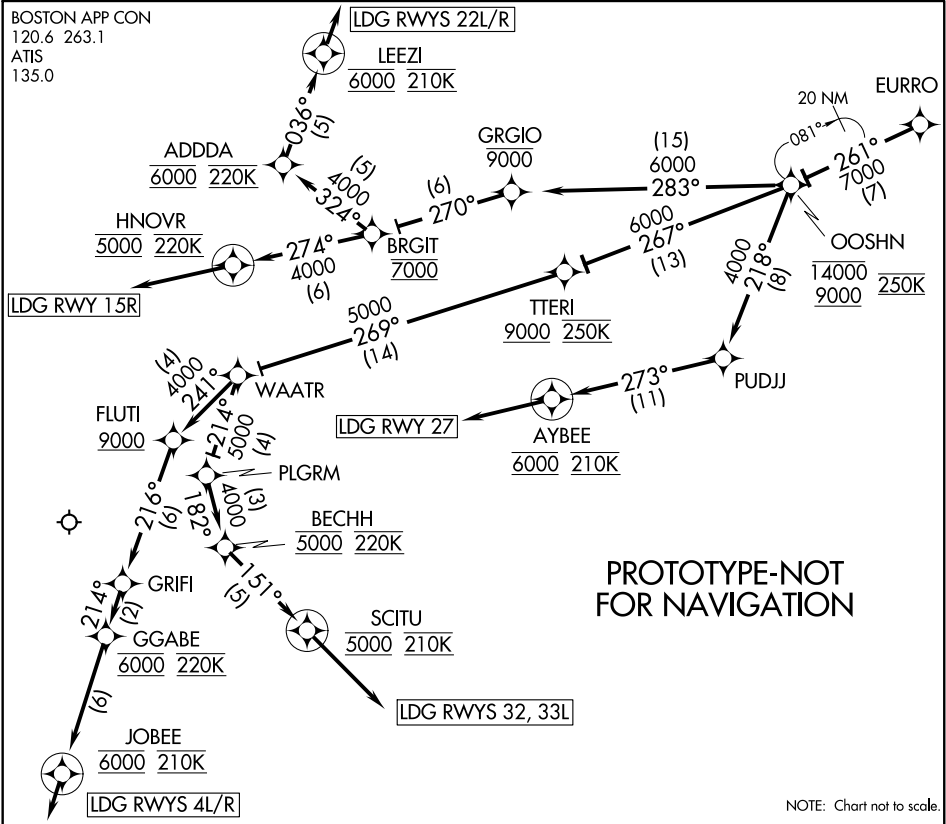




ARRIVAL ROUTE DESCRIPTION

From over EURO on track 261° to cross OOSH3 between 9000 and 14000 and at 250K.

Landing Rws 4L/R: From OOSH3 on track 267° to cross TTER1 at or above 9000 and at 250K, then on track 269° to WAATR, then on track 241° to cross FLUTI at or above 9000, then on track 216° to GRIFI, then on track 214° to cross GGABE at 6000 and at 220K, then on track 214° to cross JOBEE at 6000 and at 210K, then on track 214°. Expect radar vectors to final approach course.

Landing Rwy 15R: From OOSH3 on track 283° cross GRGIO at or below 9000, then on track 270° to cross BRGIT at 7000, then on track 274° to cross HNOVR at 5000 and at 220K, then on track 274°. Expect radar vectors to final approach course.

Landing Rws 22L/R: From OOSH3 on track 283° to cross GRGIO at or below 9000, then on track 270° to cross BRGIT at 7000, then on track 324° to cross ADDDA at 6000 and at 220K, then on track 036° to cross LEEZI at 6000 and at 210K, then on track 036°. Expect radar vectors to final approach course.

Landing Rwy 27: From OOSH3 on track 218° to PUDJJ, then on track 273° to cross AYBEE at 6000 and at 210K, then on track 273°. Expect radar vectors to final approach course.

Landing Rws 32, 33L: From OOSH3 on track 267° to cross TTER1 at or above 9000 at at 250K, then on track 269° to WAATR, then on track 214° to PLGRM, then on track 182° to cross BECHH at 5000 and at 220K, then on track 151° to cross SCITU at 5000 and at 210K, then on track 151°. Expect radar vectors to final approach course.

US DEPARTMENT of TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

STANDARD TERMINAL ARRIVAL (STAR)

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet. MSL. Altitudes are minimum altitudes unless otherwise indicated.

Distances are in nautical miles (NM). Graphic depiction attached.

Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
OOSHN (RNAV)	THREE	EURRO.OOSHN3	TWO	20 SEP 2012	

FROM EURRO ON TRACK 261.10/7.00 TO CROSS OOSHN BETWEEN 9000 AND 14000 AND AT 250KIAS (MEA 7000).

