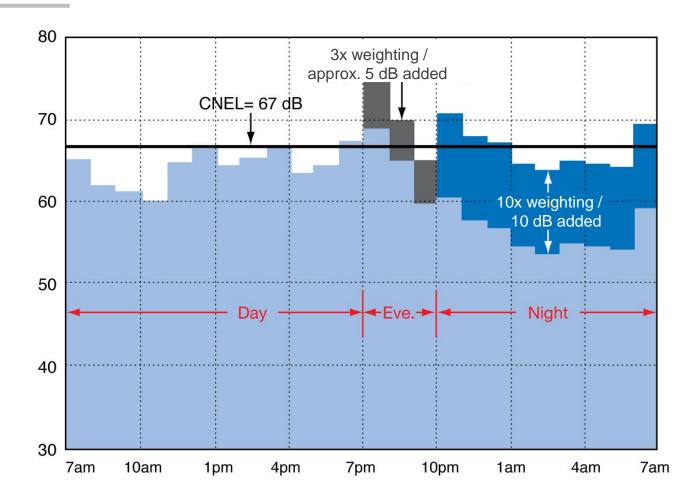




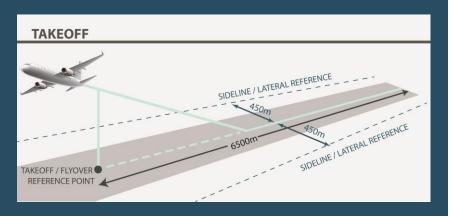
Community Noise Equivalent Level (CNEL)

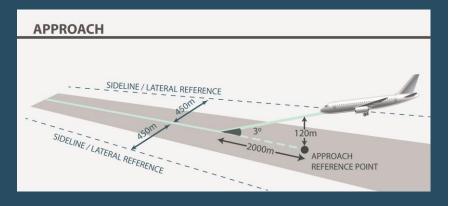
Similar concept to DNL, but CNEL includes an evening weighting

- Daytime is defined as 7:00 am to
 7:00 pm
- Evening is defined as 7:00 pm to 10:00pm
- Nighttime is defined as 10:00pm to 7:00am









Other Single-Event Metrics: Effective Perceived Noise Level (EPNL)

- Based on loudness curves and studies on "noisiness", "annoyance" or "unacceptability" with Perceived Noise (PN) levels reported in units called noys
- Further refinements for duration (D) and presence of pure tones (C):

$$EPNL = L_{PN} + C + D$$

- Calculation of EPNL or EPNdB is complex, requires a spreadsheet.
- 14 CFR Part 36, App. A requires "measured" EPNdB as basis for noise certification of jet aircraft & helicopters



Other Cumulative (24 hour) Metrics

24-Hour Metric		based on Single Event Metric	Day Multiplier (7am - 7pm)	Evening Multiplier (7pm - 10pm)	Night Multiplier (10pm - 7am)	where used
DNL	Day-Night Average Sound Level	SEL	1	1	10	most of U.S.
CNEL	Community Noise Equivalent Level	SEL	1	3	10	California, Japan
LAEQ (L _{eq(24)})	Equivalent A- weighted Sound Level (24 hrs)	SEL	1	1	1	
Lden	Day Evening Night Sound Level	SEL	1	3*	10*	European Union
NEF	Noise Exposure Forecast	EPNL	1	1	16.7	Canada
WECPNL	Weighted Equivalent Continuous Perceived Noise Level	EPNL	1	3	10	China

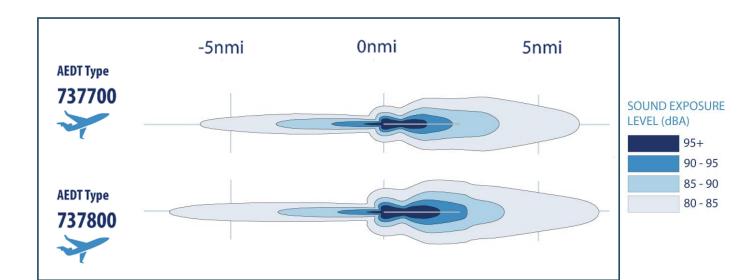


a multiplier of $\frac{3}{10}$ adds $\frac{4.77}{10}$ dB

^{*} definition of evening and night timeframes is left to the state to determine

FAA-Recommended "Supplemental" Metrics

- Sound Exposure Level (SEL):
 - for analysis of noise abatement flight tracks, procedures
- Maximum Sound Level, L_{max}
 - for analysis of noise abatement flight tracks, procedures
 - for assessment of speech, sleep interference
- Time Above Threshold (TA):
 - for informational purposes
- Equivalent Noise Level (L_{eq(x)}):
 - for analysis of schools, etc.
- Number of events Above Threshold (NA)
 - for informational purposes





Questions?

The purpose of this presentation was to:

- To become familiar with aircraft noise terminology
- To understand single-event noise levels and metrics
- To understand cumulative noise levels and metrics



SFO Airport/Community Roundtable

Meeting No. 345 Minutes Wednesday, August 2, 2023

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 7:05 p.m., at the Millbrae Library and also via Zoom, Kathleen Wentworth called the roll. A quorum (at least 13 Regular Members) was present as follows:

REGULAR MEMBERS PRESENT

Doug Yakel – 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)

Robin Pang-Maganaris – City of Belmont

Ricardo Ortiz - City of Burlingame

Pamela DiGiovanni – City of Daly City

Sam Hindi – City of Foster City

Alvin Royse – Town of Hillsborough

Ann Schneider – City of Millbrae

Christine Boles - City of Pacifica

Judith Hasko – Town of Portola Valley

Kaia Eakin - City of Redwood City

Pranita Venkatesh - City of San Carlos

Rob Newsom – City of San Mateo

Mark Addiego - City of South San Francisco

Paul Goeld - Town of Woodside

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 Brisbane

Town of Colma

City of East Palo Alto

City of Half Moon Bay

City of Menlo Park

City of San Bruno

ROUNDTABLE STAFF

Kathleen Wentworth – Roundtable Coordinator

Angela Montes Cardenas – Roundtable Administrative Secretary

Eugene Reindel – Roundtable Technical Consultant (HMMH)

Lisa Aozasa - County of San Mateo, Deputy Community Development Director

ADDITIONAL ATTENDEES PRESENT

Linda Wolin – Chief of Staff to Supervisor Dave Pine

SAN FRANCISCO INTERNATIONAL AIRPORT STAFF

Bert Ganoung – Noise Office Manager

Luis Moreno - Project Manager

Anthony Carpeneti – Aircraft Noise Specialist

Regular Meeting Action Minutes / Meeting No. 345

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Anneliese Taing – Aircraft Noise Specialist

FAA STAFF

Moifair Chin, Community Engagement Officer

Chairman Hindi recognized that the meeting is taking place on the ancestral homeland of Ramaytush Ohlone. He reminded the Members of the best practices for an efficient, productive and respectful meeting. He noted that the expert information resources available at meetings for the Roundtable, are the Roundtable Technical Consultant, the SFO Aircraft Noise Office staff & the Roundtable Coordinator.

Public Comments for Items NOT on the Agenda (00:07:20)

Chairman Hindi opened public comments.

Darlene Yaplee – Palo Alto (00:08:15) Mark Shull – Palo Alto (00:10:42)

Chairman Hindi closed public comments.

Action to set Agenda and to Approve Consent Items 1-2 (00:13:03)

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

<u>ACTION:</u> Ricardo Ortiz **MOVED** to set agenda and to approve consent items 1 & 2, The motion was seconded by Dave Pine and **CARRIED**, roll call vote passed.

3. Action: Consideration of Approval: Annual Work Plan FY 23-24 (00:14:24)

Chairman Hindi summarized the subcommittee meeting on June 27, 2023. He summarized the staff report in the packet page 23. The changes or edits of the proposed Work Plan were noted.

Conversation ensued with Member Schneider regarding air pollution and use of the word *health* in the Work Plan.

Chairman Hindi opened public comment.

Mark Shull – Palo Alto (00:18:45)

Chairman Hindi closed public comment.

<u>ACTION:</u> Alvin Royse **MOVED** to approve the annual work plan FY23-24. The motion was seconded by Ann Schneider and **CARRIED**, roll call vote passed.

4. Action: Consideration of Approval: Annual Budget FY 23-24 (00:21:37)

Ms. Wentworth summarized the staff report in packet page 35. She noted administrative changes to the budget format.

Conversation ensued with Member Ortiz regarding balance. Member Schneider noted cost for Millbrae in-kind donation and additional money for staff. Member Royse added that the

Regular Meeting Action Minutes / Meeting No. 345

August 2, 2023 Page 3 of 4

Roundtable should consider adding additional funds for additional staff. He also noted that membership costs have not increased. Member Eakin noted that at the Work Plan Subcommittee the budget was not fully discussed. Chairman Hindi agreed and said the budget was discussed at the Executive level.

Conversation ensued with Member Boles regarding SFO contribution.

Chairman Hindi opened and closed public comment, no comments were received.

<u>ACTION:</u> Carol Ford **MOVED** to approve the annual budget for FY23-24. The motion was seconded by Ricardo Ortiz and **CARRIED**, roll call vote passed.

5. Action: Consideration of Approval: Legislative Subcommittee Letter to Select Members of Congress and FAA RE: FAA Reauthorization (Minute 00:32:00)

Vice Chairman Royse summarized the letter in packet page 38. He provided background of the timeline of this letter and how the Legislative subcommittee has been working to draft the letter.

Mr. Royse, Ms. Wentworth and Mr. Reindel led review of the letter and the Membership provided feedback.

Chairman Hindi opened public comment.

Darlene Yaplee – Palo Alto (01:07:50)

Chairman Hindi closed public comment.

<u>ACTION:</u> Ann Schneider **MOVED** to approve Legislative Subcommittee letter to select members of Congress and make modifications as legislation changes. The motion was seconded by Ricardo Ortiz and **CARRIED**, roll call vote passed.

6. Chairman's Update (Minute 01:16:10)

Chairman Hindi gave a verbal update to the Membership. He noted that there is no update from the FPPC and Form 700 is not due until they approve the Code for the Membership. He added that Noise 101 videos are on the website and encourages everyone to watch them more than once. He updated the Membership on the future TRACON tour, noise metric tutorial, and advanced air mobility letter.

7. Airport Director Update (Minute 01:25:36)

Mr. Yakel gave a verbal update to the Membership. He noted passenger traffic recovery, flight operations, new airline service, and Air Taxi World Conference to be held at SFO in October 2023.

a. Noise Office Update (Minute 01:27:55)

Mr. Ganoung gave a verbal update to the Membership. He gave an update Colma being added to Noise Reports, Noise Office website update, GBAS, N-Above metric added to June 2023 report, Noise Action Plan update, NIITE/HUSSH tracking,

i. Noise Insulation in Schools (Minute 01:36:48)

Regular Meeting Action Minutes / Meeting No. 345

August 2, 2023 Page 4 of 4

Mr. Moreno gave a verbal update to the Membership. He provided a Noise Insulation Program progress report, educational facilities study update. He continued to speak about each particular school withing the 65 contour. In summary, none of the facilities qualify under FAA Noise Insulation Program criteria, but SFO will continue to monitor eligibility.

