

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
LOC BC 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 ID</u> UIN	<u>PROCEDURE NAME</u> LOC BC RWY 22	<u>ORIGINAL/AMENDMENT</u> 8	<u>CITY</u> QUINCY	<u>STATE</u> IL
<u>AIRPORT ELEVATION</u> 768	<u>TDZE</u> 753	<u>SUPERSEDED</u> LOC BC RWY 22	<u>DATED</u> 06/15/2023	<u>MAG VAR</u> 2E
<u>FACILITY</u> I-UIN	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> 12/26/2024	<u>EPOCH YEAR</u> 1985
			<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>
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**MISSED APPROACH**

**MAP:**

WOBOB OR AT 4.39 NM AFTER MALGA/UIN 12.64 DME/RADAR

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 1200 THEN CLIMBING LEFT TURN TO 2400 DIRECT FANUT AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

1. **PT** R      **SIDE OF COURSE** 038.32      **OUTBOUND** 2400      **FT WITHIN** 10      **MILES OF** MALGA/UIN 12.64 DME/RADAR (IAF)
- 2.
3. **FAC:** 218.32      **FAF:** MALGA/UIN 12.64 DME/RADAR      **DIST FAF TO MAP:** 4.39      **DIST FAF TO THLD:** 5.05
4. **MIN ALT:** MALGA/UIN 12.64 DME/RADAR 2400
8. **MSA FROM:** QUINCY LOM 2700



**PBN REQUIREMENTS NOTE:**

RADAR REQUIRED FOR PROCEDURE ENTRY AT MALGA.  
RNP APCH - GPS.

**NOTES:**

CHART PROFILE NOTE: DISREGARD GS INDICATIONS.  
CHART NOTE: VDP NA WHEN USING PITTSFIELD ALTIMETER SETTING.  
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PITTSFIELD ALTIMETER SETTING AND INCREASE ALL MDAS 80 FEET AND S- 22 VISIBILITY CAT C/D 1/8 SM.  
CHART NOTE: DME FROM UIN TACAN. DME USE REQUIRES SIMULTANEOUS RECEPTION OF I-UIN AND UIN DME.

**ADDITIONAL FLIGHT DATA:**

CHART: PRUITT A MOA.  
CHART: HOWARD WEST AND EAST MOA.

HOLD NE, RT, 218.43 INBOUND.  
FAS OBST: 922 AAO 395942N/0910818W.  
965 AAO 400121N/0910642W.  
CHART VDP AT 8.81 DME.  
DISTANCE VDP TO THLD 1.21 NM.  
CHART CIRCLING ICON.  
MALGA TO RW22: 3.00/45.5.

**MINIMUMS:**

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

ALTERNATE: NA

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-22	1180	1	427	1180	1	427	1180	1 1/4	427	1180	1 1/4	427				
CIRCLING	1180	1	412	1220	1	452	1240	1 1/2	472	1320	2	552				

