

# **Meeting Packet**

# Regular Meeting

Meeting No. 325
Wednesday, June 3, 2020 - 7:00 p.m.

#### \*BY VIDEO CONFERENCE ONLY\*

Please click the link below to join the webinar: https://smcgov.zoom.us/j/97396787245 Or Dial in:

US: +1(669)900-6833 Webinar ID: 973 9678 7245

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:**

Written public comments can be emailed to <a href="info@sforoundtable.org">info@sforoundtable.org</a>, and should include specific agenda item to which you are commenting. Spoken public comments will also be accepted during the meeting through Zoom.

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

#### <u>AGENDA</u>

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

Ricardo Ortiz, 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

Ricardo Ortiz, Roundtable Chairperson

#### **PRESENTATIONS**

#### 1. Chairman's Report

Ricardo Ortiz, Roundtable Chairperson

#### 2. Introduction of FAA Representative(s)

Ricardo Ortiz, Roundtable Chairperson

#### 3. Report from San Francisco Airport Commission

Ivar Satero, Airport Director - San Francisco International Airport

#### **Regular Meeting Packet**

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#### 4. Presentation on SFO Noise Portal

Bert Ganoung, Noise Abatement Manager

#### 5. Update on FAA IFP Gateway Review

Justin Cook, Roundtable Technical Consultant

pg. 8-15

#### **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.

6. Airport Director's Reports for November 2019

pg. 16

7. Minutes from the February 5, 2020, Regular Meeting

pg. 22

#### **REGULAR AGENDA**

#### 8. Legislative Subcommittee

pg. 29

Janet Borgens, Subcommittee Chair

a. ACTION: Approval of Letter: Notice of Proposed Rulemaking – Noise Certification of Supersonic Airplanes

#### 9. Portable Noise Monitor Placement Subcommittee

pg. 40

Terry O'Connell, Subcommittee Chair

a. ACTION: Recommendations Regarding Portable Noise Monitoring Terminals

#### **REPORTS**

#### 10. Ground Based Noise Subcommittee Report

Ann Schneider, Subcommittee Chair

#### 11. HMMH Contract Amendment

pg. 42

Ricardo Ortiz, Roundtable Chairperson

#### 12. Update on other Bay Area Roundtables

Ann Wengert, Roundtable Vice-Chairperson

#### 13. Report from Aviation Noise and Emissions Symposium 2020

Ann Schneider, Roundtable Member, and Linda Wolin, acting Roundtable Coordinator

#### 14. Member Communications / Announcements

Roundtable Members and Staff

#### 15. Adjourn

Ricardo Ortiz, Roundtable Chairperson

#### \*\*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 info@sforoundtable.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 meeting through Zoom. Please read the following instructions carefully:

- The June 3, 2020 SFO Roundtable regular meeting may be accessed through Zoom online at <a href="https://smcgov.zoom.us/j/97396787245">https://smcgov.zoom.us/j/97396787245</a>. The meeting ID: 973 9678 7245. The meeting may also be accessed via telephone by dialing in +1-669-900-6833, entering meeting ID: 973 9678 7245, 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.
- 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.



# **Member Roster**

February 2020

## CITY AND COUNTY OF SAN FRANCISCO BOARD OF SUPERVISORS

Ahsha Safaí, Supervisor

## CITY AND COUNTY OF SAN FRANCISCO MAYOR'S OFFICE

Edward McCaffrey, (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: Don Horsley

## CITY/COUNTY ASSOCIATION OF GOVERNMENTS AIRPORT LAND USE COMMITTEE (ALUC)

Carol Ford (Appointed)

#### **TOWN OF ATHERTON**

Elizabeth Lewis

Alternate: Rick DeGolia

#### **CITY OF BELMONT**

Davina Hurt

Alternate: Tom McCune

#### **CITY OF BRISBANE**

Terry O'Connell

Alternate: Madison Davis

#### **CITY OF BURLINGAME**

Ricardo Ortiz

#### **CITY OF DALY CITY**

Pamela DiGiovanni

Alternate: Rod Daus-Magbual

#### CITY OF FOSTER CITY

Sam Hindi

Alternate: Sanjay Gehani

#### **CITY OF HALF MOON BAY**

Harvey Rarback Alternate: Adam Eisen

#### **TOWN OF HILLSBOROUGH**

Alvin Royse

Alternate: Shawn Christianson

#### **CITY OF MENLO PARK**

Cecilia Taylor

Alternate: Cathy Carlton

#### CITY OF MILLBRAE

Ann Schneider Alternate: Anne Oliva

#### **CITY OF PACIFICA**

Mike O'Neill

Alternate: Deirdre Martin

#### **TOWN OF PORTOLA VALLEY**

Ann Wengert

Alternate: Craig Hughes

#### CITY OF REDWOOD CITY

Janet Borgens

Alternate: Giselle Hale

#### **CITY OF SAN BRUNO**

Marty Medina

Alternate: Rico Medina

#### **CITY OF SAN CARLOS**

Adam Rak

Alternate: Mark Olbert

#### **CITY OF SAN MATEO**

Eric Rodriguez

Alternate: Diane Papan

#### CITY OF SOUTH SAN FRANCISCO

Mark Addiego

Alternate: Mark Nagales

#### **TOWN OF WOODSIDE**

Thomas Livermore

Alternate: Richard Brown

#### **ROUNDTABLE ADVISORY MEMBERS**

#### **AIRLINES/FLIGHT OPERATIONS**

Captain James Abell, United Airlines Glenn Morse, United Airlines

#### FEDERAL AVIATION ADMINISTRATION

Thann McLeod, NORCAL TRACON

Tony DiBernardo, FAA Sierra-Pacific District

#### **ROUNDTABLE STAFF**

Linda Wolin, Acting Roundtable Coordinator Angela Montes, Roundtable Administrative Assistant Gene Reindel, Technical Consultant (HMMH) Justin Cook, Technical Consultant (HMMH) Adam Scholten, Technical Consultant (HMMH)

#### SFO AIRPORT NOISE ABATEMENT STAFF

Bert Ganoung, Noise Abatement Manager David Ong, Noise Systems Manager Nastasja von Conta, Senior Noise Abatement Specialist Anthony Carpeneti, Noise Abatement Specialist Anneliese Taing, Noise Abatement Specialist



# 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.

- You must fill out a Speaker Slip and give it to the Roundtable Coordinator at the front of the room, as soon as possible, if you wish to speak on any Roundtable Agenda item at this meeting.
- To speak on more than one Agenda item, you must fill out a Speaker Slip for each item.
- The Roundtable Chairperson will call your name; please come forward to present your comments.