Chairman Hindi thanked SFO for conducting the educational facilities study.

Conversation ensued with Member DiGiovanni, Member Schneider, Member Venkatesh, Member Royse, Member Boles, Member Ford and Chairman Hindi.

8. Subcommittee Updates

a. Work Program Subcommittee Meeting on June 27, 2023 (02:01:55)

Subcommittee Chair Hindi noted that topics discussed were summarized under agenda item 3. Meeting may be viewed here.

b. Ground-Based Noise Subcommittee meeting on July 11, 2023 (02:02:08)

Subcommittee Chair Schneider gave a verbal update to the Membership and summarized the July 11, 2023 meeting. Meeting may be <u>viewed here</u>.

c. Legislative Subcommittee Meeting on July 20, 2023 (02:05:58)

Subcommittee Chair Royse noted that topics discussed were summarized under agenda item 5. Meeting may be <u>viewed here</u>.

Public Comments on Presentation Items 6-8 (Minute 02:06:30)

Chairman Hindi opened and closed public comment, no comments were received.

9. Member Communications/Announcements (Minute 02:06:58)

Chairman Hindi shared that on September 9 the Palestine Culture Day will have its 44th annual festival in Foster City. Member Boles shared that on August 5, 2023 Pacifica is hosting the World Championship dog surfing competition.

Moifair Chin, FAA, Community Engagement Officer shared that the air mobility and noise policy review comment period have both been extended.

Chairman Hindi thanked staff for all their hard work.

10. Adjourn

Chairman Hindi adjourned the meeting at approximately 9:15 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.

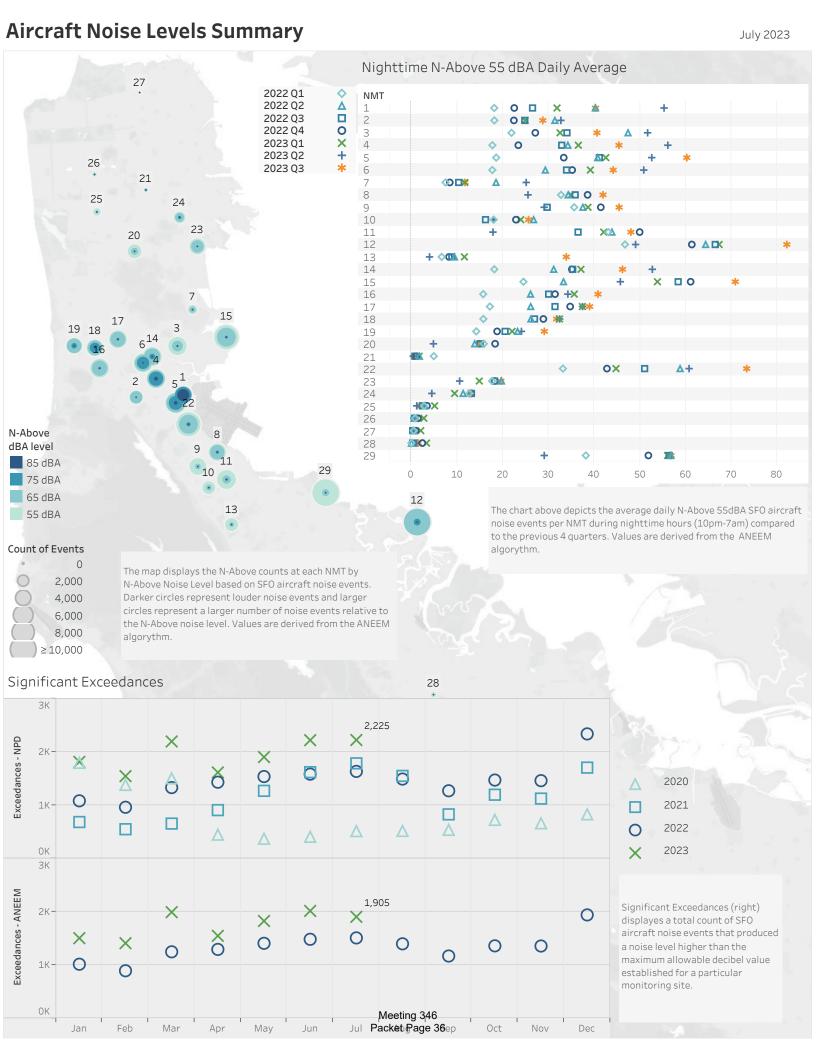


Airport Director's Report

Presented at the October 4, 2023 Airport/Community Roundtable Meeting

Aircraft Noise Office July 2023





Aircraft Noise Levels Details

July 2023

					ANOMS					ANEEM	
				Aircaft		Community				Aircaft	
		Noise Events					Ambient	Noise Events			
NMT	City	(AVG Day)	CNEL (dBA)	SEL (dBA)	LMax (dBA)	CNEL (dBA)	Level (dBA)	(AVG Day)	CNEL (dBA)	SEL (dBA)	LMax (dBA)
1	San Bruno	149	73	94	82	70	56	138	73	94	84
2	San Bruno	79	55	79	68	63	51	84	55	80	68
3	SSF	60	54	79	68	66	45	178	55	76	63
4	SSF	130	67	89	77	60	46	169	67	88	74
5	San Bruno	136	67	89	77	65	48	197	67	87	73
6	SSF	119	63	87	75	58	45	165	63	85	71
7	Brisbane	25	48	78	67	59	48	50	49	75	64
8	Millbrae	11	50	84	73	65	51	137	55	78	67
9	Millbrae	7	38	76	64	58	42	150	52	72	60
10	Burlingame	5	38	78	65	60	43	85	49	73	61
11	Burlingame	8	41	80	67	61	42	183	51	73	61
12	Foster City	358	62	82	71	58	43	436	63	81	69
13	Hillsborough	3	33	78	64	58	43	84	50	73	60
14	SSF	117	59	83	71	64	45	170	59	81	68
15	SSF	157	57	81	69	60	47	272	58	79	66
16	SSF	100	57	81	70	60	45	172	58	79	67
17	SSF	104	57	81	70	59	46	146	58	80	68
18	Daly City	104	62	86	75	62	48	147	62	84	71
19	Pacifica	92	59	83	72	64	42	112	59	82	70
20	Daly City	82	50	77	65	62	44	103	49	74	63
21	San Francisco	39	46	76	63	63	53	11	40	76	66
22	San Bruno	92	58	81	71	65	46	275	60	79	66
23	San Francisco	73	52	79	69	75	47	138	53	77	66
24	San Francisco	90	60	85	73	74	53	81	52	78	66
25	San Francisco	17	40	75	64	59	42	37	41	72	61
26	San Francisco	9	41	78	65	62	49	17	40	74	62
27	San Francisco	5	39	79	67	59	45	13	37	73	62
28	Redwood City	5	37	76	64	51	36	30	38	70	58
29	San Mateo	106	52	77	64	60	48	343	53	73	61

Noise Monitor's CNEL values (above) are derived from actual measured events and are used to validate the 65dBA CNEL noise footprint. Aircraft monthly CNELs from both ANOMS NPD and ANEEM algorithms for each monitor site are provided with daily average aircraft counts, the average Sound Exposure Level (SEL), and average Maximum Level (LMax). Noise levels from other noise sources in the community calculated by ANOMS is provided as Community CNEL. Ambient Level is represented by the LA90 noise value which is the noise level exceeded at the monitor for 90% of the time.

SFO N-Above NPD

SFO N-Above ANEEM

	Min:Max							Min:Max						
NMT	LMax	55 dBA	60 dBA	65 dBA	70 dBA	75 dBA	80 dBA	LMax	55 dBA	60 dbA	65 dBA	70 dBA	75 dBA	80 dBA
1	65:98	4,570	4,570	4,570	4,267	3,810	3,106	58:98	4,255	4,253	4,232	4,140	3,763	3,075
2	61:84	2,516	2,516	2,171	580	28	3	56:80	2,556	2,531	2,130	573	18	0
3	62:91	1,766	1,766	1,448	346	104	26	53:84	4,610	3,734	1,628	308	72	14
4	61:94	4,043	4,043	3,945	3,463	2,869	1,690	53:94	5,004	4,815	4,119	3,495	2,888	1,698
5	62:93	4,148	4,148	4,108	3,685	2,769	1,341	54:90	5,960	5,824	4,910	3,731	2,749	1,322
6	62:90	3,689	3,689	3,622	3,205	2,161	463	53:90	4,966	4,643	3,727	3,196	2,148	460
7	61:83	639	639	466	104	10	2	53:82	1,188	996	497	99	9	1
8	68:87	312	312	312	267	88	22	54:87	4,147	4,014	2,879	810	150	35
9	60:76	74	72	27	8	1	0	53:78	3,905	1,764	438	100	15	0
10	59:78	50	48	18	9	1	0	53:80	2,288	1,450	456	86	13	0
11	60:80	44	44	23	5	3	0	53:82	4,957	2,494	969	374	103	12
12	63:86	11,263	11,263	11,162	7,127	675	24	53:83	13,458	12,626	11,216	7,089	646	11
13	60:74	14	12	4	2	0	0	53:71	2,322	1,346	331	7	0	0
14	61:87	3,611	3,611	3,462	2,145	458	17	53:87	5,010	4,736	3,701	2,138	451	12
15	61:83	4,935	4,935	4,484	1,710	130	14	54:83	8,184	7,607	5,066	1,723	120	7
16	62:87	3,126	3,126	2,994	1,622	102	1	53:79	4,945	4,428	3,338	1,671	103	0
17	61:81	3,213	3,213	3,012	1,569	119	2	53:81	4,388	4,203	3,209	1,541	112	2
18	65:89	2,804	2,804	2,801	2,402	1,517	264	53:89	3,815	3,586	3,054	2,430	1,519	265
19	65:91	2,840	2,840	2,839	2,071	442	18	53:88	3,452	3,352	3,023	2,035	428	14
20	59:87	2,360	2,279	934	287	97	14	53:80	2,622	2,163	692	121	14	1
21	59:81	665	627	209	23	2	1	61:72	217	217	135	13	0	0
22	64:93	2,813	2,813	2,801	1,692	199	15	53:85	8,180	7,318	5,083	2,219	242	11
23	63:85	2,218	2,218	2,049	585	62	7	53:81	3,539	3,352	2,210	569	37	1
24	59:87	2,616	2,611	2,328	1,783	968	135	53:84	1,839	1,642	1,083	534	153	17
25	58:81	404	365	132	26	7	1	53:76	767	504	134	16	2	0
26	60:73	155	154	77	9	0	0	54:72	265	210	63	8	0	0
27	62:77	20	20	13	3	1	0	54:70	92	62	15	1	0	0
28	59:79	76	69	18	4	3	0	53:75	371	98	9	2	1	0
29	59:87	3,462	3,374	875	285	92	24	53:79	10,600	6,470	698	68	7	0

Noise Monitor N-Above values (above) are derived from actual measured events and assigned to aircraft overflights using both ANOMS NPD and ANEEM algorithms. N-Above represents the count of events where the peak noise (LMax) reached above the designated dBA value. Note, the charts on this page represent only SFO aircraft-related noise events.

