

# memorandum

date April 24, 2019

to Roundtable Members and Interested Parties

cc

from Steve Alverson, Santa Cruz/Santa Clara 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.<sup>1</sup> 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 next publication date is April 25, 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.

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<sup>1</sup> [https://www.faa.gov/air\\_traffic/flight\\_info/aeronav/procedures/](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.

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

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

**IFP Status**

The following tables provide status updates on IFP production for procedures serving OAK, SFO, and SJC.

<b>Norman Y. Mineta San Jose International Airport</b>				
<b>IFP in Production Plan</b>	<b>Type of IFP</b>	<b>Status</b>	<b>Scheduled Publication Date</b>	<b>Additional Notes (If Applicable)</b>
SAN JOSE THREE	SID	Awaiting Publication	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	Awaiting Publication	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	Awaiting Publication	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.
LOUPE FIVE	SID	Awaiting Publication	4/25/2019	Of high importance to the Roundtable, due to proposed modifications that may change the locations of overflights.

<b>San Francisco International Airport</b>				
<b>IFP in Production Plan</b>	<b>Type of IFP</b>	<b>Status</b>	<b>Scheduled/Actual Publication Date</b>	<b>Additional Notes (If Applicable)</b>
SERFR FOUR	RNAV STAR	Pending	12/5/2019	No further information available at this time.
MODESTO NINE	STAR	Awaiting Publication	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.
IRS OR LOC RWY 19L, AMDT 22A	IAP	Awaiting Publication	6/20/2019	No further information available at this time.
AFIVA ONE	SID	Awaiting Cancellation	6/20/2019	No further information available at this time.

San Francisco International Airport				
IFP in Production Plan	Type of IFP	Status	Scheduled/Actual Publication Date	Additional Notes (If Applicable)
GOLDEN GATE SEVEN	STAR	Awaiting Cancellation	6/20/2019	No further information available at this time.
OFFSHORE TWO	SID	Awaiting Publication	4/25/2019	Of low importance to the Roundtable, as the proposed modifications are unlikely to change the locations of overflights.
PIRAT TWO	STAR	Awaiting Publication	4/25/2019	Of medium importance to the Roundtable, as the proposed modifications may change aircraft altitudes.
GLS OVERLAY LDA/DME RWY 28R, AMDT 2B	GLS IAP	Pending	3/26/2020	No further information available at this time.
GLS OVERLAY RNAV (GPS) RWY 19L, AMDT 3	GLS IAP	Pending	3/26/2020	No further information available at this time.
GLS OVERLAY RNAV (GPS) RWY 19R, AMDT 2	GLS IAP	Pending	3/26/2020	No further information available at this time.
GLS OVERLAY RNAV (GPS) RWY 28L, AMDT 6	GLS IAP	Pending	3/26/2020	No further information available at this time.
GLS OVERLAY RNAV (GPS) Z RWY 28R, AMDT 6	GLS IAP	Pending	3/26/2020	No further information available at this time.
ILS OR LOC RWY 28L, AMDT 27B	IAP	Published	2/28/2019	No further information available at this time.
PIRAT ONE	STAR	Published	12/31/2020	No further information available at this time.
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)
ILS RWY 12 (SA CAT I), AMDT 8B	IAP	Pending	1/2/2020	No further information available at this time.
CALSTATE VISUAL RWY, AMDT 30	IAP	Pending	12/5/2019	No further information available at this time.
ILS OR LOC RWY 12, AMDT 9	IAP	Pending	12/5/2019	No further information available at this time.
RNAV (GPS) Y RWY 12, AMDT 4	IAP	Pending	12/5/2019	No further information available at this time.
AANET TWO	RNAV STAR	Pending	12/5/2019	No further information available at this time.

<b>Oakland International Airport</b>				
<b>IFP in Production Plan</b>	<b>Type of IFP</b>	<b>Status</b>	<b>Scheduled Publication Date</b>	<b>Additional Notes (If Applicable)</b>
WNDSR THREE	RNAV STAR	Pending	12/5/2019	No further information available at this time.
OAKLAND FOUR	SID	Awaiting Publication	8/15/2019	Of low importance to the Roundtable, as the proposed modifications are unlikely to change the locations of overflights.
SKYLINE ONE	SID	Awaiting Publication	8/15/2019	Of low importance to the Roundtable, as the proposed modifications are unlikely to change the locations of overflights.
PANOCHÉ SIX	STAR	Awaiting Publication	8/15/2019	Of low importance to the Roundtable, as the proposed modifications are unlikely to change the locations of overflights.
SILENT TWO	SID	Pending	5/21/2020	No further information available at this time.
OAKLAND FIVE	SID	Pending	1/30/2020	No further information available at this time.
QUAKE ONE	SID	Pending	1/30/2020	No further information available at this time.
TBD ONE	SID	Pending	1/30/2020	No further information available at this time.