

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> PIA	<u>PROCEDURE NAME</u> ILS OR LOC RWY 31	<u>ORIGINAL/AMENDMENT</u> 8	<u>CITY</u> PEORIA	<u>STATE</u> IL
<u>AIRPORT ELEVATION</u> 661	<u>TDZE</u> 650	<u>SUPERSEDED</u> ILS OR LOC RWY 31	<u>ORIGINAL/AMENDMENT</u> 7E	<u>DATED</u> 11/03/2022
<u>FACILITY</u> I-PIA	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 26 DECEMBER 2024	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 2W
				<u>EPOCH YEAR</u> 2015
				<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>
PIA VORTAC		TUNGG LOM					112.04	10.15	2400
NINIC/PIA 30.65 DME	IAF	MKNTY/PIA 16.18 DME					263.86 (HDG) & 308.52 (I-PIA R-129)	3.33 & 11.93	2400
MKNTY/PIA 16.18 DME	IF	TUNGG LOM					308.52 (I-PIA)	6.10	2400

MISSED APPROACH

MAP:

ILS: DA
LOC: PIA 5.12 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1200 THEN CLIMBING LEFT TURN TO 2400 DIRECT PIA VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2400.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 1200 THEN CLIMBING LEFT TURN TO 2400 DIRECT TUNGG LOM AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2400. (ADF REQUIRED)

PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	HOLD SE TUNGG LOM, RT, 308.52 INBOUND, 2400 FT. IN LIEU OF PT (IAF), MAX 14000.					
3.	FAC:	308.52	FAF:	TUNGG LOM	DIST FAF TO MAP:	DIST FAF TO THLD: 5.19
4.	MIN ALT:	TUNGG LOM 2400				
5.	DIST TO THLD FROM OM:	5.19	MM:	IM:	150 HAT:	GS ANT: 947
6.	MIN GS INCPT:	2400	GS ALT AT PFAF:		OM:	2350
7.	GS ANGLE:	3.00	34:1:	20:1:	TCH:	54.7
8.	MSA FROM:	TUNGG LOM 2800				

QUALITY
10
CHECKED

EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.

NOTES:

CHART NOTE: *RVR 1800 AUTHORIZED WITH THE USE OF FD OR AP OR HUD TO DA. (NA WHEN USING AAA ALTIMETER SETTING).
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AAA ALTIMETER SETTING: INCREASE S-ILS 31 DA TO 939 FEET; INCREASE ALL MDAS 100 FEET AND S-LOC 31 VISIBILITY CAT C/D/E TO 1 1/4 SM AND CIRCLING VISIBILITY CAT C 1/4 SM AND CAT D 1/2 SM.
CHART NOTE: CIRCLING RWY 13, 31 NA AT NIGHT.
CHART NOTE: FOR INOPERATIVE ALS WHEN USING AAA ALTIMETER SETTING, INCREASE S-ILS 31 ALL CATS VISIBILITY TO RVR 4500, S-LOC 31 VISIBILITY CATS C/D/E TO 1 5/8 SM.
CHART NOTE: DME FROM PIA VORTAC. DME USE REQUIRES SIMULTANEOUS RECEPTION OF I-PIA AND PIA DME.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 31 CAT E VISIBILITY TO RVR 4000 AND S-LOC 31 CATS C/D/E TO 1 3/8 SM.

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 095.00 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE TUNGG LOM, RT, 308.52 INBOUND.
FAS OBST: 857 AAO 403703N/0893615W.
CHART 885 TOWER (17-000778) 403544N/0893541W.
CHART CIRCLING ICON.

MINIMUMS:**TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT****ALTERNATE:** NA ☐ ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.; LOC: STANDARD - CAT D 800-2 1/4, CAT E 1100-3, NA WHEN LOCAL WEATHER NOT AVAILABLE.

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*	850	2400	200	850	2400	200	850	2400	200	850	2400	200	850	2400	200
S-LOC 31	1120	2400	470	1120	2400	470	1120	5000	470	1120	5000	470	1120	5000	470
CIRCLING	1160	1	499	1160	1	499	1180	1 1/2	519	1400	2 1/4	739	1680	3	1019



