

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.
 Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

<u>AIRPORT</u> STOCKTON METROPOLITAN	<u>AIRPORT ID</u> KSCK	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 29R	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> STOCKTON	<u>STATE</u> CA
<u>AIRPORT ELEVATION</u> 33	<u>TDZE</u> 32	<u>SUPERSEDED</u> RNAV (GPS) RWY 29R	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 02/01/2018	<u>MAG VAR</u> 14E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 20 JUNE 2019	<u>REQUIRED EFFECTIVE DATE</u> 06/20/2019	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2010

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 204/30 CW 024/30	NOPT	204/10 CW 024/10		6000
2. 204/10 CW 024/10		OXJEF	IF/IAF	2000
3. 024/30 CW 114/30		024/8 CW 114/8		6600
4. 024/8 CW 114/8		FASIT	IAF	3000
5. 114/30 CW 204/30		114/8 CW 204/8		5300
6. 114/8 CW 204/8		AXING	IAF	3000

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
FASIT	IAF	OXJEF	NOPT	TF	FB	1.00	023.65	7.80	2000
AXING	IAF	OXJEF	NOPT	TF	FB	1.00	203.77	7.80	2000
OXJEF	IF/IAF	IPDEW		TF	FB	1.00	293.71	6.04	1800
IPDEW	FAF	WIGBI/1.36 NM TO RW29R		TF	FB	0.30	293.65	4.08	
WIGBI/1.36 NM TO RW29R		RW29R	MAP	TF	FO	0.30	293.65	1.36	
RW29R	MAP	232 MSL		CA			293.65		
232 MSL		HAXEK		DF	FO	1.00			2700



MISSED APPROACH

MAP:
LPV: DA
LNAV/VNAV: DA
LNAV: RW29R

MISSED APPROACH INSTRUCTIONS:
CLIMB TO 2700 DIRECT HAXEK AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF (IAF)					
2.	HOLD SE OXJEF, RT, 293.71 INBOUND, 2000 FT. IN LIEU OF PT (IAF), MAX 6000.								
3. FAC:	293.65	FAF: IPDEW	DIST FAF TO MAP: 5.38	DIST FAF TO THLD: 5.38					
4. MIN ALT:	OXJEF 2000, IPDEW 1800, WIGBI/1.36 NM TO RW29R 520*								
5. DIST TO THLD FROM OM:		MM:	IM:	150 HAT:	200 HAT: 0.45	GS ANT:			
6. MIN GP INCPT:	1800	GP ALT AT FAF : IPDEW 1800			OM:		MM:		IM:
7. GP ANGLE:	3.00	34:1:	IS CLEAR	20:1:	IS CLEAR	TCH: 55.0			
8. MSA FROM:									

PBN REQUIREMENTS NOTE:

RNP APCH

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -3°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV VISIBILITY ALL CATS TO RVR 4500.
CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.

ADDITIONAL FLIGHT DATA:

*LNAV ONLY
CHART CIRCLING ICON.
WAAS CHANNEL #87010
REFERENCE PATH ID: W29A
CHART FAS OBST: 170 GENERAL UTILITY 375249N/1211153W.
255 AAO 375017N/1210749W.
HOLD NW, RT, 113.46 INBOUND
LTP HAE: -21.8 M



MINIMUMS:
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ STANDARD

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LPV DA**	232	2400	200	232	2400	200	232	2400	200	232	2400	200			
LNAV/VNAV DA	320	2400	288	320	2400	288	320	2400	288	320	2400	288			
LNAV MDA	420	2400	388	420	2400	388	420	3500	388	420	3500	388			
CIRCLING	500	1	467	540	1	507	640	1 3/4	607	640	2	607			

CHANGES - REASONS

1. ADDED TAA TO AXING, FASIT, AND OXJEF - FPT/ATC REQUEST.
2. DELETED FEEDERS "MOD VOR/DME TO OXJEF" AND "WRAPS TO OXJEF" AND ASSOCIATED NOTES - ADDED TAA.
3. CHANGED "OXJEF TO IPDEW" DIST FROM 6.00 TO 6.04 - MOVED FAF NW 98 FT.
4. CHANGED "IPDEW TO RW29R" TO "IPDEW TO WIGBI" AND DIST FROM 5.38 TO 4.08 - ADDED A STEPDOWN.
5. ADDED WIGBI TO RW29R - ADDED A STEPDOWN.
6. CHANGED DIST FAF TO MAP/THLD BOTH FROM 5.39 TO 5.38 - MOVED FAF NW 98 FT.
7. CHANGED TCH FROM 50 TO 55 - MATCH ILS OR LOC RWY 29R DESIGN TCH.
8. ADDED "20:1 IS CLEAR" - IAW 8260.19H 8-6-7.G.(3).
9. CHANGED FAS OBST FROM "FAS OBST: 250 AAO 375047N1210822W" TO "CHART FAS OBST: 170 GENERAL UTILITY 375249N/1211153W" - ADDED A STEPDOWN.
10. DELETED "DISTANCE TO THLD FROM 200 HAT: 0.47NM" FROM ADDITIONAL FLIGHT DATA AND ADDED "200 HAT: 0.45NM TO LINE 5 - NEW TCH; IAW 8260.19H 8-6-7.E.(3)
11. DELETED "CHART VDP AT 1.29 NM TO RW29R" AND "**LNAV ONLY" - VPD IS LESS THAN 0.5NM AFTER STEPDOWN FIX.
12. CHANGED LNAV/VNAV DA/HAT FROM 282/250 TO 320/288 - NEW CONTROLLING OBSTACLE.
13. CHANGED LNAV MDA/HAT FROM 500/468 TO 420/388 - ADDED STEPDOWN.
14. CHANGED CHART NOTE "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -4C (25F) OR ABOVE 54C (130F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -3°C OR ABOVE 54°C" - BASED ON 5 YEAR AVERAGE (2013-17)
15. ADDED "RNP APCH" TO PBN EQUIPMENT REQUIREMENTS NOTES AND DELETED "DME/DME RNP-0.3 NA" FROM NOTES - IAW 8260.19H PARA 8-6-8.B.(1) AND IMPLEMENTATION OF FAA ORDER 8260.19H FLIGHT PROCEDURES AND AIRSPACE MEMO, DATED 9/12/2017 PARA. F.
16. CHANGED INOP ALS NOTE FROM "FOR INOPERATIVE ALS, INCREASE LNAV/VNAV VISIBILITY ALL CATS TO RVR 4000, AND LNAV CAT C/D VISIBILITY TO 1 3/8 SM" TO "FOR INOPERATIVE ALS, INCREASE LNAV/VNAV VISIBILITY ALL CATS TO RVR 4500" - NEW LNAV/VNAV DA; LNAV INOP INCREASE IS STANDARD.
17. CHANGED LNAV CAT C/D VISIBILITY FROM RVR 5000 TO RVR 3500 - PER VIS CHECK TOOL.
18. CHANGED THE CRC REMAINDER FROM 03621CC3 TO DF86D281 - NEW AIRPORT DATA.

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZOA, NORCAL APP CON, SCK ATCT, ARPT MGR

FLIGHT CHECKED BY
PENDING

Digitally signed by
DONALD H LANIER
Mar 12, 2019

DEVELOPED BY
JACOB MAXFIELD

Digitally signed by
DONALD H LANIER
Mar 12, 2019

APPROVED BY
PATRICK MULQUEEN

Digitally signed by
DONALD H LANIER
Mar 12, 2019

OFFICE
FICO

OFFICE
AJV-A431

OFFICE
AJV-A430

DATE

DATE
12/14/2018

DATE

QUALITY
10
CHECKED
TITLE
MANAGER

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSCK
RUNWAY	RW29R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W29A
LTP/FTP LATITUDE	375310.2475N
LTP/FTP LONGITUDE	1211327.7980W
LTP/FTP ELLIPSOIDAL HEIGHT	-00218
FPAP LATITUDE	375408.4315N
FPAP LONGITUDE	1211503.2010W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	DF86D281

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00098
FPAP ORTHOMETRIC HEIGHT	+00098