LANDING RWYs 4L, 4R FROM OOSHN ON TRACK 267.18/13.31 TO CROSS TTERI AT OR ABOVE 9000 AND AT 250 KIAS (MEA 6000), THEN ON TRACK 268.75/14.43 TO WAATR (MEA 5000), THEN ON TRACK 240.94/3.84 TO CROSS FLUTI AT OR ABOVE 9000 (MEA 4000), THEN ON TRACK 215.59/6.41 TO GRIFI (MEA 4000), THEN ON TRACK 213.83/2.33 TO CROSS GGABE AT 6000 AND AT 220 KIAS (MEA 4000), THEN ON TRACK 213.68/6.07 TO CROSS JOBEE AT 6000 AND AT 210 KIAS (MEA 4000), THEN ON TRACK 213.68. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 15R: FROM OOSHN ON TRACK 282.50/14.83 TO CROSS GRGIO AT OR BELOW 9000 (MEA 6000), THEN ON TRACK 269.60/6.14 TO CROSS BRGIT AT 7000 (MEA 6000), THEN ON TRACK 273.59/6.00 TO CROSS HNOVR AT 5000 AND AT 220 KIAS (MEA 4000), THEN ON TRACK 273.59. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWYs 22L, 22R,: FROM OOSHN ON TRACK 282.50/14.83 TO CROSS GRGIO AT OR BELOW 9000 (MEA 6000). THEN ON TRACK 269.60/6.14 TO CROSS BRGIT AT 7000 (MEA 6000), THEN ON TRACK 324.04/4.74 TO CROSS ADDDA AT 6000 AND AT 220 KIAS (MEA 4000), THEN ON TRACK 036.01/5.00 TO CROSS LEEZI AT 6000 AND AT 210 KIAS (MEA 4000), THEN ON TRACK 036.01. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 27: FROM OOSHN ON TRACK 217.82/7.84 TO PUDJJ (MEA 4000), THEN ON TRACK 273.04/10.53 TO CROSS AYBEE AT 6000 AND AT 210 KIAS (MEA 4000), THEN ON TRACK 273.04. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWYs 32, 33L: FROM OOSHN ON TRACK 267.18/13.31 TO CROSS TTERI AT OR ABOVE 9000 AND AT 250 KIAS (MEA 6000), THEN ON TRACK 268.75/14.43 TO WAATR (MEA 5000), THEN ON TRACK 213.55/4.42 TO PLGRM (MEA 5000), THEN ON TRACK 181.58/3.14 TO CROSS BECHH AT 5000 AND AT 220 KIAS (MEA 4000), THEN ON TRACK 151.36/4.90 TO CROSS SCITU AT 5000 AND AT 210 KIAS (MEA 4000), THEN ON TRACK 151.36. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

PROCEDURAL DATA NOTES:

NOTE: RADAR REQUIRED.

NOTE: RNAV 1.

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: TURBOJET AIRCRAFT ONLY.

NOTE: MERIT, FEXXX, RIFLE, PROVI TRANSITIONS ARE ATC ASSIGNED.

FIXES AND/OR HOLDING PATTERNS:

CHART: HOLD NE OF ENE VOR/DME 224.00 INBOUND LT 20NM LEGS, HOLD NE OF AJJAY 218.00 INBOUND LT 20NM LEGS, HOLD EAST OF OOSHN 261.10 INBOUND 20NM LEGS, HOLD SOUTH OF FERNZ 360.00 INBOUND RT 20NM LEGS.

COMMUNICATIONS:

BOSTON APP CON, ATIS

AIRPORTS SERVED:

GENERAL EDWARD LAWRENCE LOGAN INTL, BOSTON, MA

LOST COMMUNICATIONS PROCEDURE:

REMARKS:

ENVIRONMENTAL REVIEW IAW 1050.1E ON FILE AT ATC FACILITY.

MOCA'S NOT DEPICTED AT ATC REQUEST.

ADDITIONAL FLIGHT DATA:

