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.

AIRPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
DBQ	ILS OR LOC RWY 36	1A	DUBUQUE	IA

AIRPORT ELEVATION	TDZE	SUPERSEDED	ORIGINAL/AMENDMENT	DATED	MAG VAR	EPOCH YEAR
1076	1048	ILS OR LOC RWY 36	1	03/26/2020	3E	1975

FACILITY	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	REQUIRED EFFECTIVE DATE	CANCEL/SUSPEND
I-FUQ			ROUTINE	

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
DBQ VORTAC		GOLDN OM/I-FUQ 6.21 DME					177.30	5.55	3000

MISSED APPROACH

MAP:

ILS: DA
LOC: 5.00 NM AFTER GOLDN OM/I-FUQ 6.21 DME OR AT I-FUQ 1.22 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2000 THEN CLIMBING LEFT TURN TO 3500 ON HEADING 310 AND DBQ VORTAC R-322 TO CASSY INT/DBQ 25.00 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. **PT** L **SIDE OF COURSE** 176.94 **OUTBOUND** 3000 **FT WITHIN** 10 **MILES OF** GOLDN OM (IAF)
2.
3. **FAC:** 356.94 **FAF:** GOLDN OM/I-FUQ 6.21 DME **PFAF:** GP INTCP **DIST FAF TO MAP:** 5.00 **DIST FAF TO THLD:** 5.00
4. **MIN ALT:** GOLDN OM/I-FUQ 6.21 DME 2700
5. **DIST TO THLD FROM OM:** 5.00 **MM:** **IM:** **150 HAT:** **GS ANT:** 961
6. **MIN GS INCPT:** 2700 **GS ALT AT PFAF:** **OM:** 2675 **MM:** **IM:**
7. **GS ANGLE:** 3.00 **34:1:** **20:1:** **TCH:** 49.8
8. **MSA FROM:** DBQ VORTAC 2900

QUALITY 21 CHECKED

PBN REQUIREMENTS NOTE:

DME OR RADAR REQUIRED FOR PROCEDURE ENTRY.

NOTES:

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON DBQ VORTAC AIRWAY RADIALS 162 CW 234.
CHART PROFILE NOTE: USE I-FUQ DME WHEN ON THE LOCALIZER COURSE.
CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 1200.
CHART NOTE: * RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.

ADDITIONAL FLIGHT DATA:

CHART IN PLANVIEW ONLY: DBQ 5.55 DME AT GOLDN OM.
HOLD SE, RT, 321.53 INBOUND.
FAS OBST: 1320 AAO 421929N/0904202W.
CHART VDP AT 2.76 DME.
DISTANCE VDP TO THLD 1.55 NM.
CHART CIRCLING ICON.

MINIMUMS:

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

ALTERNATE: NA ☐ ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE., NA WHEN CONTROL TOWER CLOSED.; LOC: STANDARD - CAT D 800-2 1/4, NA WHEN LOCAL WEATHER NOT AVAILABLE., 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 36*	1248	2400	200	1248	2400	200	1248	2400	200	1248	2400	200			
S-LOC 36	1580	2400	532	1580	2400	532	1580	5500	532	1580	5500	532			
CIRCLING	1580	1	504	1600	1	524	1600	1 1/2	524	1800	2 1/4	724			

CHANGES - REASONS

1. AIRPORT ELEVATION: CHANGED FROM "1077" TO "1076" - PER AIR NAV DATA.
2. PROFILE: LINE 5 GS ANT CHANGED FROM "964" TO "961" - PER AIR NAV DATA.
3. MISSED APPROACH INSTRUCTIONS: UPDATED INSTRUCTIONS FROM "CLIMB TO 2000 THEN CLIMBING LEFT TURN TO 3500 ON HEADING 310 AND DBQ R-322 TO CASSY INT/DBQ 25.00 DME AND HOLD" TO "CLIMB TO 2000 THEN CLIMBING LEFT TURN TO 3500 ON HEADING 310 AND DBQ VORTAC R-322 TO CASSY INT/DBQ 25.00 DME AND HOLD" - ADDED NAVAID TYPE "VORTAC" AFTER "DBQ".
4. NOTES: ADDED CHART NOTE "AUTOPILOT COUPLED APPROACH NA BELOW 1200" - PER FLIGHT INSPECTION, GS EXCEEDS TOLERANCES IAW 8200.0.
5. NOTES: CHANGED CHART NOTE FROM "# RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA" TO "* RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA" AND CHANGED MINIMUMS "S-ILS 36 #" TO "S-ILS*" - CHANGED SYMBOLS FROM "POUND SIGN (#)" TO "ASTERISK (*)" IN CHART NOTE AND S-ILS 36 FINAL TYPE.
6. ADDITIONAL FLIGHT DATA: REMOVED "*LOC ONLY" - NO LONGER NEEDED.
7. ADDITIONAL FLIGHT DATA: CHANGED CHART NOTE FROM "VDP AT 2.76 DME*" TO "VDP AT 2.76 DME" - REMOVED ASTERISK, NO LONGER NEEDED.
8. MINIMUMS: CIRCLING CAT A HAA CHANGED FROM "503" TO "504", CAT B/C HAA CHANGED FROM "523" TO "524" AND CAT D HAA CHANGED FROM "723" TO "724" - AIRPORT ELEVATION CHANGED.

AIRPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
DBQ	ILS OR LOC RWY 36	1A	DUBUQUE	IA

COORDINATED WITH:

A4A [X] **ALPA** [X] **AOPA** [X] **APA** [ ] **HAI** [ ] **NBAA** [X] **OTHER:** ZAU, DBQ ATCT, AMGR

FLIGHT CHECKED BY		OFFICE	DATE
PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION	*Digitally signed by* ***DAVID DANNER*** May 14, 2025		
DEVELOPED BY TRAVIS BRISTOW	*Digitally signed by* ***DAVID DANNER*** May 14, 2025	**OFFICE** AJV-A421	**DATE** 04/29/2025
APPROVED BY DAVID DANNER	*Digitally signed by* ***DAVID DANNER*** May 14, 2025	**OFFICE** AJV-A421	**DATE** 08/28/2025

TITLE MANAGER

QUALITY 21 CHECKED

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

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
DBQ	ILS OR LOC RWY 36	1A	DUBUQUE	IA	1076	I-FUQ

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM
DBQ VORTAC

TO
GOLDN OM/I-FUQ 6.21 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
	5.55				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (19-001763)	422245.00N/0904700.00W	1435	250	50	4D	1000				AT565	3000
TERRAIN	422345.00N/0903948.00W	1181 (1200)								AS1500	2700

COMPUTATIONS

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

SEGMENT REMARKS:

INTERMEDIATE: PT

FROM
10 NM

TO
GOLDN OM/I-FUQ 6.21 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
	10.00				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (19-001411)	421516.00N/0904138.00W	1278	500	50	5D	500				AT922	2700
TERRAIN	421824.00N/0904336.00W	1040 (1000)								AS1500	2500

COMPUTATIONS

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

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
DBQ	ILS OR LOC RWY 36	1A	DUBUQUE	IA	1076	I-FUQ

FINAL: ILS

FROM	TO
GP INTCP	RW36

RNP	DISTANCE	PAT	MAP	HAT	HMAS
	5.00		DA	200	

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				1248

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LOC

FROM	TO
GOLDN OM/I-FUQ 6.21 DME	5.00 NM AFTER GOLDN OM/I-FUQ 6.21 DME OR AT I-FUQ 1.22 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
	6.21		5.00 NM AFTER GOLDN OM/I-FUQ 6.21 DME OR AT I-FUQ 1.22 DME	532	

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	421929.01N/0904201.84W	1320	50	20	2C	250					1580

COMPUTATIONS

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

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
DBQ	ILS OR LOC RWY 36	1A	DUBUQUE	IA	1076	I-FUQ

PROCEDURE TURN

FROM	TO
GOLDN OM	10 NM

RNP	DISTANCE	PAT	MAP	HAT	HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (19-001763)	422245.00N/0904700.00W	1435	250	50	4D	1000					2500
TERRAIN	422345.00N/0903948.00W	1181 (1200)								AS1500	2700

COMPUTATIONS

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

SEGMENT REMARKS:

MISSED APPROACH: ILS

FROM	TO
DA	CASSY INT/DBQ 25.00 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
					1076

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3500
TOWER (19-001399)	423619.72N/0904756.76W	1540	50	20	2C	1000					2600
TERRAIN	424036.00N/0910115.00W	1302 (1300)								AS1500	2800

COMPUTATIONS

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

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
DBQ	ILS OR LOC RWY 36	1A	DUBUQUE	IA	1076	I-FUQ

MISSED APPROACH: LOC

FROM
5.00 NM AFTER GOLDN OM/I-FUQ 6.21 DME OR AT I-FUQ 1.22 DME

TO
CASSY INT/DBQ 25.00 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
					1330