Packet Page 37

Operations July 2023



15 16

17

18 19 20 21 22 23 24 25 26 27 28 29 30 31

14

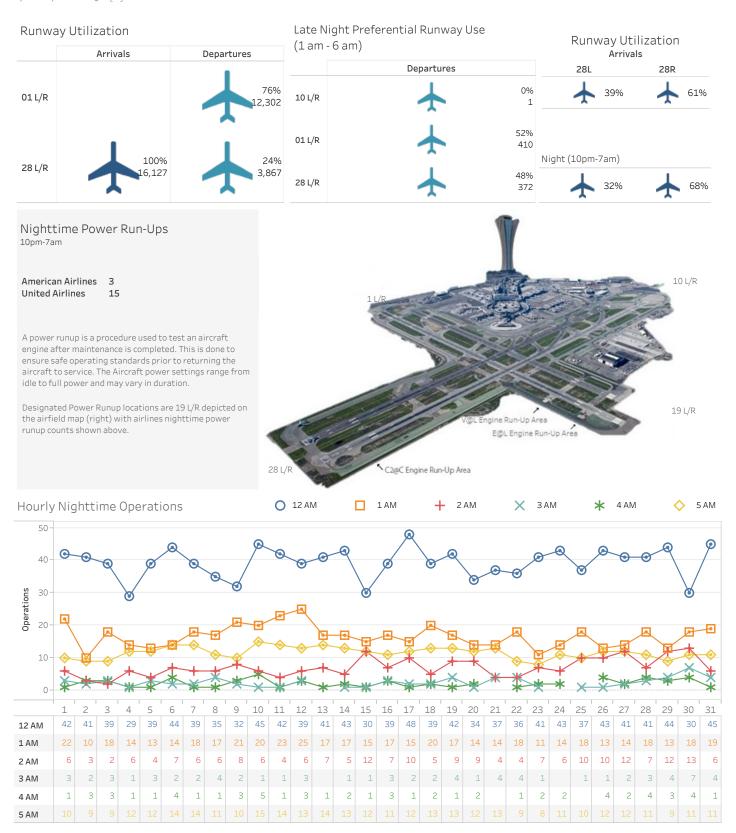
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11 12

500

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.



Noise Reports Reporters Noise Reporters Location Map Annual AVG Noise Reporters / Noise Reports Atherton 2 89 524 Belmont 1 1 Brisbane 16 303 Berkeley Burlingame 6 Reports Annual 6 1,252 Daly City AVG El Granada 1 941 **Emerald Hills** 629 San Francisco 89,825 Alameda Foster City 10 155 Hillsborough 1 116 11 714 Menlo Park New Reporters 9 Millbrae 5 Montara 218 Hayward 1 11 1,295 14 Pacifica 1 Pescadero 1 20 7,974 Portola Valley Redwood City 5 250 New Reporters Top City San Bruno 6 227 San Carlos 2 3 12 1,720 San Francisco Foster City Redwood City 5 152 San Mateo 7 217 South San Francisco Furthest Report 5 1,180 Woodside 1 3 Aptos San Mateo Berkeley 3 449 64 miles **Boulder Creek** 2 10 Capitola 2 57 Castro Valley 1 3 Reports per SFO Cupertino 2 18 Operation Felton 3 61 Fremont 1 137 2 43 7,047 Los Altos Los Altos Hills 10 767 29 3,302 Los Gatos Top Aircraft Moraga 3 71 Types Mountain View 13 2,243 B737 Oakland 7 2,399 A320 Orinda 1 16 E75L 101 Palo Alto 19,115 Richmond 3 95 Top Flight 8,344 Numbers 40 Santa Cruz Santa 22 3,525 Scotts Valley JBU536 23 3,194 Soquel KAL214 384 © 2023 Mapbox © OpenStreetMap Stanford 4 UAL1272 Sunnyvale 2 220 Noise Reports 1 245 **Union City** Hourly Noise Reporters (Average Day in a Month) Watsonville 1 72 **Grand Total** 459 69,230

Address validation Relies on USPS-provided ZIP Code look up table and

Noise Reports by Airport



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



July 2023

Contra Costa

Alamed

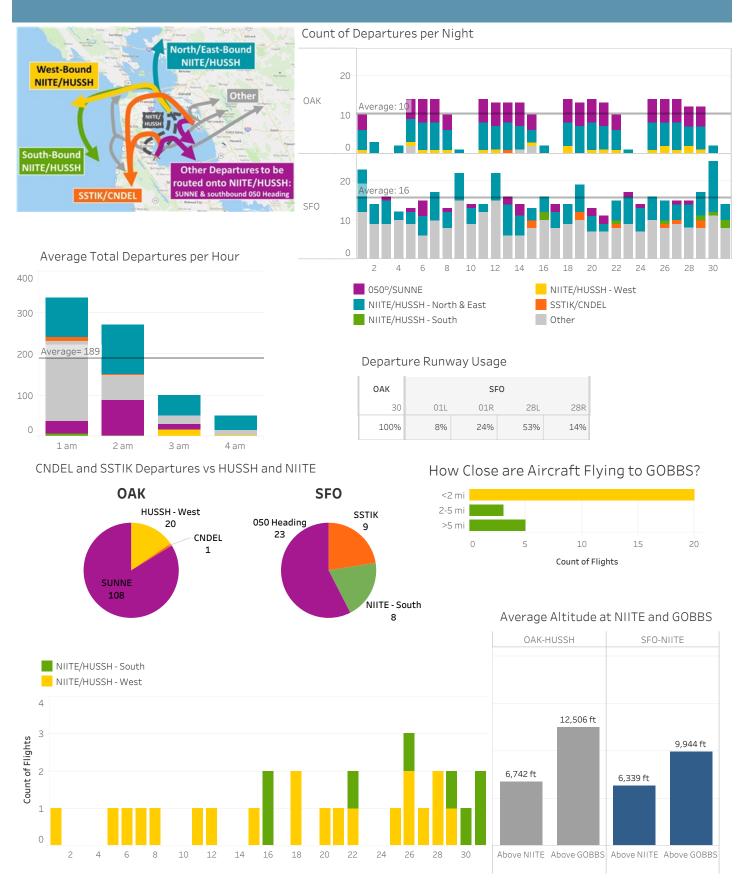
Milpitas

San Jose

Fremont

myvale

NIITE to GOBBS 1 am to 5 am (July 2023)



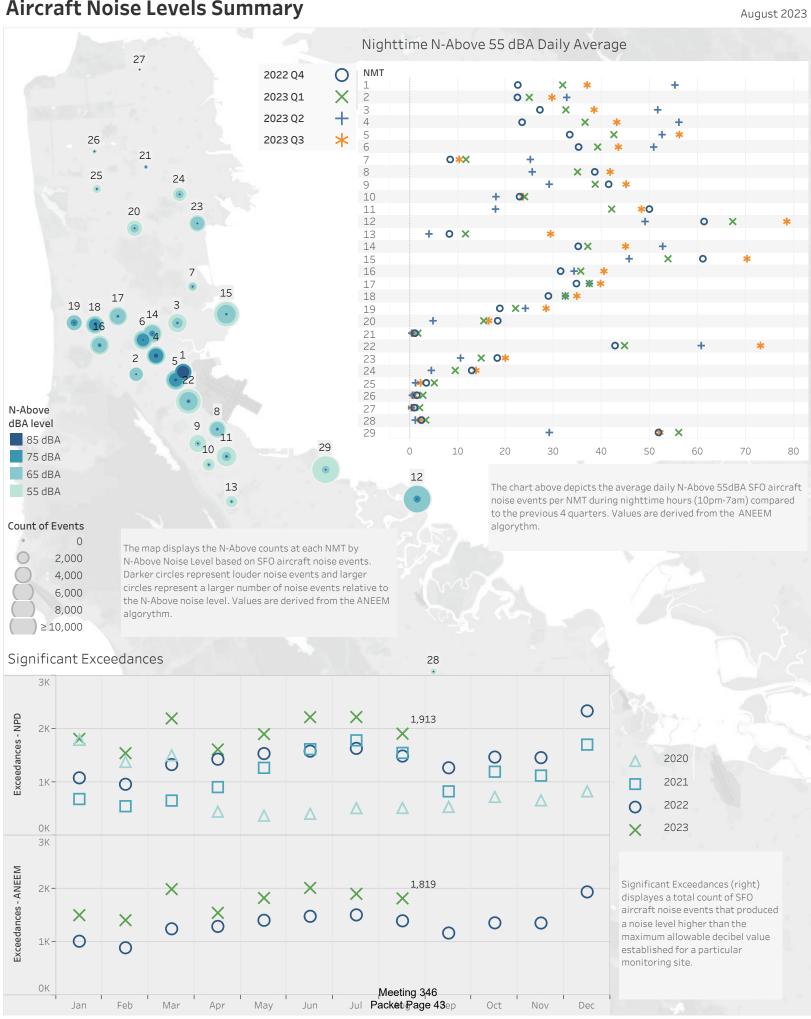


Airport Director's Report

Presented at the October 4, 2023 Airport/Community Roundtable Meeting

Aircraft Noise Office August 2023





Aircraft Noise Levels Details

August 2023

					ANOMS					ANEEM	
				Aircaft						Aircaft	
						Community					
		Noise Events					Ambient	Noise Events			
NMT	City	(AVG Day)	CNEL (dBA)	SEL (dBA)	LMax (dBA)	CNEL (dBA)	Level (dBA)	(AVG Day)	CNEL (dBA)	SEL (dBA)	LMax (dBA)
1	San Bruno	136	73	94	83	67	55	131	72	94	84
2	San Bruno	87	55	79	68	63	51	93	56	80	68
3	SSF	57	53	79	68	60	45	183	55	76	63
4	SSF	127	67	90	78	59	46	176	67	88	73
5	San Bruno	126	66	88	77	61	47	193	66	86	72
6	SSF	118	64	87	76	58	44	184	64	85	70
7	Brisbane	27	49	78	67	59	46	58	49	76	63
8	Millbrae	11	51	84	73	65	49	142	55	77	67
9	Millbrae	7	37	75	64	58	40	160	52	72	60
10	Burlingame	4	36	77	65	57	41	78	48	73	61
11	Burlingame	8	42	80	68	62	41	205	52	73	61
12	Foster City	356	62	82	71	57	41	442	62	81	69
13	Hillsborough	3	34	79	65	57	42	71	48	72	60
14	SSF	120	60	83	71	59	44	183	60	81	68
15	SSF	154	58	81	69	59	45	283	58	79	66
16	SSF	102	58	82	71	59	44	184	59	80	66
17	SSF	110	58	81	70	58	45	169	58	80	67
18	Daly City	106	63	87	76	59	45	163	63	85	71
19	Pacifica	95	59	83	73	57	40	110	60	83	71
20	Daly City	94	51	77	65	60	42	128	50	75	63
21	San Francisco	40	45	76	64	62	52	16	41	76	66
22	San Bruno	80	57	81	71	62	45	289	60	78	66
23	San Francisco	88	53	79	69	59	46	151	54	78	66
24	San Francisco	79	54	81	67	69	48	108	50	75	63
25	San Francisco	22	41	76	65	56	41	47	42	72	61
26	San Francisco	8	40	78	66	59	45	23	40	74	62
27	San Francisco	5	36	77	66	58	45	19	38	73	62
28	Redwood City	7	39	77	64	52	37	33	41	71	58
29	San Mateo	105	51	78	65	59	47	341	53	73	61

Noise Monitor's CNEL values (above) are derived from actual measured events and are used to validate the 65dBA CNEL noise footprint. Aircraft monthly CNELs from both ANOMS NPD and ANEEM algorithms for each monitor site are provided with daily average aircraft counts, the average Sound Exposure Level (SEL), and average Maximum Level (LMax). Noise levels from other noise sources in the community calculated by ANOMS is provided as Community CNEL. Ambient Level is represented by the LA90 noise value which is the noise level exceeded at the monitor for 90% of the time.

