

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
LOC STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.25**

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> MINNEAPOLIS-ST PAUL INTL/WOLD- CHAMBERLAIN	<u>AIRPORT ID</u> KMSP	<u>PROCEDURE NAME</u> LOC RWY 4	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> MINNEAPOLIS	<u>STATE</u> MN
<u>AIRPORT ELEVATION</u> 842	<u>TDZE</u> 832	<u>SUPERSEDED</u> LOC RWY 4	<u>ORIGINAL/AMENDMENT</u> 1B	<u>DATED</u> 04/30/2015	<u>MAG VAR</u> 0E
<u>FACILITY</u> I-APL	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 28 FEBRUARY 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2015

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>
LYDIA INT	IAF	KETAM INT					360.00 & 045.00	5.53 (HDG) & 4.13 (I-APL)	4000
KETAM INT	IF	IGEPY INT					045.00	6.25 (I-APL)	2300

MISSED APPROACH

MAP:

4.44 NM AFTER IGEPY INT

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 3000 DIRECT GEP VORTAC AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
2. PROFILE STARTS AT KETAM
3. **FAC:** 045.00 **FAF:** IGEPY INT **DIST FAF TO MAP:** 4.44 **DIST FAF TO THLD:** 4.44
4. **MIN ALT:** KETAM INT 4000, IGEPY INT 2300
8. **MSA FROM:** GEP VORTAC 180-270 2600, 270-180 3500

EQUIPMENT REQUIREMENTS NOTES:

NOTES:

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LYDIA ON V505 SOUTHBOUND.

CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-4 CAT C/D/E VISIBILITY TO 1 3/8 SM.

ADDITIONAL FLIGHT DATA:



MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 900-2 3/4, CAT E 1000-3

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
S-04	1340	2400	508	1340	2400	508	1340	5500	508	1340	5500	508	1340	5500	508
CIRCLING	1360	1	518	1360	1	518	1460	1 3/4	618	1660	2 3/4	818	1800	3	958

CHANGES - REASONS

1. RAISED ALTITUE AT KETAM FROM 2700 FT TO 4000 FT - ATC REQUEST
2. UPDATED CIRCLING: CAT C FROM MDA/HAT 1360/518 TO 1460/618; CAT D FROM MDA/HAT 1460/618 TO MDA/HAT 1660/818; CAT E FROM MDA/HAT 1660/818 TO MDA/HAT 1800/958 - INCORPORATED P-NOTAM 5/1099
3. CHANGED CHART NOTE FROM "FOR INOP MALSR, INCREASE S-4 CAT E VISIBILITY TO 1 1/2 MILE" TO "FOR INOP ALS, INCREASE S-4 CAT C/D/E VISIBILITY TO 1 3/8 SM" - NEW INOP TABLE APPLIED
4. UPDATED ALTERNATE MINIMUMS FROM "@ CAT D 900-3" TO "@ CAT D 900-2 3/4, CAT E 1000-3" - INCORPORATED P-NOTAM 5/1099
5. CHANGED THRE 832 TO TDZE 832 - INCORPORATED P-NOTAM 5/1099
6. LOWERED MINIMUM ALTITUDE FOR MSA SECTOR 1 (180-270) FROM 2700 FT TO 2600 FT - NEW SURVEY

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZMP, MSP APP CON, MSP ATCT, AMGR

FLIGHT CHECKED BY	Digitally signed by	OFFICE	DATE	
JOHN R CLOUGH	DAVID DANNER	FICO	1/3/19	
	Jan 08, 2019			
DEVELOPED BY	Digitally signed by	OFFICE	DATE	
LONNIE EVERHART (TAYLOR GIBSON)	DAVID DANNER	AJV-5400	06/29/2018	
	Jan 08, 2019			
APPROVED BY	Digitally signed by	OFFICE	DATE	TITLE
LONNIE EVERHART	DAVID DANNER	AJV-5400		MANAGER
	Jan 08, 2019			