



Meeting Announcement

Technical Working Group

Wednesday, May 26, 2021
12:00 p.m. – 1:30 p.m.

BY VIDEO CONFERENCE ONLY

Please click the link below to join the webinar:

<https://smcgov.zoom.us/j/98842600602>

Or Dial-in:

US: +1(669)900-6833 Webinar ID: 988 4260 0602

**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

AGENDA ITEMS

1. NIITE and HUSSH Departures - GOBBS (40-min)

FAA Presentation and Question Responses from TWG Meeting 3/26/21

Attachments: SFORT to FAA NIITE HUSSH questions dated 4-19-21 and HMMH Presentation 5-26-21

2. Ground-Based Augmentation System (40-min)

Nupur Sinha, SFO Planning and Environmental Director

Paul Hannah, Consultant Airspace and Flight Operations Engineer

a. Overlay and Innovative Approach Procedures

b. Review of Community Flight Package – Innovative Procedure Q-A

Attachments: GBAS Overlay Procedure Review, Evaluation GLS 28R ARCHY and EDDIE

(https://noise.flysfo.com/?category_name_from_single=qbas) and SFORT Comments on CFP-Innovative Procedure of 5-19-21.

3. Status of Title 21 Reports (2017-Q1-2021): Review Status and Next Steps (5-min)

Attachments: Title 21 Reports (<https://www.flysfo.com/community/noise/reports-and-resources/title-21-reports>) and HMMH Review of Quarterly Report letter of April 26, 2021.

4. Adjourn



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

During videoconference of the Technical Working Group subcommittee meeting, members of the public may address the Roundtable as follows:

Written Comments:

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

1. Your written comment should be emailed to amontescardenas@smcgov.org.
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 12:00 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 on Items NOT on the Agenda, and at the end of each Agenda Item. It is up to the Chairperson to increase the frequency of public comments, such as after each Agenda Item. Please read the following instructions carefully:

1. The May 26, 2021 Subcommittee meeting may be accessed through Zoom online at <https://smcgov.zoom.us/j/98842600602>. The meeting ID: 988 4260 0602. The meeting may also be accessed via telephone by dialing in +1-669-900-6833, entering meeting ID: 988 4260 0602, 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.

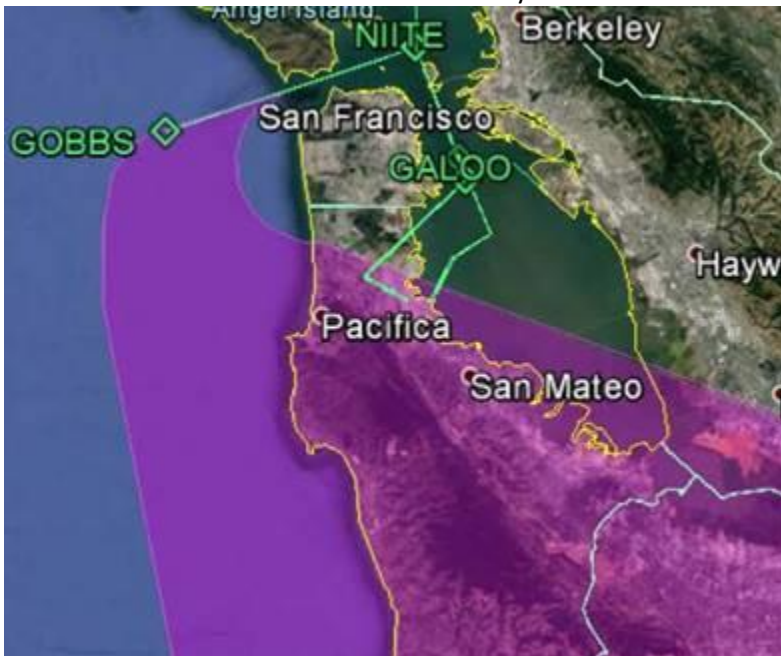
Note: To arrange an accommodation under the Americans with Disabilities Act to participate in this public meeting, please call (650) 363-4220 at least 2 days before the meeting date.

