

List of pages in this Trip Kit

Trip Kit Index

Airport Information For HAAB

Terminal Charts For HAAB

Revision Letter For Cycle 22-2020

Change Notices

Notebook

General Information

Location: ADDIS ABEBA ETH
ICAO/IATA: HAAB / ADD
Lat/Long: N08° 58.5', E038° 48.0'
Elevation: 7625 ft

Airport Use: Public
Daylight Savings: Not Observed
UTC Conversion: -3:00 = UTC
Magnetic Variation: 2.0° E

Fuel Types: Jet A-1
Customs: Yes
Airport Type: IFR
Landing Fee: Yes
Control Tower: Yes
Jet Start Unit: No
LLWS Alert: No
Beacon: No

Sunrise: 0320 Z
Sunset: 1501 Z

Runway Information

Runway: 07L
Length x Width: 12139 ft x 148 ft
Surface Type: asphalt
TDZ-Elev: 7617 ft
Lighting: Edge, ALS
Displaced Threshold: 813 ft
Stopway: 197 ft

Runway: 07R
Length x Width: 12467 ft x 148 ft
Surface Type: asphalt
TDZ-Elev: 7618 ft
Lighting: Edge, ALS
Displaced Threshold: 1181 ft

Runway: 25L
Length x Width: 12467 ft x 148 ft
Surface Type: asphalt
TDZ-Elev: 7594 ft
Lighting: Edge, ALS
Displaced Threshold: 1181 ft

Runway: 25R
Length x Width: 12139 ft x 148 ft

Surface Type: asphalt
TDZ-Elev: 7604 ft
Lighting: Edge, ALS
Displaced Threshold: 1230 ft
Stopway: 197 ft

Communication Information

ATIS: 128.500
Bole Tower: 118.100
Bole Ground: 121.900
Bole Approach: 119.700

HAAB/ADD
BOLE INTL**JEPPESEN**

18 SEP 20

10-1P

ADDIS ABEBA, ETHIOPIA
AIRPORT BRIEFING

1. GENERAL

1.1. ATIS

ATIS 128.5

1.2. PREFERENTIAL RWYs

The following RWY configuration will be used in preference to the other configurations:

Between 0530 UTC - 0200 UTC

RWY 07R/L

Between 0200 UTC - 0530 UTC

RWY 25L/R

The selection preferential RWY ATC units shall take the following factors into consideration:

- Surface wind;
- Air traffic conditions;
- Local meteorological conditions;
- Environmental restrictions;
- Technical infrastructure (i.e. approach and landing aids available, RWY configuration, etc.).

Preferential RWY system will not be effective under the following circumstances:

- When tailwind exceeds 5 KT (including gust wind);
- Bad weather at high altitudes that hinder the climb or descent of ACFT;
- In case wind shear has been reported or forecast, or when thunderstorms or heavy rain is reported or expected to affect the landing and take-off operations to be conducted from the preferred RWYs;
- Peak hour traffic congestion;
- Unavailability of the preferred RWY and/or TWY due to maintenance work;
- In case the instrument approach/departure procedures available for the preferred RWYs are not convenient for landing and/or take-off operations under the existing meteorological condition at the time of operations.

It is the pilot's decision and responsibility to accept or refuse the use of preferred RWYs determined by ATC. If the pilot-in-command requests permission to use a RWY other than the preferred one for landing or take-off operations due to safety performance reasons, this request shall be met by ATC. In such cases, ACFT may be subject to delay or to reroute traffic.

1.3. TAXI PROCEDURES

Heavy/medium wake turbulence ACFT are not permitted to carry out back-track or 180° turns on RWY 07R/25L.

1.4. OTHER**CAUTION:** High terrain.

Birds in vicinity of APT.

HAAB/ADD
BOLE INTL

18 SEP 20

JEPPESEN

10-1P1

ADDIS ABEBA, ETHIOPIA
AIRPORT BRIEFING

1. ARRIVAL

2.1. NOISE ABATEMENT PROCEDURES

Between 2000-0700LT landing ACFT shall not be required to intercept the extended final APCH track less than 10NM from landing THR.

In the case of visual operations, pilots should permit an adequate period of stabilized flight on final APCH before crossing the RWY THR.

To maintain efficient air traffic services, noise abatement descent and APCH procedures utilizing continuous descent and reduced power/reduced drag techniques (or a combination of both) and can be implemented to be both effective and operationally acceptable.

Avoid operating on LEFT hand-down wind RWY 07R/L and RIGHT hand-down wind RWY 25L/R at all times.

