

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
GRAPHIC DEPARTURE PROCEDURE (DP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation.
 Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
HANSCOM	ONE	HNSCM1.BED	NINE	30 APR 2015	15 OCT 2015

TYPE: SID

DP ROUTE DESCRIPTION:

TAKEOFF ALL RUNWAYS: CLIMB HEADING AS ASSIGNED BY ATC, THENCE...

...EXPECT RADAR VECTORS TO ASSIGNED ROUTE/NAVAID/FIX. MAINTAIN 2000. EXPECT CLEARANCE TO FILED ALTITUDE/FLIGHT LEVEL WITH TEN (10) MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

NOTE: RADAR REQUIRED.

NOTE: NON RNAV EQUIPPED AIRCRAFT CAN EXPECT VECTORS ON ASSIGNED ROUTE.

NOTE: BLZZR DEPARTURES EXPECT VECTORS ON BOS R-273, DME REQUIRED.

NOTE: BRUWN DEPARTURES EXPECT VECTORS ON BOS R-159, DME REQUIRED.

NOTE: CELTK DEPARTURES EXPECT VECTORS ON BOS R-114.

NOTE: HYLND DEPARTURES EXPECT VECTORS ON BOS R-350.

NOTE: PATSS DEPARTURES EXPECT VECTORS ON BOS R-260, DME REQUIRED.

NOTE: REVSS DEPARTURES EXPECT VECTORS ON BOS R-285, DME REQUIRED.

NOTE: SSOXS DEPARTURES EXPECT VECTORS ON BOS R-177.

TAKEOFF MINIMUMS:

RWY 5, 29, STANDARD.

RWY 11, 300-1 1/4 OR STANDARD WITH A MINIMUM CLIMB OF 251 FT PER NM TO 400, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NOT LATER THAN 2100 FT PRIOR TO DER.

RWY 23, 300-2 OR STANDARD WITH A MINIMUM CLIMB OF 426 FT PER NM TO 500.



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TAKEOFF OBSTACLES NOTES:

NOTE: RWY 5, TREES, FENCE, BUSH, AND VEGETATION BEGINNING 44 FT FROM DER, 84 FT LEFT AND 113 FT RIGHT OF CENTERLINE, UP TO 39 FT AGL/171 FT MSL. TREES AND POLES BEGINNING 1153 FT FROM DER, 11 FT LEFT AND 117 FT RIGHT OF CENTERLINE, UP TO 71 FT AGL/221 FT MSL. TREES BEGINNING 2528 FT FROM DER, 9 FT LEFT AND 2 FT RIGHT OF CENTERLINE, UP TO 91 FT AGL/235 FT MSL.

NOTE: RWY 11, SIGN 81 FT FROM DER, 237 FT RIGHT OF CENTERLINE, 14 FT AGL/126 FT MSL. TREES BEGINNING 1431 FT FROM DER, 684 FT RIGHT OF CENTERLINE, UP TO 53 FT AGL/181 FT MSL. TREES BEGINNING 1875 FT FROM DER, 99 FT LEFT AND 457 FT RIGHT OF CENTERLINE, UP TO 73 FT AGL/231 FT MSL. TOWER 5028 FT FROM DER, 1681 FT LEFT OF CENTERLINE, 155 FT AGL/285 FT MSL.

NOTE: RWY 23, SIGN 2 FT FROM DER, 303 FT RIGHT OF CENTERLINE, 6 FT AGL/133 FT MSL. VEHICLE ON ROAD 534 FT FROM DER, FROM 293 FT RIGHT TO 3 FT RIGHT OF CENTERLINE, UP TO 15 FT AGL/167 FT MSL. BUILDING 614 FT FROM DER, 620 FT LEFT OF CENTERLINE, 23 FT AGL/151 FT MSL. TREES AND POLE BEGINNING 855 FT FROM DER, 379 FT LEFT AND 337 FT RIGHT OF CENTERLINE, UP TO 38 FT AGL/180 FT MSL. TREES BEGINNING 1090 FT FROM DER, 558 FT LEFT AND 263 FT RIGHT OF CENTERLINE, UP TO 48 FT AGL/232 FT MSL. TREES AND BUILDING BEGINNING 1588 FT FROM DER, 88 FT LEFT AND 138 FT RIGHT OF CENTERLINE, UP TO 95 FT AGL/259 FT MSL. TREES BEGINNING 2149 FT FROM DER, 524 FT LEFT AND 213 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/286 FT MSL. TREES, BLDGS, AND TOWER BEGINNING 3721 FT FROM DER, 48 FT LEFT AND 4 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/379 FT MSL.

