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

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
OTM	RNAV (GPS) RWY 4	ORIG	OTTUMWA	IA	846	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

INITIAL

FROM	TO
KAWFY	METZO

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00	7.00				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (19-021977)	410037.81N/0924346.52W	1363	50	20	2C	1000				AT137	2500
TERRAIN	410151.00N/0924551.00W	938 (900)								AS1500	2400

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL

FROM	TO
SERSY	METZO

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00	7.00				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (19-000146)	405752.40N/0923605.60W	1258	250	125	4E	1000				AT242	2500
TERRAIN	405654.00N/0923915.00W	918 (900)								AS1500	2400

COMPUTATIONS

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

SEGMENT REMARKS:

QUALITY 13 CHECKED

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
OTM	RNAV (GPS) RWY 4	ORIG	OTTUMWA	IA	846	RNAV

INTERMEDIATE

FROM	TO
METZO (IF/IAF)	CASEN

RNP	DISTANCE	PAT	MAP	HAT	HMAS
1.00	6.10				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (19-000146)	405752.40N/0923605.60W	1258	250	125	4E	500				AC125 AT617	2500
TERRAIN	405639.00N/0923730.00W	912 (900)								AS1500	2400

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LPV

FROM	TO
CASEN	RW04

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30	5.08		DA	206	

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC			MA6	1052

COMPUTATIONS

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

SEGMENT REMARKS:

QUALITY 13 CHECKED

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
OTM	RNAV (GPS) RWY 4	ORIG	OTTUMWA	IA	846	RNAV

FINAL: LNAV/VNAV

FROM	TO
CASEN	RW04

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30	5.08		DA	259	

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE	410545.00N/0922715.00W	947	215	8	4B	150				AC8	1105

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LNAV

FROM	TO
CASEN	RW04

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30	5.08		RW04	434	

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	410327.10N/0923126.01W	1020	50	20	2C	250					1280

COMPUTATIONS

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

SEGMENT REMARKS:

QUALITY 13 CHECKED

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
OTM	RNAV (GPS) RWY 4	ORIG	OTTUMWA	IA	846	RNAV

HOLD-IN-LIEU OF PT

FROM	TO
METZO	P-5

RNP	DISTANCE	PAT	MAP	HAT	HMAS
		P-5			

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TOWER (19-000996)	405525.00N/0924343.00W	1435	50	20	2C	1000					2500
TERRAIN	405242.00N/0924727.00W	994 (1000)								AS1500	2500

COMPUTATIONS

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

SEGMENT REMARKS:

MISSED APPROACH: LPV

FROM	TO
DA	FAVER

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30-1.00					882

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE (19-064630)	410616.99N/0922719.96W	913	20	3	1A		ASC				2500
AAO	411127.00N/0922227.00W	1040	215	8	4B	1000					2100
TERRAIN	410615.00N/0922554.00W	859 (900)								AS1500	2400

COMPUTATIONS

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

SEGMENT REMARKS:

QUALITY 13 CHECKED

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
OTM	RNAV (GPS) RWY 4	ORIG	OTTUMWA	IA	846	RNAV

MISSED APPROACH: LNAV/VNAV

FROM	TO
DA	FAVER

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30-1.00					955

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2500
AAO	411127.00N/0922227.00W	1040	215	8	4B	1000					2100
TERRAIN	410615.00N/0922554.00W	859 (900)								AS1500	2400

COMPUTATIONS

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

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM	TO
RW04	FAVER

RNP	DISTANCE	PAT	MAP	HAT	HMAS
0.30-1.00					1180

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2500
AAO	411127.00N/0922227.00W	1040	215	8	4B	1000					2100
TERRAIN	410615.00N/0922554.00W	859 (900)								AS1500	2400

COMPUTATIONS

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

SEGMENT REMARKS:

QUALITY 13 CHECKED

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
OTM	RNAV (GPS) RWY 4	ORIG	OTTUMWA	IA	846	RNAV

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	410615.00N/0922554.00W	1.30	434	960	215	8	4B	300		SI	1280
CATEGORY B											
TREE	410615.00N/0922554.00W	1.83	454	960	215	8	4B	300		HAA	1300
CATEGORY C											
TOWER (19-002134)	410549.00N/0923024.00W	2.89	554	1045	250	50	4D	300		AC50	1400

CIRCLING REMARKS:

MSA

CENTER	RADIUS
RW04	25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TOWER (19-001087)	411139.00N/0915716.00W	078	23.2	1950	500	50	5D	1000			3000

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZAU ARTCC, FORT DODGE FSS

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	OTM	24	OTM		Y	0
BACK-UP WX SERVICE	**LOCATION**	**HRS OPERATION**	**ALTIMETER SOURCE**	**DISTANCE**	**WMSCR**	**ADJUSTMENTS**
AWOS-3	OOA	24	OOA	7.44	Y	18

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME.
OTM 846, OOA 841.
RA = 17.9.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT

QUALITY 13 CHECKED

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
OTM	RNAV (GPS) RWY 4	ORIG	OTTUMWA	IA	846	RNAV

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW04 - REIL (PCL), HIRL (PCL), PAPI-2L (PCL)	NPI-G	
RW22 - REIL (PCL), HIRL (PCL), PAPI-2L (PCL)	NPI-G	
RW13 - HIRL (PCL), REIL (PCL), PAPI-4L (PCL)	PIR-G	
RW31 - MALSR (PCL), HIRL (PCL)	PIR-G	

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
3.00	841.4	40.0			3.00	40.0

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
-22C	+54C	-23C	+13.33C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2020-2024).
CRITICAL LOW TEMPERATURE BASED ON EFFECTIVE GPA.
DESCENT RATE (FPM): STANDARD TEMP 828 HIGH TEMP 1176.

"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.

FOR CONTINGENCY PURPOSES: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE OOA ALTIMETER SETTING: INCREASE LPV DA TO 1070 FEET; INCREASE LNAV/VNAV DA TO 1123 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE ALL MDAS 20 FEET AND LNAV VISIBILITY CAT C 1/8 SM.

FOR CONTINGENCY PURPOSES: BARO-VNAV AND VDP NA WHEN USING OOA ALTIMETER SETTING.

VEGETATION HEIGHT: 100 FT.

ORDER 8260.3 CHAPTER 2 APPLIED TO 1060 AAO 410254.00N/0923209.00W.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

QUALITY 13 CHECKED

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**	3.20
WIDTH OF	FINAL	**SEGMENT AT 1000FT POINT**	1.20
TRUE COURSE OF	FINAL	**SEGMENT CONTAINING 1000FT POINT**	044.93
HIGH TERRAIN IN	FINAL	**SEGMENT CONTAINING 1000FT POINT**	900
DISTANCE FROM	THLD	**TO 1500FT POINT**	4.88
WIDTH OF	FINAL	**SEGMENT AT 1500FT POINT**	1.95
TRUE COURSE OF	FINAL	**SEGMENT CONTAINING 1500FT POINT**	044.93
HIGH TERRAIN IN	FINAL	**SEGMENT CONTAINING 1500FT POINT**	900

THRESHOLD COORDINATES (IF STR-IN)	410618.71N/0922705.20W
ARP COORDINATES	410626.00N/0922649.80W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 31 DISTANCE 0.55 NM
FAF COORDINATES	410242.77N/0923150.08W
FIX NAME COORDINATES	

REMARKS

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
RICHARD BRUCE	AJV-A422	01/05/2026	AERONAUTICAL INFORMATION SPECIALIST

QUALITY 13 CHECKED