

KBOS RNAV VISUAL 4L

Point Of Contact

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TARGETS Distribution Package

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Leg Table 1

Segment	Leg Type	Start	End	Turn Type	Glide Path End Alt	Min Obs./ ATC End Alt	Max End Alt	Turn Radius Comp Alt	Descent Grad	Climb Grad	End Spd	Turn Radius Comp Spd	RNP	Turn Dir
Initial 1	IF	WITTR	WITTR	FB	1608			1608.47	0.0			250.0	1.0	
Initial 1	TF	WITTR	SHMYT	FB	971			971.34				250.0	1.0	LEFT
Initial 2	IF	HOCCY	HOCCY	FB	2965			2965.23	0.0			250.0	1.0	
Initial 2	TF	HOCCY	FAMRR	FB	1683			1683.24				250.0	1.0	
Initial 2	TF	FAMRR	SHMYT	FB	971			971.34				250.0	1.0	LEFT
Intermediate	TF	SHMYT	LIZEE	FB	704			703.58				165.0	1.0	RIGHT
Final	TF	LIZEE	KBOS:RW04L:AER	FB	69			68.80				165.0	0.3	

Leg Table 2

Segment	Leg Type	Start	End	Turn Type	Leg Length (NMI)	Leg Length (FT)	Start Course Magnetic	End Course Magnetic	Course Change	RF/Flyby Leg Radius	RF/Flyby Turn Bank Angle	Tailwind	RF Leg Arc Center
Initial 1	IF	WITTR	WITTR	FB	0.00	0.00000							
Initial 1	TF	WITTR	SHMYT	FB	2.55	15485.25578	35.71	35.72	0.01		1.00	30.00	
Initial 2	IF	HOCCY	HOCCY	FB	0.00	0.00000							
Initial 2	TF	HOCCY	FAMRR	FB	5.13	31158.13670	59.90	59.95	0.04		1.00	30.00	
Initial 2	TF	FAMRR	SHMYT	FB	2.85	17302.44135	59.94	59.97	24.23	5.71	12.12	30.00	
Intermediate	TF	SHMYT	LIZEE	FB	1.07	6507.65844	35.70	35.71	0.03		1.00	30.00	
Final	TF	LIZEE	KBOS:RW04L:AER	FB	1.93	11720.68831	35.73	35.74					

Waypoint Data

DB	Waypoint	Latitude (Deg)	Longitude (Deg)	Latitude (Deg, Decimal Min)	Longitude (Deg, Decimal Min)	Latitude (D° M' S.ss")	Longitude (D° M' S.ss")
	FAMRR WP	N 42.2767250	W 71.0814750	N42 16.603	W71 4.888	N42 16 36.21	W071 04 53.31
	HOCCY WP	N 42.2151472	W 71.1613056	N42 12.909	W71 9.678	N42 12 54.53	W071 09 40.70
	LIZEE WP	N 42.3277167	W 71.0289778	N42 19.663	W71 1.739	N42 19 39.78	W071 01 44.32
	SHMYT WP	N 42.3109055	W 71.0370912	N42 18.654	W71 2.225	N42 18 39.26	W071 02 13.53
	WITTR WP	N 42.2709056	W 71.0564000	N42 16.254	W71 3.384	N42 16 15.26	W071 03 23.04

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PFAF

	LAT	LON
LTP/FTP	N42 21 28.76	W071 00 51.62
Runway True Bearing	19.73	
FAF Altitude	703.58	
LTP/FTP Elevation	13.80	
TCH	55.00	
Glidepath Angle	3.10	
GPI	1015.55	
FAF Distance From LTP/FTP	11720.69 Feet	
	1.93 NM	
	LAT	LON
PFAF	N42 19 39.78	W071 01 44.32

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Vertical Error Budget

RNP Value	0.30
LTP MSL Elevation	13.80
Distance (ft) LTP to PFAF	11720.69
MSL PFAF Altitude	703.58
Glidepath Angle	3.10
TCH	55.00
Delta ISA (dISA)	0.00
Semispan	131.00