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3500
TOWER (19-001399)	423619.72N/0904756.76W	1540	50	20	2C	1000					2600
TERRAIN	424036.00N/0910115.00W	1302 (1300)								AS1500	2800

COMPUTATIONS

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

SEGMENT REMARKS:

CIRCLING ☐ ALL CATS ☒ CAT A ☒ CAT B ☒ CAT C ☒ CAT D ☐ CAT E ☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
TREE	422328.61N/0903200.62W	1.30	504	1279	50	20	2C	300			1580
CATEGORY B											
TREE	422348.00N/0903958.00W	1.84	524	1289	50	20	2C	300			1600
CATEGORY C											
TREE	422348.00N/0903958.00W	2.90	524	1289	50	20	2C	300			1600
CATEGORY D											
TOWER (19-001763)	422245.00N/0904700.00W	3.79	724	1435	250	50	4D	300		AC50	1800

CIRCLING REMARKS:

MSA

CENTER
DBQ VORTAC

RADIUS
25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TOWER (55-001762)	423143.60N/0903658.50W	024	8.7	1878	500	125	5E	1000			2900

MSA REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
DBQ	ILS OR LOC RWY 36	1A	DUBUQUE	IA	1076	I-FUQ

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

100 FT VEGETATION USED PER FPT.

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

DBQ TOWER, CHI ARTCC

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	DBQ	24	DBQ	0	Y	0

BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
AWOS-3	MXO	24	MXO	22.91	Y	88

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
KDBQ 1077, KMXO 832
RA = 87.1.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
I-FUQ	ATCT	* TOWER OPEN	1
		** TOWER CLOSED	3

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW13 - MALS (PCL), HIRL (PCL), PAPI-4R (PCL)	PIR-G	
RW18 - REIL (PCL), HIRL (PCL), PAPI-4L (PCL)	PIR-G	ROLL OUT
RW31 - MALSR (PCL), HIRL (PCL), PAPI-4L (PCL)	PIR-G	
RW36 - MALSR (PCL), HIRL (PCL), PAPI-4L (PCL)	PIR-G	APPROACH

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
3.00	1033.4	49.8	1020.4	961	3.00	51.4

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD [X] FT FROM THRESHOLD DISPLACED THRESHOLD DISTANCE
ON CENTERLINE [X] FT FROM CENTERLINE

CRITICAL TEMPERATURES

CRITICAL LOW **CRITICAL HIGH** **ACT** **APT ISA**

CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

QUALITY 21 CHECKED

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

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

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

CONTINGENCY ALTIMETER NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MXO ALTIMETER SETTING: INCREASE ALL MDA 100 FEET AND S-LOC 36 VISIBILITY CATS C/D 3/8 SM, CIRCLING CAT C 1/4 SM, AND CAT D 1/2 SM.

FOR INOPERATIVE ALS, WHEN USING MXO ALTIMETER SETTING, INCREASE S-ILS 36 ALL CATS VISIBILITY TO RVR 4500 AND S-LOC 36 CAT C/D VISIBILITY TO 1 3/4 SM.

VDP NA WHEN USING MXO ALTIMETER SETTING.

*RVR 1800 NA WHEN USING MXO ALTIMETER.

PERCIPITOUS TERRAIN EVALUATION COMPLETED.

NO SUITABLE ALTERNATE MISSED APPROACH.
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

DISTANCE FROM	THLD	**TO 1000FT POINT**	3.19
WIDTH OF	FINAL	**SEGMENT AT 1000FT POINT**	0.91
TRUE COURSE OF	FINAL	**SEGMENT CONTAINING 1000FT POINT**	359.94
HIGH TERRAIN IN	FINAL	**SEGMENT CONTAINING 1000FT POINT**	1100
DISTANCE FROM	THLD	**TO 1500FT POINT**	4.80
WIDTH OF	FINAL	**SEGMENT AT 1500FT POINT**	1.26
TRUE COURSE OF	FINAL	**SEGMENT CONTAINING 1500FT POINT**	359.94
HIGH TERRAIN IN	FINAL	**SEGMENT CONTAINING 1500FT POINT**	1100

THRESHOLD COORDINATES (IF STR-IN)	422332.15N/0904243.26W
ARP COORDINATES	422407.20N/0904234.10W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 36 DISTANCE 0.59 NM
FAF COORDINATES	421832.09N/0904242.86W
FIX NAME COORDINATES	

REMARKS

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
TRAVIS BRISTOW	AJV-A421	04/29/2025	AERONAUTICAL INFORMATION SPECIALIST

QUALITY 21 CHECKED