**CHANGES - REASONS**

- AIRPORT ELEVATION CHANGED FROM 769 TO 768 – NEW AIRPORT DATA.
- TDZE CHANGED FROM 747 TO 753 – NEW AIRPORT DATA.
- MISSED APPROACH: MAP CHANGED FROM “5.05 NM AFTER MALGA/UIN 12.64 DME/RADAR” TO “WOBBOB OR AT 4.39 NM AFTER MALGA/UIN 12.64 DME/RADAR” - MAP MUST BE AT LEAST 3000 FEET FROM THE LOC FACILITY. REF. 8260.3, 8-1-7.
- PROFILE LINE 3: DISTANCE FAF TO MAP CHANGED FROM 5.05 TO 4.39. - MAP MUST BE AT LEAST 3000 FEET FROM THE LOC FACILITY. REF. 8260.3, 8-1-7.
- NOTES: MOVED BACKUP ALTIMETER NOTES FROM 8260-9 PART C TO CHART NOTES – REQUESTED BY FPT. REF. 8260.19, 8-6-9F.
- NOTES: BACKUP ALTIMETER NOTE CHANGED FROM “ WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PITTSFIELD ALTIMETER SETTING AND INCREASE ALL MDAS 80 FEET AND S-LOC BC 22 VISIBILITY CAT C/D 1/4 SM.” TO “ WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PITTSFIELD ALTIMETER SETTING AND INCREASE ALL MDAS 80 FEET AND S-22 VISIBILITY CAT C/D 1/8 SM.” – NEW FAS OBST INCREASED HAT. REF. 8260.19, 8-6-9F.
- ADDITIONAL FLIGHT DATA: FAS OBST CHANGED FROM “874 TANK (17-002569) 395927N/0910852W” TO “922 AAO 395942N/0910818W. 965”. – NEW TERRAIN EVALUATION. REF. 8260.19, 8-6-10C.
- ADDITIONAL FLIGHT DATA: 7:1 OBST CHANGED FROM “970 AAO 400126N/0910617W” TO “965 AAO 400121N/0910642W”. – NEW TERRAIN EVALUATION. REF. 8260.19, 8-6-10E..
- ADDITIONAL FLIGHT DATA: CHANGED “CHART VDP AT 8.69 DME.” TO “CHART VDP AT 8.81 DME.” – RAISE IN STRAIGHT IN MDA INCREASED VDP DISTANCE. REF. 8260.19, 8-6-10
- ADDITIONAL FLIGHT DATA: DISTANCE VDP TO THLD INCREASED FROM 1.09 NM TO 1.21 NM. - RAISE IN STRAIGHT IN MDA INCREASED VDP DISTANCE. REF. 8260.19, 8-6-10
- MINIMUMS: ALTERNATE MINS NA – CLEARS NOTAM FDC 3/9035. LOC CAT 3 MONITORING DOES NOT ALLOW FOR ALTERNATE MINS. REF. 8260.19, 8-6-11
- MINIMUMS: S-22 ALL CATS HAT/MDA CHANGED FROM “393/1140” TO “427/1180” – NEW CONTROLLING OBST AND RUNWAY SURVEY. REF. 8260.19, 8-6-11
- MINIMUMS: S-22 CAT C/D VISIBILITY CHANGED FROM “1 1/8” TO “1 ¼” – HAT INCREASED. REF. 8260.19, 8-6-11
- MINIMUMS: CIRCLING CAT A HAA INCREASED FROM “411” TO “412” – NEW SURVEY RAISED AIRPORT ELEVATION. REF. 8260.19, 8-6-11
- MINIMUMS: CIRCLING CAT B HAA INCREASED FROM “451” TO “452” – NEW SURVEY RAISED AIRPORT ELEVATION BY ONE FOOT.
- MINIMUMS: CIRCLING CAT C HAA INCREASED FROM “471” TO “472” – NEW SURVEY RAISED AIRPORT ELEVATION BY ONE FOOT. REF. 8260.19, 8-6-11
- MINIMUMS: CIRCLING CAT D HAA INCREASED FROM “551” TO “552” – NEW SURVEY RAISED AIRPORT ELEVATION BY ONE FOOT. REF. 8260.19, 8-6-11



10/25/24: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 03/21/2024.  
1. CHANGED REQUIRED EFFECTIVE DATE FROM ROUTINE TO 12/26/2024. -HARD DATED

**COORDINATED WITH:**

**A4A**  **ALPA**  **AOPA**  **APA**  **HAI**  **NBAA**

**OTHER:** ZKC ARTCC, AMGR

*Digitally signed by*

**RAKE MCGRAW** **OFFICE**  
Oct 25, 2024

**DATE**

**FLIGHT CHECKED BY**

PENDING

*Digitally signed by*

**RAKE MCGRAW** **OFFICE**  
Oct 25, 2024 AJV-A33

**DATE**  
03/25/2024

**DEVELOPED BY**

JOHN BORDY (DUSTIN HARDISON)

*Digitally signed by*

**RAKE MCGRAW** **OFFICE**  
Oct 25, 2024 AJV-A33

**DATE**  
09/05/2024

**APPROVED BY**

JOHN BORDY

**TITLE**  
MANAGER



**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<u>AIRPORT ID</u> UIN	<u>PROCEDURE NAME</u> LOC BC RWY 22	<u>AMDT NO.</u> 8	<u>CITY</u> QUINCY	<u>STATE</u> IL	<u>AIRPORT ELEVATION</u> 768	<u>FACILITY</u> I-UIN
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**PART A: OBSTRUCTION DATA SEGMENTS**

