

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> NEW ULM MUNI	<u>AIRPORT ID</u> KULM	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 15	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>CITY</u> NEW ULM	<u>STATE</u> MN
<u>AIRPORT ELEVATION</u> 1011	<u>TDZE</u> 1011	<u>SUPERSEDED</u> RNAV (GPS) RWY 15	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 08/20/2015	<u>MAG VAR</u> 1E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 25 APRIL 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>
BEEGR		KADPE		TF	FO	1.00	255.54	15.54	3000
OSHO	IAF	KADPE	NOPT	TF	FB	1.00	096.02	7.37	3000
WIDIS	IAF	KADPE	NOPT	TF	FB	1.00	213.47	21.14	3000
KADPE	IF/IAF	WOTVO		TF	FB	1.00	149.67	6.30	2500
WOTVO	FAF	ZARMO/2.30 NM TO RW15		TF	FB	0.30	149.72	2.27	
ZARMO/2.30 NM TO RW15		RW15	MAP	TF	FO	0.30	149.72	2.30	
RW15	MAP	1261 MSL		CA			149.72		
1261 MSL		YEBUY		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW15

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT YEBUY AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD NW KADPE, RT, 149.67 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 149.72

FAF: WOTVO

DIST FAF TO MAP: 4.57

DIST FAF TO THLD: 4.57

4. MIN ALT: KADPE 3000, WOTVO 2500, ZARMO/2.30 NM TO RW15 1760*

5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

250 HAT: 0.68

GS ANT:

6. MIN GP INCPT: 2500

GP ALT AT FAF : WOTVO 2500

OM:

MM:

IM:

7. GP ANGLE: 3.00

34:1: IS CLEAR

20:1: IS CLEAR

TCH: 40.0

8. MSA FROM: RW15 3200

PBN REQUIREMENTS NOTE:

RNP APCH

NOTES:

CHART NOTE: CIRCLING NA TO RWYS 4 AND 22.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WIDIS ON V148 NORTHEAST BOUND.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART VDP AT 1.16 NM TO RW15*
*LNAV ONLY
WAAS CHANNEL #87131
REFERENCE PATH ID: W15A
CHART FAS OBST: 1131 WATER_TOWER 441933N/0942957W.
HOLD SE, RT, 329.86 INBOUND
LTP HAE: 278.3 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	1261	7/8	250	1261	7/8	250	1261	7/8	250	1261	7/8	250			
LNAV/VNAV DA	1298	1	287	1298	1	287	1298	1	287	1298	1	287			
LNAV MDA	1400	1	389	1400	1	389	1400	1 1/8	389	1400	1 1/8	389			
CIRCLING	1440	1	429	1500	1	489	1620	1 3/4	609	1620	2	609			



CHANGES - REASONS

1. DELETED CHART NOTE: DME/DME RNP-0.3 NA - IAW 8260.19H 8-6-8. B(1) PBN NAVSPEC.
2. ADDED PBN REQUIREMENTS NOTE: RNP APCH - IAW 8260.19H 8-6-8. B(1) PBN NAVSPEC.
3. DELETED CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ST JAMES ALTIMETER SETTING AND INCREASE ALL DA 55 FT AND ALL MDA 60 FT: INCREASE LNAV CATS C AND D VISIBILITY 1/8 MILE. - MOVED TO BACK OF -9 AND MADE INTO CONTINGENCY REMOTE ALTIMETER NOTE.
4. DELETED CHART NOTE: BARO-VNAV NA WHEN USING ST. JAMES ALTIMETER SETTING - MOVED TO BACK OF -9 AND MADE INTO CONTINGENCY REMOTE ALTIMETER NOTE.
5. CHANGED CHART NOTE FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C OR ABOVE 54C" - REVISED NOTE FORMAT ELIMINATES REQUIREMENTS FOR FAHRENHEIT VALUES.
6. ADDED 20:1 CLEAR TO LINE 7 - IAW 8260.19H 8-6-7.G(3) TO DOCUMENT WHETHER SURFACE IS CLEAR OR NOT.
7. MAXIMUM ALTITUDE OF "6000" ADDED TO HOLD-IN-LIEU FIX KADPE - NEW REPORTS FORMAT NOW INCLUDES MAXIMUM HOLDING ALTITUDES AT THE HOLD-IN-LIEU FIX.
8. CHANGED CIRCLING CAT B MDA/HAA AND CAT C MDA/HAA/VIS FROM CAT B "1480/469" TO "1500/489" FROM CAT C "1480/469/1 1/2 TO 1620/609/1 3/4" - IMPLEMENTED NEW CIRCLING DIMENSIONS INTO PROCEDURE.
9. ADDED CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WIDIS ON V148 NORTHEAST BOUND - TURN OVER 90 DEGREES REQUIRED.
10. CRC REMAINDER CHANGED FROM "EA2B40D4" TO "102F0E1D" - LENGTH OFFSET CHANGED FROM "1104" TO "1112", LTP/FPAP ORTHOMETRIC HEIGHT CHANGED FROM "+03061/+03064" TO "+03063".

P-NOTAMS 4/8487, 5/2781 FOR ORIGA AND ORIGB INCORPORATED INTO THIS FORM.

COORDINATED WITH:

A4A☐ALPA☒AOPA☒APA☐HAI☐NBAA☒OTHER: ZMP, AMGR

FLIGHT CHECKED BY

BROC STARRETT

Digitally signed by

DAVID TEFFETELLER

Nov 28, 2018

OFFICE

FICO

DATE

11/20/18

DEVELOPED BY

JAMES LAFFERTY

Digitally signed by

JAMES LAFFERTY

OFFICE

AJV-5433

DATE

10/09/2018

APPROVED BY

PATRICK MULQUEEN

Oct 19, 2018

Digitally signed by

DAVID TEFFETELLER

Nov 28, 2018

OFFICE

AJV-5430

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KULM
RUNWAY	RW15
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W15A
LTP/FTP LATITUDE	441926.6070N
LTP/FTP LONGITUDE	0943023.0995W
LTP/FTP ELLIPSOIDAL HEIGHT	+02783
FPAP LATITUDE	441808.8600N
FPAP LONGITUDE	0942922.4900W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1112
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	102F0E1D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03063
FPAP ORTHOMETRIC HEIGHT	+03063