SFO N-Above NPD

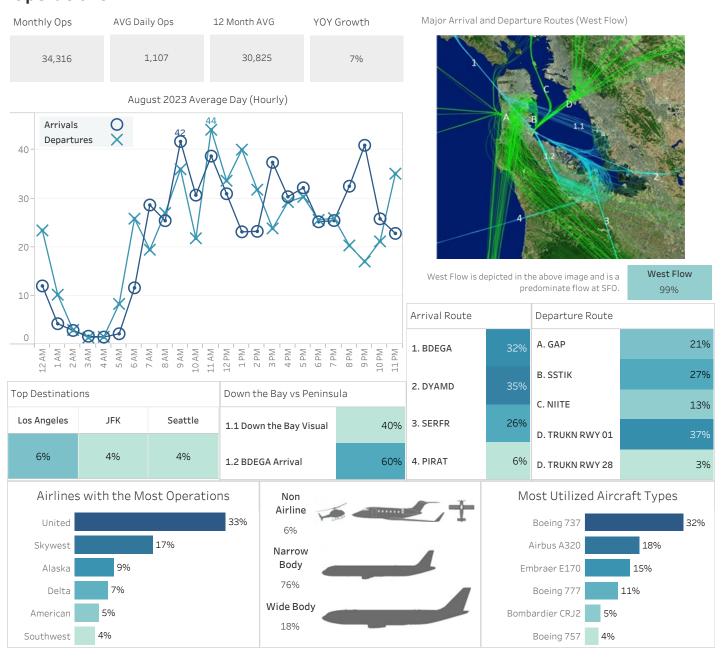
SFO N-Above ANEEM

	Min:Max							Min:Max						
NMT	LMax	55 dBA	60 dBA	65 dBA	70 dBA	75 dBA	80 dBA	LMax	55 dBA	60 dbA	65 dBA	70 dBA	75 dBA	80 dBA
1	66:99	4,157	4,157	4,157	3,967	3,673	3,104	55:99	4,037	4,034	4,019	3,924	3,634	3,077
2	61:84	2,715	2,715	2,307	625	33	5	56:81	2,813	2,787	2,352	614	20	2
3	62:88	1,628	1,628	1,338	351	112	17	53:88	4,734	3,833	1,525	310	92	14
4	61:93	3,906	3,906	3,798	3,391	2,915	1,752	53:93	5,113	4,820	3,938	3,379	2,905	1,746
5	62:90	3,854	3,854	3,827	3,437	2,622	1,252	53:90	5,756	5,474	4,498	3,459	2,608	1,244
6	61:88	3,654	3,654	3,557	3,176	2,238	552	53:88	5,391	4,909	3,680	3,157	2,223	548
7	61:80	704	704	554	147	19	0	53:80	1,285	1,028	532	138	18	0
8	68:87	323	323	323	270	78	15	53:89	4,268	4,066	2,816	805	140	20
9	60:78	72	71	21	8	1	0	53:80	4,035	1,837	491	140	25	0
10	60:72	48	48	19	5	0	0	53:76	2,013	1,152	329	61	7	0
11	60:84	43	42	26	12	9	3	53:84	5,372	2,771	1,179	476	132	16
12	63:85	11,230	11,230	11,122	7,134	735	26	53:87	13,594	12,530	11,187	7,066	689	17
13	59:76	23	22	7	2	1	0	53:73	1,838	962	223	6	0	0
14	61:86	3,704	3,704	3,529	2,219	522	14	53:82	5,314	4,999	3,722	2,216	514	11
15	62:83	4,782	4,782	4,388	1,592	112	11	53:83	8,478	7,545	4,896	1,616	96	5
16	62:88	3,166	3,166	3,064	1,940	248	2	53:80	5,263	4,568	3,333	1,962	235	1
17	61:81	3,426	3,426	3,201	1,705	136	4	53:81	5,013	4,686	3,414	1,690	133	3
18	64:90	3,282	3,282	3,274	2,955	2,016	415	53:90	4,811	4,361	3,501	2,945	2,016	417
19	65:83	2,951	2,951	2,951	2,297	700	22	53:83	3,388	3,325	3,066	2,276	694	21
20	59:88	2,698	2,654	1,202	316	113	18	53:80	3,246	2,700	969	140	18	1
21	59:80	665	619	206	29	1	1	60:74	296	296	167	16	0	0
22	64:83	2,428	2,428	2,419	1,463	141	14	53:83	8,551	7,399	4,798	1,981	216	11
23	63:84	2,635	2,635	2,458	749	55	6	54:80	3,778	3,587	2,568	721	36	1
24	59:85	2,048	2,035	1,217	375	187	29	53:82	2,483	2,051	864	153	30	5
25	58:78	527	483	196	44	11	0	53:77	968	653	187	24	2	0
26	60:80	143	143	80	12	5	0	54:74	336	247	87	9	0	0
27	62:73	32	32	15	3	0	0	55:72	103	72	13	3	0	0
28	59:80	128	115	32	12	3	0	53:80	519	168	18	2	1	0
29	59:86	3,468	3,379	1,170	398	93	15	53:81	10,491	6,098	866	116	19	1

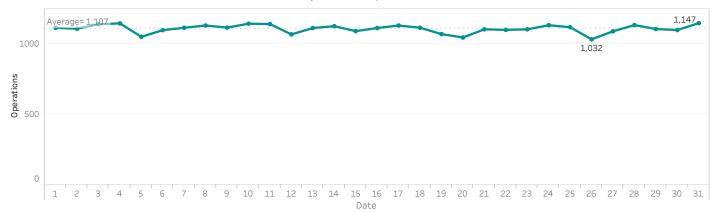
Noise Monitor N-Above values (above) are derived from actual measured events and assigned to aircraft overflights using both ANOMS NPD and ANEEM algorithms. N-Above represents the count of events where the peak noise (LMax) reached above the designated dBA value. Note, the charts on this page represent only SFO aircraft-related noise events.

Packet Page 44

OperationsAugust 2023

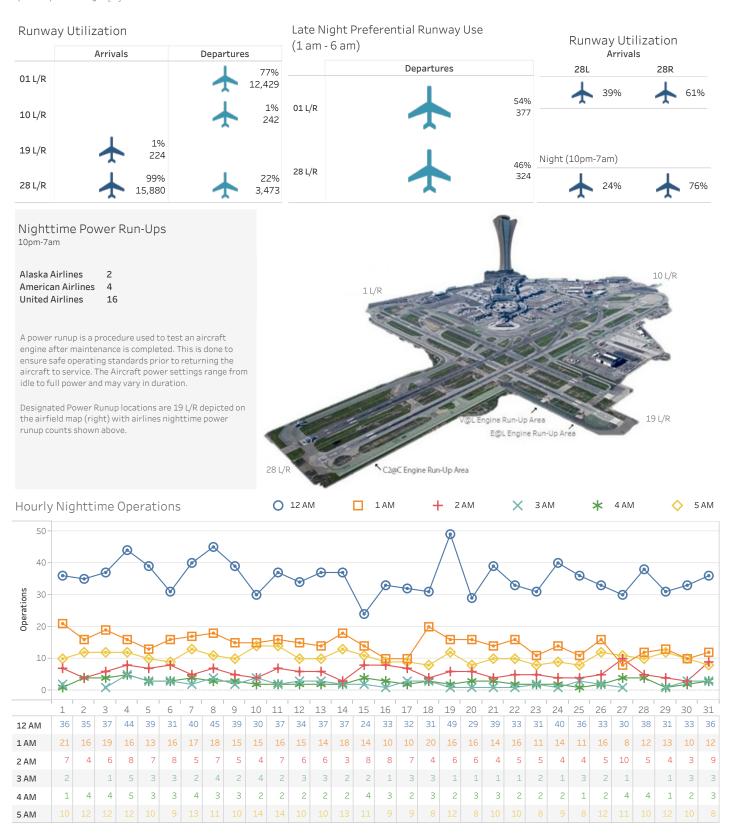


Daily Aircraft Operations



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.



Noise Reports Reporters Noise Reporters Location Map August 2023 Annual AVG Noise Reporters / Noise Reports Atherton 2 205 524 Belmont 3 34 Brisbane 21 342 Berkelev Contra Costa Burlingame 3 3 Reports Annual Daly City 12 1,184 AVG East Palo Alto 1 6 El Granada 1,226 1 San Francisco **Emerald Hills** 7 969 87,654 Alameda **Foster City** 10 60 Hillsborough 143 1 New Reporters Menlo Park 20 1,342 Millbrae 5 35 Hayward Montara 70 Alamed 1 39 Pacifica 18 1,881 Portola Valley 26 13,935 **Redwood City** 7 384 San Bruno 13 265 New Reporters Mateo Top City San Carlos 2 10 Fremont San Francisco 2,957 16 San Mateo 8 597 Foster City South San Francisco 17 430 1,860 Woodside 6 Alameda 2 3 Milpitas Furthest Report Aptos 2 5 Berkeley 3 1,262 San Mated **Boulder Creek** 2 24 64 miles nnyvale Capitola 4 96 San Jose Castro Valley 8 1 Concord 1 1 Reports per SFO Cupertino 1 265 Operation Felton 3 120 Fremont 133 1 3 Lafayette 1 14 Los Altos 7,491 50 Los Altos Hills 10 1.275 Top Aircraft Los Gatos 33 4,670 Types Moraga 144 3 B737 Mountain View 15 3,701 A320 Oakland 11 3,541 E75L 23,231 Palo Alto 113 Richmond 240 4 Top Flight San Jose 1 2 Numbers 7,123 41 Santa Cruz Santa 4,459 KAL214 Scotts Valley 27 CAL5107 Soquel 27 3,966 © 2023 Mapbox © OpenStreetMap 524 JBU536 Stanford 4 Sunnyvale 4 739 Noise Reports Hourly Noise Reporters (Average Day in a Month) Union City 1 276 Operations Watsonville 1 65 **Grand Total** 91,316 566 80 80 Address validation Relies on USPS-provided ZIP Code look up table and SFO Noise Reporters OP 09 SFO Operations 60 Noise Reports by Airport 40 20 PAO SQL 0 11 AM 9 AM 10 AM 12 PM 10 PM Z