**INTERMEDIATE: PT**

**FROM** 10 NM **TO** MALGA/UIN 12.64 DME/RADAR

RNP                      DISTANCE                      PAT                      MAP                      HAT                      HMAS  
10.00

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TOWER (17-001032)	400636.00N/0910148.90W	1210	250	50	4D	500				AT690	2400
TERRAIN	400112.00N/0910521.00W	774 (800)								AS1500	2300

**COMPUTATIONS**

ALT    KIAS    KTAS    HAA    VKTW    TR    BA    DTA    COURSE CHANGE    DVEB    VEB OCS    RF CENTER FIX/DISTANCE

**SEGMENT REMARKS:**

**FINAL**

**FROM** MALGA/UIN 12.64 DME/RADAR **TO** WOBOB OR AT 4.39 NM AFTER MALGA/UIN 12.64 DME/RADAR

RNP                      DISTANCE                      PAT                      MAP                      HAT                      HMAS  
4.39                      WOBOB OR AT 4.39 NM  
AFTER MALGA/UIN 12.64  
DME/RADAR                      427

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	395942.00N/0910818.00W	922	215	8	4B	250					1180

**COMPUTATIONS**

ALT    KIAS    KTAS    HAA    VKTW    TR    BA    DTA    COURSE CHANGE    DVEB    VEB OCS    RF CENTER FIX/DISTANCE

**SEGMENT REMARKS:**



**AIRPORT ID**  
UIN

**PROCEDURE NAME**  
LOC BC RWY 22

**AMDT NO.**  
8

**CITY**  
QUINCY

**STATE**  
IL

**AIRPORT ELEVATION**  
768

**FACILITY**  
I-UIN

**PROCEDURE TURN**

**FROM**  
MALGA/UIN 12.64 DME/RADAR

**TO**  
10 NM

**RNP**                      **DISTANCE**                      **PAT**                      **MAP**                      **HAT**                      **HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
TOWER (17-003905)	400156.30N/0910942.58W	1068	50	20	2C	1000					2100
TOWER (17-001032)	400636.00N/0910148.90W	1210	250	50	4D	1000				AT190	2400
TERRAIN	395424.00N/0910900.00W	780 (800)								AS1500	2300
TERRAIN	400121.00N/0905306.00W	810 (800)								AS1500	2300

**COMPUTATIONS**

**ALT**    **KIAS**    **KTAS**    **HAA**    **VKTW**    **TR**    **BA**    **DTA**    **COURSE CHANGE**    **DVEB**    **VEB OCS**    **RF CENTER FIX/DISTANCE**

**SEGMENT REMARKS:**

**MISSED APPROACH**

**FROM**  
WOBOB OR AT 4.39 NM AFTER MALGA/UIN 12.64 DME/RADAR

**TO**  
FANUT

**RNP**                      **DISTANCE**                      **PAT**                      **MAP**                      **HAT**                      **HMAS**  
1080

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
							ASC				2400
TOWER (17-001032)	400636.00N/0910148.90W	1210	250	50	4D	1000					2300
TERRAIN	400124.00N/0910251.00W	793 (800)								AS1500	2300

**COMPUTATIONS**

**ALT**    **KIAS**    **KTAS**    **HAA**    **VKTW**    **TR**    **BA**    **DTA**    **COURSE CHANGE**    **DVEB**    **VEB OCS**    **RF CENTER FIX/DISTANCE**

**SEGMENT REMARKS:**





**AIRPORT ID**  
UIN

**PROCEDURE NAME**  
LOC BC RWY 22

**AMDT NO.**  
8

**CITY**  
QUINCY

**STATE**  
IL

**AIRPORT ELEVATION**  
768

**FACILITY**  
I-UIN

**PART B: SUPPLEMENTAL DATA**

**COMMUNICATIONS WITH**

STL FSS, ZKC ARTCC

**WX SERVICE**  
ASOS

**LOCATION**  
UIN

**HRS OPERATION**  
24

**ALTIMETER SOURCE**  
UIN

**DISTANCE**  
0

**SERVICE-A**  
Y

**ADJUSTMENTS**  
0

**BACK-UP WX SERVICE**  
AWOS-3PT

**LOCATION**  
PPQ

**HRS OPERATION**  
24

**ALTIMETER SOURCE**  
PPQ

**DISTANCE**  
26.49

**SERVICE-A**  
Y

**ADJUSTMENTS**  
70

**WX REMARKS:**

RASS PRESSURE PATTERNS THE SAME  
KUIIN 768, KPPQ 704  
RA = 69.5.