CHART AT JOBEE TERMINUS: LDG RWYS 4L/R

CHART AT SCITU TERMINUS: LDG RWYS 32, 33L

CHART AT AYBEE TERMINUS: LDG RWY 27

CHART AT HNOVR TERMINUS: LDG RWY 15R

CHART AT LEEZI TERMINUS: LDG RWYS 22L/R

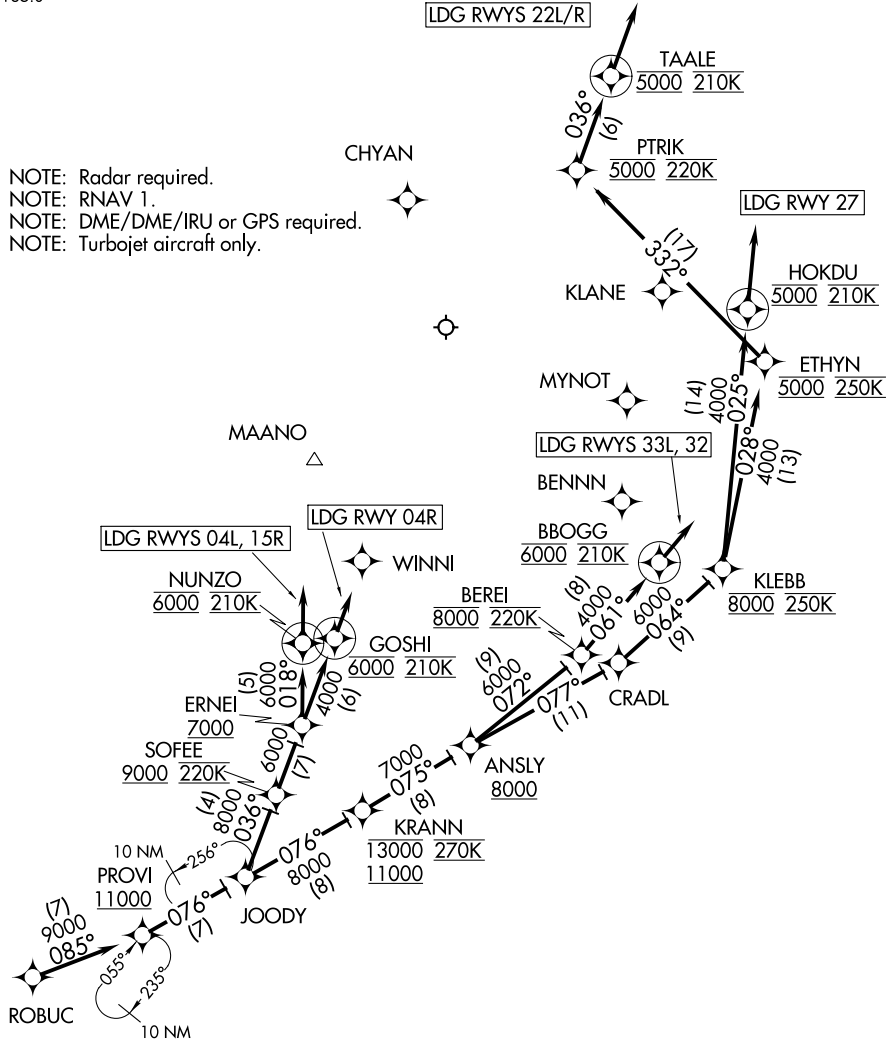
DME/DME ASSESSMENT: SAT (RNP 2.0).