Night

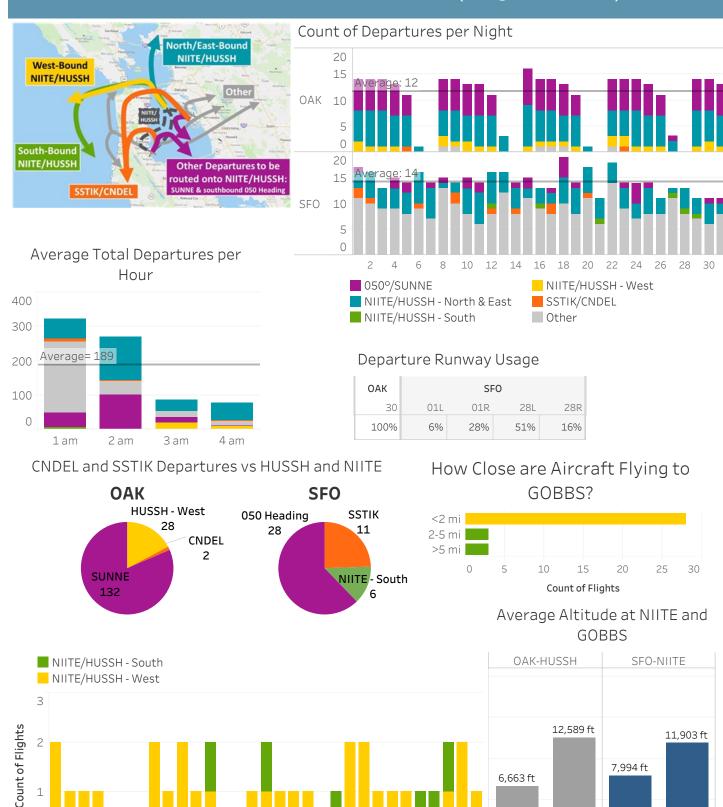
99% of noise reports correlate to a flight origin/destination

airport.

I Evening

Source: SFO Intl Airport Noise Monitoring System

NIITE to GOBBS 1 am to 5 am (August 2023)



24

26

28

Above

NIITE

Above

GOBBS

Above

NIITE

Above

GOBBS

8

10

12

14

16

18

20

22

As of 8/31/2023

	· · · · · · · · · · · · · · · · · · ·				
Α	SOURCES		2023-24	2	023-24
	Revenue	Į	<u>BUDGET</u>	<u> </u>	<u>ACTUAL</u>
	San Francisco Airport Commission	\$	220,000		
	Roundtable Membership	\$	43,500	\$	19,500
	In Kind Contributions*				
		\$	263,500	\$	19,500
	Other Sources	Į	<u>BUDGET</u>	<u> </u>	<u> CTUAL</u>
	Fund Balance Contribution	\$	9,490		
	SOURCES TOTAL	\$	272,990	\$	19,500

В	EXPENSES	• 4	2023-24	2	2023-24
	Staffing & Coordination	E	<u>BUDGET</u>	<u> </u>	<u>ACTUAL</u>
	County of San Mateo Coordination Services	\$	155,000	\$	22,130
	Roundtable Aviation Technical Consultant	\$	90,000	\$	9,829
		\$	245,000	\$	31,959

ADMINISTRATION / OPERATIONS	<u>B</u>	<u>UDGET</u>	<u>ACTUAL</u>		
Meeting Room * In-Kind Millbrae					
Postage / Printing	\$	1,500			
Website	\$	1,800			
Data Storage & Conference Services	\$	990			
Miscellaneous Office Expenses/Equipment	\$	3,000			
Video Services	\$	8,000	\$	236	
	\$	15,290	\$	236	

PROJECTS, PROGRAMS, & OTHER	<u>BUDGET</u>		A	<u>CTUAL</u>
Noise Conferences Attendance, Coordinator	\$	1,500		
Noise Conferences Attendance, Members	\$	3,000		
TRACON Field Trip(s)	\$	950		
Airport Noise Report subscription	\$	2,500		
N.O.I.S.E. Membership	\$	4,300		
Fly Quiet Awards	\$	450		
Special Study	\$	-	\$	-
	Ś	12.700	\$	-

EXPENSES TOTAL \$ 272,990 \$ 32,195

YEAR END BALANCE	<u>PROPOSED</u>	<u>ACTUAL</u>		
	\$ -	\$ (12,695)		

С	UNCOMMITTED FUNDS	14	2023-24		2023-24
		PF	ROPOSED	-	<u>ACTUAL</u>
	Fund Balance	\$	411,863		
	Contingency Reserve	\$	40,000		
	UNCOMMITTED FUNDS TOTAL	\$	451,863	\$	-

^{*}Meeting venue in-kind contributions from Millbrae, Foster City, Hillsborough and County of San Mateo

Northern California Terminal Radar Approach Control (NorCal TRACON) Overview

Presented to the SFO Roundtable

Jason R. Stoddard, HMMH October 4, 2023





Introduction

Purpose:

- Acquaint Roundtable Members with the Northern California Terminal Radar Approach Control (NorCal TRACON)
- Provide an overview of the operational framework within which flights operate under NorCal's control



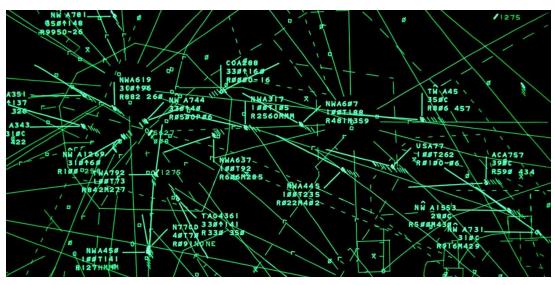
NorCal TRACON – What is it?

- NorCal TRACON is a Terminal Radar Approach Control Facility that provides aircraft sequencing, separation and safety alerts for aircraft arriving, departing and transiting the airspace under their control.
- Created in 2002 with the consolidation of Sacramento TRACON, Monterey TRACON, Stockton TRACON, Bay TRACON and Reno TRACON.
- NorCal TRACON controls over 21,000 square nautical miles of airspace and is located in Mather, CA – approximately 10 miles east of Sacramento.
- NorCal TRACON services all the major airports in the region including, SFO, OAK, SJC, RNO and SMF. It also coordinates with 19 smaller towered airports throughout the region.
- NorCal TRACON has been classified as the 2nd busiest TRACON in the United States, just behind SoCal TRACON. In 2020, NorCal TRACON handled roughly 1.1 million operations.



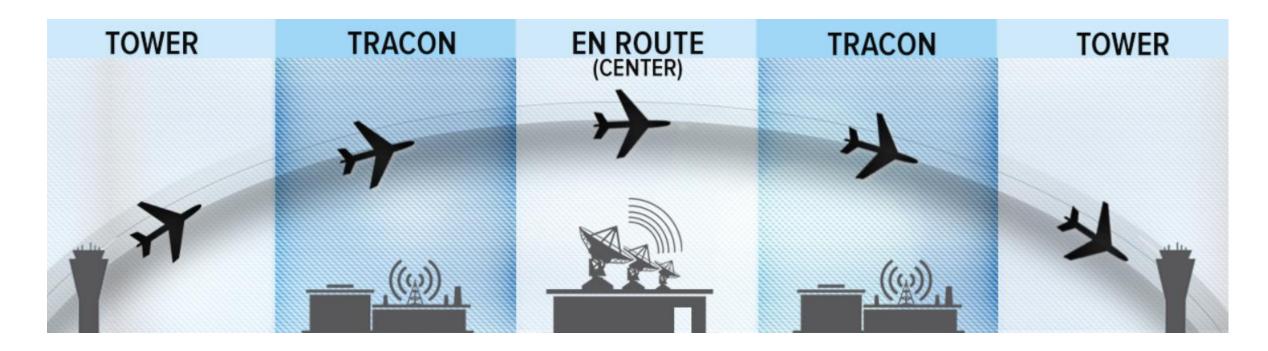






Air Traffic Control and the National Airspace System

- Facility Types
 - Air Traffic Control Tower (ATCT) –
 Airport Surface & Immediate Environs
 - Terminal Radar Approach Control (TRACON) – region & low-altitude strata (~5 to 40 miles from airport, ~4,000 feet - ~19,000 feet)
 - Air Route Traffic Control Center (ARTCC) – en route phase of flight between terminal areas (spans several states)

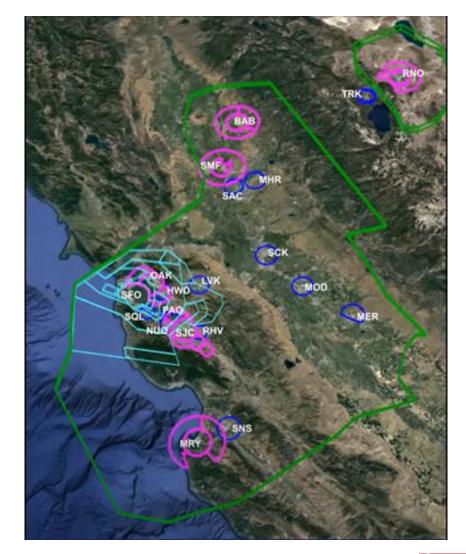


Air Traffic Control and the NAS cont.