NOTE: RWY 29, SIGN 13 FT FROM DER, 273 FT RIGHT OF CENTERLINE, 24 FT AGL/135 FT MSL. TREE 391 FT FROM DER, 487 FT LEFT OF CENTERLINE, 20 FT AGL/153 FT MSL. POLES AND TREES BEGINNING 1109 FT FROM DER, 734 FT LEFT AND 49 FT RIGHT OF CENTERLINE, UP TO 106 FT AGL/243 FT MSL. TREES BEGINNING 3007 FT FROM DER, 6 FT LEFT AND 49 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/246 FT MSL.

CONTROLLING OBSTACLES:

RWY 11: 285 FT MSL TOWER 422820.28N/0711519.06W.

RWY 23: 283 FT MSL TREE 422719.05N/0711758.98W (CLIMB GRADIENT). 366 FT MSL TREE 422631.693/0711858.58W (VISIBILITY). 379 FT MSL TREE 422633.52N/0711848.89W (CEILING).

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

CHART: BOS R-273/35.3 DME AT BLZZR.

CHART: BOS R-159/56.6 DME AT BRUWN.

CHART: BOS R-114/39.8 DME AND LFV R-005/15.2 DME AT CELTK.

CHART: BOS R-350/28.4 DME AND PSM R-243/26.7 DME AT HYLND.

CHART: BOS R-260/36.0 DME AT PATSS.

CHART: BOS R-285/36.5 DME AT REVSS.

CHART: BOS R-177/33.1 DME AND PVD R-091/31.4 DME AT SSOXS.

CHART: BOS R-048/31.3 DME AT LBSTA.

CHART: BOS R-192/24.2 DME AND SEY R-046/55.0 DME AT BURDY.

CHART: TOP ALTITUDE: 2000.

REFERENCE MAGVAR: KBED 16W EPOCH YR: 1995.



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AIRPORTS SERVED:

LAURENCE G HANSCOM FLD

BEDFORD, MA

COMMUNICATIONS:

ATIS, CLEARANCE DELIVERY, GROUND CONTROL, TOWER, DEPARTURE CONTROL

FIXES AND/OR NAVAIDS:

ACK VOR/DME BAF VORTAC, BOS VOR/DME, CAM VOR/DME, CMK VOR/DME, CTR VOR/DME, ENE VORTAC, LFV VOR/DME, MHT VOR/DME, MVY VOR/DME, PSM VOR/DME, PVD VORTAC, SEY VOR/DME, SYR VORTAC, BLZZR, BOSOX, BRUWN, BURDY, BUZRD, CELTK, DUNKK, FREDO, FRILL, GLYDE, HANAA, HYLND, LBSTA, NELIE, PATSS, REVSS, SSOXS.

REMARKS:**CHANGES:**

1. CHANGED CHART: TOP ALTITUDE FROM ASSIGNED BY ATC ENTRY TO 2000.

REASONS:

2. CHANGED TO MATCH ORIGINAL TOP ALTITUDE ASSIGNMENT.



DEPARTURE (DATA RECORD)