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. Copies of the audio file can be made available to the public upon request. 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.

\*Due to COVID-19 new procedures are in place, please reference meeting agenda



# 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 22 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 2020, 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. 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. For more information about the Roundtable, please contact Roundtable staff at (650) 363-4220.

#### **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)).





455 County Center, 2nd Floor Redwood City, CA 94063 T (650) 363-1853 F (650) 363-4849 www.sforoundtable.org

May 1, 2020

TO: Roundtable Members and Interested Parties

FROM: Sarah C. Yenson, Senior Consultant

Justin W. Cook, Principal Consultant

Roundtable Technical Consultant - HMMH

SUBJECT: Federal Aviation Administration (FAA) Instrument Flight Procedures (IFP) Information

Gateway Review

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 no updates for OAK, SFO, or SJC during this cycle. The next publication is expected on May 21, 2020.

#### **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



#### **HMMH FAA IFP Information Gateway Review**

May 1, 2020 Page 2 of 2

o IAP: Instrument Approach procedure

o STAR: Standard Terminal Arrival Route

o SID: Standard Instrument Departure

o GPS: Global Positioning System

o ILS: Instrument Landing System

o LOC: Localizer

#### Low Importance:

None

#### **High Importance:**

None

#### **Open Comment Periods:**

None

#### **Next Publication:**

We expect the following updates in the May 21, 2020 publication:

- OAK
  - SID SILENT TWO
    - Currently Awaiting Publication on May 21, 2020





455 County Center, 2<sup>nd</sup> Floor Redwood City, CA 94063 T (650) 363-1853 F (650) 363-4849 www.sforoundtable.org

April 3, 2020

TO: Roundtable Members and Interested Parties

FROM: Sarah C. Yenson, Senior Consultant

Justin W. Cook, Principal Consultant Roundtable Technical Consultant - HMMH

SUBJECT: Federal Aviation Administration (FAA) Instrument Flight Procedures (IFP) Information

Gateway Review

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After analyzing the documents posted, HMMH determines proposed changes and the reason for the changes. The FAA IFP Information Gateway published one update for OAK during this cycle. The next publication is expected on April 23, 2020.

#### **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
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#### **HMMH FAA IFP Information Gateway Review**

April 3, 2020 Page 2 of 2

o IAP: Instrument Approach procedure

o STAR: Standard Terminal Arrival Route

o SID: Standard Instrument Departure

o GPS: Global Positioning System

o ILS: Instrument Landing System

o LOC: Localizer

#### Low Importance:

- March 26, 2020
  - o ILS or LOC RWY 12, AMDT 8B at OAK status change to Published
    - Status is "Published"

#### **High Importance:**

None

#### **Open Comment Periods:**

• None

#### **Next Publication:**

We do not expect any updates for OAK, SFO, or SJC in the April 23, 2020 publication.





455 County Center, 2<sup>nd</sup> Floor Redwood City, CA 94063 T (650) 363-1853 F (650) 363-4849 www.sforoundtable.org

March 10, 2020

TO: Roundtable Members and Interested Parties

FROM: Sarah C. Yenson, Senior Consultant

Justin W. Cook, Principal Consultant Roundtable Technical Consultant - HMMH

SUBJECT: Federal Aviation Administration (FAA) Instrument Flight Procedures (IFP) Information

Gateway Review

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 no updates for SFO, OAK, or SJC during this cycle. The next publication is expected on March 26, 2020.

#### **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
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#### **HMMH FAA IFP Information Gateway Review**

March 10, 2020 Page 2 of 2

o IAP: Instrument Approach procedure

o STAR: Standard Terminal Arrival Route

o SID: Standard Instrument Departure

o GPS: Global Positioning System

o ILS: Instrument Landing System

o LOC: Localizer

#### Low Importance:

None

#### **High Importance:**

None

#### **Open Comment Periods:**

None

#### **Next Publication:**

We expect to see updates for the following in the March 26, 2020 publication:

- OAK
  - o ILS or LOC RWY 12, AMDT 8B
    - Currently Awaiting Publication on 3/26/2020





455 County Center, 2nd Floor Redwood City, CA 94063 T (650) 363-1853 F (650) 363-4849 www.sforoundtable.org

February 10, 2020

TO: Roundtable Members and Interested Parties

FROM: Sarah C. Yenson, Senior Consultant

Justin W. Cook, Principal Consultant

Roundtable Technical Consultant - HMMH

SUBJECT: Federal Aviation Administration (FAA) Instrument Flight Procedures (IFP) Information

Gateway Review

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 updates on January 30, 2020. Three (3) updates were identified as low importance. The next publication is expected on February 27, 2020.