REFERENCE MAGNETIC VARIATION = KBOS 16W/1995

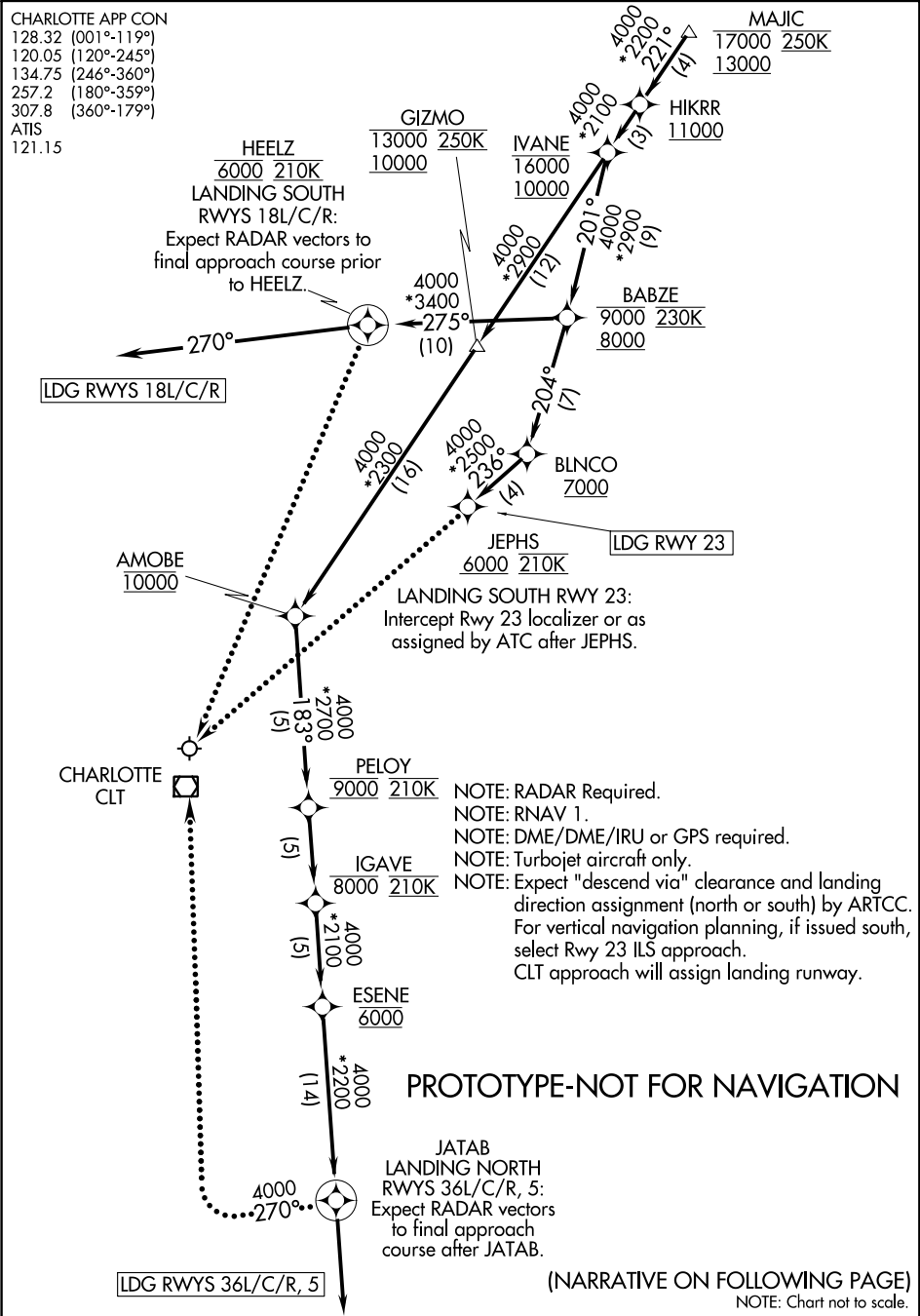
BOSTON APP CON
120.6 263.1
ATIS
135.0

PROTOTYPE-NOT FOR NAVIGATION

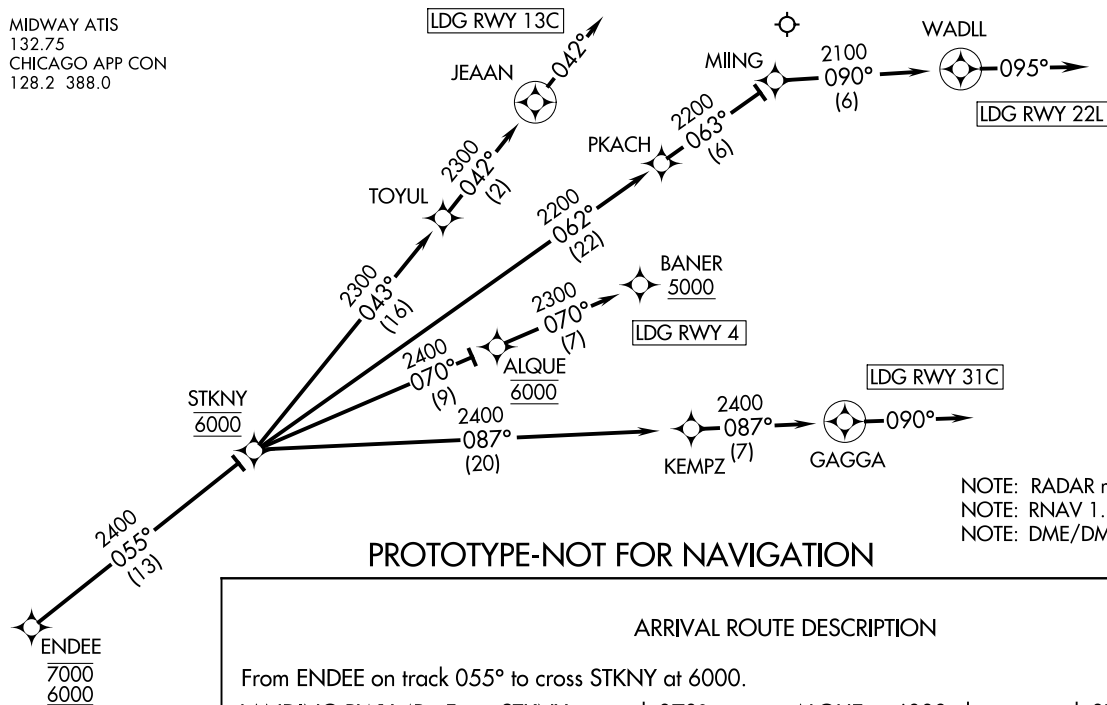
- NOTE: Radar required.
NOTE: RNAV 1.
NOTE: DME/DME/IRU or GPS required.
NOTE: Turbojet aircraft only.



NOTE: Chart not to scale. (NARRATIVE ON FOLLOWING PAGE)



MIDWAY ATIS
132.75
CHICAGO APP CON
128.2 388.0



PROTOTYPE-NOT FOR NAVIGATION

ARRIVAL ROUTE DESCRIPTION

From ENDEE on track 055° to cross STKNY at 6000.

LANDING RWY 4R: From STKNY on track 070° to cross ALQUE at 6000, then on track 070° to cross BANER at or above 5000, then on assigned instrument approach procedure or RADAR vectors to final approach course.