Marina Landis (FAA),

Following up on the San Francisco International Airport Community Roundtable meeting of March 26 Technical Working Group (TWG) meeting where several questions required follow-up. Below is my summary of the questions as I heard them:

1. Technical Working Group Meeting (June 26, 2021) Agenda Items
NIITE/HUSSH

- a. For the south transition of this procedure, is GOBBS a fly by or fly over waypoint? If GOBBS is a fly by waypoint, can it be made a fly over waypoint to prevent aircraft from turning prior to the waypoint and heading over land at a lower altitude than if they were at or past the GOBBS waypoint and then turned.
- b. After the GOBBS waypoint what are the options staying over the ocean when headed south/southeast within the existing procedures vs. creating a new procedure. The goal is to allow aircraft to gain additional altitude before flying over land without significant noise from air brakes over land.
- c. Can the FAA provide the noise modeling results in grid format and details from the environmental review process.
- d. What is the anticipated range of altitudes and airspeeds of aircraft in the purple area of your graphic below when aircraft initially cross over land?



2. Runway 28L/R

- a. Can the representative from NCT discuss how they educate and reinforce to controllers on the importance of using a single stream to Runway 28R when traffic permits, such as times at night during increased sensitive from bayside communities? The Roundtable would like to understand how this standard operating procedure is enforced and seeks ways of improving its use.

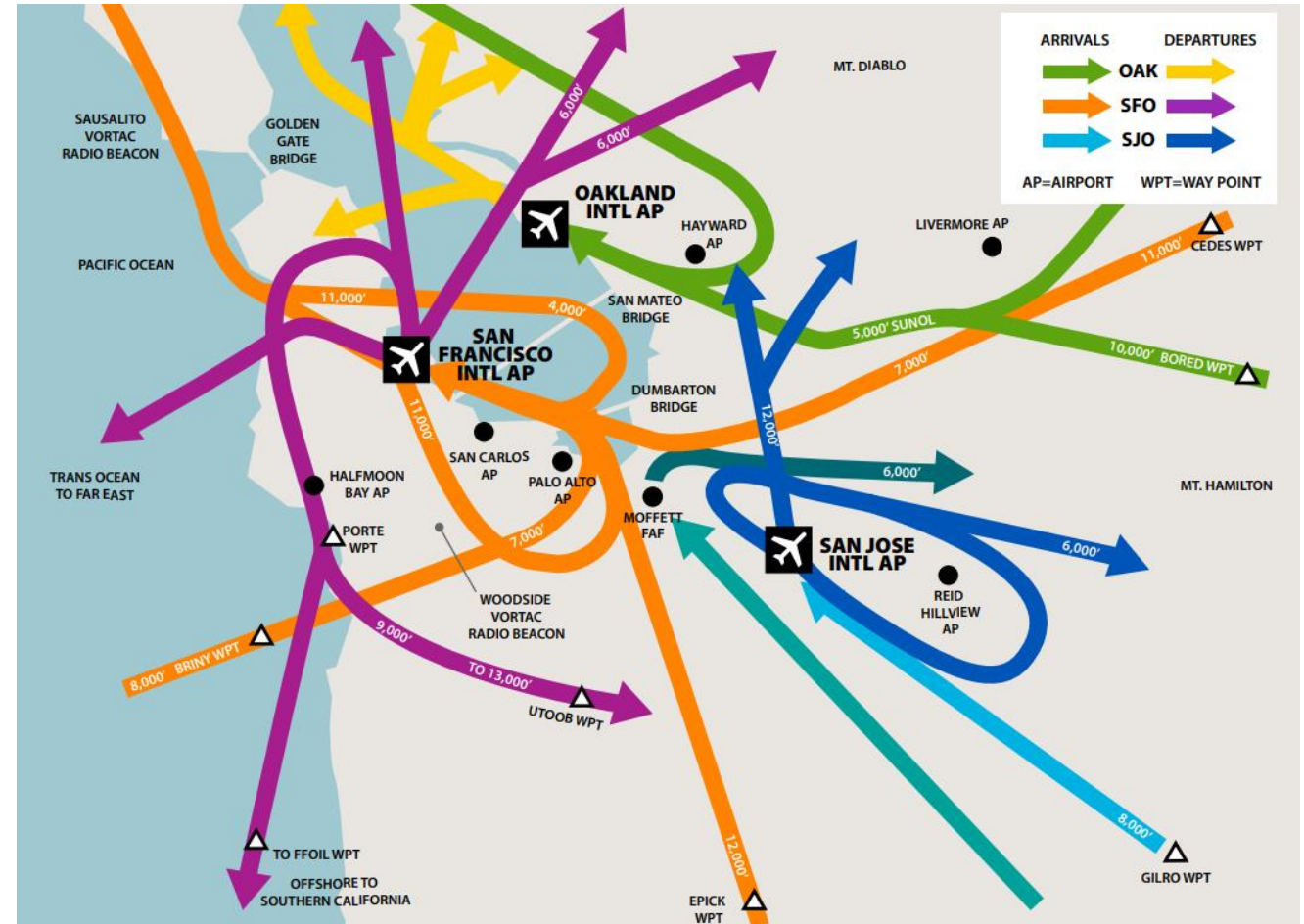
Michele Rodriguez
San Francisco International Airport/Community Roundtable Coordinator
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2020/2021 Work Plan - Goal #1: Review and Comment on Aircraft Procedures - Continued