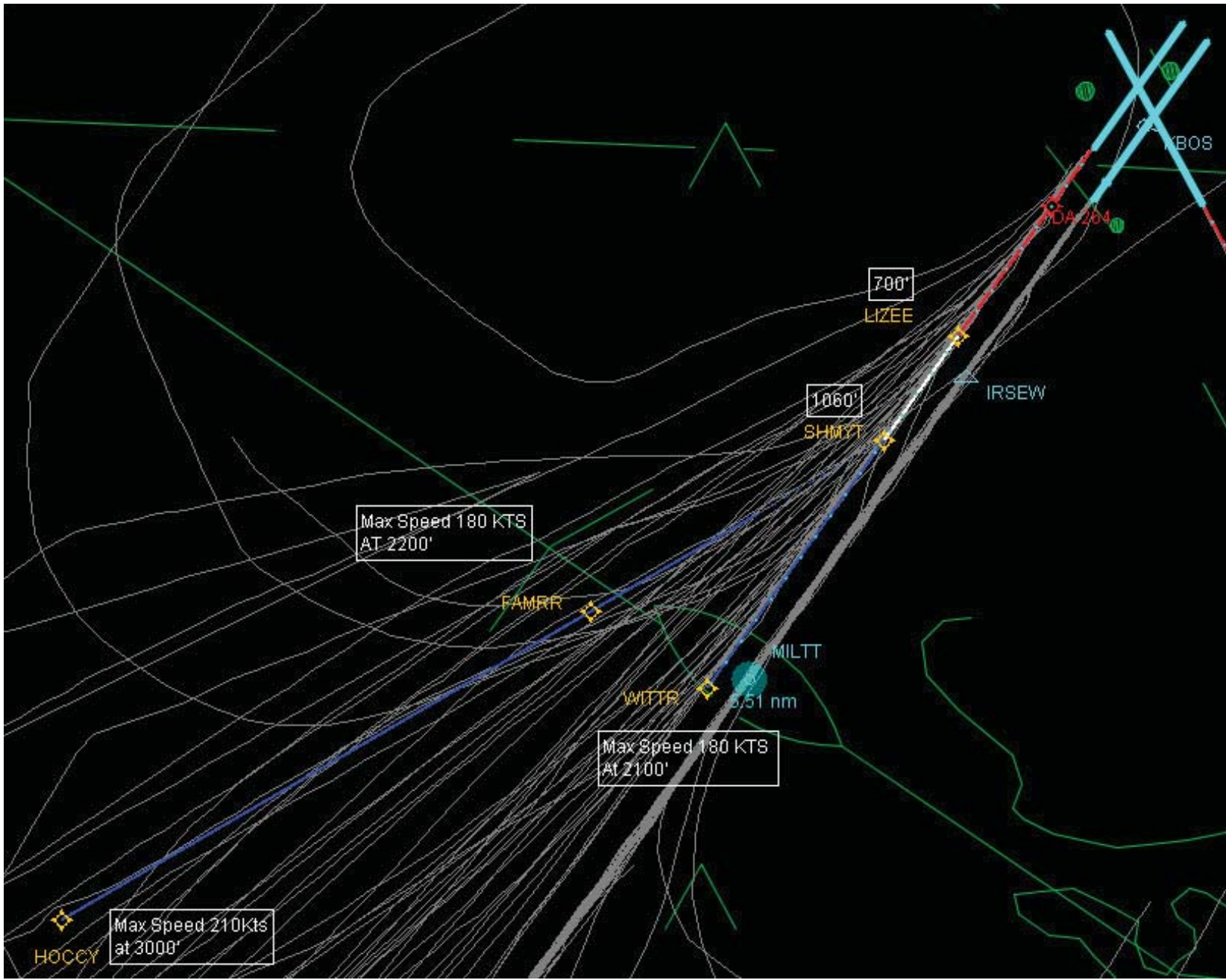
Max Glidepath Angle	3.50
PFAF Elevation	703.58
LTP Elevation	13.8
ACT	0.00

Min Glidepath Angle	3.22	
NA Below	14.97 (C)	58.95 (F)
NA Above	37.11 (C)	98.80 (F)

Dist (ft) LTP to OCS ORIGIN	3205.66
OCS Slope (run:rise)	18.52:1
VEB ROC @ PFAF	228.27

<i>Error Components</i>	(Enter Bank Angle, WPR, FTE, and ATIS values below)	@ 250 ft	@ PFAF
ISAD	$(dh \times dISA)/288 + dISA - 0.5 \times .00198 \times [dh+h]$	0.00	0.00
BG	25.00 semispan x sin (Bank Angle)	25.00	25.00
ANPE	$1.225 \times rnp \times \tan(a)$	120.93	120.93
VAE	$D \times (\tan(a) - \tan(a - .01))$ D=250/tan(a)	0.81	2.23
WPR	60.00 WPR x tan(a)	3.25	3.25
FTE	75.00	75.00	75.00
ASE	$-8.8 \times 10^{-8} \times (h + D \times \tan(a))^2 + 6.5 \times 10^{-3} \times (h + D \times \tan(a)) + 50$	51.71	54.53
ATIS	20.00	20.00	20.00

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Database Effective Dates

Database	Date
UddfObstacle	06/01/2007
NFDC	09/20/2012
IFP_OFFLINE	N/A
AVNIS	10/26/2012
DAFIF	09/28/2006
NACO	09/20/2012
DOF	09/20/2012

Notes:

Designed IAW 8260.55

FPA 3.1 degrees

Weather Requirements Visibility 5 Miles and Ceiling 3,000ft

CHARTS NOTES: 1. DME/DME/IRU or GPS required 2. Radar Required 3. FMS Glide Path 3.1 degrees 4. VGSI and RNAV GP not coincident

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