LANDING RWY 13C: From STKNY on track 043° to TOYUL, then on track 042° to JEAAN, then on track 042°. Expect RADAR vectors to final approach course.

LANDING RWY 22L: From STKNY on track 062° to PKACH, then on track 063° to MIING, then on track 090° to WADLL, then on track 095°. Expect RADAR vectors to final approach course.

LANDING RWY 31C: From STKNY on track 087° to KEMPZ, then on track 087° to GAGGA, then on track 090°. Expect RADAR vectors to final approach course.

NOTE: Chart not to scale.

NOTE: RADAR required.
NOTE: RNAV 1.
NOTE: DME/DME/IRU or GPS required.

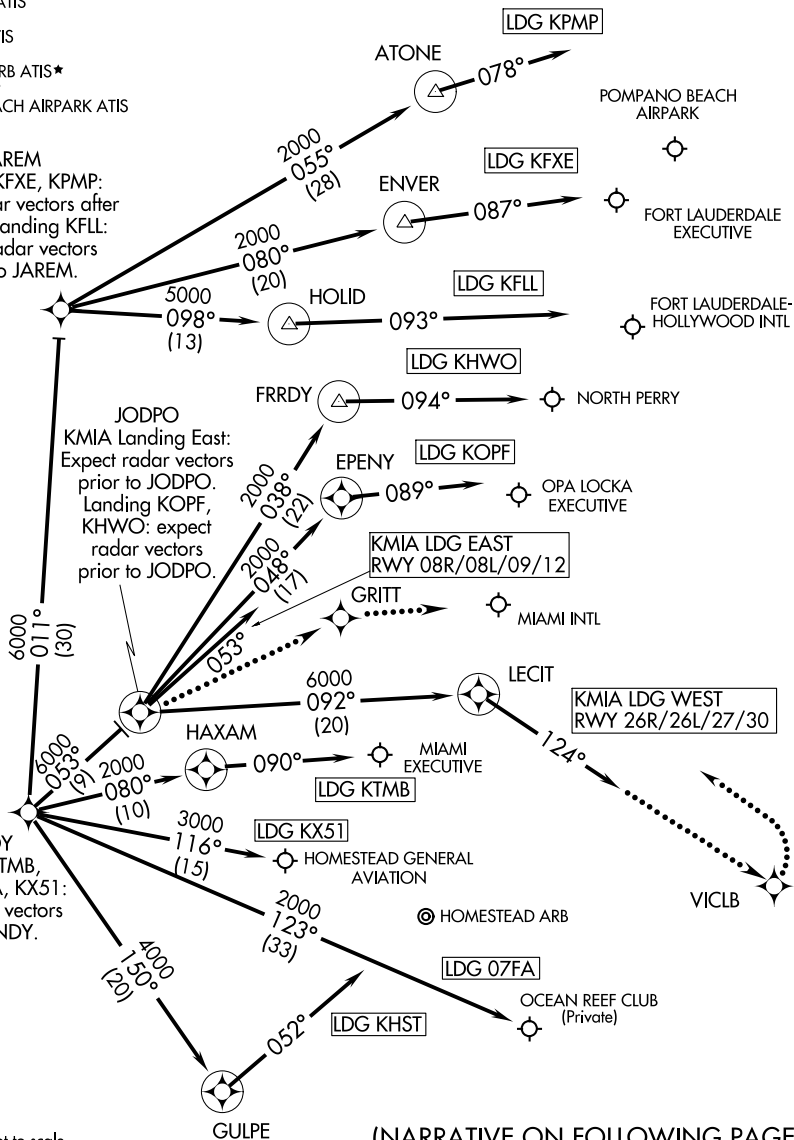
MIAMI APP CON
124.85 322.3
MIAMI INTL ATIS
119.15
FORT LAUDERDALE-HOLLYWOOD INTL ATIS
135.0
FORT LAUDERDALE EXECUTIVE ATIS
119.85
MIAMI EXECUTIVE ATIS
124.0
NORTH PERRY ATIS
135.475
OPA LOCKA ATIS
125.9
HOMESTEAD ARB ATIS★
132.275 269.9
POMPAHO BEACH AIRPARK ATIS
120.55

JAREM
Landing KFXE, KPMP:
Expect radar vectors after
JAREM. Landing KFLI:
Expect radar vectors
prior to JAREM.

JODPO
KMIA Landing East:
Expect radar vectors
prior to JODPO.
Landing KOPF,
KHWO: expect
radar vectors
prior to JODPO. //

MNNDY
Landing KTMB,
KHST, K07FA, KX51:
Expect radar vectors
after MNNDY.