By: Justin W. Cook – INCE, LEED GA
For: Roundtable Technical Working Group (TWG)
May 26, 2021

Outline

- Implemented Select Committee Recommendations
- Recommended Next Steps
 - NIITE/HUSSH Procedures
 - Runways 28L/R Procedures



Implemented Select Committee Recommendations

- FAA to respond to how many Select Committee recommendations have been implemented and which ones; per Chair request on April 7, 2021, regular Roundtable meeting
- FAA plans to hold a virtual community information briefing this summer which will include an update to the recommendations that the Select Committee provided to the FAA

Recommended Next Steps for NIITE/HUSSH

NIITE/HUSSH Issue	SFO Roundtable Recommendation	FAA Proposal	TWG Recommended Next Steps
Nighttime Hours	12 a.m. to 6 a.m.	1 a.m. to 5 a.m.	<ol style="list-style-type: none"> 1. Accept FAA's current proposal? 2. Analyze recent SFO/OAK flight track data from 12 a.m. to 1 a.m. and 5 a.m. to 6 a.m. 3. If supported, make recommendation to FAA to expand hours
GOBBS Waypoint	Stay over ocean when proceeding to waypoints to south and southeast	ATC will allow aircraft to turn to rejoin their route once they are over the ocean on the transition from NIITE to GOBBS by proceeding to waypoints to the south and southeast	<ol style="list-style-type: none"> 1. Accept FAA current proposal? 2. Monitor vectoring occurring between NIITE and GOBBS waypoints after implementation 3. Analyze recent SFO/OAK flight track, altitude, and airspeed data 4. Conduct noise modeling of analyzed data 5. If supported, make recommendation to FAA and reiterate Roundtable recommendations (staying over ocean)



Recommended Next Steps for Runways 28L/R

- Monitor and report runway use using SFO's Aircraft Noise Abatement Office (ANAO) as part of their noise system
- Analyze recent data to determine:
 - Times when a single stream to Runway 28R was not used
 - If a single stream to Runway 28R could have been used during those times
- Meet with NCT to discuss the use of a single stream to Runway 28R as per their standard operating procedure
- Educate and reinforce to controllers on the importance of using a single stream to Runway 28R
- Analyze future data to determine if use of a single stream to Runway 28R is increased, sustained and/or further increased

Thank you!

Justin W. Cook – INCE, LEED GA

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Comments on Community Flight Package – Innovative Procedure

By San Francisco International Airport Community Roundtable dated 5/19/21

Presentation

Provide in verbal presentation:

- a. Wide bodies 30% why not feasible vs. narrow body explanation
- b. Why SEL, not N Above or CNEL wont tell the whole story.
- c. Why air brakes number cannot be provided because of level of assumption, the software does not predict this would have to trick the ADET into believing.

