

**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>
GRK	ILS OR LOC RWY 15	7C	FORT HOOD (KILLEEN)	TX	1015	I-GRK

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM GRK VOR/DME **TO** NABCI INT/GRK VOR/DME 8.77 DME

<u>RNP</u>	<u>DISTANCE</u> 8.77	<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 (48-002016)	310800.20N/0975418.70W	1614	100	20	3C	1000				AT1386	4000
TERRAIN	310657.00N/0975600.00W	1277 (1300)								AS1500	2800

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL

FROM AGJ VORTAC **TO** OKEST INT/GRK VOR/DME 14.92 DME

<u>RNP</u>	<u>DISTANCE</u> 12.13	<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>
AAO	311609.00N/0980415.00W	1608	164	98	4E	1000				AT392	3000
TERRAIN	311609.00N/0980415.00W	1408 (1400)								AS1500	2900

COMPUTATIONS

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

SEGMENT REMARKS:

QUALITY
10
CHECKED

INTERMEDIATE

FROM

OKEST INT/GRK VOR/DME 14.92 DME

TO

NABCI INT/GRK VOR/DME 8.77 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
	6.15										
<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	311400.00N/0975924.00W	1332	164	98	4E	500				AC98 AT970	2900
TERRAIN	311400.00N/0975924.00W	1132 (1100)								AS1500	2600

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

NABCI INT/GRK VOR/DME 8.77 DME

<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	311742.00N/0980118.00W	1359	164	98	4E	500				AC98 AT943	2900
TERRAIN	311742.00N/0980118.00W	1159 (1200)								AS1500	2700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: ILS

FROM

NABCI INT/GRK VOR/DME 8.77 DME

TO

RW15

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
	5.75		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				1215

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LOC

FROM

NABCI INT/GRK VOR/DME 8.77 DME

TO

HOLOD/GRK VOR/DME 4.52 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
	4.25				505						
<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	310753.60N/0975154.00W	1259	50	20	2C	250					1520

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LOC STEPDOWN

FROM

HOLOD/GRK VOR/DME 4.52 DME

TO

5.75 NM AFTER NABCI INT/GRK VOR/DME 8.77 DME OR AT GRK VOR/DME 3.02 DME

RNP

DISTANCE

PAT

MAP

HAT

HMAS

1.50

5.75 NM AFTER NABCI
INT/GRK VOR/DME 8.77 DME
OR AT GRK VOR/DME 3.02
DME

365

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE (48-038118)	310516.94N/0975031.66W	1080	20	3	1A	250				MA35	1380

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

PROCEDURE TURN

FROM

NABCI INT/GRK VOR/DME 8.77 DME

TO

10 NM

RNP

DISTANCE

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	312200.00N/0980727.00W	1664	164	98	4E	1000					2700
TERRAIN	312200.00N/0980727.00W	1464 (1500)								AS1500	3000

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

AGJ VORTAC

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
							1048				
<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				3000
TOWER (48-002016)	310800.20N/0975418.70W	1614	100	20	3C	1000					2700
TERRAIN	311448.00N/0980309.00W	1401 (1400)								AS1500	2900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LOC

FROM

TO

AGJ VORTAC

<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>
							ASC				3000
TOWER (48-002016)	310800.20N/0975418.70W	1614	100	20	3C	1000					2700
TERRAIN	311448.00N/0980309.00W	1401 (1400)								AS1500	2900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSSED APPROACH: LOC

FROM

5.75 NM AFTER NABCI INT/GRK VOR/DME 8.77 DME OR AT GRK VOR/DME 3.02 DME

TO

AGJ VORTAC

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u> 1130			
<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>
ATCT (48-014298)	310423.45N/0975014.43W	1176	50	20	2C		ASC				3000
TOWER (48-002016)	310800.20N/0975418.70W	1614	100	20	3C	1000					2700
TERRAIN	311448.00N/0980309.00W	1401 (1400)								AS1500	2900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSSED APPROACH ALTERNATE: ILS

FROM

DA

TO

REDDA INT/CWK VORTAC 32.15 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u> 1048			
<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				3500
TOWER (48-001922)	305909.00N/0973753.00W	2049	250	50	4D	1000					3100
TERRAIN	310354.00N/0974927.00W	1142 (1100)								AS1500	2600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH ALTERNATE: LOC

FROM

TO

REDDA INT/CWK VORTAC 32.15 DME

<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>
							ASC				3500
TOWER (48-001922)	305909.00N/0973753.00W	2049	250	50	4D	1000					3100
TERRAIN	310354.00N/0974927.00W	1142 (1100)								AS1500	2600

