

# memorandum

date January 22, 2020

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.<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 most recent publication date is December 5, 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.

---

<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. Information highlighted in **turquoise** has been updated since the December 19, 2019 SCSC Roundtable IFP Gateway Review.

<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>
ILS OR LOC RWY 30L, AMDT 26	IAP	Pending	7/16/2020	No further information available at this time.
<b>RNAV (RNP) Z RWY 30L, AMDT 3</b>	<b>IAP</b>	<b>Removed</b>	<b>7/16/2020</b>	<b>This procedure has been removed from the IFP Gateway. No further information available at this time.</b>
<b>RNAV (RNP) Z RWY 30R, AMDT 2</b>	<b>IAP</b>	<b>Removed</b>	<b>7/16/2020</b>	<b>This procedure has been removed from the IFP Gateway. No further information available at this time.</b>
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.

<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	Published	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. Fix name changed from NARWL to FOLET at ATC request due to a similar sounding fix name.
GLS OVERLAY RNAV (GPS) RWY 19L, AMDT 3	GLS IAP	Pending	4/22/2021	No further information available at this time.
GLS OVERLAY RNAV (GPS) RWY 19R, AMDT 2	GLS IAP	Pending	4/22/2021	No further information available at this time.
GLS OVERLAY RNAV (GPS) Z RWY 28R, AMDT, AMDT 6	GLS IAP	Pending	4/22/2021	No further information available at this time.
GLS OVERLAY RNAV (GPS) RWY 28L, AMDT 6	GLS IAP	Pending	4/22/2021	No further information available at this time.
<b>ILS PRM RWY 28L, AMDT 3A</b>	<b>IAP</b>	<b>Awaiting Cancellation</b>	<b>08/12/2021</b>	<b>No further information available at this time.</b>

## San Francisco International Airport

IFP in Production Plan	Type of IFP	Status	Scheduled/Actual Publication Date	Additional Notes (If Applicable)
LDA PRM RWY 28R, AMDT 2B	IAP	Awaiting Cancellation	08/12/2021	No further information available at this time.
RNAV (GPS) PRM RWY 28L, AMDT 2	IAP	Awaiting Cancellation	08/12/2021	No further information available at this time.
RNAV (GPS) PRM X RWY 28R, AMDT 1B	IAP	Awaiting Cancellation	08/12/2021	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)
OAKLAND FIVE	SID	Awaiting Publication	1/30/2020	No further information available at this time.
QUAKE ONE	SID	Awaiting Publication	1/30/2020	No further information available at this time.
SUNNE ONE	SID	Awaiting Publication	1/30/2020	Of high importance to the Roundtable due to concerns about a possible increase nighttime overflights.
ILS RWY 12 (SA CAT I), AMDT 8B	IAP	Awaiting Publication	3/26/2020	No further information available at this time.
SILENT TWO	SID	Awaiting Publication	5/21/2020	No further information available at this time.
ILS OR LOC RWY 12, AMDT 9	IAP	Pending	12/31/2020	No further information available at this time. Scheduled/Actual publication date changed from 7/16/2020.
RNAV (GPS) Y RWY 12, AMDT 4	IAP	Pending	12/31/2020	No further information available at this time. Scheduled/Actual publication date changed from 7/16/2020.
AANET TWO	RNAV STAR	Pending	12/31/2020	No further information available at this time. Scheduled/Actual publication date changed from 7/16/2020.
WNDSR THREE	RNAV STAR	Pending	12/31/2020	No further information available at this time. Scheduled/Actual publication date changed from 7/16/2020.