PROTOTYPE-NOT FOR NAVIGATION

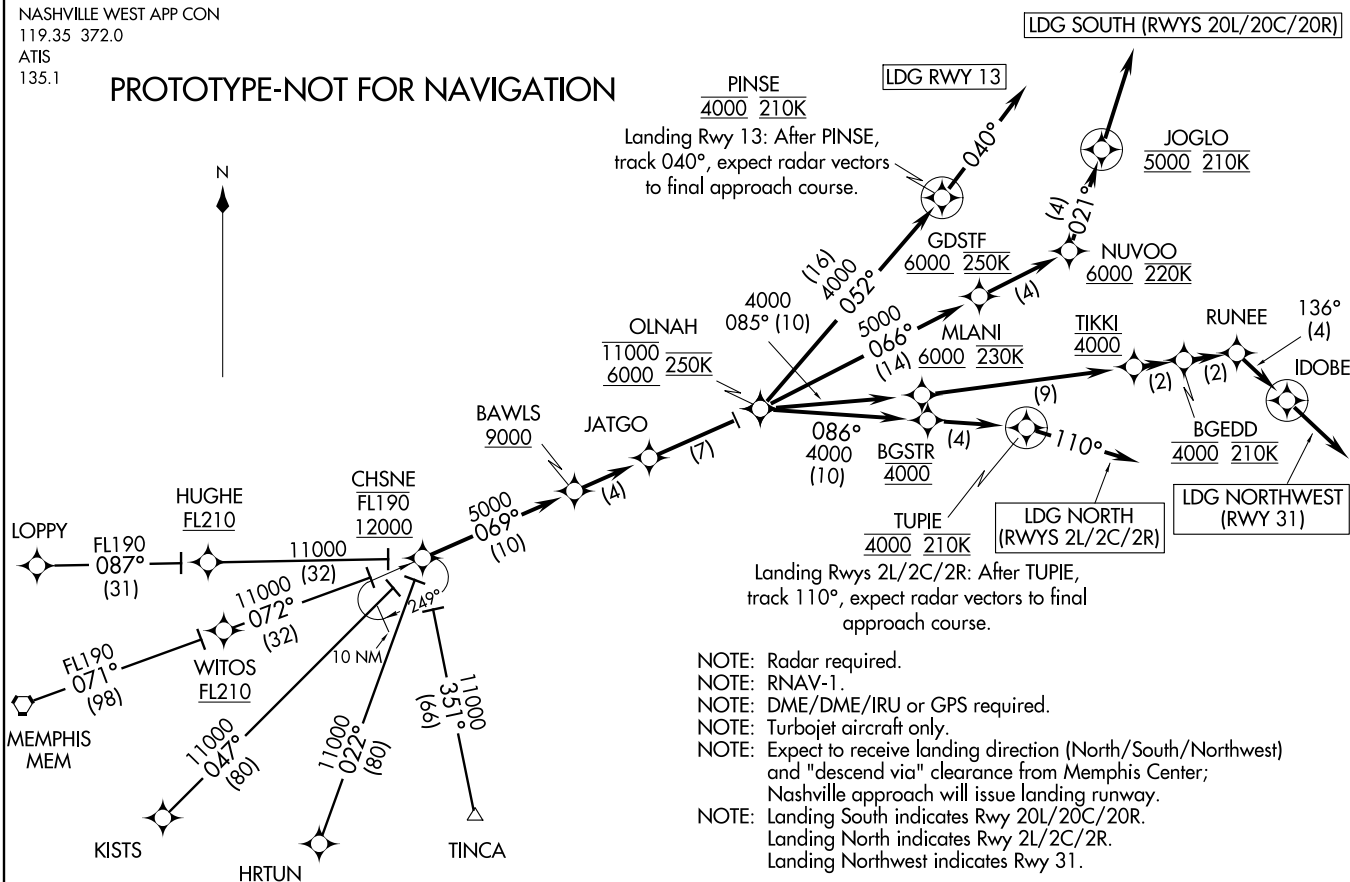


NOTE: Chart not to scale.

(NARRATIVE ON FOLLOWING PAGE)

NASHVILLE WEST APP CON
119.35 372.0
ATIS
135.1

PROTOTYPE-NOT FOR NAVIGATION



- NOTE: Radar required.
- NOTE: RNAV-1.
- NOTE: DME/DME/IRU or GPS required.
- NOTE: Turbojet aircraft only.
- NOTE: Expect to receive landing direction (North/South/Northwest) and "descend via" clearance from Memphis Center; Nashville approach will issue landing runway.
- NOTE: Landing South indicates Rwy 20L/20C/20R.
Landing North indicates Rwy 2L/2C/2R.
Landing Northwest indicates Rwy 31.

(NARRATIVE ON FOLLOWING PAGE)

NOTE: Chart not to scale.

