

**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>
ABI	LOC RWY 17R	1	ABILENE	TX	1791	I-EMB

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM TQA VOR/DME **TO** HONUN INT/I-EMB 6.02 DME

<u>RNP</u>	<u>DISTANCE</u> 17.49	<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 (48-004137)	321659.00N/0994454.00W	2740	500	125	5E	1000				AT260	4000
TERRAIN	321827.00N/0995045.00W	2372 (2400)								AS1500	3900

COMPUTATIONS

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

SEGMENT REMARKS:

FEEDER

FROM ABI VORTAC **TO** HONUN INT/I-EMB 6.02 DME

<u>RNP</u>	<u>DISTANCE</u> 9.16	<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 (48-000473)	323036.70N/0994429.47W	2147	250	50	4D	1000				AT853	4000
TERRAIN	323024.00N/0995057.00W	1840 (1800)								AS1500	3300

COMPUTATIONS

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

SEGMENT REMARKS:



INTERMEDIATE: PT

FROM

15 NM

TO

HONUN INT/I-EMB 6.02 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
	15.00										
<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>
WINDMILL (48-015922)	323514.20N/0993405.80W	2185	250	50	4D	1000					3200
TERRAIN	324227.00N/0994506.00W	1751 (1800)								AS1500	3300

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LOC

FROM

HONUN INT/I-EMB 6.02 DME

TO

4.65 NM AFTER HONUN INT/I-EMB 6.02 DME OR AT I-EMB 1.36 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
	4.65		4.65 NM AFTER HONUN INT/I-EMB 6.02 DME OR AT I- EMB 1.36 DME		509						
<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 (48-003489)	322853.00N/0994141.00W	1980	500	50	5D	250				AC50	2280

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

PROCEDURE TURN

FROM

HONUN INT/I-EMB 6.02 DME

TO

15 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>
WINDMILL (48-015922)	323514.20N/0993405.80W	2185	250	50	4D	1000				AT815	4000
TERRAIN	323024.00N/0993403.00W	1879 (1900)								AS1500	3400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSSED APPROACH: LOC

FROM

4.65 NM AFTER HONUN INT/I-EMB 6.02 DME OR AT I-EMB 1.36 DME

TO

ABI VORTAC

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u> 2030			
<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				5000
AAO	321827.00N/0994754.00W	2172	215	8	4B	1000					3200
TERRAIN	321827.00N/0994754.00W	1971 (2000)								AS1500	3500

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	322309.00N/0993900.00W	1.32	489	1934	215	8	4B	300		XP46	2280
CATEGORY B											
TOWER (48-005753)	322444.00N/0993827.00W	1.87	529	2005	20	3	1A	300			2320
CATEGORY C											
ANTENNA (48-092089)	322304.67N/0994336.65W	2.94	629	2101	20	10	1B	300			2420
CATEGORY D											
AAO	322236.00N/0993612.00W	3.85	669	2159	215	8	4B	300			2460
CATEGORY E											
TOWER (48-000589)	322133.00N/0993520.00W	4.82	829	2261	250	50	4D	300		AC50	2620

CIRCLING REMARKS:
XP TO MATCH STRAIGHT-IN MINS

MSA

CENTERRADIUSABI VORTAC25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
180-270	TOWER (48-000492)	322448.00N/1000626.00W	242	13.0	3547	250	50	4D	1000			4600
270-180	TOWER (48-011248)	321632.00N/0993525.00W	122	18.6	2991	500	50	5D	1000			4000

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZFW ARTCC, ABI APP CON, ABI TOWER

WX SERVICE ASOS	LOCATION ABI	HRS OPERATION 24	ALTIMETER SOURCE ABI	DISTANCE	WMSCR Y	ADJUSTMENTS 0
BACK-UP WX SERVICE ASOS	LOCATION DYS	HRS OPERATION 24	ALTIMETER SOURCE DYS	DISTANCE 8.87	WMSCR Y	ADJUSTMENTS 21

WX REMARKS:
RASS PRESSURE PATTERNS THE SAME
KABI 1791 KDYS 1790 RA = 20.6

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
I-EMB	ATCT	24	1

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW17R - HIRL, PAPI-4L	NPI-G	
RW35L - HIRL, REIL, PAPI-4L	NPI-G	
RW17L - HIRL, PAPI-4L	PIR-G	ROLL OUT
RW35R - MALSR, HIRL	PIR-G	APPROACH

GLIDESLOPE ANGLE

ELEV RWY THRESHOLD

TCH

ELEV GS ANTENNA

DISTANCE FROM RWY

VGSI ANGLE

TCH

3.00

63.0

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD

ON CENTERLINE

X

X

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.

VEGETATION HEIGHT 100 FEET PER FPT.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

<u>AIRPORT ID</u> ABI	<u>PROCEDURE NAME</u> LOC RWY 17R	<u>AMDT NO.</u> 1	<u>CITY</u> ABILENE	<u>STATE</u> TX	<u>AIRPORT ELEVATION</u> 1791	<u>FACILITY</u> I-EMB
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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	2.98
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	0.86
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	179.76
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1800
DISTANCE FROM	THLD	TO 1500FT POINT	4.65
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.22
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	179.76
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	1800

THRESHOLD COORDINATES (IF STR-IN)

322541.10N/0994105.71W

ARP COORDINATES

322440.80N/0994054.80W

RUNWAY APCH END AND DIST FURTHEST FROM ARP

RUNWAY 35R DISTANCE 1.40 NM

FAF COORDINATES

323020.80N/0994107.10W

FIX NAME COORDINATES

REMARKS

PART E: PREPARED BY

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
ARTHUR ULVESTAD	AJV-A422	01/09/2026	AERONAUTICAL INFORMATION SPECIALIST