#### **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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  - RNAV: Area Navigation



#### **HMMH FAA IFP Information Gateway Review**

February 10, 2020 Page 2 of 2

o IAP: Instrument Approach procedure

STAR: Standard Terminal Arrival Route

SID: Standard Instrument Departure

GPS: Global Positioning System

ILS: Instrument Landing System

LOC: Localizer

#### Low Importance:

- January 30, 2020
  - SID QUAKE ONE at OAK status change to Published
    - Status is "Published"
  - o SID SUNNE ONE at OAK status change to Published
    - Status is "Published"
  - SID OAKLAND FIVE at OAK status change to Published
    - Status is "Published"

#### **High Importance:**

None

#### **Open Comment Periods:**

- SID SILENT TWO at OAK comment period ends: February 14, 2020
  - Removed: Chico VOR/DME transition
    - VOR/DME VORMON decommissioned
  - Removed: obstacles from Takeoff Obstacle Notes
    - Added: "See Form 8260-15A" to remarks section
  - Email concerns can be sent here:
     <a href="https://www.faa.gov/air\_traffic/flight\_info/aeronav/procedures/application/?event=procedure.results&tab=coordination&nasrId=OAK#searchResultsTop">https://www.faa.gov/air\_traffic/flight\_info/aeronav/procedures/application/?event=procedure.results&tab=coordination&nasrId=OAK#searchResultsTop</a>
- ILS/LOC RWY 12 AMDT 8B at OAK comment period ends: February 19, 2020
  - o Added: DME required; from RAIDR, RNAV 1 GPS required
  - Changed: RVR 2400 to RVR 1400—minimum RVR based on HAT per criteria
  - Removed: Chart note—DME required
  - o Moved to equipment notes: Planview note—GPS required
  - Email concerns can be sent here:
     <a href="https://www.faa.gov/air\_traffic/flight\_info/aeronav/procedures/application/?event=procedure.results&tab=coordination&nasrId=OAK#searchResultsTop">https://www.faa.gov/air\_traffic/flight\_info/aeronav/procedures/application/?event=procedure.results&tab=coordination&nasrId=OAK#searchResultsTop</a>

#### **Next Publication:**

No updates are expected for the February 27, 2020 publication.

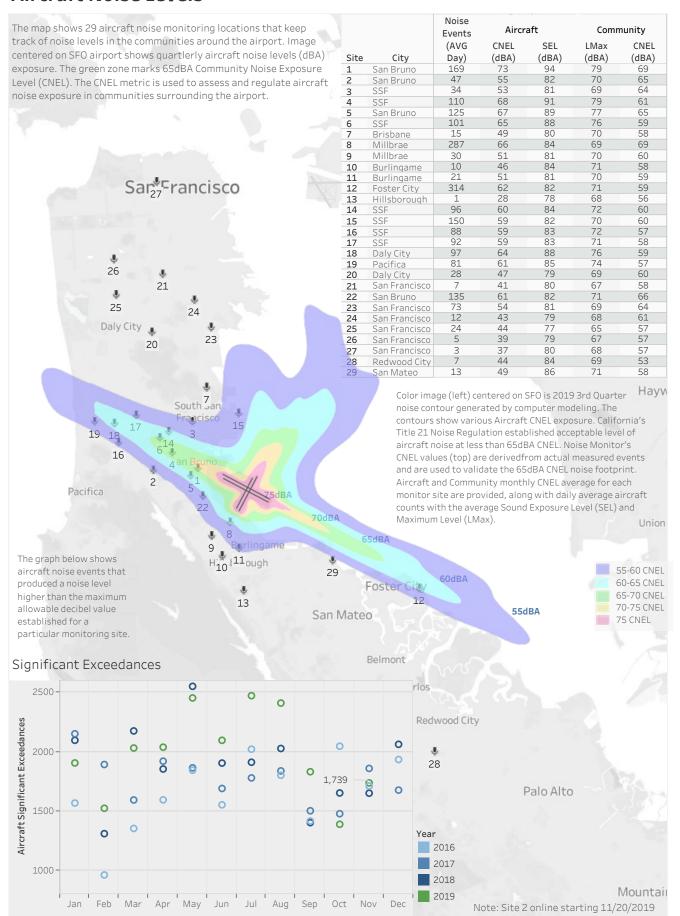


# Airport Director's Report

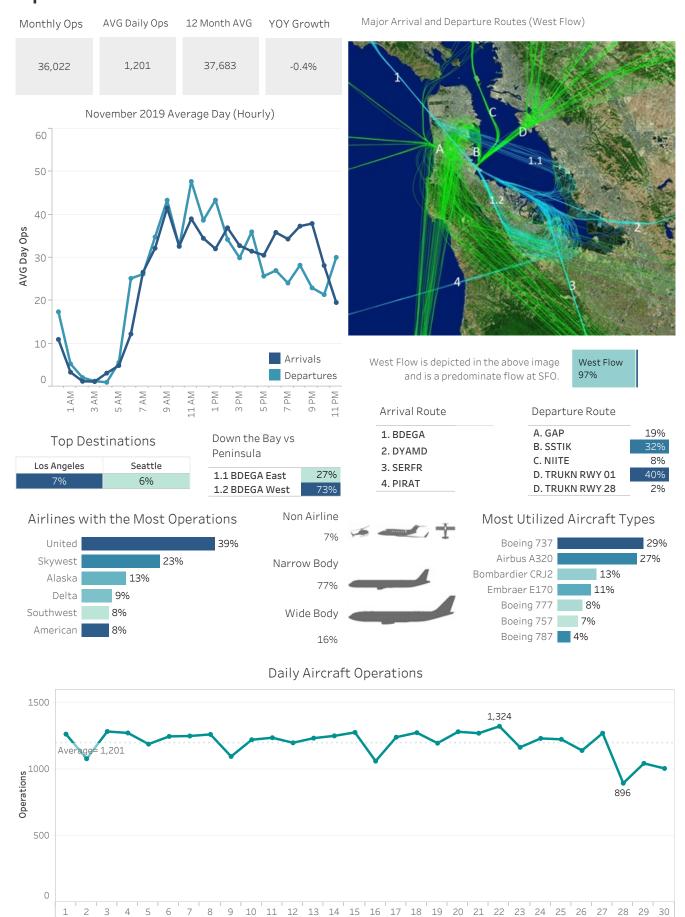
Presented at the June 3, 2020 Airport Community Roundtable Meeting