COMPUTATIONS

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

SEGMENT REMARKS:

MISSED APPROACH ALTERNATE: LOC

FROM

5.75 NM AFTER NABCI INT/GRK VOR/DME 8.77 DME OR AT GRK VOR/DME 3.02 DME

TO

REDDA INT/CWK VORTAC 32.15 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u> 1130			
<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				3500
TOWER (48-001922)	305909.00N/0973753.00W	2049	250	50	4D	1000					3100
TERRAIN	310354.00N/0974927.00W	1142 (1100)								AS1500	2600

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											
TOWER (48-014301)	310431.79N/0974923.06W	1.30	525/525	1215	50	20	2C	300		XP25	1540/1540
CATEGORY B											
TOWER (48-014301)	310431.79N/0974923.06W	1.84	525/525	1215	50	20	2C	300		XP25	1540/1540
CATEGORY C											
TOWER (48-014301)	310431.79N/0974923.06W	2.90	545/545	1215	50	20	2C	300		XP45	1560/1560
CATEGORY D											
AAO	310233.20N/0974508.00W	3.78	605/605	1319	50	20	2C	300			1620/1620
CATEGORY E											
AAO	310233.20N/0974508.00W	4.73	725/725	1319	50	20	2C	300		XP121	1740/1740

CIRCLING REMARKS:

XP25 - RETAIN PUBLISHED CAT A CMDA. XP25 - RETAIN PUBLISHED CAT B CMDA. XP45 - RETAIN PUBLISHED CAT C CMDA. XP121 - RETAIN PUBLISHED CAT E CMDA.

MSA

CENTER

GRK VOR/DME

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
180-360	TWR (48-005422)	304334.30N/0975925.40W	199	20.5	3097	250	50	4D	1000			4100
360-180	TWR (48-001922)	305909.00N/0973753.00W	100	9.8	2049	250	50	4D	1000			3100

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

GRK APP CON, GRK TOWER

WX SERVICE FSS	LOCATION GRK	HRS OPERATION 24	ALTIMETER SOURCE GRK	DISTANCE	WMSCR Y	ADJUSTMENTS 0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS

WX REMARKS:

BACKUP ALTIMETER SOURCE NOT UTILIZED. KGRK HAS REDUNDANT WEATHER SOURCING.



PRIMARY NAVAID

I-GRK

MONITOR POINT

GRK ATCT

HRS OPERATION

24

CAT

1

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
01H	BSC-F	
02H	BSC-F	
03H	BSC-F	
RW15 - MALSR, HIRL, PAPI-4L	PIR-G	APPROACH
RW33 - MALSR, HIRL, PAPI-4L	PIR-G	ROLL OUT

GLIDESLOPE ANGLE

3.00

ELEV RWY THRESHOLD

1015.2

TCH

53.3

ELEV GS ANTENNA

1005.8

DISTANCE FROM RWY

1051

VGSI ANGLE

3.00

TCH

53.4

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

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

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

PENETRATIONS REMARKS:



PART C: GENERAL REMARKS:

VDP NOT ESTABLISHED - FINAL FACILITY DOES NOT HAVE DME.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

50FT VEGETATION USED PER FPT.

CAT E PROCEDURE TURN NOT AUTHORIZED CARRIED OVER FROM PREVIOUS AMENDMENT.

ILS AND LOC INTERMEDIATE SEGMENTS HAVE THE SAME CONTROLLING OBSTACLES.

CIRCLING NA W OF RWY 15-33 TO AVOID TOWN OF COPPERAS COVE.

FLIGHT OPERATIONS DURING PERIODS OF SPECIAL USE AIRSPACE ACTIVITY COVERED BY LETTER OF AGREEMENT BETWEEN GRK APP CON AND R-6302 RANGE OFFICER. 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	3.55
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	0.99
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	157.34
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	1200
DISTANCE FROM	THLD	TO 1500FT POINT	5.35
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.37
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	157.34
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	1200

THRESHOLD COORDINATES (IF STR-IN)	310447.70N/0975006.27W
ARP COORDINATES	310402.10N/0974944.10W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 33 DISTANCE 0.82 NM
FAF COORDINATES	311006.83N/0975241.23W
FIX NAME COORDINATES	

REMARKS

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
CASIMIR L. TABAKA (SILVIA YOUNG)	AJV-A432	10/16/2025	AERONAUTICAL INFORMATION SPECIALIST

