

memorandum

date May 22, 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.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 next publication date is June 20, 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.

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| 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.

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| 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 April 24, 2019 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 | 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 | Published | 4/25/2019 | Of high importance to the Roundtable, due to proposed modifications that may change the locations of overflights. |

| San Francisco International Airport | | | | |
|--|--------------------|----------------------|--|--|
| IFP in Production Plan | Type of IFP | Status | Scheduled/Actual Publication Date | Additional Notes (If Applicable) |
| SERFR FOUR | RNAV STAR | Pending | 12/5/2019 | Of high importance to the Roundtable, due to proposed modifications that may change the locations of overflights. |
| 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. |

| San Francisco International Airport | | | | |
|--|-------------|-----------------------|-----------------------------------|---|
| IFP in Production Plan | Type of IFP | Status | Scheduled/Actual Publication Date | Additional Notes (If Applicable) |
| AFIVA ONE | SID | Awaiting Cancellation | 6/20/2019 | No further information available at this time. |
| GOLDEN GATE SEVEN | STAR | Awaiting Cancellation | 6/20/2019 | No further information available at this time. |
| 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. |
| PIRAT TWO | STAR | Published | 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. |

| Oakland International Airport | | | | |
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| IFP in Production Plan | Type of IFP | Status | Scheduled Publication Date | Additional Notes (If Applicable) |
| AANET TWO | RNAV STAR | Pending | 12/5/2019 | No further information available at this time. |
| 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. |