- SFO ATCT
 - Ground and local controllers provide taxi and takeoff/landing instructions and clearances
- NorCal TRACON
 - A TRACON serves as interface between the high-altitude, en route environment and the airport surface
 - Operations at other Primary Airports (OAK, SJC) and satellite airports (HAF, SQL, HWD) influence arrival and departure flows at SFO
- ZOA ARTCC (Oakland Center)
 - An Air Route Traffic Control Center provides separation services in the "en route" environment, away from the terminal area (TRACON) and the immediate vicinity of the airport (Air Traffic Control Tower)

NorCal Airport Complexes

Mather CX	MHR, AUN, BAB, LHM, MCC, MYV, OVE, PVF, O17,
Modesto CX	MOD, LSN, MCE, MER
Monterey CX	MRY, SNS, WVI, OAR, 307
Napa CX	APC, DVO, STS, O69
Oakland CX	OAK, HWD
Sacramento CX	SMF, SAC, O88
San Francisco CX	SFO, HAF, SQL
San Jose CX	SJC, NUQ, PAO, RHV, E16
Stockton CX	SCK, LVK, TCY, C83, O27, 1O3
Travis CX	SUU, CCR, VCB, O41, 005, 2Q3



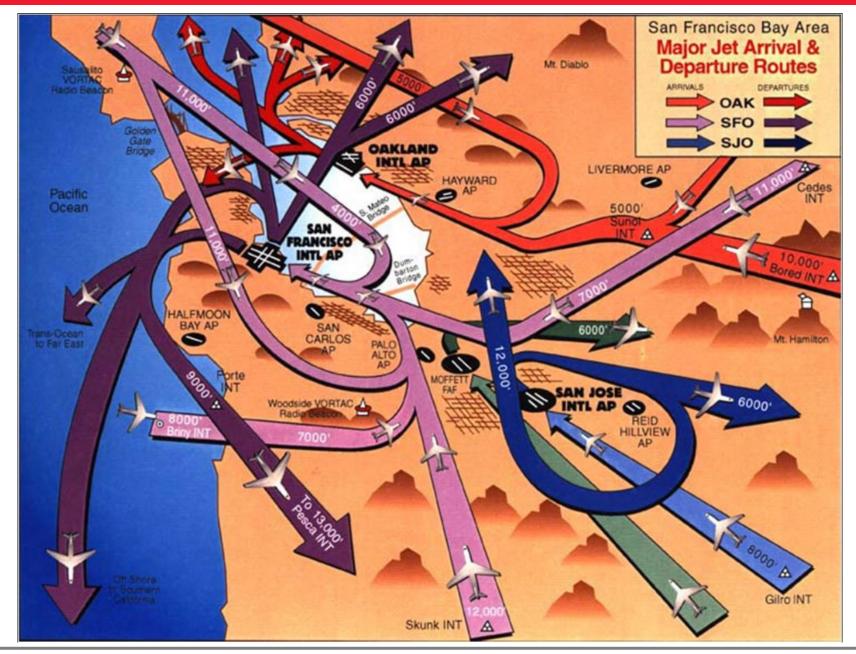


NorCal Traffic Flow Descriptions

SFOW	SFO Landing Runways 01 or 28
SFOE	SFO Landing Runways 10 or 19
SJCE	SJC Landing Runways 12 during SFOW operations
SJCW	SJC Landing Runways 30 during SFOE operations
OAKE	OAK Landing Runways 9/11 during SFOW operations
SMFS	SMF Landing Runways 16
SMFN	SMF Landing Runways 34

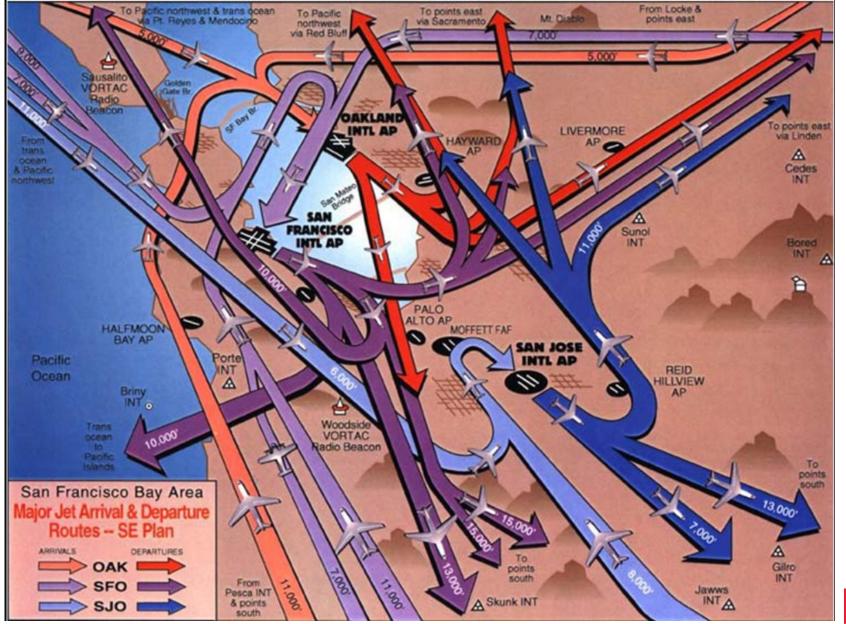


Example West Traffic Flow





Example East Traffic Flow





NorCal Sectors

- Area A (South Bay) Area B (SFO Arrivals) Area C (East Bay)
 - Fremont
 - Hooks
 - Licke
 - Morgan
 - Seca
 - Toga
 - Turlock

- - Boulder
 - Cedar
 - Coyote
 - Foster
 - Laguna
 - Niles
 - Wiley
 - Woodside

- - Castle
 - Grove
 - Mulford
 - Sunol
 - Tracy
 - Valley

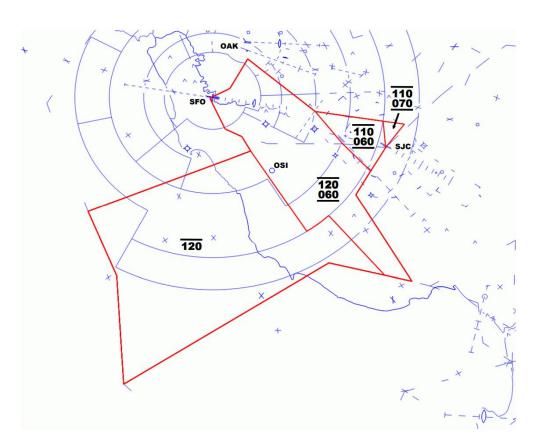
- - Diablo
 - Fairfield
 - Quake
 - Richmond
 - Sutro

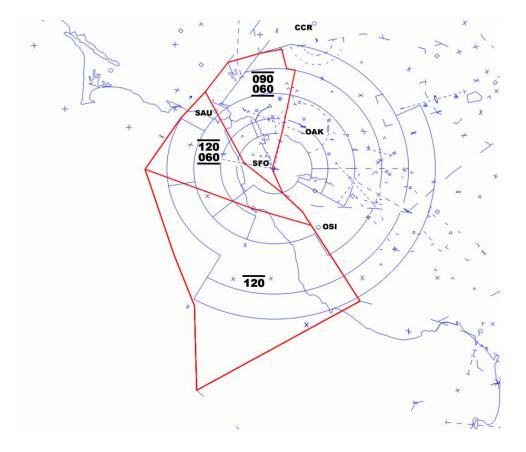
- Area D (SFO Departures)Area E (Reno/Sacramento)
 - Buttes
 - Delta
 - Elkhorn
 - Expo
 - Kirkwood
 - Paradise



NorCal Area B Sectors – Boulder

SFOW







NorCal Noise Abatement

- The 7110.65 (FAA Air Traffic Control Manual) has numerous references to Noise Abatement procedures.
 - Section 6. Vectoring
 - 5-6-1: "Vector aircraft: In controlled airspace for separation, safety, noise abatement, operational advantage, confidence maneuver, or when a pilot requests"
- NorCal TRACON's Facility Manual also has sections dedicated to noise abatement
 - Chapter 5. NOISE ABATEMENT
 - Traffic permitting, control room personnel shall apply the following Noise Abatement Procedures:
 - NorCal has specific procedures dedicated to Noise Abatement at SFO that encompass approximately 2.5 pages



Questions?



SFO AIRPORT/COMMUNITY ROUNDTABLE

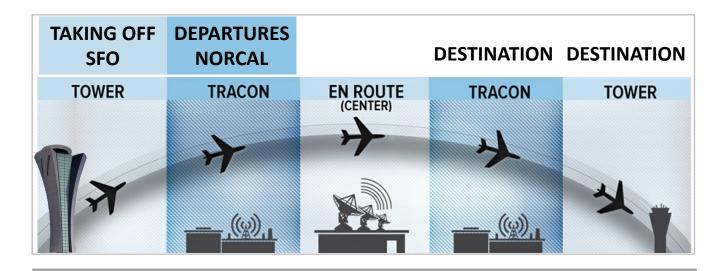
FAA NORCAL TRACON (TERMINAL RADAR APPROACH CONTROL)

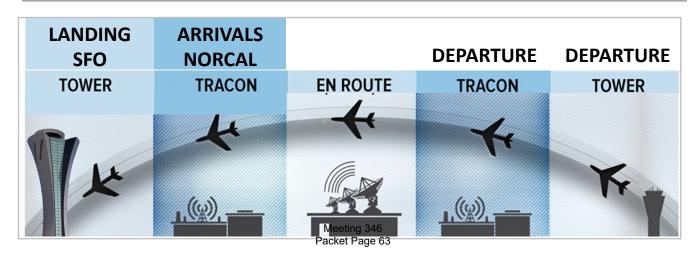
Highly experienced NORCAL TRACON controllers provide safety alerts, aircraft separation, and sequencing of air traffic arriving, departing, and transiting the airspace and airports in Northern California. They monitor flights which are flying published arrivals and published departures as well as providing vectoring.



NORCAL TRACON controls aircraft after they take off and leave the airspace of a departure airport such as SFO or OAK until the aircraft is handed off (at about 17,000') to the high altitude En Route (Center) facility.

NORCAL TRACON also controls arriving aircraft leaving the high altitude En Route-Center, until being handed off to the destination airport such as SFO or OAK.





SFO AIRPORT/COMMUNITY ROUNDTABLE

NORCAL TRACON FIELD TRIP

This NORCAL TRACON field trip is open to members of the SFO Airport/Community Roundtable. It is a full day event, leaving the mid-Peninsula by chartered bus at about 8:30am and returning in the late afternoon.

The TRACON radar facility is located about 11miles east of Sacramento near to Mather Airport; we will plan about 2+ (fun-filled) hours each way on a chartered bus. **More logistical details will be provided closer to the date chosen for the field trip**.

When we reach the TRACON facility, we will all undergo security processing (see *The Rules* below).

When we arrive at the NORCAL TRACON facility, many of you who have been associated with the Roundtable for some time will recognize a previously frequent visitor to our meetings — Thann McLeod, the FAA Manager of Airspace & Procedures — an experienced Bay Area controller and a highly knowledgeable and effective communicator.

- 1. Thann will conduct an initial briefing for everyone in the conference room. This briefing will be an overview of Air Traffic Control and in addition to Thann, there will be a couple of additional controllers available to provide a more in depth operational briefing for the OAK and SFO airports. The briefing will take about an hour to and hour and a half (longer if there are many questions). (Thann also said that they may be also able to discuss other specific topics of interest to the members.) Then...a group of 4 visitors will go into the Control Room for a tour lasting about 15 minutes.
- 2. Then subsequent groups of 4 people will cycle into the Control Room for their tour. While waiting for your group's "turn", Thann and/or other controllers will be available for Roundtable Member Q+A.
- 3. When everyone has completed their tour, it's time to thank the FAA NORCAL TRACON team and board the bus for the return home.

"THE RULES"

- All guests must have photo ID and must be US citizens.
- Guests will need to be processed through the guards and will go through metal detectors.
- No electronics, cell phones, apple watches etc. can be taken into the control room and will need to be left in the conference room.
- No photography is allowed.



