

**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</u> ROCHESTER INTL	<u>AIRPORT ID</u> KRST	<u>PROCEDURE NAME</u> ILS Z OR LOC Z RWY 31 ILS Z RWY 31 (SA CAT I), ILS Z RWY 31 (SA CAT II)	<u>ORIGINAL/AMENDMENT</u> 23A	<u>CITY</u> ROCHESTER	<u>STATE</u> MN
<u>AIRPORT ELEVATION</u> 1317	<u>TDZE</u> 1304	<u>SUPERSEDED</u> ILS Z OR LOC Z RWY 31 ILS Z RWY 31 (SA CAT I), ILS Z RWY 31 (SA CAT II)	<u>ORIGINAL/AMENDMENT</u> 23	<u>DATED</u> 01/03/2019	<u>MAG VAR</u> 1E
<u>FACILITY</u> I-RST	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 21 MAY 2020	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2005

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>
RST VOR/DME		MINGO INT	FAF/IAF				057.64	9.16	2900
YESUR/RST 13.00 DME CCW	IAF	EGACE/RST 13.00 DME	NOPT				13.00 DME ARC		3700
EGACE/RST 13.00 DME CCW		TECUY INT					13.00 DME ARC (RST LR-095)		2900
EMORE INT	IAF	TECUY INT	NOPT				311.14	6.59 (I-RST)	2900
TECUY INT	IF	MINGO INT					311.14	6.55 (I-RST)	2800

MISSED APPROACH

MAP:

ILS: DA
LOC: 4.52 NM AFTER MINGO INT

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2000 THEN CLIMBING LEFT TURN TO 3000 DIRECT RST VOR/DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD SE MINGO, RT, 311.14 INBOUND, 2800 FT. IN LIEU OF PT (IAF), MAX 5000.

3. FAC: 311.14 FAF: MINGO INT DIST FAF TO MAP: 4.52 DIST FAF TO THLD: 4.52

4. MIN ALT: MINGO INT 2800

5. DIST TO THLD FROM OM: 1032 MM: IM: 100 HAT: 836 150 HAT: 1792 GS ANT: 1129

6. MIN GS INCPT: 2800 GS ALT AT FAF : MINGO INT 2800 OM: MM: IM:

7. GP ANGLE: 3.00 34:1: 20:1: TCH: 56.1

8. MSA FROM: RST VOR/DME 090-270 3900, 270-090 3300

EQUIPMENT REQUIREMENTS NOTES:

NOTES:

SA CAT I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 31: CAT A, B, C, D RA 204, RVR 1400, HAT 150, DA 1454 MSL.
SA CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 31: CAT A, B, C, D RA 104, RVR 1200, HAT 100, DA 1404 MSL.
SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DH.
SA CAT II CHART NOTE: REDUCED LIGHTING: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN.
SA CAT I/II CHART NOTE: PROCEDURE NA WHEN TOWER CLOSED.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT RST VOR/DME ON V82-170 WESTBOUND.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 31 CAT C/D VISIBILITY TO RVR 5500.

ADDITIONAL FLIGHT DATA:

CHART RST R-086 AT TECUY.
CHART: ASR.
CHART CIRCLING ICON.
CHART RST R-168 AT YESUR.
CHART RST R-125 AT EGACE.
CHART FAS OBST: 1365 TREE 435356N/0922904W.
1510 AAO 435113N/0922325W.
HOLD SW, RT, 025.14 INBOUND

MINIMUMS:

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

ALTERNATE: NA ☐ ILS: STANDARD - NA WHEN CONTROL TOWER CLOSED.; LOC: STANDARD - NA WHEN CONTROL TOWER CLOSED.

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-ILS 31	1504	1800	200	1504	1800	200	1504	1800	200	1504	1800	200			
S-LOC 31	1620	2400	316	1620	2400	316	1620	2400	316	1620	2400	316			
CIRCLING	1720	1	403	1780	1	463	1900	1 1/2	583	1900	2	583			

QUALITY
22
CHECKED

CHANGES - REASONS

1. REMOVED ALTERNATE MISSED APPROACH INSTRUCTIONS AND ASSOCIATED INFO IN ADDITIONAL FLIGHT DATA - UKN BEING DECOMMISSIONED, ATC DOES NOT DESIRE A NEW ALTERNATE MISSED APPROACH.

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAJ** ☐ **NBAA** ☒ **OTHER:** ZMP, RST ATCT, RST APP CON, STATE AERO, APT MGR

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED

OFFICE

DATE *Digitally signed by*
JOHN BORDY
Mar 05, 2020

DEVELOPED BY

JOHN BORDY (ANTHONY CAPPABIANCO)

Digitally signed by
JOHN BORDY

OFFICE

AJV-A422

DATE
11/27/2019

APPROVED BY

MARLON ROBINSON

Digitally signed by
JOHN BORDY
Mar 05, 2020

OFFICE

AJV-A420

DATE

TITLE
MANAGER