Aircraft Noise Abatement Office November 2019



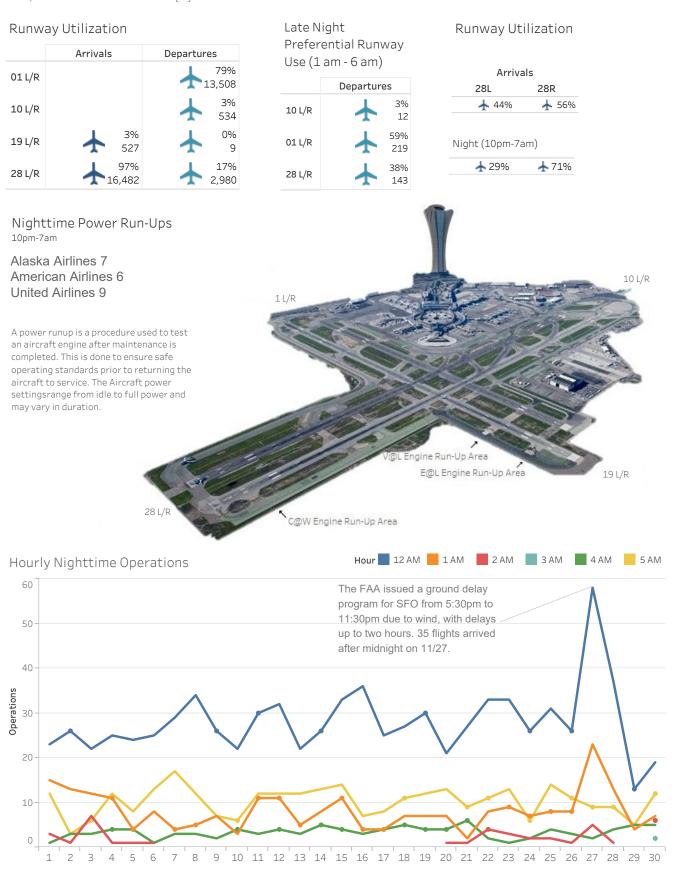


**Operations**November 2019



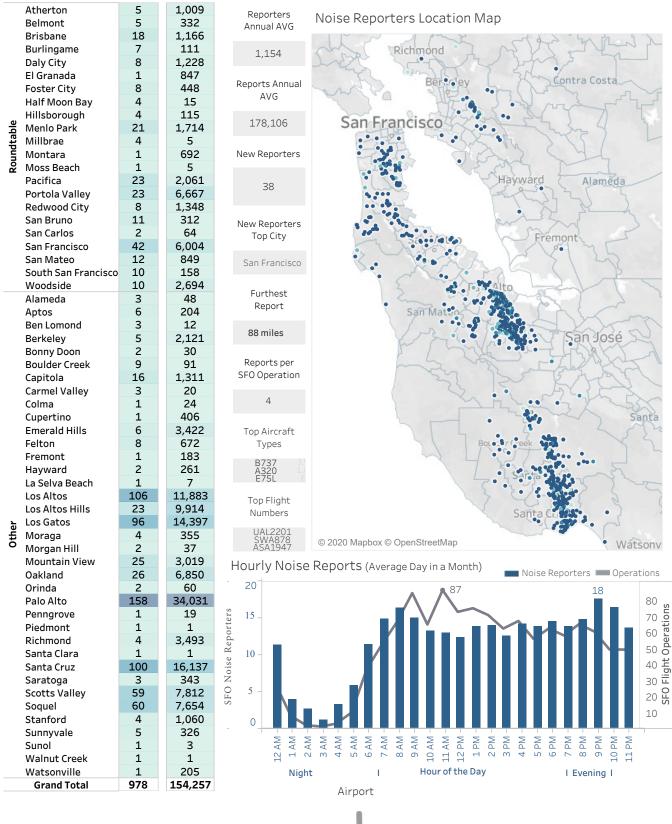
#### **Runway Usage and Nighttime Operations**

Monthly Runway usage is shown for arrivals and departures, futher categorized by all hours and nighttime hours. Graph at the bottom of the page shows hourly nighttime operations for each day. Power Runup locations are depicted on the airport map with airlines nighttime power runup counts shown below. Percent [%] is rounded to the nearest whole number.



#### **Noise Reports**

Noise Reporters / Noise Reports



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



100% of noise reports correlate to a flight origin/destination airport.

Source: SFO Intl Airport Noise Monitoring System

## SAN FRANCISCO INTERNATIONAL AIRPORT CITY & COUNTY OF SAN FRANCISCO



#### **MEMORANDUM**

TO: THE SAN FRANCISCO AIRPORT/COMMUNITY ROUNDTABLE

FROM: BERT GANOUNG

**SFO NOISE OFFICE** 

SUBJECT: DELAYED AIRPORT DIRECTOR'S REPORTS

DATE: MAY 26, 2020

I regret to inform you that we ran into considerable difficulty when we migrated to the new database under our system upgrade. The difficulty stems from the vendor's new method of storing and importing our noise report data. We have always been proud of our very precise data and have taken great measures to ensure what we are reporting is correct.

The Noise Office Staff and our vendor have been working on our data, grooming out duplicate items, ensuring correct map referencing and reprocessing one month at a time. After investing hundreds of hours, we recently completed our November 2019 Airport Director's Report. I have included this for the June 3, 2020 Airport/Community Roundtable Meeting. We believe that once we are through grooming the December 2019 data we will have surmounted the most difficult parts of this process. This should find our work on the remaining months taking less time.

We are currently processing the December 2019 through April 2020 Airport Director's Reports without noise reports/reporters data. We will post these partial reports as we have completed them on the Flyquietsfo.com reports page. Once we are confident in our noise reports/reporter's data the Director's Reports will be finished with our groomed noise report information and reposted.

#### **SFO Airport/Community Roundtable**

Meeting No. 323 Action Minutes Wednesday, February 5, 2020

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

Roundtable Chairperson, Elizabeth Lewis, called the Regular Meeting of the SFO Airport/Community Roundtable to order, at approximately 7:00 p.m., in the David Chetcuti Community Room at the Millbrae City Hall. Justin Cook, HMMH, called the roll. A quorum (at least 12 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

Elizabeth Lewis – Town of Atherton

Davina Hurt - City of Belmont

Terry O'Connell - City of Brisbane

Ricardo Ortiz - City of Burlingame

Pamela DiGiovanni - City of Daly City

Sam Hindi - City of Foster City

Shawn Christianson – Town of Hillsborough

Cecilia Taylor – City of Menlo Park

Ann Schneider – City of Millbrae

Mike O'Neill - City of Pacifica

Ann Wengert – Town of Portola Valley

Ann Schneider – City of Millbrae

Mike O'Neill - City of Pacifica

Ann Wengert – Town of Portola Valley

Janet Borgens - City of Redwood City

Laura Davis - City of San Bruno

Adam Rak - City of San Carlos

Mark Addiego – City of South San Francisco

Tom Livermore – Town of Woodside

#### REGULAR MEMBERS ABSENT

City and County of San Francisco Board of Supervisors City and County of San Francisco Mayor's Office C/CAG Airport Land Use Committee (ALUC) City of San Mateo City of Half Moon Bay

#### ROUNDTABLE STAFF

Angela Montes Cardenas – Administrative Secretary II Justin Cook – Roundtable Consultant (HMMH)

#### SAN FRANCISCO INTERNATIONAL AIRPORT STAFF

Bert Ganoung, Noise Abatement Manager David Ong, Noise Abatement Systems Manager Anneliese Taing, Noise Abatement Specialist Anthony Carpeneti, Noise Abatement Specialist

Elizabeth Lewis shared that James Castaneda is no longer with the Roundtable as he took another job offer in Southern California. She introduced Angela Montes Cardenas,

Administrative Secretary to the Roundtable. Until a replacement is found, HMMH will bridge the staff gap in the interim along with Linda Wolin from Supervisor Dave Pine's office.

To honor Megan Gosch's time, Elizabeth asked if anyone opposed to moving item 8 up on the agenda. There were no objections.

#### Presentation on Census 2020 and Impacts on Roundtable Communities

Ms. Gosch shared information regarding importance of responding to the Census questionnaire. She shared a timeline of what reminders will be sent out. She shared that people experiencing homelessness will be able to respond by inputting information about a specific location. She shared that though citizenship question is not on the survey, it has done a lot of damage in immigrant communities. She shared what is at stake for our communities. She spoke on all the working relationships and partnerships created to help their Census effort.

#### 2. Elections of Roundtable Chairperson for Calendar Year 2020

<u>ACTION:</u> Elizabeth Lewis **MOVED** to nominate City of Burlingame representative Ricardo Ortiz for the position of Chairperson and Ann Schneider seconded the nomination. Hearing no additional nominations, a vote was taken, and the nomination of Ricardo Ortiz as Roundtable Chairperson was CARRIED, unanimously.

#### 3. Elections of Roundtable Vice-Chairperson for Calendar Year 2020

<u>ACTION:</u> Janet Borgens **MOVED** to nominate Town of Portola Valley representative Ann Wengert for the position of Vice-Chairperson. Ann Schneider seconded the nomination. Hearing no additional nominations, a vote was taken, and the acceptance of Ann Wengert as Roundtable Vice-Chairperson was CARRIED, unanimously.

Chairperson Ortiz thanked Elizabeth Lewis for her service and presented her with a gift on behalf of the Roundtable.

## 4. Approval of Resolution 20-01: Designating Roundtable Meeting Dates, Times and Place for Calendar Year 2020

<u>ACTION:</u> Ann Schneider **MOVED** approval. The motion was seconded by Adam Rak and CARRIED, unanimously.

#### 5. Public Comments on Items NOT on the Agenda

A total of 12 members of the public spoke during public comments:

Carol Navarro – City of San Bruno
Mark Shull Doreen Gotelli – City of South San Francisco
Charlie Wambeke – City of San Francisco
Rebecca Ward – City of Palo Alto
Ashley Hathaway – City of San Francisco
Eric Filseth – Palo Alto City Council
Marie-Jo Fremont – City of Palo Alto
Darlene Yaplee – City of Palo Alto

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Dr. Bruce Colville – City of San Francisco Miki Shinozuka – City of Foster City Steve Rudy – City of Millbrae

## 6. Airport Director's Reports for October 2019 and 2019 Q3 Fly Quiet Report 7. Action Minutes from December 4, 2019 Regular Meeting

Ann Schneider briefly addressed public member Steve Rudy's comment that noise complaints filed due to GBN, because they are not due to an airplane in flight, cannot be matched to an airplane, and thus the report may be discounted. She asked if the Director's Reports could add a footnote to reflect that.

In response to public comment Bert Ganoung stated that stopjetnoise.net, a private entity, shares data they collect with the Airport Office of Noise Abatement, and the airport then includes it in Director's Report and does not discount any report. Reports would be discounted if they are incomplete and don't include name and address. Mr. Ganoung added that 99% of airport reporting is through this third party.

ACTION: Adam Rak MOVED approval. The motion was seconded and CARRIED, unanimously.

#### 8. Presentation on Census 2020 and Impacts on Roundtable Communities

Item was presented after roll call, see above.

#### 9. SFO Updates

Ivar Satero shared information regarding the Coronavirus and how SFO is ramping up operations with the federal Centers for Disease Control (CDC). CDC brought in additional people to do screenings at SFO. He shared information about a new presidential order that anyone who is non-US citizen or does not have permanent residency and has travelled to China in the last 14 days is not allowed entrance to the US. He mentioned that for citizens and residents they have screenings and health checks. Mr. Satero gave a status update on GBAS, he shared that SFO is still in negotiations with Honeywell. SFO is investing \$10 million on this GPS landing technology system but is waiting to hear back from Honeywell. He wanted to address that very few flights are going to China, there are typically 90 flights to China per week and it was dropped to 40 flights and continues to drop due to Coronavirus concerns. Mr. Satero gave an update on Replacement and Second Chance Noise Insulation programs. Mr. Satero addressed public comments from prior meeting, specifically around the length of time that people are having to wait for insulation. He also gave an update on noise monitoring in Palo Alto. Mr. Satero and Bert Ganoung addressed questions from Roundtable members and the public.

## 10. Report from Ground Based Noise Ad-Hoc Subcommittee January 30, 2020 & Additional Matters Related to Ground Based Noise

Chair Ortiz gave an update on what type of study the Roundtable wants to do moving forward. Roundtable HMMH consultant Justin Cook shared that 3 memos were discussed including vegetation noise effects, spectral data noise analysis and data request to conduct noise modeling. Ann Schneider made a comment and referred to spectral data analysis conducted by HMMH.

## 11. NIITE/HUSSH Procedure Status & Additional Matters Related to Departures Discussion

Justin Cook had no additional updates. Ivar Satero gave a brief background on what NIITE/HUSSH is. He shared that this is an effort with the FAA and Airlines to engage in the study of NIITE/HUSSH. He stated that all parties agree to move forward with the study, but it does not mean it is being implemented, it means everyone agrees that it should be studied further to see if there is noise shifting and further impact to communities. Chair Ortiz added that the idea of NIITE/HUSSH is to change the flight path procedure from flying straight over San Francisco to going a bit further out North and over the Golden Gate instead.

In response to public comment Justin shared that he is not being kept up to date on NIITE/HUSSH. Ivar shared that the first step is to get alignment amongst stakeholders: Airports, Airlines and FAA. He reiterated that as of 3 weeks ago everyone agrees to move forward.

#### 12. PIRAT TWO Status & Additional Matters Related to Arrivals Discussion

Justin Cook had no additional updates related to PIRAT TWO.

#### 13. FY2019-2020 Roundtable Budget

<u>ACTION:</u> Elizabeth Lewis **MOVED** approval. The motion was seconded by Janet Borgens and CARRIED, unanimously.

#### 14. Formal Coordination with other Bay Area Roundtable Status

Vice-Chair Ann Wengert provided a brief update. Cecilia Taylor asked for procedures of adding cities to the Roundtable. Elizabeth Lewis shared that in the past the Roundtable voted against adding Palo Alto as they are not part of San Mateo County.

#### 15. Appointments for Roundtable Subcommittee

Technical Working Group – Schneider (chair), Borgens
Legislative and Policy – Borgens (chair), DiGiovanni, Schneider, Kathleen Wentworth from
Jackie Speier's Office
Work Plan – Ortiz
Ops & Efficiencies - Ad Hoc
GBN – Schneider (chair), Royse
Noise Monitor Placement - O'Connell (chair), O'Neill, Royse, Taylor

<u>ACTION:</u> Terry O'Connell **MOVED** to add Noise Monitor Placement as Ad-Hoc subcommittee. The motion was seconded by Elizabeth Lewis and CARRIED, unanimously.

#### 16. Member Communications / Announcements

City of Belmont Councilmember, Davina Hurt, asked about orientation for new members. Bert Ganoung shared that he highly advises all members to be a part of a TRAcon tour. He also shared that he would be happy to host another Noise 101 session.

Ivar Satero- spoke about the new facility, the Sky Terrace that is opening February 14, 2020.

#### 17. Adjourn

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Chairperson Ortiz adjourned the meeting at approximately 8:57 p.
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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.





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

TO: Roundtable Members

FROM: Janet Borgens, Chair, Legislative Subcommittee

RE: Notice of Proposed Rulemaking (NPRM) – Noise Certification of Supersonic Airplanes

The FAA published a Notice of Proposed Rulemaking regarding Noise Certification of Supersonic Airplanes in the U.S. Federal Register on April 13, 2020. The NPRM process provides 90 days for public comment prior to the FAA finalizing a ruling.

The introduction of additional supersonic aircraft into the NorCal Metroplex could have a substantial noise impact on our community. Thus, it is important that the SFORT engage in the process of rulemaking on these aircraft.

#### Attached are two documents:

- 1. Draft letter to be sent on behalf of the SFORT that would recommend the following:
  - a. The FAA should follow its long-standing position of requiring new supersonic aircraft to meet the same noise certification levels as subsonic aircraft; and
  - b. Supersonic aircraft should meet or exceed Stage 5 requirements, which would remain consistent with subsonic aircraft and not create a new category that falls between Stage 4 and 5.
- 2. Powerpoint presentation prepared by Don Scata, FAA Noise Division Manager, for presentation to the Santa Cruz Santa Clara Roundtable, as background on this issue

I recommend the SFORT approve this letter.







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May 26, 2020

Stephen Dickson, Administrator Federal Aviation Administration 500 Independence Avenue, S.W. Washington, DC 20591

Re: Notice of Proposed Rulemaking (NPRM) – Noise Certification of Supersonic Airplanes Docket No.: FAA-2020-0316; Notice No. 20-06

Dear Mr. Dickson,

I am writing to you on behalf of the San Francisco International Airport/Community Roundtable, a coalition of more than 20 jurisdictions that advocate on behalf of the communities surrounding SFO, particularly as relates to aircraft noise and impacts.

As part of the 2018 reauthorization, the FAA was directed to take leadership of the creation of policies, regulations, and standards associated to the certification and safe/efficient operation of new supersonic aircraft by March 31, 2020. The FAA published the draft NPRM on its website to meet this legislative target and the official NPRM was posted on the U.S. Federal Register on April 13, 2020.

It is our understanding that the NPRM would:

- 1. Amend the applicability of part 36 to include new supersonic airplanes for which type certification is requested after a final rule takes effect;
- 2. Revise the definition of supersonic airplane to include newly certificated airplanes but exclude the Concorde;
- 3. Provide noise certification reference procedures to be used for all supersonic airplanes; and
- 4. Establish noise limits for takeoff and landing that would apply to Supersonic Level 1 (SSL1) airplanes, as defined in the proposed regulation. The proposed standards include noise limits that are quieter than the Stage 4 limits at which most of the current subsonic jet fleet operates, though louder than the current certification level of Stage 5 for the same aircraft weights.

The NPRM process provides 90 days for public comment prior to the FAA finalizing a ruling. Therefore, the SFO Airport/Community Roundtable submits the following two (2) recommendations regarding the proposed FAA rulemaking to establish noise certification standards for new supersonic aircraft.

1. The FAA should follow its long-standing position of requiring new supersonic aircraft to meet the same noise certification levels as subsonic aircraft; and



#### Subject of Memo May 26, 2020

Page 2 of 2

2. Supersonic aircraft should meet or exceed Stage 5 requirements, which would remain consistent with subsonic aircraft and not create a new category that falls between Stage 4 and 5.

