

memorandum

date October 19, 2019

to Roundtable Members and Interested Parties

cc

from Steve Alverson, Santa Clara/Santa Cruz Counties Airport/Community Roundtable Facilitator

subject Review of the Federal Aviation Administration (FAA) Instrument Flight Procedures (IFP) Information Gateway

The FAA’s Instrument Flight Procedures Information Gateway (“IFP Gateway”) is a website used by the FAA to distribute aircraft instrument flight procedure details (“charts”) to the general public.¹ The FAA also uses the IFP Gateway to share its IFP Production Plan, which includes details on IFPs under development or amendment along with development status and tentative publication dates. Environmental Science Associates (ESA) monitors the IFP Gateway for proposed changes to IFPs associated with Norman Y. Mineta San Jose International Airport (SJC), San Francisco International Airport (SFO), and Oakland International Airport (OAK). Changes to IFPs associated with these airports may affect communities in Santa Clara and Santa Cruz counties.

The FAA publishes IFPs according to a specific publication cycle. The most recent publication date is October 10, 2019. The following information provides details on the IFP development process and IFPs under development or amendment:

Stages of IFP Development

Development of IFPs typically follows five stages, described below. Depending on the nature of the IFP development or amendment, not all of these stages may occur.

1. **FPT (Flight Procedures Team):** This team reviews potential IFPs for feasibility and coordinates IFP development with relevant FAA lines of business and staff offices.
2. **DEV:** Procedure development.
3. **FC (Flight Check):** The FAA performs a flight inspection of the procedure.
4. **PIT (Production Integration Team):** This team prepares procedure details to support publication.

¹ https://www.faa.gov/air_traffic/flight_info/aeronav/procedures/

5. **CHARTING:** Procedures are made available to the public, typically in graphical, text, and electronic formats.

IFP Development Status Indicators

The following terms are employed by the FAA to identify the status of the IFP during the development process.

At Flight Check:	The procedure is with FAA staff responsible for flight inspection.
Awaiting Publication:	The procedure has been developed and is awaiting an upcoming publication date.
Awaiting Cancellation:	The procedure will be removed from FAA flight procedure databases on an upcoming publication date.
Complete:	Procedure development has finished.
On Hold:	Procedure development has been paused while awaiting further information.
Pending:	Detailed development of the procedure will begin in the future.
Published:	The procedure has been made publicly-available.
Terminated:	Development has terminated for the procedure.
Under Development:	The procedure is being developed by the FAA.

Key Terms

The following acronyms are employed by the FAA to describe the IFP, including some of the navigational equipment necessary to accommodate the IFP.

AMDT:	Amendment
CAT:	Category
DME:	Distance Measuring Equipment
DP:	Departure Procedure
GPS:	Global Positioning System
GLS:	Ground-Based Augmentation System (GBAS) Landing System
IAP:	Instrument Approach Procedure
ILS:	Instrument Landing System
LOC:	Localizer
LDA:	Localizer Type Directional Aid
RNAV:	Area Navigation
RNP:	Required Navigation Performance
RWY:	Runway
SA:	Special Authorization
SID:	Standard Instrument Departure
STAR:	Standard Terminal Arrival Route
TBD:	To Be Determined

IFP Status

The following tables provide status updates on IFP production for procedures serving OAK, SFO, and SJC. Information highlighted in **turquoise** has been updated since the August 24, 2019 SCSC Roundtable IFP Gateway Review.

Norman Y. Mineta San Jose International Airport				
IFP in Production Plan	Type of IFP	Status	Scheduled Publication Date	Additional Notes (If Applicable)
SAN JOSE THREE	SID	Published	8/15/2019	Of medium importance to the Roundtable, as the proposed modifications add a heading to the chart but may not change the locations of overflights.
SUNOL ONE	SID	Published	8/15/2019	This is a modification to the SUNOL NINE procedure. Of high importance to the Roundtable, as the proposed modifications may change the locations of overflights.
ROBIE FIVE	STAR	Published	8/15/2019	Of low importance to the Roundtable, as the proposed modifications are unlikely to change the locations of overflights.
ILS OR LOC RWY 30L, AMDT 26	IAP	Pending	7/16/2020	No further information available at this time.
RNAV (RNP) Z RWY 30L, AMDT 3	IAP	Pending	7/16/2020	No further information available at this time.
RNAV (RNP) Z RWY 30R, AMDT 2	IAP	Pending	7/16/2020	No further information available at this time.
RNAV (RNP) Z RWY 12L, AMDT 2B	IAP	Under Development	12/31/2020	No further information available at this time.
RNAV (RNP) Z RWY 12R, AMDT 3B	IAP	Under Development	12/31/2020	No further information available at this time.
RNAV (RNP) Z RWY 30L, AMDT 2B	IAP	Under Development	12/31/2020	No further information available at this time.
LOUPE FIVE	SID	Published	4/25/2019	Of high importance to the Roundtable, due to proposed modifications that may change the locations of overflights. This procedure was removed from the IFP Gateway in July.