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ARINC SUMMARY - KBED

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
RW05	010		VM	FB		053.1								E
RW11	010		VM	FB		113.1								E
RW23	010		VM	FB		233.1								E
RW29	010		VM	FB		293.1								E
ACK	010	KBED	IF	FB										A
ACK	020	ACK	DF	FB										VE
BAF	010	KBED	IF	FB										A
BAF	020	BAF	DF	FB										VE
BLZZR	010	KBED	IF	FB										A
BLZZR	020	BLZZR	DF	FB										EE
BOS	010	KBED	IF	FB										A
BOS	020	BOS	DF	FB										VE
BOSOX	010	KBED	IF	FB										A
BOSOX	020	BOSOX	DF	FB										EE
BRUWN	010	KBED	IF	FB										A
BRUWN	020	BRUWN	DF	FB										EE
BURDY	010	KBED	IF	FB										A
BURDY	020	BURDY	DF	FB										EE
BUZRD	010	KBED	IF	FB										A
BUZRD	020	BUZRD	DF	FB										EE
CAM	010	KBED	IF	FB										A
CAM	020	CAM	DF	FB										VE
CELTK	010	KBED	IF	FB										A
CELTK	020	CELTK	DF	FB										EE
CMK	010	KBED	IF	FB										A
CMK	020	CMK	DF	FB										VE
CTR	010	KBED	IF	FB										A
CTR	020	CTR	DF	FB										VE
DUNKK	010	KBED	IF	FB										A
DUNKK	020	DUNKK	DF	FB										EE
ENE	010	KBED	IF	FB										A
ENE	020	ENE	DF	FB										VE
FREDO	010	KBED	IF	FB										A
FREDO	020	FREDO	DF	FB										EE
FRILL	010	KBED	IF	FB										A
FRILL	020	FRILL	DF	FB										EE
GLYDE	010	KBED	IF	FB										A
GLYDE	020	GLYDE	DF	FB										EE



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HANAA	010	KBED	IF	FB	A
HANAA	020	HANAA	DF	FB	EE
HYLND	010	KBED	IF	FB	A
HYLND	020	HYLND	DF	FB	EE
LBSTA	010	KBED	IF	FB	A
LBSTA	020	LBSTA	DF	FB	EE
LFV	010	KBED	IF	FB	A
LFV	020	LFV	DF	FB	VE
MHT	010	KBED	IF	FB	A
MHT	020	MHT	DF	FB	VE
MVY	010	KBED	IF	FB	A
MVY	020	MVY	DF	FB	VE
NELIE	010	KBED	IF	FB	A
NELIE	020	NELIE	DF	FB	EE
PATSS	010	KBED	IF	FB	A
PATSS	020	PATSS	DF	FB	EE
PSM	010	KBED	IF	FB	A
PSM	020	PSM	DF	FB	VE
PVD	010	KBED	IF	FB	A
PVD	020	PVD	DF	FB	VE
REVSS	010	KBED	IF	FB	A
REVSS	020	REVSS	DF	FB	EE
SEY	010	KBED	IF	FB	A
SEY	020	SEY	DF	FB	VE
SSOXS	010	KBED	IF	FB	A
SSOXS	020	SSOXS	DF	FB	EE
SYR	010	KBED	IF	FB	A
SYR	020	SYR	DF	FB	VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ACK	N411654.79	W0700136.16
BAF	N420943.05	W0724258.32
BOS	N422126.82	W0705922.37
CAM	N425939.44	W0732038.47
CMK	N411648.32	W0733452.77
CTR	N421728.75	W0725657.82
ENE	N432532.42	W0703648.69
LFV	N420101.88	W0700214.04
MHT	N425206.71	W0712210.32
MVY	N412346.35	W0703645.77
PSM	N430504.06	W0704955.15
PVD	N414327.64	W0712546.70
SEY	N411002.77	W0713433.91
SYR	N430937.87	W0761216.41



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BLZZR	N421302.39	W0714536.59
BOSOX	N421206.79	W0713739.64
BRUWN	N413609.68	W0701345.81
BURDY	N415719.14	W0705707.45
BUZRD	N413245.88	W0705750.69
CELTk	N421559.05	W0700612.33
DUNKK	N420454.15	W0703922.83
FREDO	N415420.42	W0703456.04
FRILL	N421347.53	W0694928.72
GLYDE	N421603.84	W0714842.76
HANAA	N431152.06	W0733646.17
HYLND	N424651.12	W0711631.08
LBSTA	N424800.00	W0703648.70
NELIE	N415627.64	W0724118.88
PATSS	N420520.66	W0714239.03
REVSS	N422043.57	W0714837.07
SSOXS	N415012.62	W0704446.26

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION
RW05	N422748.37	W0711748.73	00128
RW11	N422818.57	W0711801.23	00132
RW23	N422828.59	W0711707.59	00128
RW29	N422809.97	W0711628.42	00123

