

**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 ID</u> KSQI	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 25	<u>ORIGINAL/AMENDMENT</u> 1A	<u>CITY</u> STERLING/ROCKFALLS	<u>STATE</u> IL		
<u>AIRPORT ELEVATION</u> 648	<u>TDZE</u> 647	<u>SUPERSEDED</u> RNAV (GPS) RWY 25	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 07/19/2018	<u>MAG VAR</u> 2W	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 30 NOVEMBER 2023	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
TRIDE		TEVUE		TF	FB	1.00	333.50	14.94	2500
VOSUY	IAF	HELEG	NOPT	TF	FB	1.00	162.28	8.00	2500
TEVUE	IAF	HELEG	NOPT	TF	FB	1.00	342.36	8.00	2500
HELEG	IF/IAF	FOVON		TF	FB	1.00	252.32	6.01	2500
FOVON	FAF	COVKA/2.10 NM TO RW25		TF	FB	0.30	252.24	3.55	
COVKA/2.10 NM TO RW25		RW25	MAP	TF	FO	0.30	252.24	2.10	
RW25	MAP	847 MSL		CA			252.24		
847 MSL		KEBEY		DF	FO	1.00			2700

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW25

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2700 DIRECT KEBEY AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



CHANGES - REASONS

1. REMOVED FEEDER FROM PLL VOR/DME. - PLL VOR/DME DECOMMISSIONING.
2. DECREASED LNAV/VNAV ALL CATS VISIBILITY FROM 7/8 TO 5/8. - UPDATED IAW 8260.3E TABLE 3-3-1.
3. INCREASED LNAV MDA/HAT FROM 1040/393 TO 1100/453; VISIBILITY CAT C AND D FROM 5/8 TO 7/8. - NEW LNAV STEPDOWN CONTROLLING OBSTACLE.
3. UPDATED FEEDER TRIDE TO TEVUE RNP FROM 2.00 TO 1.00. - 8260.58B TABLE 1-2-1; WITHIN 30NM OF ARP.
4. LINE 2: ADDED MAX ALTITUDE 6000. - UPDATED FORMS.
5. LINE 4: REMOVED *, AND *LNAV ONLY FROM ADDITIONAL FLIGHT DATA. - NO LONGER REQUIRED.
6. LINE 5: ADDED DISTANCE TO THLD FROM 200 HAT: 0.46. REMOVED "DISTANCE TO THLD FROM 200 HAT: 0.46 NM" FROM ADDITIONAL FLIGHT DATA. - FORMS UPDATED.
7. LINE 7: ADDED 20:1 IS CLEAR. - NO 20:1 PENETRATIONS EXIST.
8. LINE 8: UPDATED MSA FROM "RW25 2500" TO "RW25 2600." - NEW CONTROLLING OBSTACLE; TO REMOVE NOTAM FDC 3/5227.
9. UPDATED CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F) UPDATED TO -16F TO 54C. - FAHRENHEIT REMOVED IAW 8260.19H.
10. REMOVED CHART NOTE: DME/DME RNP-0.3 NA; ADDED PBN REQUIREMENTS NOTE: RNP APCH - GPS. - IAW 8260.58B TABLE 1-2-1.
11. REMOVED CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON PLL VOR/DME AIRWAY RADIALS 085 CW 180. - FEEDER REMOVED.
12. UPDATED ADDITIONAL FLIGHT DATA: CHART FAS OBST FROM "779 TREE 414525N/0893826W" TO "790 TRANSMISSION_LINE (17-067957) 414539N/0893707W." - LNAV STEPDOWN NEW CONTROLLING OBSTACLE.
13. UPDATED ADDITIONAL FLIGHT DATA: FROM CHART VDP AT 1.06 NM TO RW25 TO 1.25 NM TO RW25. - UPDATED EVALUATION.
14. REMOVED CHART NOTE: CIRCLING RWY 36 NA AT NIGHT. - NO 20:1 PENETRATIONS EXIST ON RWY 36.
15. CHANGED CHART PLANVIEW NOTE FROM: "PROCEDURE NA FOR ARRIVALS AT TRIDE ON V8-38 NORTHEAST BOUND" TO: "PROCEDURE NA FOR ARRIVALS AT TRIDE ON V8-38 EASTBOUND" - TURNS CRITERIA REQUIREMENTS/TURNS NOT EXCEEDING 90 DEGREES.
16. ADDED "NA WHEN LOCAL WEATHER NOT AVAILABLE" TO ALTERNATE MINIMUMS - CURRENT CRITERIA REQUIREMENTS.

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZAU, RFD APP CON, AMGR

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

OFFICE Digitally signed by **DATE**

DAVID TEFFETELLER

Aug 03, 2023

DEVELOPED BY

CASIMIR L. TABAKA (BARBARA GORMAN)

Digitally signed by

OFFICE **DATE**

DAVID TEFFETELLER

AJV-A432

04/06/2023

Digitally signed by

APPROVED BY

CASIMIR TABAKA

DAVID TEFFETELLER

Aug 03, 2023

OFFICE **DATE**

AJV-A430

TITLE
MANAGER

Aug 03, 2023



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSQI
RUNWAY	RW25
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W25A
LTP/FTP LATITUDE	414442.8335N
LTP/FTP LONGITUDE	0893944.3440W
LTP/FTP ELLIPSOIDAL HEIGHT	+01642
FPAP LATITUDE	414412.5645N
FPAP LONGITUDE	0894136.2920W
THRESHOLD CROSSING HEIGHT (TCH)	00053.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0768
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	016501DA

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01973
FPAP ORTHOMETRIC HEIGHT	+01973