Meeting Announcement

Technical Working Group

Tuesday, August 29, 2023 3:30 p.m. – 5:00 p.m. *VIA HYBRID ACCESS*

Foster City Council Chambers Conference Room 620 Foster City Blvd. – Foster City, CA 94404

Public may also join the webinar: https://smcgov.zoom.us/j/98025302813
Or Dial-in:

US: +(669)900-6833 Webinar ID: 980 2530 2813

This meeting of the Technical Working Group (TWG) will be in person at the above mentioned address. Members of the public will be able to participate in the meeting remotely via the Zoom platform or in person at 620 Foster City Boulevard, Foster City, CA 94404. For information regarding how to participate in the meeting, either in person or remotely, please refer to instructions at the end of the agenda.

HYBRID PUBLIC PARTICIPATION:

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

The TWG Subcommittee meeting may be accessed through the above mentioned Zoom webinar. Members of the public may also attend this meeting physically in the Foster City Council Chambers Conference Room at 620 Foster City Blvd. Foster City, CA 94404.

*Written public comments can be emailed to amontescardenas@smcgov.org, and should include specific agenda item to which you are commenting.

*Spoken public comments will also be accepted during the meeting in-person or via Zoom on Items NOT on the Agenda and for each Agenda Item at the option of the speaker.

ADA Requests

Individuals who require 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 packet or other writings that may be distributed at the meeting, should contact Angela Montes, as early as possible but no later than 10:00am the day before the meeting at amontescardenas@smcgov.org. Notification in advance of the meeting will enable Staff to make reasonable arrangements to ensure accessibility to this meeting, the materials related to it, and your ability to comment.



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

AGENDA

Call to Order

Public Comment on Items NOT on the Agenda

REGULAR AGENDA

1. Ground Based Augmentation System (GBAS) Update

Paul Hannah, SFO, Consultant, Chief Airspace and Flight Operations Engineer

2. Flight Procedures, Flight Tracks & Airport Director's Report Data

Bert Ganoung, SFO, Noise Office Manager Attachment: Airport Director's Report, SFO Layout, Arrivals & Departures Presentation

3. Adjourn

**Instructions for Public Comment during Videoconference Meeting

During the TWG Subcommittee hybrid meeting, members of the public may address the Membership 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
- 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 5:00 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:

In-person Participation:

1. If you wish to speak to the Membership, please fill out a speaker's slip located at the entrance. If you have anything you wish distributed to the Membership and included in the official record, please hand it to the Clerk who will distribute the information to the Membership and Staff.

Via Teleconference (Zoom):

- 1. The TWG Subcommittee meeting may be accessed through Zoom online at https://smcgov.zoom.us/s/98025302813. The webinar ID: 980 2530 2813. The meeting may also be accessed via telephone by dialing in +1-669-900-6833, entering webinar ID then press #. Members of the public can also attend this meeting physically in the Foster City Council Chambers Conference Room at 620 Foster City Blvd, Foster City, CA 94404.
- 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.
- 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 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.

*Additional Information:

Technical Working Group August 29, 2023 Page 3 of 2

For any questions or concerns regarding Zoom, including troubleshooting, privacy, or security settings, please contact Zoom directly.



Meeting Announcement

Ad-Hoc Portable Noise Monitor Placement

Friday, September 22, 2023 11:00 a.m. – 12:30 p.m. *VIA HYBRID ACCESS*

Room 101, First Floor 455 County Center – Redwood City, CA 96063 Map & Parking Instructions

Public may also join the webinar: https://smcgov.zoom.us/j/93782051374
Or Dial-in:

US: +(669)900-6833 Webinar ID: 937 8205 1374

This meeting of the Ad-Hoc Portable Noise Monitor Placement Subcommittee (PNMP) will be in person at the above mentioned address. Members of the public will be able to participate in the meeting remotely via the Zoom platform or in person at 455 County Center, Redwood City, CA 94063. For information regarding how to participate in the meeting, either in person or remotely, please refer to instructions at the end of the agenda.

HYBRID PUBLIC PARTICIPATION:

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

The Ad-Hoc Portable Noise Monitor Placement Subcommittee meeting may be accessed through the above mentioned Zoom webinar. Members of the public may also attend this meeting physically in Room 101 First Floor at 455 County Center, Redwood City, CA 94063.

- *Written public comments can be emailed to amontescardenas@smcgov.org, and should include specific agenda item to which you are commenting.
- *Spoken public comments will also be accepted during the meeting in-person or via Zoom on Items NOT on the Agenda and for each Agenda Item at the option of the speaker.

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

AGENDA

Call to Order

Public Comment on Items NOT on the Agenda

REGULAR AGENDA

1. Review and Update of Prior Portable Noise Monitor Placement Ad-Hoc Subcommittee Meetings

Cecilia Taylor, Chair, Ad-Hoc PMNP Subcommittee	
Attachment(s): a. Policy on Permanent Noise Monitor vs. Temporary August 2, 2017	pg. 4
b. Recommendations Regarding Portable Noise Monitoring Terminals May 26, 2020	pg. 5

2. SFO Noise Office Update

Bert Ganoung, SFO Aircraft Noise Office Manager

Attachment(s): a. Roundtable Assigned Portable Noise Monitoring Presentation October 24, 2022

pg. 7

- a. Current and recent locations of the portable noise monitors
- b. Planned or requested locations for portable noise monitors
- c. Noise Office deployment of portable noise monitors and reporting
- d. How will GBAS innovative approach noise monitoring requirements (estimated for 2024/2025) impact future deployments?
- 1. Member Discussion and Recommendations
- 2. Public Comment
- 3. Adjourn

**Instructions for Public Comment during Videoconference Meeting

During the Ad-Hoc PNMP Committee hybrid meeting, members of the public may address the Membership 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
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Spoken Comments:

In-person Participation:

Ad-Hoc Portable Noise Monitor Placement September 22, 2023 Page 3 of 2

1. If you wish to speak to the Membership, please fill out a speaker's slip located at the entrance. If you have anything you wish distributed to the Membership and included in the official record, please hand it to the Clerk who will distribute the information to the Membership and Staff.

Via Teleconference (Zoom):

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*Additional Information:

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MEMORANDUM

To: SFO Community Roundtable Members and Interested Parties

From: Jason R. Stoddard, Senior Airspace Analyst

Eugene M. Reindel, Vice President

Date: August 18, 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 six updates for SFO in the August 10, 2023 publication. There is currently one open comment period. The next publication is expected on September 7, 2023.

Important Terms and Items:

- FAA Stage Definitions
 - 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
 - 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
 - o RNAV: Area Navigation
 - o 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 GLS RWY 19R AMDT 1
 - o Status updated to Awaiting Publication
 - Scheduled Publication Date updated to October 5, 2023
- SFO GLS RWY 19L AMDT 1
 - Status updated to Awaiting Publication
 - Scheduled Publication Date updated to October 5, 2023
- SFO ILS OR LOC RWY 19L AMDT 23
 - Status remains At Flight Check (Comment period extended to September 4, 2023)
 - Scheduled Publication Date updated to October 5, 2023
- SFO RNAV (GPS) RWY 19L AMDT 4
 - Status updated to Awaiting Publication
 - Scheduled Publication Date updated to October 5, 2023
- SFO RNAV (GPS) Y RWY 19R AMDT 4
 - Status updated to Awaiting Publication
 - Scheduled Publication Date updated to October 5, 2023
- SFO RNAV (GPS) Z RWY 19R ORIG
 - Status updated to Awaiting Publication
 - Scheduled Publication Date updated to October 5, 2023

Open Comment Periods:

- ILS OR LOC RWY 19L AMDT 23 at SFO
 - o Comment period ends September 4, 2023

The following changes are expected:

- Primary missed approach procedure changed from "Climb to 980 then climbing left turn to 4000 on SFO VOR/DME R-135 to PRTLA INT/SFO 15.75 DME and hold" to "Climb to 1100 then climbing left turn to 4000 direct to PRTLA and hold".
- Alternate missed approach procedure was deleted.
- Additional administrative remarks were added that are not expected to change flight paths or altitudes.
- o Concerns can be submitted via

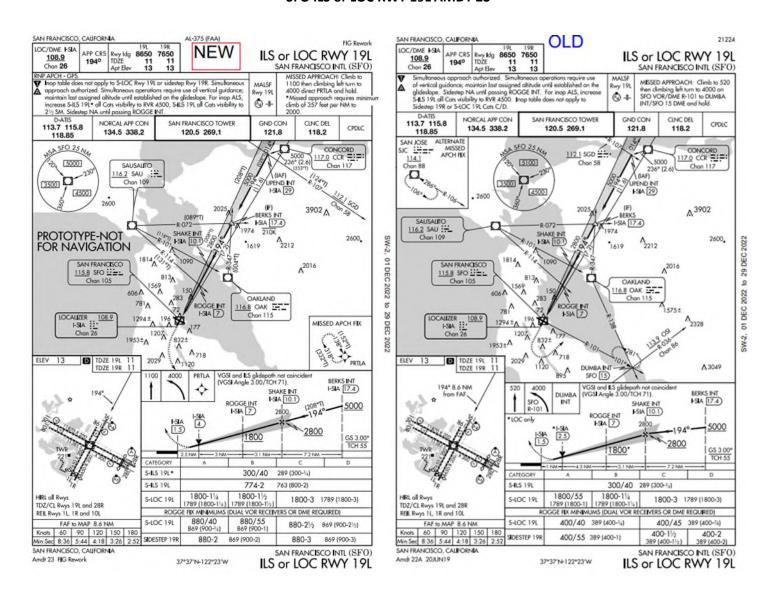
https://www.faa.gov/air traffic/flight info/aeronav/aero_data/Aeronautical_Inquiries/?details =SFO%20(%20KSFO)%20SAN%20FRANCISCO%20INTL,%20SAN%20FRANCISCO,%20CA%20-%20ILS%20OR%20LOC%20RWY%2019L%20AMDT%2023&procedureName=ILS%20OR%20LOC%20RWY%2019L%20AMDT%2023&airportCode=%20SFO&airportName=SAN%20FRANCISCO%20INTL&airportState=CA

Next Publication: We do not expect any updates in the September 7, 2023 publication

HMMH



SFO ILS or LOC RWY 19L AMDT 23





MEMORANDUM

To: SFO Community Roundtable Members and Interested Parties

From: Jason R. Stoddard, Senior Airspace Analyst

Eugene M. Reindel, Vice President

Date: September 15, 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).

