



NIITE/HUSSH Departure Procedure

Briefing for SFO Roundtable



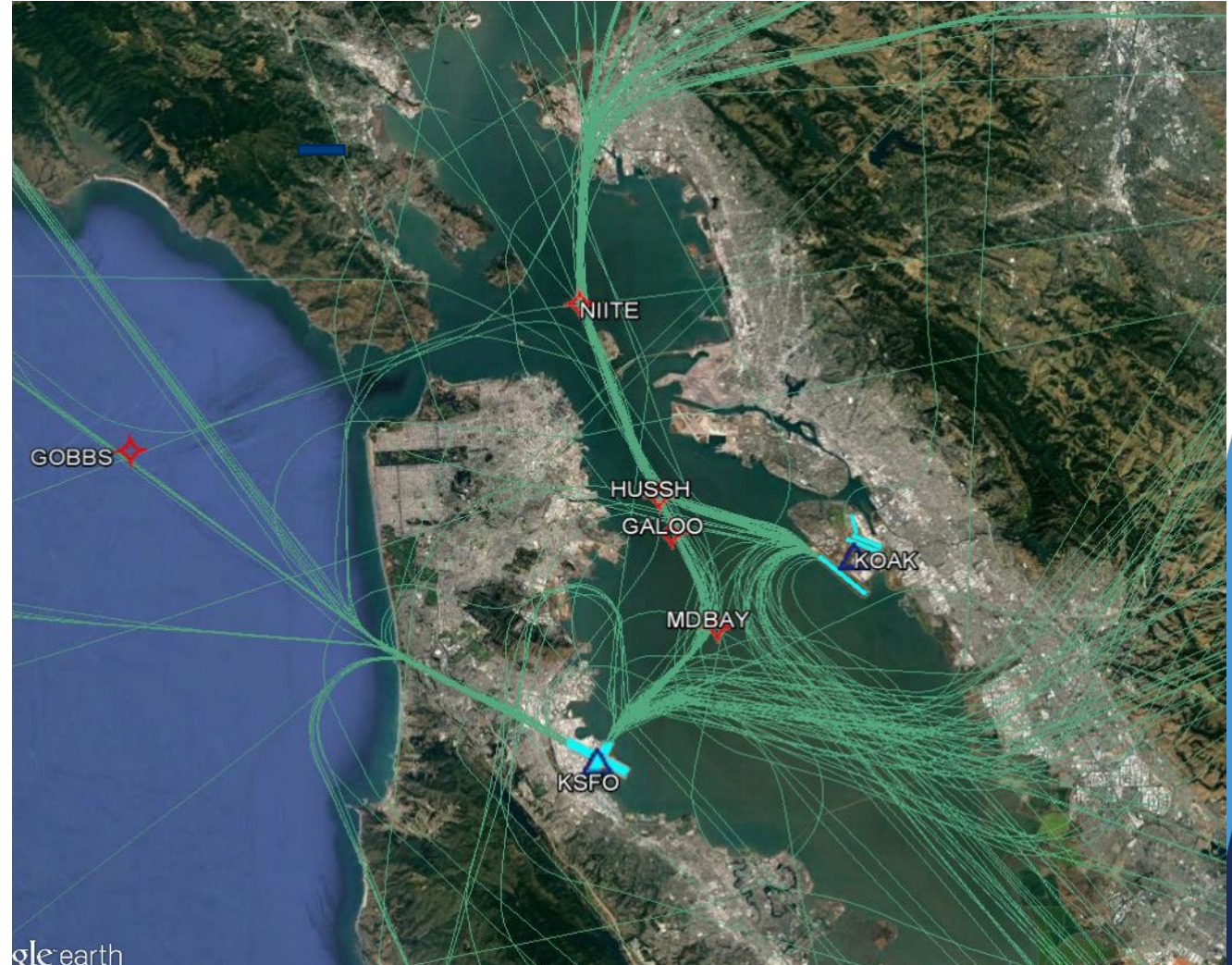
**Federal Aviation
Administration**

February 2, 2022

NIITE/HUSSH Overview

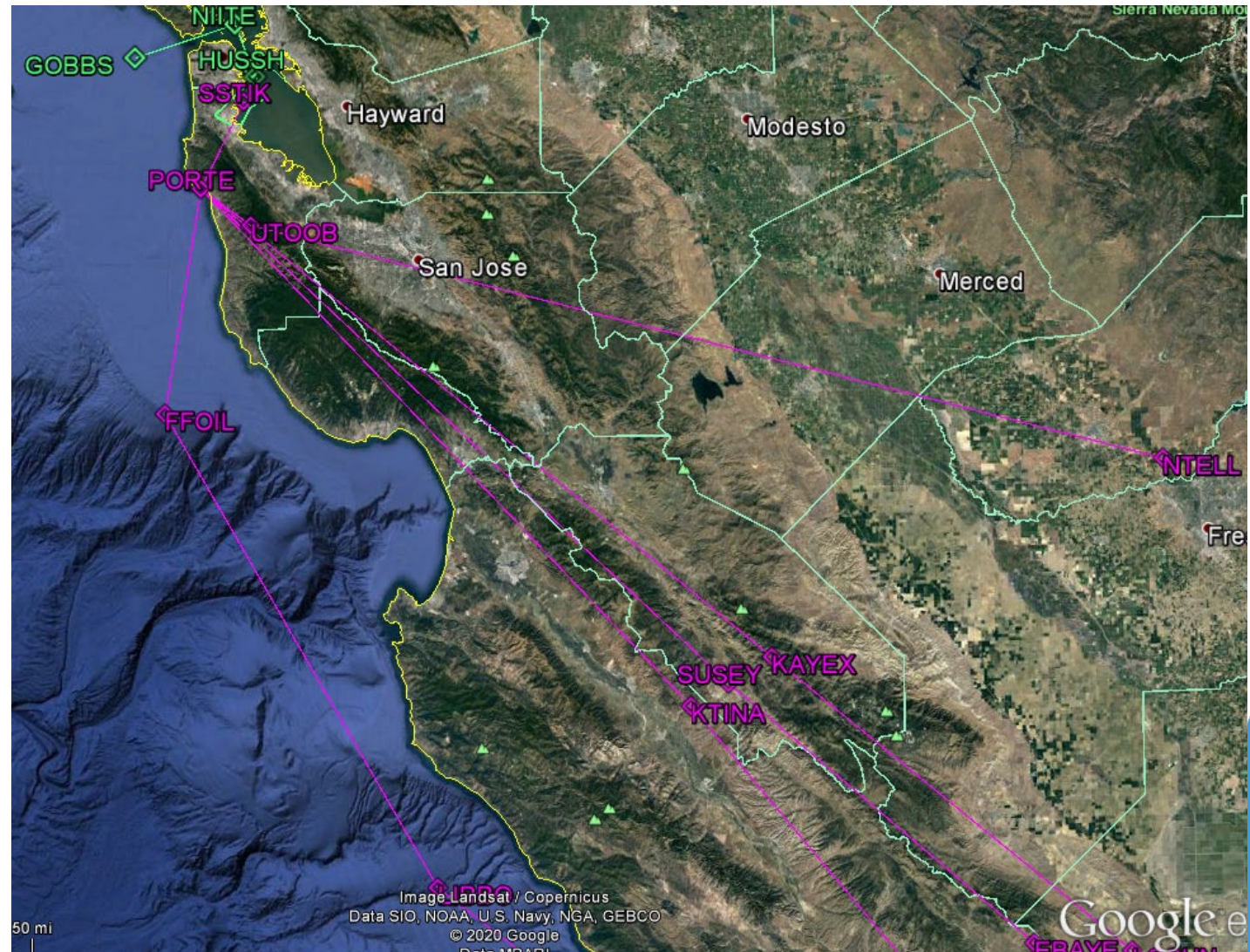
- The FAA first briefed the ability to implement the 1-5 am timeframe in response to a Select Committee recommendation.
- Through collaboration with SFO/OAK airports, the airlines, and NorCal TRACON, the FAA determined that combining the southern departures from SFO and OAK into one stream was possible, but it might shift noise to another community and would require extra flying miles.
- Operational ATC analysis showed the maximum number of aircraft ATC can safely guide over SFO Bay on a single route (NIITE/HUSSH centerline) is 30 per hour, thus restricting the useable hours to 1-5 am.

Image: All SFO & OAK departures, August 1-7, 2019, 1-5 am.



NIITE/HUSSH after GOBBS

- The FAA met with OAK and the airlines on July 8, 2021, following SFORT request to fly out to GOBBS.
- Per ATC requirements on the transition from NIITE to GOBBS, ATC will allow aircraft to turn to rejoin the flight route once they are over GOBBS by proceeding to waypoints to the south and southeast (e.g., NTELL, KAYEX, SUSEY, KTINA, and LIBBO).
- Aircraft will cross the shoreline at or above 13,000 feet under normal circumstances.



Conclusion

- NIITE/HUSSH to GOBBS:
 - Major factors in determining the usable hours were aircraft volume and the combining of SFO and OAK departure streams.
 - NIITE/HUSSH hours are dependent upon consistent operational levels from SFO and OAK.
 - From 0100L to 0500L, the FAA can continue to operate the SFO and OAK departure routes as a single stream that will not exceed the 30 aircraft per hour capacity, absent unforeseen meteorological or other noteworthy events.

NIITE/HUSSH Options

		Hours	Waypoint	Timeline	Flight Operations
1	Current Proposal	1:00-5:00am	Fly over GOBBS	Since this option has been previously coordinated with stakeholders, the current proposal can be implemented in approximately 90 days following vote from roundtable.	Can be maintained after return to pre-pandemic flight ops.
2	New Proposal	12:30-5:45am	Fly over GOBBS	Stakeholders must come to an agreement on expanding the current timeframe, and the new proposal can be implemented approximately 6 months after FAA receives an agreement from all stakeholders.	Can not be maintained between 12:30-1:00 and 5:00-5:45 after return to pre-pandemic flight ops.
3	Alternative Proposal	TBD	Propose new flight procedure	A new procedure may not be possible. If possible, it will take approximately 24 - 36 months after FAA receives a vote from SFO Roundtable and an agreement from all stakeholders.	Uncertain if a new proposal can be maintained after return to pre-pandemic flight ops.