Regards,

Ricardo Ortiz, Chairperson, Ann Wengert, Vice Chairperson, Janet Borgens, Subcommittee Chair San Francisco International Airport/Community Roundtable

CC:

Members, SFO Roundtable
Congresswoman Jackie Speier
Congresswoman Anna Eshoo
Congressman Jimmy Panetta
Raquel Girvin, Regional Administrator – Western Pacific Region, Federal Aviation Administration

# **Supersonic Landing and Takeoff Noise**

Overview of U.S. Notice of Proposed Rulemaking

Presented to:

By: Don Scata

Date: April 14, 2020



## **U.S. Rulemaking Process**

## What is the U.S. Rulemaking Process?

- The U.S. Rulemaking Process is designed to allow the public & stakeholders (both domestic and international) an opportunity to review and comment on proposed legislation.
- The process consists of a proposed rule (what we call a Notice of Proposed Rulemaking
   NPRM) followed by a comment period, and then a final rule.
- Typically, the final rule is published within 18 months after the end of the comment period, however each Agency has discretion on timing.

## What are the process details of this NPRM?

- While FAA published the draft NPRM on FAA.gov, we did so to meet our legislative target.
- The NPRM was <u>officially posted on the U.S. Federal Register</u> on April 13, 2020. The comment period for this rule will be 90 days.
- The comment period started at time of publication and will end on July 13, 2020.
- We welcome comments from all stakeholders including our international colleagues in CAEP.

## Overview (1 of 2)

## What does this rule propose to do?

- This rule would set U.S. noise certification standards for new supersonic airplanes.
- These noise certification standards would apply to noise levels during landing and takeoff (when the airplane is operated at subsonic speeds).
- The rule would not change the existing prohibition on supersonic flight (Mach 1 or greater) over land in the United States, or otherwise address sonic boom.

## Why is it necessary?

- Existing FAA noise certification standards do not cover supersonic airplanes other than the Concorde.
- A noise certification standard will allow manufacturers to receive FAA Type Certification for new supersonic airplanes that are currently under development.
- Setting a noise certification standard will provide the regulatory certainty needed make critical design decisions and make substantial investments in airframe and engine programs.

## Overview (2 of 2)

## Why are we doing this now?

- Several U.S. aerospace manufacturers are developing the next generation of supersonic airplanes for entry-into-service in the mid to late 2020s.
- In the FAA Reauthorization Act of 2018, Congress directed FAA to develop and issue a Notice of Proposed Rulemaking to set a noise certification requirement for supersonic airplanes by March 31, 2020.

## Key Takeaway

- This rule will enable innovation in supersonic aviation by filling a gap in existing noise certification requirements, removing uncertainty, and providing a necessary requirement for certification of new supersonic aircraft.
  - NOTE: Noise certification is just one element of the FAA type certification. New supersonic aircraft will need to go through a thorough application process to receive type certification.
- The NPRM process is a chance to comment on the proposal and provide feedback prior to FAA finalizing a rule.

# Supersonic Noise & Certification Background (1 of 2)

- Two types of noise There are two types of regulated noise from supersonic aircraft:
  - 1) <u>landing and takeoff (LTO) noise</u>; and
  - 2) sonic boom generated during cruise flight at supersonic speeds.

#### LTO noise

- During landing and takeoff, supersonic aircraft operate at subsonic speeds. FAA is required to regulate LTO noise by setting noise certification requirements.
- There are two principal elements of a LTO noise certification standard:
- 1) Noise Level LTO noise certification standards set both individual noise levels for three measurement points (known as "lateral," "flyover," and "approach") and a cumulative noise level for each aircraft type
- **2) Reference Procedures** In addition to the noise levels, FAA requires that manufacturers follow a precise set of "reference procedures" (*i.e.*, specific requirements for how the plane is flown) when measuring noise. These reference procedures are indicative of how the plane will be flown in normal operations.

## Supersonic Noise & Certification Background (2 of 2)

## Unique design characteristics of supersonic aircraft

- Supersonic aircraft have unique design characteristics, such as a low-drag dart-like aerodynamic shape and engine design, that are necessary for achieving efficient supersonic flight at cruise altitude, and have implications for subsonic landing and takeoff performance and noise.
- These characteristics make supersonic aircraft sufficiently distinct from today's subsonic aircraft to merit an independent analysis and a unique cumulative noise level for LTO noise certification.

#### Sonic Boom

- At cruise altitude, supersonic aircraft generate a sonic boom when flying faster than Mach 1. Concerns regarding sonic boom from the Concorde led to a ban on supersonic flight over land in the United States.
- This rulemaking does not address sonic boom, and it is anticipated that the first generation of new supersonic aircraft will only operate at supersonic speeds over water.

## **Key Elements of Proposed Rule (1 of 2)**

## Weight and speed

 The proposed rule applies to new supersonic aircraft that have a maximum takeoff weight of 150,000 pounds [~68 Tonne] (or less) and a maximum operating cruise speed of Mach 1.8.

#### LTO Noise Level

- The proposal sets a proposed cumulative LTO noise level for new supersonic aircraft (SSL1).
  - Noise level based on extensive collaboration with NASA and data collection from industry projects
  - SSL1 is a level that is economically reasonable, technologically practicable, and appropriate for the applicable aircraft, while reducing noise to the greatest extent possible while allowing the airplane to operate safely.
- This creates a new level and limit for supersonic aircraft, but uses the same 'measuring stick' as subsonic – EPNdB.