(EAGUL.EAGUL6) 00000

EAGUL SIX ARRIVAL (RNAV) Arrival Routes

PHOENIX SKY HARBOR INTL (PHX)
PHOENIX, ARIZONA

PHOENIX APP CON
128.65 353.9
PHOENIX TOWER
118.7 278.8 (Rwy 8-26)
120.9 254.3 (Rwy 7L-25R, 7R-25L)
GND CON
119.75 269.2 (North)
132.55 269.2 (South)
ATIS
127.575

- NOTE: RADAR required.
- NOTE: RNAV 1.
- NOTE: DME/DME/IRU or GPS required.
- NOTE: Turbojet aircraft only.
- NOTE: LANDING EAST: For non-GPS equipped aircraft PXR and IWA DMEs must be operational.

LDG RWYS 7L, 7R, 8

OBASE
7000 210K

4000 258°
(3)
HINEY
7000 210K

5 NM
075°
255°
PHOENIX
PXR

6000 226°
(11)
QUENY
10000 210K

LDG RWY 25R

LDG RWY 26
JAGAL
4000

ZAMEX
4000

8000 226°
(9)
GEENO
12000 230K
11000

4500 203°
(7)
BASSL
6000

4000 228°
(3)
4000 220°
(4)
219°
(4)
4000
DERVL
5500 210K
4500

LDG RWY 25L

GIPSE
4000

BOHTX
14000
13000

6000 203°
(6)
ESDEE
10000 210K
8100

8100 204°
(11)
VNNOM
9400

8 NM
034°
214°
HOMRR
17000 250K

10 NM
035°
215°
EAGUL
FL180 260K



(NARRATIVE ON FOLLOWING PAGE)

PROTOTYPE-NOT FOR NAVIGATION

(EAGUL.EAGUL6) 00000

PHOENIX SKY HARBOR INTL (PHX)
PHOENIX, ARIZONA

(EAGUL.EAGUL6) 00000

ST-322 (FAA)

PHOENIX SKY HARBOR INTL (PHX)
PHOENIX, ARIZONA

ARRIVAL ROUTE DESCRIPTION

From HAWKZ on track 022° to LIINE.

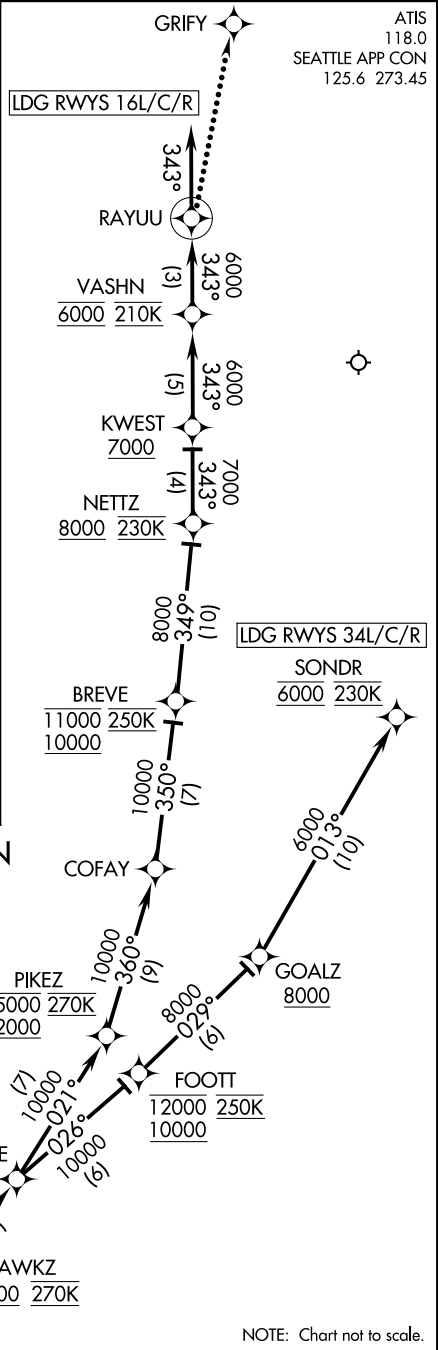
LANDING RUNWAYS 16L/C/R: From LIINE on track 021° to cross PIKEZ between 12000 and 15000 and at 270K, then on track 360° to COFAY, then on track 350° to cross BREVE between 10000 and 11000 and at 250K, then on track 349° to cross NETTZ at or above 8000 and at 230K, then on track 343° to cross KWEST at or above 7000, then on track 343° to cross VASHN at 6000 and at 210K, then on track 343° to RAYUU, then on track 343°.

LANDING RUNWAYS 34L/C/R: From LIINE on track 026° to cross FOOTT between 10000 and 12000 and at 250K, then on track 029° to cross GOALZ at or above 8000, then on track 013° to cross SONDR at 6000 and at 230K. Expect assigned instrument approach prior to SONDR.

LOST COMMUNICATIONS

LANDING RUNWAY 16: At RAYUU, proceed direct GRIFY and execute the ILS RWY 16R approach.

LANDING RUNWAY 34: At SONDR, execute the ILS RWY 34L approach.