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 - LOC: Localizer

Updates:

- SFO GLS RWY 19R AMDT 1
 - Status remains Awaiting Publication
 - Scheduled Publication Date updated to November 30, 2023
- SFO GLS RWY 19L AMDT 1
 - Status remains Awaiting Publication
 - Scheduled Publication Date updated to November 30, 2023
- SFO ILS OR LOC RWY 19L AMDT 23
 - Status updated to Awaiting Publication
 - Scheduled Publication Date updated to November 30, 2023
- SFO RNAV (GPS) RWY 19L AMDT 4
 - Status remains Awaiting Publication
 - Scheduled Publication Date updated to November 30, 2023
- SFO RNAV (GPS) Y RWY 19R AMDT 4
 - Status remains Awaiting Publication
 - o Scheduled Publication Date updated to November 30, 2023
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 - Status remains Awaiting Publication
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Open Comment Periods:

• None

Next Publication: We do not expect any updates in the October 5, 2023 publication



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August 16, 2023

The Honorable Maria Cantwell, Chair Committee on Commerce, Science, and Transportation United States Senate Washington, DC 20510

The Honorable Sam Graves, Chair Committee on Transportation and Infrastructure U.S. House of Representatives Washington, DC 20515

RE: FAA Reauthorization

The Honorable Ted Cruz, Ranking Member Committee on Commerce, Science, and Transportation United States Senate Washington, DC 20510

The Honorable Rick Larsen, Ranking Member Committee on Transportation and Infrastructure U.S. House of Representatives Washington, DC 20515

Dear Chair Cantwell, Chairman Graves, Ranking Member Cruz, and Ranking Member Larsen:

Established in 1981, the San Francisco Airport/Community Roundtable, (Roundtable) represents more than 1.5 million residents in the City and County of San Francisco and San Mateo County. Roundtable members include elected officials of the Boards of Supervisors of the City and County of San Francisco and San Mateo County as well as members from the City Councils of all twenty cities within San Mateo County.

The Roundtable collaborates with the San Francisco International Airport, the Federal Aviation Administration, airlines, members of Congress and other elected officials, noise-impacted communities, and the public with the purpose of developing, evaluating, implementing policies, aircraft procedures, and mitigation actions that will reduce aircraft noise exposure in the neighborhoods and communities in San Francisco and San Mateo Counties. The Roundtable advocates for aircraft noise related legislation and programs, and supports research that reduces aircraft noise impacts. The pre-eminent goal of the Roundtable is to improve all aircraft procedures and operations which have detrimental noise impacts to residents whether from ground operations or flight operations.

A special focus for the SFO Airport/Community Roundtable is nighttime airplane noise especially as a health issue. If aircraft noise is seen only as "annoying" to residents, it would overlook the well-documented deleterious effects of airplane noise on the health of residents. Documented in peer-reviewed scientific and medical journals, noise adversely and seriously affects blood pressure, cardiovascular and other health issues in adults. Studies with children indicate that aircraft noise can result in an increase in children's blood pressure and can cause negative impacts on children's education as shown by lower levels in cognitive testing, task perseverance, long term memory, short term memory and reading achievement. Other studies show that sleep interruption seriously affects health and is a concern for both adults and children.

The SFO Airport/Community Roundtable thanks the House of Representatives for the focus they have placed on the



issue of aircraft noise impacts on residents. The Senate is now undertaking the review of its bill as of this date, and, we would urge the Senate to include similar noise provisions in the final bill sent to the President's desk.

The SFO Airport/Community Roundtable recognizes and appreciates the importance of the work done every day by the FAA to keep our skies safe. We support robust funding for the FAA, especially in areas which avert and remediate the noise and health impacts caused by aircraft operations. We recognize the role that the FAA and our Airport Sponsors play in maintaining a safe and robust aviation system for both national and local economies.

The following recommendations were considered and approved at a regularly noticed Meeting of the SFO Airport/Community Roundtable on August 2, 2023.

With regard to H.R. 3935, we specifically support the following sections:

- Sec. 476 Part 150 Noise Standards Update
- Sec. 477 Reducing Community Aircraft Noise Exposure
- Sec. 481 Recommendations on Reducing Rotorcraft Noise in DC
- Sec. 482 Study of ultrafine particles
- Sec. 483 Aviation and airport Community Engagement
- Sec. 484 Community Collaboration
- Sec. 485 Third Party Study on Aviation Noise Metrics

We thank the many Members of Congress who submitted amendments to improve the flight impacts to communities. We especially acknowledge our local Members of Congress who introduced seven important amendments originally introduced as bills by former Congresswoman Jackie Speier. Thank you, Congresswoman Anna Eshoo, Congressman Kevin Mullin and Congressman Jimmy Panetta.

With regard to the Amendments Agreed to for H.R. 3935, we specifically support the following amendments:

- 24 Eshoo (CA): Requires the FAA to solicit feedback from communities impacted by aircraft noise as part of the Community Collaboration Program (#136). (Section 484)
- 57 Lynch (MA): Revises the representative in the task force on Aviation and Airport Community Engagement to ensure that multiple airport communities and communities around airports are included (#192). (Section 483)
- 58 Lynch (MA): Ensures deliberate engagement with local community groups for the Community Collaboration Program (#82). (Section 484)
- 63 Meng (NY): Clarifies that as part of the Part 150 Noise Standard Update, feedback should be solicited from individuals living in overflight communities (#17). (Section 477)
- 66 Neguse (CO): Requires the Community Collaboration Program to directly interview impacted residents (#180). (Section 484)
- 78 Pettersen (CO): Strikes "in decision-making processes" in Sec. 135 to allow more avenues for the public to have their concerns relayed to the Aviation Noise Officer to provide to the Administrator. **(Section 135)**



- 83. Porter (CA), Westerman (AR): Requires the Comptroller General of the United States to conduct a study on the response time of the FAA Administrator in regard to Congressional inquiries and requests, in addition to requiring the FAA Administrator to annually testify before Congress on the agency's efforts activities, objectives, plans, and efforts to engage with Congress and the public.
- 90. Scott, David (GA): Revises Sec. 483 (Engagement Events) to increase the number of annual events the FAA must convene to engage with aviation-impacted communities in each geographic region of the Administration from one to two.

We would also respectfully submit for your consideration the following recommendations herein made by the SFO Airport/Community Roundtable:

1. Modify Section 40103(b)(1) of title 49, United States Code, to allow the FAA to expand the <u>secondary</u> priorities for use of airspace. With safety, of course, remaining the primary priority, it would specify two co-equal priorities - the efficient use of airspace—as co-equal with the minimization of aircraft noise impacts and other environmental health impacts on the community. See detailed language below:

(a) In General.--Section 40103(b)(1) of title 49, United States Code, is amended to read as follows:

(1)(A) The Administrator of the Federal Aviation Administration shall develop plans and policy for the use of the navigable airspace and assign by regulation or order the use of the airspace necessary to ensure--

``(i) as a primary priority, the safety of aircraft; and
``(ii) as secondary co-equal priorities-``(I) the efficient use of airspace; and
``(II) the minimization of the impact of aviation noise, and other health impacts, on residents and communities, and other impacts of the use of airspace on the environment.

- 2. Modify 14 CFR 161 -- Notice and Approval of Airport Noise and Access Restrictions: Allow the Part 161 process criteria to consider health and other impacts to residents, *including residents outside the 65 DNL contour*, in a decision and to modify criteria and sufficiency standards so as to expand an airport director's authority to require use of reasonable nighttime noise abatement procedures, including limiting hours of operation.
- 3. Modify direction given to the FAA to allow some discretion for Airport Directors to grant incentives to airlines willing to request and implement **voluntary** nighttime noise abatement procedures.
- 4. Modify direction given to the FAA to allow them to include community impacts in implementing new or modified flight procedures, use of non-safety flight vectoring, or other flight path changes that might affect nighttime aircraft noise and its health impacts to residents.
- 5. Modify direction given to the FAA to allow them to measure, report and use alternative metrics such as C-weighting and N/Above to better reflect the impacts of noise to the community.



- 6. Modify direction given to the FAA, in accord with the results of the Neighborhood Environmental Study showing high annoyance at much lower dB levels, to allow increased access to insulation and other noise mitigation measures for residences and schools outside of the 65 DNL/CNEL levels.
- 7. Modify direction given to the FAA regarding the recognition, measurement and mitigation of aircraft source, ground-based low frequency noise and its health impacts.
- 8. Modify direction given to protect the public from evolving technologies such as Supersonic Aircraft, Urban Air Mobility (UAM), Advanced Air Mobility (AAM), flying cars and similar operations.
- 9. Modify direction given to the FAA regarding the need to fully consider impacts to marginal communities and disproportionately impacted communities in the establishment and implementation of aviation programs.
- 10. Modify direction given to the FAA to recognize that every airport is different, including San Francisco International, which has unique characteristics such as topography, location in a metroplex with three international airports, and the dominant airport traffic pattern, which should be considered by the FAA in determining the most appropriate decision-making metrics to use.

In addition, we have included three documents, which are incorporated by reference, and which further detail the recommendations of the SFO Airport/Community Roundtable; 1) SFO Airport Roundtable Comments Submitted to FAA Docket 2023-0855 regarding the FAA Civil Aviation Noise Policy Review and 2) the SFO Roundtable Recommendations to the FAA's Norcal Initiative, and 3) Aviation legislation introduced by former Representative Jackie Speier which proposes still salient solutions to many aircraft noise impact issues.

Thank you for an opportunity to submit these recommendations to you.

Very Respectfully,

Sam Hut.

Sam Hindi, Chairman SFO Airport/Community Roundtable Councilmember, (Former Mayor)

City of Foster City

Al Royse, Vice Chairman

SFO Airport/Community Roundtable

Chair, Legislative Subcommittee

Councilmember, (Former Mayor)

Town of Hillsborough

ATTACHMENTS and LINKS

- A. <u>SFO Airport Roundtable Comments Submitted to FAA Docket 2023-0855 regarding the FAA Civil Aviation Noise</u>

 <u>Policy Review via LINK</u>
- B. Aviation legislation introduced by former Representative Jackie Speier via ATTACHMENT
- C. 2016 SFO Airport Roundtable Recommendation to the FAA NorCal Initiative via LINK



cc:

Members and Alternates of the SFO/Airport Community Roundtable

FAA Regional Administrator Dr. Raquel Girvin

Ivar Satero, Director, San Francisco International Airport

Senator Diane Feinstein

Senator Alex Padilla

Speaker Emerita Nancy Pelosi

Representative Anna Eshoo

Representative Kevin Mullin

Representative Jimmy Panetta

Congressional Quiet Skies Caucus, Co-Chairs Representatives Eleanor Holmes Norton (D-DC) and Stephen Lynch

California State Senator Scott Weiner

California State Senator Josh Becker

California Assemblymember Matt Haney

California Assemblymember Philip Ting

California Assemblymember Diane Papan

California Assemblymember Marc Berman

San Francisco Mayor London Breed

San Mateo County Board of Supervisors: Dave Pine, President, Warren Slocum, Vice-President, Noelia Corzo, Ray Mueller, David Canepa

San Francisco County Board of Supervisors: Aaron Peskin, President, Connie Chan, Matt Dorsey, Joel Engardio, Rafael Mandelman, Myrna Melgar, Dean Preston, Hillary Ronen, Ahsha Safai, Catherine Stefani, Shamann Walton SFO Airport Commissioners: Malcolm Yeung, President; Everett A. Hewlett, Jr., Vice President; Jane Natoli, Jose Fuentes Almanza