ARCHI/EDDY Package

1. On Page 3, there is a sample points table showing SEL for existing and proposed. Make all noise values to the tenth of a dB by rounding so it is easier for people to compare. This goes for all other similar tables of noise values throughout.
2. Add a column that shows the delta change (+/-) in tenths.
3. All noise values throughout should be shown to a tenth of a dB.
4. For the sample points, please include any waypoints where you see a green or purple band of noise level change adjacent. For example, in the ARCHI package, you selected a sample point of AXMUL – but that looking at the SEL contour figure – that is a waypoint that doesn't show a change in noise level nearby. CEPIN, DUMBA and ARCHII would be more appropriate. It may be easier to just list all waypoints in that procedure as sample points and put the values – especially since we are talking about 6-8 total.
5. Glossary: Add definitions of VFR/MVFR/IFR/LIFR.
6. The package provides a link to noise.flysfo.com but does not say how to get to the GIS information to view in detail. Link broken.

4/26/2021

Ms. Michele Rodriguez
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Re: HMMH Review of Quarterly Noise Reports – 1st Quarter 2017 through 4th Quarter 2020 (16 Total)

Dear Ms. Rodriguez,

Per your request, as the SFO Airport/Community Roundtable (herein Roundtable) technical consultant, HMMH reviewed the quarterly noise reports provided by San Francisco International Airport (SFO) Aircraft Noise Abatement Office (ANAO) to the County of San Mateo prior to submittal to the California Department of Transportation (Caltrans) Division of Aeronautics.

HMMH's review of each quarterly noise report focused on compliance with the requirements set forth in the California Code of Regulations, Title 21¹ (herein Title 21). Title 21 requires "noise problem" airports to submit noise reports to Caltrans within 75 days after the end of each calendar quarter. Each report must contain at least the following information:

- A) A map illustrating the location of the noise impact boundary, as validated by measurement, and the location of measurements points, in the four preceding calendar quarters;
- B) The annual noise impact area as obtained from the preceding four calendar quarterly reports, an estimate of the number of dwelling units, and the number of people residing therein;
- C) The daily CNEL measurement, together with identification of the date on which each measurement was made, number of total aircraft operations during the calendar quarter, estimated number of operations of the highest noise level aircraft type (as defined in the 14th Code of Federal Regulations, Part 1, for the certification of airmen) in the calendar quarter, and any other data pertinent to the activity. The Hourly Noise Level (HNL) data shall be retained for at least 3 years and made available to the department upon request.
- D) The quarterly report shall include use of a standard information format provided by the department (for DOA 617, dated 10/89). The standard form provides a listing for certain summary information including size of noise impact area and the aircraft operational data specified in paragraph (c) above.

The 1st quarter 2017 through 4th quarter 2020 (total of 16) noise reports prepared by SFO's ANAO were submitted to the County of San Mateo at the end of March 2021 and therefore not in time to submit within the 75 day requirement. After review of the quarterly noise reports, HMMH confirms that all information required by Section 5012 of Title 21 are included in each quarterly noise report.

¹ California Code of Regulations, Title 21 - Public Works, Division 2.5 - Division of Aeronautics, Chapter 6 -Noise Standards, Article 1 - General, Section 5012 - Airport Noise Standard.

Moving forward and starting 1st quarter 2021, the quarterly noise reports prepared by SFO's ANAO should be submitted to the County of San Mateo within 45 days after the end of each calendar quarter to ensure that the County of San Mateo has time to review, address any concerns, and submit to Caltrans within 75 days as required. SFO ANAO must deliver the 1st quarter 2021 noise report to the County of San Mateo by May 15, 2021. Upon completion of the County audit ensuring that the data were produced in accordance with the noise monitoring system plan, the County of San Mateo will submit the 1st quarter noise report of 2021 to the following by June 14, 2021.

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Sincerely yours,
Harris Miller Miller & Hanson Inc.



Justin W. Cook – INCE, LEED GA
Director of Emerging Technologies and IT

cc: Gene M. Reindel, Vice President
enclosures: