

FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
ILS STANDARD INSTRUMENT APPROACH PROCEDURE  
TITLE 14 CFR PART 97.29

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> ILS OR LOC RWY 25	<u>ORIGINAL/AMENDMENT</u> 12	<u>CITY</u> STERLING/ROCKFALLS	<u>STATE</u> IL		
<u>AIRPORT ELEVATION</u> 648	<u>TDZE</u> 647	<u>SUPERSEDED</u> ILS OR LOC RWY 25	<u>ORIGINAL/AMENDMENT</u> 11	<u>DATED</u> 07/19/2018	<u>MAG VAR</u> 2W	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> I-SQI	<u>COORDINATES OF FACILITIES</u> 414417.67N / 0894117.37W	<u>ACTUAL EFFECTIVE DATE</u> 7 OCTOBER 2021	<u>REQUIRED EFFECTIVE DATE</u> 10/07/2021	<u>CANCEL/SUSPEND</u>		

**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>
ZADAK/15.89 DME/RADAR	IAF	REVCO/11.89 DME					252.15	4.00 (I-SQI)	2700
REVCO/11.89 DME	IF	FOVON/6.89 DME					252.15	5.00 (I-SQI)	2500

**MISSED APPROACH**

**MAP:**

ILS: DA  
LOC: 5.65 NM AFTER FOVON/I-SQI 6.89 DME OR AT 1.24 DME

**MISSED APPROACH INSTRUCTIONS:**

CLIMBING RIGHT TURN 3000 ON CVA VORTAC R-069 TO VOSUY/CVA 47.12 DME AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

- PT      SIDE OF COURSE      OUTBOUND      FT WITHIN      MILES OF      (IAF)
- PROFILE STARTS AT ZADAK
- FAC: 252.15      FAF: FOVON/6.89 DME      DIST FAF TO MAP:      DIST FAF TO THLD: 5.65
- MIN ALT:      ZADAK/15.89 DME/RADAR 2700, REVCO/11.89 DME 2700, FOVON/6.89 DME 2500, COVKA/3.34 DME 1320
- DIST TO THLD FROM FAF: 5.65      MM:      IM:      150 HAT:      GS ANT: 1027
- MIN GS INCPT: 2500      GS ALT AT FAF :      FOVON/6.89 DME 2500      OM:      MM:      IM:
- GP ANGLE: 3.00      34:1:      20:1:      TCH: 53.8
- MSA FROM:      ARP KSQI 2500

**EQUIPMENT REQUIREMENTS NOTES:**

DME REQUIRED.  
RADAR REQUIRED FOR PROCEDURE ENTRY.



**NOTES:**

**ADDITIONAL FLIGHT DATA:**

HOLD E, RT, 248.80 INBOUND.  
CHART FAS OBST: 790 TRANSMISSION\_LINE (17-067957) 414539N/0893707W.  
CHART 860 TOWER 414533N/0893638W.  
CHART VDP AT 2.49 DME  
DISTANCE VDP TO THLD 1.25 NM.  
CHART CIRCLING ICON.

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

**ALTERNATE:** NA ☒

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
S-ILS 25	847	1/2	200	847	1/2	200	847	1/2	200	847	1/2	200			
S-LOC 25	1100	1/2	453	1100	1/2	453	1100	7/8	453	1100	7/8	453			
CIRCLING	1140	1	492	1140	1	492	1160	1 1/2	512	1480	2 3/4	832			



CHANGES - REASONS

1. REMOVED PLL VOR/DME CROSSING RADIALS DEFINING CROSSING RADIALS FOR REVCO, FOVON, AND STEPDOWN FIX (COVKA) - FIXES WILL BE DME ONLY DUE TO VOR MON DECOMMISSIONING OF PLL VOR/DME.
2. REMOVED RFD VORTAC USED TO DEFINE FIX USED AS IAF (DAYVL) AND ROUTE TO REVCO - RFD VORTAC DECOMMISSIONING DUE TO VOR MON.
3. CHANGED IAF MAKEUP FROM DAYVL (RFD R-197/9.45 NM) TO ZADAK (I-SQI 252.15/15.89 NM) - ATC DESIGNATED NEW IAF.
4. CHANGED IAF FIX/COURSE FROM DAVYL/RFD R-197 TO ZADAK/I-SQI 252 COURSE - RFD VOR/DME DECOMMISSIONED AND NEW FIX LOCATION PER FPT CHECKLIST.
5. CHANGED IF (REVCO INT) DME FROM 14.76 NM TO 11.89 NM - FIX MOVED PER FPT CHECKLIST.
6. REVCO (IF) TO FOVON (PFAF): SHORTENED INTERMEDIATE SEGMENT LENGTH FROM 7.86 NM TO 5.00 NM - NEW IF LOCATION PER FPT CHECKLIST.
7. CHANGED PROFILE START FIX FROM REVCO TO ZADAK - IAW 8260.19, SECTION 8-6-7, "IF REQUIRED FOR CLARITY, THE PROFILE VIEW MAY BE EXTENDED TO DEPICT ANY FIX OUTSIDE THE IF PROVIDED THE INTERMEDIATE FIX AND PRECEDING FIXES ARE LOCATED ON THE FINAL APPROACH COURSE EXTENDED."
8. ADDED ZADAK IAF TO MIN ALTITUDES IN LINE 4 - IAW 8260.19I, PARA 8-6-7 D.
9. DELETED FAF TO MAP DISTANCE - NOT NEEDED IAW 8260.19, SECTION 8-6.
10. ADDED "DME REQUIRED" UNDER EQUIPMENT REQUIRED NOTES - IAW ORDER 8260.19I, 8-6-8.
11. ADDED "RADAR REQUIRED FOR PROCEDURE ENTRY" UNDER EQUIPMENT REQUIRED NOTES - REQUIRED IF "RADAR IS THE ONLY ACCEPTABLE METHOD FOR PROCEDURE ENTRY," IAW 8260.9, PARA 8-6-9.
12. ADDED "CHART FAS OBST: 790 TRANSMISSION\_LINE (17-067957) 414539N/0893707W" AND "CHART 860 TOWER 414533N/0893638W" TO ADDITIONAL FLIGHT DATA - DUE TO NEW CONTROLLING OBSTACLES BETWEEN SDF AND THE RUNWAY; IAW 8260.19. SECTION 8-6-10, NON-PRECISION APPROACH CONTROLLING OBSTACLE IN PRIMARY/SECONDARY FAS AREAS MUST BE DOCUMENTED.
13. DECREASED S-LOC 25 ALL CATS MDA/HAT FROM 1120/473 TO 1100/453 - NEW CONTROLLING OBSTACLE REDUCED MINIMUMS.
14. DECREASED S-LOC 25 CATS C/D VISIBILITY FROM 1 SM TO 7/8 SM - DUE TO LOWER MDA/HAT AND IAW 8260.3D, TABLE 3-3-1.
15. UPDATED CHART VDP AND DISTANCE VDP TO THRESHOLD FROM 2.55 DME/1.31 NM TO 2.49 DME/1.25 NM - DUE TO LOWER MDA/HAT CALCULATED.
16. ADDED DIST TO THLD FROM FAF DISTANCE - IAW 8260.19, SECTION 8-6.
17. UPDATED MAP INSTRUCTION FROM "CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 2700 DIRECT PLL VOR/DME AND HOLD" TO "CLIMBING RIGHT TURN TO 3000 ON CVA VOR/DME R-069 TO VOSUY/47.12 DME AND HOLD" - NEW MAP FIX PER FPT CHECKLIST.
18. CHANGED MSA CENTERPOINT FROM PLL VORTAC TO KSQI ARP AND LOWERED MSA ALTITUDE FROM 2600 TO 2500 FEET - PLL VORTAC DECOMMISSIONED AND NO OMNI DIRECTIONAL FACILITIES WITHING 30NM IAW 8260.3D, 2-3-2 B (1).
19. DELETED SECOND SET OF MINIMUMS FOR STEPDOWN FIX (COVKA FIX MINIMUMS (DUAL VOR RECEIVERS OR DME REQUIRED)) - PLL VOR/DME CROSSING RADIAL REMOVED AND FIX IS DME ONLY AND ALWAYS RECEIVED.
20. DELETED "CHART NOTE: CIRCLING RWY 36 NA AT NIGHT" - 20:1 CLEAR PER TARGETS' OBSTACLE EVALUATION.

8/25/21: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 5/24/21.  
CHANGED REQUIRED EFFECTIVE DATE FROM ROUTINE TO 10/07/2021.

COORDINATED WITH:

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

FLIGHT CHECKED BY

PENDING  

Digitally signed by  
DONALD H LANIER  
Aug 25, 2021

OFFICE

FICO

DATE

DEVELOPED BY

DONALD H. LANIER (PARNELL PRASSADA)  

Digitally signed by  
DONALD H LANIER

OFFICE

AJV-A431

DATE

05/24/2021

APPROVED BY

LONNIE EVERHART  

Digitally signed by  
DONALD H LANIER  
Aug 25, 2021

OFFICE

AJV-A430

DATE

TITLE  
MANAGER