PROTOTYPE-NOT FOR NAVIGATION

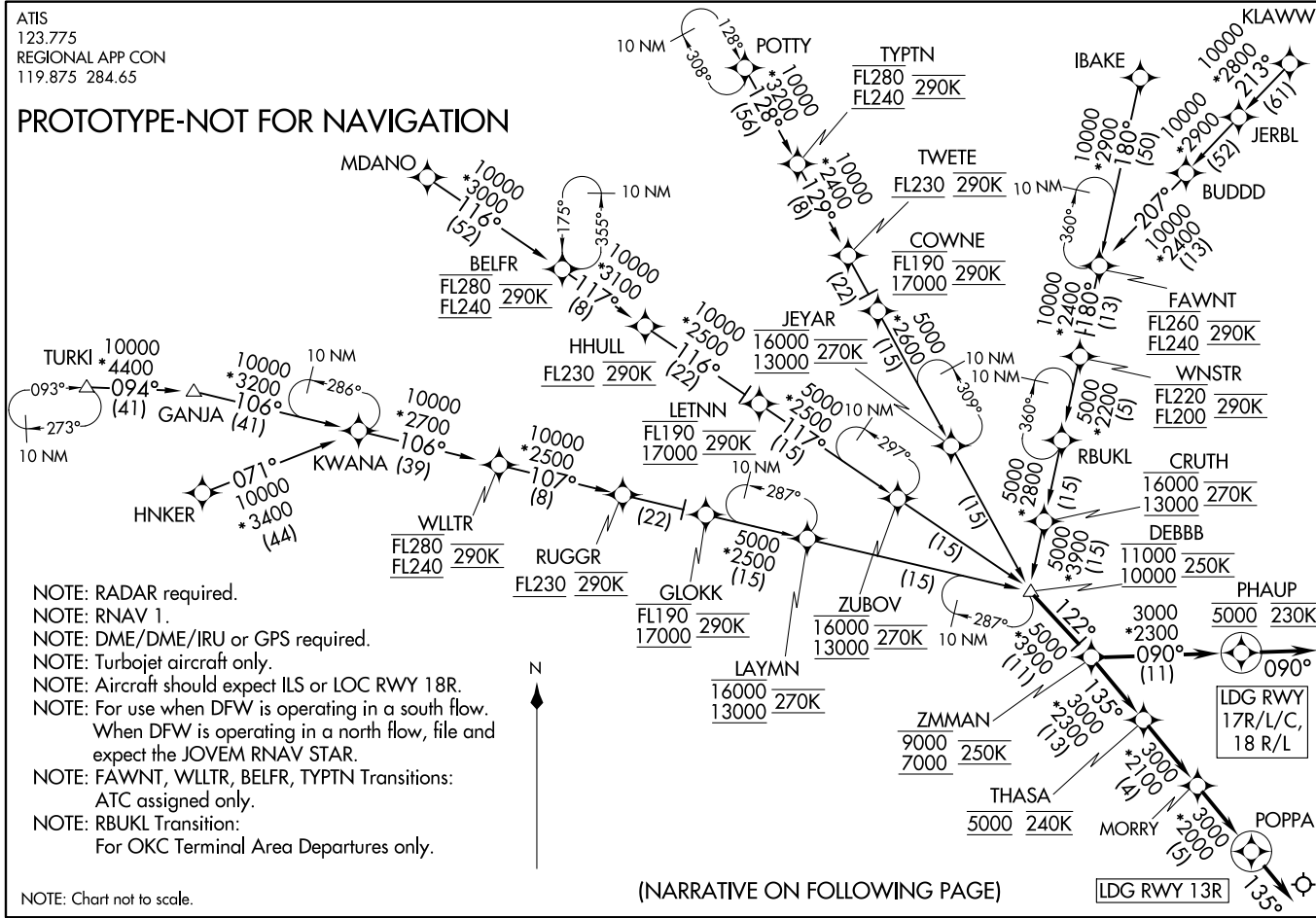
- NOTE: RADAR required.
- NOTE: RNAV 1.
- NOTE: DME/DME/IRU or GPS required.
- NOTE: Turbojet aircraft descend via mach number until intercepting 280K.
Maintain 280K until slowed by the STAR.
- NOTE: For non-RNP aircraft landing Rwy 16L/C/R, expect RADAR vectors to final approach course prior to RAYUU.

DEBB TWO ARRIVAL (RNAV)
(DEBB, DEBB2) 00000

DALLAS-FORT WORTH, TEXAS
DALLAS-FORT WORTH INTL (DFW)

ATIS
123.775
REGIONAL APP CON
119.875 284.65

PROTOTYPE-NOT FOR NAVIGATION



(NARRATIVE ON FOLLOWING PAGE)

(DEBB, DEBB2) 00000
DEBB TWO ARRIVAL (RNAV)

ST-6039 (FAA)

DALLAS-FORT WORTH INTL (DFW)
DALLAS-FORT WORTH, TEXAS