

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

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
MVN	ILS OR LOC RWY 23	13	MOUNT VERNON	IL	480	MVN

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM ENL VORTAC **TO** FAMTA INT

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>			<u>HMAS</u>		
	18.98										
<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 (17-000153)	382215.10N/0885520.10W	1091	250	50	4D	1000				AT909	3000
TERRAIN	382809.00N/0890412.00W	636 (600)								AS1500	2100

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL

FROM BIB VORTAC **TO** OFEND/BIB 25.86 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>			<u>HMAS</u>		
	25.86										
<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 (17-001391)	384105.84N/0883319.90W	1030	250	50	4D	1000				AT970	3000
TERRAIN	383536.00N/0883900.00W	603 (600)								AS1500	2100

COMPUTATIONS

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

SEGMENT REMARKS:



INTERMEDIATE

FROM

OFEND/BIB 25.86 DME

TO

FAMTA INT

<u>RNP</u>	<u>DISTANCE</u> 10.18	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
<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 (17-000782)	382913.17N/0883319.18W	854	250	50	4D	500				AT946	2300
TERRAIN	382715.00N/0884400.00W	564 (600)								AS1500	2100

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

FAMTA INT

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
	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>
AAO	382606.00N/0884142.00W	765	215	8	4B	500				AT1035	2300
TERRAIN	382606.00N/0884142.00W	564 (600)								AS1500	2100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: ILS

FROM

FAMTA INT

TO

RW23

<u>RNP</u>		<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>	<u>HMAS</u>				
		5.59		DA			200					
<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>
								ASC				671

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LOC

FROM

FAMTA INT

TO

5.59 NM AFTER FAMTA INT

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
	5.59		5.59 NM AFTER FAMTA INT				549				
<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	382354.00N/0884503.00W	762	215	8	4B	250					1020

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



PROCEDURE TURN

FROM

FAMTA INT

TO

10 NM

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
<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 (17-002156)	383021.22N/0882604.42W	867	50	20	2C	1000				AT433	2300
TERRAIN	382906.00N/0884624.00W	597 (600)								AS1500	2100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: ILS

FROM

DA

TO

FAMTA

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u> 503			
<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>
							ASC				2300
TOWER (17-000153)	382215.10N/0885520.10W	1091	250	50	4D	1000					2100
TERRAIN	382721.00N/0885642.00W	629 (600)								AS1500	2100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSSED APPROACH: LOC

FROM

5.59 NM AFTER FAMTA INT

TO

FAMTA

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u> 770			
<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>
							ASC				2300
TOWER (17-000153)	382215.10N/0885520.10W	1091	250	50	4D	1000					2100
TERRAIN	382721.00N/0885642.00W	629 (600)								AS1500	2100

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	382045.00N/0885215.00W	1.30	540	662	215	8	4B	300		SI	1020
CATEGORY B											
TREE	382115.00N/0885215.00W	1.82	540	691	215	8	4B	300		SI	1020
CATEGORY C											
TOWER (17-000212)	381945.00N/0885429.00W	2.86	660	784	250	50	4D	300		AC50	1140
CATEGORY D											
TOWER (17-000392)	381954.00N/0885556.00W	3.74	900	1030	250	50	4D	300		AC50	1380

CIRCLING REMARKS:

MSA

CENTER

ENL VORTAC

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TOWER (17-001372)	383239.00N/0885526.00W	052	13.3	1550	500	50	5D	1000			2600

MSA REMARKS:

2600
QUALITY
39
CHECKED

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZKC ARTCC, STL FSS

<u>WX SERVICE</u> AWOS-3PT	<u>LOCATION</u> MVN	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> MVN	<u>DISTANCE</u>	<u>WMSCR</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u> AWOS-3PT	<u>LOCATION</u> ENL	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> ENL	<u>DISTANCE</u> 15.88	<u>WMSCR</u> Y	<u>ADJUSTMENTS</u> 45

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
KMVN 480
KENL 534
RA = 44.1

<u>PRIMARY NAVAID</u> MVN	<u>MONITOR POINT</u> MOCC	<u>HRS OPERATION</u> 24	<u>CAT</u> 1
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<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW15 - MIRL (PCL)	BSC-F	
RW33 - MIRL (PCL)	BSC-F	
RW05 - HIRL (PCL), VASI-4L	PIR-G	
RW23 - MALSR (PCL), HIRL (PCL)	PIR-G	

<u>GLIDESLOPE ANGLE</u> 3.00	<u>ELEV RWY THRESHOLD</u> 467.8	<u>TCH</u> 52.1	<u>ELEV GS ANTENNA</u> 470.7	<u>DISTANCE FROM RWY</u> 949	<u>VGSI ANGLE</u>	<u>TCH</u>
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	☒	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	☒	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	CIRCLING RWY 15	QUALITY 39 CHECKED	
20:1			
555 TREE (17-031625) 381941.24N/0885151.20W (46.76)	551 TREE (17-031621) 381940.95N/0885150.23W (45.96)		
573 TREE (17-031623) 381947.22N/0885148.51W (43.92)	540 TREE (17-034935) 381944.71N/0885147.97W (22.99)		

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
MVN	ILS OR LOC RWY 23	13	MOUNT VERNON	IL	480	MVN
585 TREE (17-031983) 381951.35N/0885159.14W (16.65)			582 TREE (17-031626) 381952.62N/0885158.94W (8.49)			
506 TRAVERSE WAY (17-031615) 381941.06N/0885149.44W (2.05)						
FINAL TYPE	CIRCLING RWY 33					
20:1						
479 TRAVERSE WAY (17-031614) 381903.17N/0885121.71W (1.64)						
PENETRATIONS REMARKS:						

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 PER FPT.
 - NO SUITABLE ALTERNATE MISSED APPROACH, PER FPT/ATC.
 - THE VDP IS NOT PUBLISHABLE BECAUSE: DME SOURCE NOT AVAILABLE OR NOT IDENTIFIED IN FINAL FIX MAKEUP.
 - B/U ALTIMETER NOTES CHARTED PER FPT REQUEST.
- 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	3.39
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	0.95
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	230.07
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	600
DISTANCE FROM	THLD	TO 1500FT POINT	5.19
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.34
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	230.07
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	600

THRESHOLD COORDINATES (IF STR-IN)	381945.35N/0885057.80W
ARP COORDINATES	381924.10N/0885130.60W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 23 DISTANCE 0.56 NM
FAF COORDINATES	382320.72N/0884530.69W
FIX NAME COORDINATES	

REMARKS



PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
ALLAN WILL (WILLIAM MATTHEWS)	AJV-A33	05/01/2026	AERONAUTICAL INFORMATION SPECIALIST