**PRIMARY NAVAID**  
I-UIN

**MONITOR POINT**  
UIN RADIO

**HRS OPERATION**  
24

**CAT**  
3

<b>APPROACH AND RUNWAY LIGHTING SYSTEM</b>	<b>RUNWAY MARKINGS</b>	<b>RUNWAY VISUAL RANGE</b>
RW13 - MIRL (PCL), PAPI-4L (PCL)	NPI-G	
RW31 - MIRL (PCL), PAPI-4R (PCL)	NPI-G	
RW04 - MALSR (PCL), HIRL (PCL), PAPI-4R (PCL)	PIR-G	
RW22 - HIRL (PCL), REIL (PCL), PAPI-4L (PCL)	PIR-G	

**GLIDESLOPE ANGLE**

**ELEV RWY THRESHOLD**

**TCH**

**ELEV GS ANTENNA**  
758.8

**DISTANCE FROM RWY**  
733

**VGSI ANGLE**  
3.00

**TCH**  
45.5

**FINAL APPROACH COURSE AIMING**

RUNWAY THRESHOLD  
ON CENTERLINE

FT FROM THRESHOLD  
FT FROM CENTERLINE

DISPLACED THRESHOLD DISTANCE

**CRITICAL TEMPERATURES**

**CRITICAL LOW**

**CRITICAL HIGH**

**ACT**

**APT ISA**

**CRITICAL TEMPERATURE REMARKS:**

**"VISUAL PORTION OF FINAL" PENETRATIONS**



**HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS**

and/or

**5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS**

**PENETRATIONS REMARKS:**

**PART C: GENERAL REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

100' VEGETATION USED PER FPT.

BACKUP ALTIMETER NOTE CHARTED PER FPT.

ORDER 8260.3 CHAPTER 2 APPLIED TO 965 AAO 400121.00N/0910642.00W.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

**PART D: AIRSPACE**

**DOCKET #**

**ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE**

<b>DISTANCE FROM</b>	THLD	<b>TO 1000FT POINT</b>	2.85
<b>WIDTH OF</b>	FINAL	<b>SEGMENT AT 1000FT POINT</b>	0.84
<b>TRUE COURSE OF</b>	FINAL	<b>SEGMENT CONTAINING 1000FT POINT</b>	220.32
<b>HIGH TERRAIN IN</b>	FINAL	<b>SEGMENT CONTAINING 1000FT POINT</b>	700
<b>DISTANCE FROM</b>	THLD	<b>TO 1500FT POINT</b>	4.65
<b>WIDTH OF</b>	FINAL	<b>SEGMENT AT 1500FT POINT</b>	1.22
<b>TRUE COURSE OF</b>	FINAL	<b>SEGMENT CONTAINING 1500FT POINT</b>	220.32
<b>HIGH TERRAIN IN</b>	FINAL	<b>SEGMENT CONTAINING 1500FT POINT</b>	700

**THRESHOLD COORDINATES (IF STR-IN)**

395703.61N/0911059.47W

**ARP COORDINATES**

395632.19N/0911132.66W

**RUNWAY APCH END AND DIST FURTHEST FROM ARP**

RUNWAY 22 DISTANCE 0.71 NM

**FAF COORDINATES**

400054.71N/0910644.31W

**FIX NAME COORDINATES**

**REMARKS**

**PART E: PREPARED BY**

**NAME**

JOHN BORDY (DUSTIN HARDISON)

**OFFICE**

AJV-A33

**DATE**

03/25/2024

**TITLE**

AERONAUTICAL INFORMATION SPECIALIST