## **Key Elements of Proposed Rule (2 of 2)**

## Reference procedure changes –

- The proposal includes changes to some elements of the existing reference procedures used to measure aircraft LTO noise levels during certification
- These changes taking into account operational characteristics of supersonic aircraft, as well as technology advances
- Allows for flexibility in takeoff reference speeds, but requires FAA approval
- Allows for the use of Variable Noise Reduction Systems (VNRS)
  - If used for certification, requires the use of VNRS during normal operation
  - Requires the applicant to provide a way for the flight crew to verify that the VNRS is operating correctly before takeoff
  - Requires the applicant to demonstrate that ending Programmed Lapse Rate (PLR) does not produce a noise impact on the ground that exceeds the level at the certification measurement points

# **Regulatory Evaluation (1 of 2)**

## Supersonic aircraft potentially qualifying for type certification

Based on data by aircraft developers and likely producers,

- Two supersonic airplanes could qualify for type certification as a result of this proposal and potentially begin production by 2025 assuming these airplanes would meet all existing requirements for certification.
- A production of 25 airplanes per certificate for 50 total airplanes per year, a
  production period of ten years, and airplane life of 20 years could be realized (likely
  upper bound).
- Fifty percent or more of production would be sold to foreign operators based on current market indicators.
- Therefore, the potential life cycle of the first U.S. civil supersonic fleet results in deliveries to U.S. operators of 25 airplanes per year (same to foreign operators) until the U.S. operating fleet reaches a potential peak of 250 airplanes in 2034.

# **Regulatory Evaluation (2 of 2)**

## Incremental change of proposed LTO cycle noise limits

- The impact of the incremental change in the certificated noise level resulting from the proposed LTO cycle noise limits is low.
- The FAA looked at the noise level of airplanes in the future subsonic fleet and the noise levels of the 2- and 3-engine supersonic airplanes that would be covered under this proposed rule using the potential peak of 250 airplanes in 2034 previously discussed.
- The anticipated certification noise levels of the 2-engine supersonic airplane is in the 57th percentile of the subsonic fleet, and the anticipated certification noise level of the 3-engine supersonic airplane is in the 74th percentile of the subsonic fleet.
- In addition, the number of supersonic airplanes expected to be certificated is small and would represent less than three percent of the combined subsonic and supersonic U.S. fleet in 2034.





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May 26, 2020

TO: San Francisco International Airport (SFO) Aircraft Noise Abatement Office (ANAO)

FROM: Terry O'Connell, Chair, SFO Airport/Community Roundtable Ad-Hoc Subcommittee on Noise Monitor Placement

SUBJECT: Recommendations Regarding Portable Noise Monitoring Terminals (NMTs)

The SFO ANAO maintains an aircraft noise monitoring system to keep track of noise levels in communities around SFO. The system was recently upgraded to all new state-of-the-art equipment and software; the equipment consisting of 28 permanent fixed Noise Monitoring Terminals (NMTs) and eight portable NMTs, representing four more portable NMTs more than their previous system.

The SFO Airport/Community Roundtable has expressed interest in being more involved in the decision making related to placement of the portable NMTs. It has created an Ad-Hoc Subcommittee on Noise Monitor Placement to assist the SFO ANAO in determining rotation systems and priority placements for the NMTs.

With the previous system, the SFO ANAO had historically utilized its portable NMTs in two ways:

- 1. Permanent Portable
- 2. Short-Term Portable

Permanent portable NMTs are utilized to measure noise levels on a reoccurring interval (such as quarterly) at the same rotating locations for a typical duration of 2 weeks each. Permanent portable NMTs currently being deployed quarterly in Brisbane, Portola Valley and Woodside.

Short-term portable NMTs are utilized to measure noise levels for a typical duration of 2 weeks as requested by members of the community. Unlike permanent portable NMTs, there is no reoccurring interval established. In 2019, short-term portable NMTs were deployed in San Francisco, Burlingame and Palo Alto.

The SFO Airport/Community Roundtable Ad-Hoc Subcommittee on Noise Monitor Placement recommends to the SFO ANAO to:

- 1. Maintain the allocation of four permanent portable NMTs
  - a. Current locations include Brisbane, Portola Valley, Woodside
  - b. Consider adding other locations
- 2. Utilize the remaining four portable NMTs in an expanded short-term noise monitoring program
  - a. Requests should be submitted to SFO ANAO as in the past
  - b. Should requests exceed the availability of NMTs, or should prioritization be required, SFO ANAO will submit requests to the SFO Airport/Community Roundtable Ad-Hoc Subcommittee on Noise Monitor Placement for review.



#### **Recommendations Regarding Portable NMTs**

May 26, 2020 Page 2 of 2

- c. The SFORT Ad-Hoc Subcommittee on Noise Monitor Placement will prioritize its recommendations based on criteria such as geographic balance, socioeconomic status and perceived noise impact.
- d. The SFORT Ad-Hoc Subcommittee on Noise Monitor Placement will, where applicable, issue recommendations on community priorities, and report such to the full Roundtable as well as the SFO ANAO.





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May 27, 2020

TO: SFO Community Roundtable Members

FROM: Ricardo Ortiz, Roundtable Chairperson and Ann Wengert, Roundtable Vice Chairperson

SUBJECT: Update Regarding Roundtable Technical Consultant, HMMH

The SFO Community Roundtable ("the Roundtable") conducts its work through two key agreements; (1) a Memorandum of Understanding between the County of San Mateo and the San Francisco International Airport for staffing and administrative support, and (2) a contract between the County of San Mateo and an outside technical consultant for technical support. The County manages these agreements on behalf of the Roundtable.

The most recent contract for technical services, signed between the County and HMMH in 2017, is due to expire at the end of June 2020. Given current events and Roundtable staff turnover, the County proposes to extend the HMMH contract for one (1) additional year through FY 2020-21 in order for the Roundtable to continue its regular business.

Under normal circumstances, the County, on behalf of the Roundtable, would issue a Request for Proposals (RFP) prior to the end of each contract, and engage in an open bid process. However, due to staff turnover and unfortunate COVID-19 events, the County will extend the contract with HMMH for 12 months, with the existing scope of work. We note that we have asked the County to begin the RFP process as soon as is possible within the limited staff resources to ensure a timely process for interviews and evaluation. At the appropriate time, the County will invite the Roundtable Chair and Vice Chair to collaborate on the RFP process.

In this light, the County of San Mateo's Planning and Building Department (which provides administrative services for the Roundtable) is proceeding with the contracting process to have HMMH continue their services through the end of June 2021.