San Francisco International Airport				
IFP in Production Plan	Type of IFP	Status	Scheduled/Actual Publication Date	Additional Notes (If Applicable)
SERFR FOUR	RNAV STAR	Awaiting Publication	12/5/2019	This change is of low importance to the Roundtable, as the fix locations, altitude restrictions, and airspeeds remain unchanged from SERFR THREE. Status changed as of July from "Under Development" to "Awaiting Publication". Fix name changed from NARWL to FOLET at ATC request due to a similar sounding fix name.
MODESTO NINE	STAR	Published	8/15/2019	Of low importance to the Roundtable, as the proposed modifications are unlikely to change the locations of overflights within the vicinities of Santa Clara and Santa Cruz counties.
ILS OR LOC RWY 19L, AMDT 22A	IAP	Published	6/20/2019	No further information available at this time. This procedure removed from the IFP Gateway between August-October.
AFIVA ONE	SID	Canceled	6/20/2019	No further information available at this time. . This procedure removed from the IFP Gateway between August-October.
GOLDEN GATE SEVEN	STAR	Canceled	6/20/2019	No further information available at this time. . This procedure removed from the IFP Gateway between August-October.
OFFSHORE TWO	SID	Published	4/25/2019	Of low importance to the Roundtable, as the proposed modifications are unlikely to change the locations of overflights. This procedure removed from the IFP Gateway in July.
PIRAT TWOSTAR	STAR	Published	4/25/2019	Of high importance to the Roundtable, as the proposed modifications may change aircraft altitudes. This procedure was removed from the IFP Gateway in July.
GLS OVERLAY RNAV (GPS) Z RWY 28R, AMDT, AMDT 6	GLS IAP	Pending	4/22/2020	No further information available at this time. Scheduled/Actual publication date changed from 3/26/2019.
GLS OVERLAY RNAV (GPS) RWY 19L, AMDT 3	GLS IAP	Pending	4/22/2020	No further information available at this time. Scheduled/Actual publication date changed from 3/26/2019.
GLS OVERLAY RNAV (GPS) RWY 19R, AMDT 2	GLS IAP	Pending	4/22/2020	No further information available at this time. Scheduled/Actual publication date changed from 3/26/2019.
GLS OVERLAY RNAV (GPS) RWY 28L, AMDT 6	GLS IAP	Pending	4/22/2020	No further information available at this time. Scheduled/Actual publication date changed from 3/26/2019.
POINT REYES THREE	STAR	Pending	12/31/2020	No further information available at this time.
STINS FOUR	STAR	Pending	12/31/2020	No further information available at this time.

Oakland International Airport				
IFP in Production Plan	Type of IFP	Status	Scheduled Publication Date	Additional Notes (If Applicable)
OAKLAND FOUR	SID	Published	8/15/2019	Of low importance to the Roundtable, as the proposed modifications are unlikely to change the locations of overflights.
SKYLINE ONE	SID	Published	8/15/2019	Of low importance to the Roundtable, as the proposed modifications are unlikely to change the locations of overflights.
PANOCHÉ SIX	STAR	Published	8/15/2019	Of low importance to the Roundtable, as the proposed modifications are unlikely to change the locations of overflights.
ILS OR LOC RWY 12, AMDT 9	IAP	Pending	5/21/2020	No further information available at this time.
RNAV (GPS) Y RWY 12, AMDT 4	IAP	Pending	5/21/2020	No further information available at this time.
SILENT TWO	SID	Pending	5/21/2020	No further information available at this time.
AANET TWO	RNAV STAR	Pending	5/21/2020	No further information available at this time.
WNDSR THREE	RNAV STAR	Pending	5/21/2020	No further information available at this time.
ILS RWY 12 (SA CAT I), AMDT 8B	IAP	Under Development	3/26/2020	No further information available at this time.
OAKLAND FIVE	SID	Awaiting Publication (NFDC)	1/30/2020	No further information available at this time.
QUAKE ONE	SID	At Flight Check	1/30/2020	No further information available at this time.
SUNNE ONE	SID	At Flight Check	1/30/2020	Of high importance to the Roundtable due to concerns about a possible increase nighttime overflights.
CALSTATE VISUAL RWY, AMDT 30	IAP	Pending	1/30/2020	No further information available at this time. This procedure has been removed from the IFP Gateway.