CHANGES - REASONS

1. TERMINAL ROUTES: CHANGED PIA VORTAC TO TUNGG LOM SEGMENT COURSE FROM 112.02 TO 112.04 - FAF RELOCATED PER GPA/TCH.
2. TERMINAL ROUTES: REMOVED IAF MACIN INT/PIA 17.37 DME FROM PROCEDURE - PROCEDURE REDESIGN PER ATC REQUEST.
3. TERMINAL ROUTES: ADDED IAF NINIC/PIA 30.65 DME AND IF MKNTY/PIA 16.18 DME - PROCEDURE REDESIGN PER ATC REQUEST.
4. CHANGED LOC MAP FROM "5.20 NM AFTER TUNGG LOM" TO "PIA 5.12 DME" - PROCEDURE REQUIRES DME.
5. ALTERNATE MISSED APPROACH INSTRUCTIONS: CHANGED FROM "CLIMB TO 1200 THEN CLIMBING LEFT TURN TO 2400 DIRECT PI LOM AND HOLD. (ADF REQUIRED)." TO "CLIMB TO 1200 THEN CLIMBING LEFT TURN TO 2400 DIRECT TUNGG LOM AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2400. (ADF REQUIRED)" - PROCEDURE REDESIGN PER ATC REQUEST.
6. PROFILE LINE 3: REMOVED DIST FAF TO MAP AND CHANGED DIST FAF TO THLD FROM 5.20 TO 5.19 - FAF RELOCATED PER GPA/TCH.
7. PROFILE LINE 5: CHANGED DIST TO THLD FROM OM FROM 5.20 TO 5.19 - FAF RELOCATED PER GPA/TCH, TIME/DISTANCE TABLE NOT REQUIRED.
8. PROFILE LINE 5: CHANGED GS ANT FROM 943 TO 947 - PER AIRNAV DATA.
9. PROFILE LINE 6: CHANGED OM FROM 2378 TO 2350 - RELOCATED BASED ON GPA/TCH.
10. PROFILE LINE 8: CHANGED FROM "PI LOM 2800" TO "TUNGG LOM 2800" - PWE 8260.19J, PARA 8-6-7.
11. ADDED "CHART NOTE: DME FROM PIA VORTAC. DME USE REQUIRES SIMULTANEOUS RECEPTION OF I-PIA AND PIA DME" - PER 8260.19J, PARA 8-6-10K.
12. CHANGED CHART NOTE FROM "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LINCOLN ALTIMETER SETTING AND INCREASE S-ILS 31 DA TO 939 FEET; INCREASE ALL MDAS 100 FEET AND CIRCLING VISIBILITY CAT C/D 1/2 SM" TO " WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AAA ALTIMETER SETTING: INCREASE S-ILS 31 DA TO 939 FEET; INCREASE ALL MDAS 100 FEET AND S-LOC 31 VISIBILITY CAT C/D/E TO 1 1/4 SM AND CIRCLING VISIBILITY CAT C 1/4 SM AND CAT D 1/2 SM" - PER 860.19J, PARA 8-6-10F(4).
13. CHANGED CHART NOTE FROM "FOR INOPERATIVE ALS WHEN USING LOGAN COUNTY ALTIMETER SETTING, INCREASE S-ILS 31 VIS ALL CATS TO RVR 4500" TO "FOR INOPERATIVE ALS WHEN USING AAA ALTIMETER SETTING, INCREASE S-ILS 31 ALL CATS VISIBILITY TO RVR 4500, S-LOC 31 VISIBILITY CATS C/D/E TO 1 5/8 SM" - BASED ON 8260.3E, CHAPTER 3 VISIBILITY, TABLE 3-3-3.
14. CHANGED CHART NOTE FROM "**RVR 1800 AUTHORIZED WITH THE USE OF FD OR AP OR HUD TO DA" TO "**RVR 1800 AUTHORIZED WITH THE USE OF FD OR AP OR HUD TO DA. (NA WHEN USING AAA ALTIMETER SETTING)" - PER 8260.19J, PARA 8-6-12K(1).
15. ADDED "FOR INOPERATIVE ALS, INCREASE S-ILS 31 CAT E VISIBILITY TO RVR 4000 AND S-LOC 31 CATS C/D/E TO 1 3/8 SM" - BASED ON 8260.3E, CHAPTER 3 VISIBILITY.
16. ADDITIONAL FLIGHT DATA: CHANGED FROM "CHART FAS OBST: 770 TOWER 403703N/0893611W" TO "FAS OBST: 857 AAO 403703N/0893615W" - NEW CONTROLLING OBSTACLE.
17. ADDITIONAL FLIGHT DATA: ADDED 7:1 OBST "CHART 885 TOWER (17-000778) 403544N/0893541W" - NEW OBSTACLE EVALUATION.
18. ADDITIONAL FLIGHT DATA: REMOVED "CHART (CFGBJ) AT INTERSECTION OF MACIN DR LEG AND INTERMEDIATE COURSE" - NO LONGER REQUIRED.
19. ALTERNATE MINIMUMS: CHANGED FROM "ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.; LOC: STANDARD - CAT D 800-2 1/4, NA WHEN LOCAL WEATHER NOT AVAILABLE" TO "ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.; LOC: STANDARD - CAT D 800-2 1/4, CAT E 1100-3, NA WHEN LOCAL WEATHER NOT AVAILABLE" - ADDED CAT E PER ATC REQUEST.
20. S-LOC 31: ADDED CAT E AND CHANGED MDA/HAT FROM 1200/550 TO 1120/470, CATS C AND D VISIBILITY FROM RVR 6000 TO RVR 5000 - PER ATC REQUEST, NEW CONTROLLING OBSTACLE, BASED ON 8260.3E, CHAPTER 3 VISIBILITY, TABLE 3-3-3.
21. CIRCLING: ADDED CAT E AND CHANGED CAT A AND B MDA/HAA FROM 1200/539 TO 1160/499, CAT C MDA/HAA FROM 1200/539 TO 1180/519 AND CAT C VISIBILITY FROM 1 5/8 SM TO 1 1/2 SM - PER ATC REQUEST, NEW CONTROLLING OBSTACLES, BASED ON 8260.3E, CHAPTER 3 VISIBILITY, TABLE 3-3-3.

COORDINATED WITH:

A4A

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ALPA

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AOPA

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APA

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HAI

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NBAA

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OTHER: ZAU, PIA APP CON, PIA ATCT, AMGR

FLIGHT CHECKED BY

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GLEN B FREEMAN

CASIMIR L TABAKA

Oct 21, 2024

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Aug 28, 2024

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