3. DEPARTURE

3.1. NOISE ABATEMENT PROCEDURES

RWY 07R/L:

- Turn LEFT to WEST and NORTHWEST direction, no turn before crossing 12500' on RWY heading between 2000-0700LT.
- Turn RIGHT to NORTH, NORTHWEST and WEST, ACFT shall not be below the level assigned on the published SID.

RWY 25L/R:

Turn LEFT to NORTH, NORTHWEST and WEST, ACFT shall not be below the level assigned on the published SID.

3.2. START-UP AND PUSH-BACK PROCEDURES

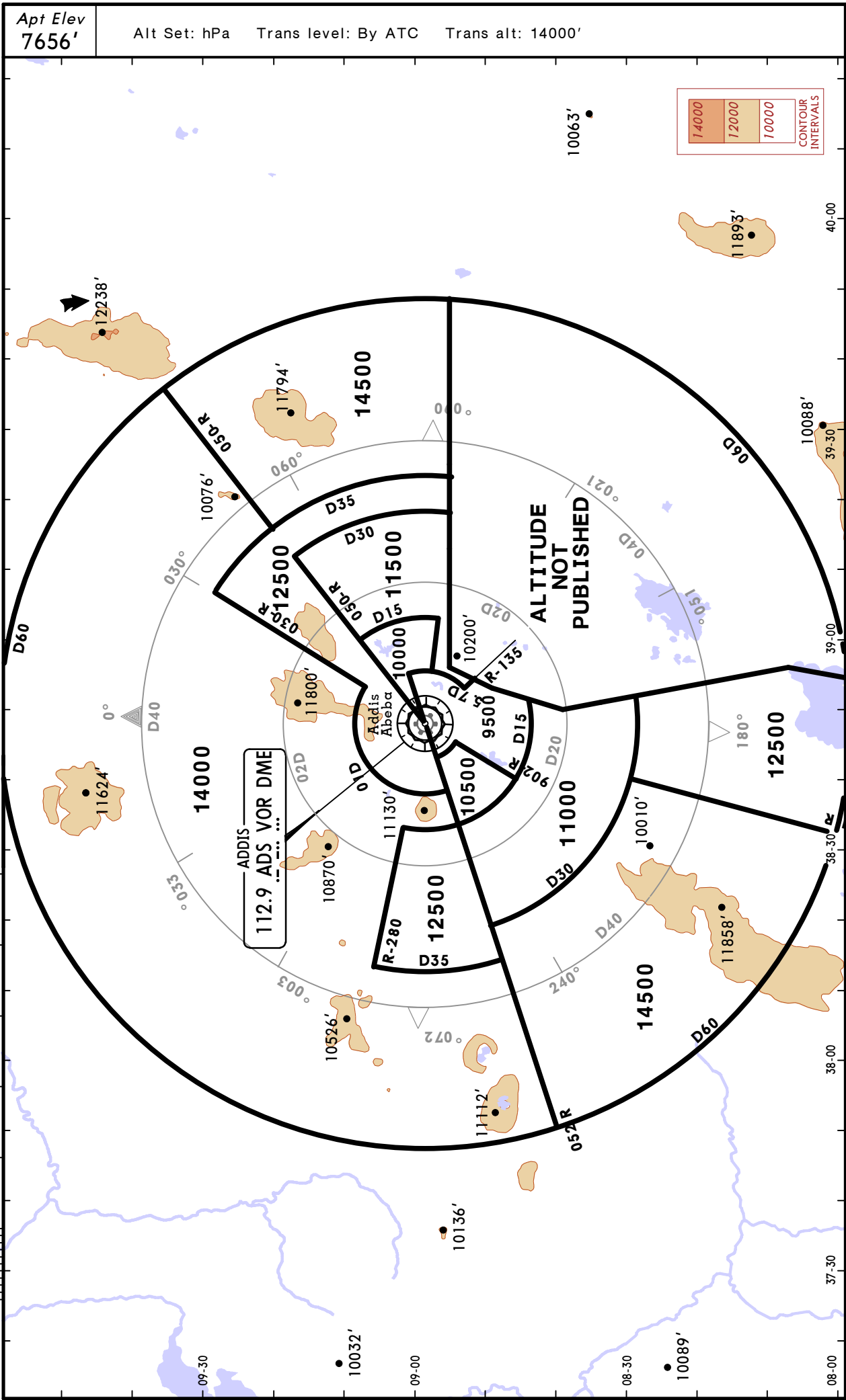
Warming-up engines with more than idle thrust is prohibited in front of terminal building.

Stands 1 thru 53 on main apron are push-back.

HAAB/ADD
BOLE INTL

JEPPESEN
15 APR 11 10-1R

ADDIS ABEBA, ETHIOPIA
RADAR MINIMUM ALTITUDES



Alt Set: hPa Trans level: By ATC Trans alt: 14000'

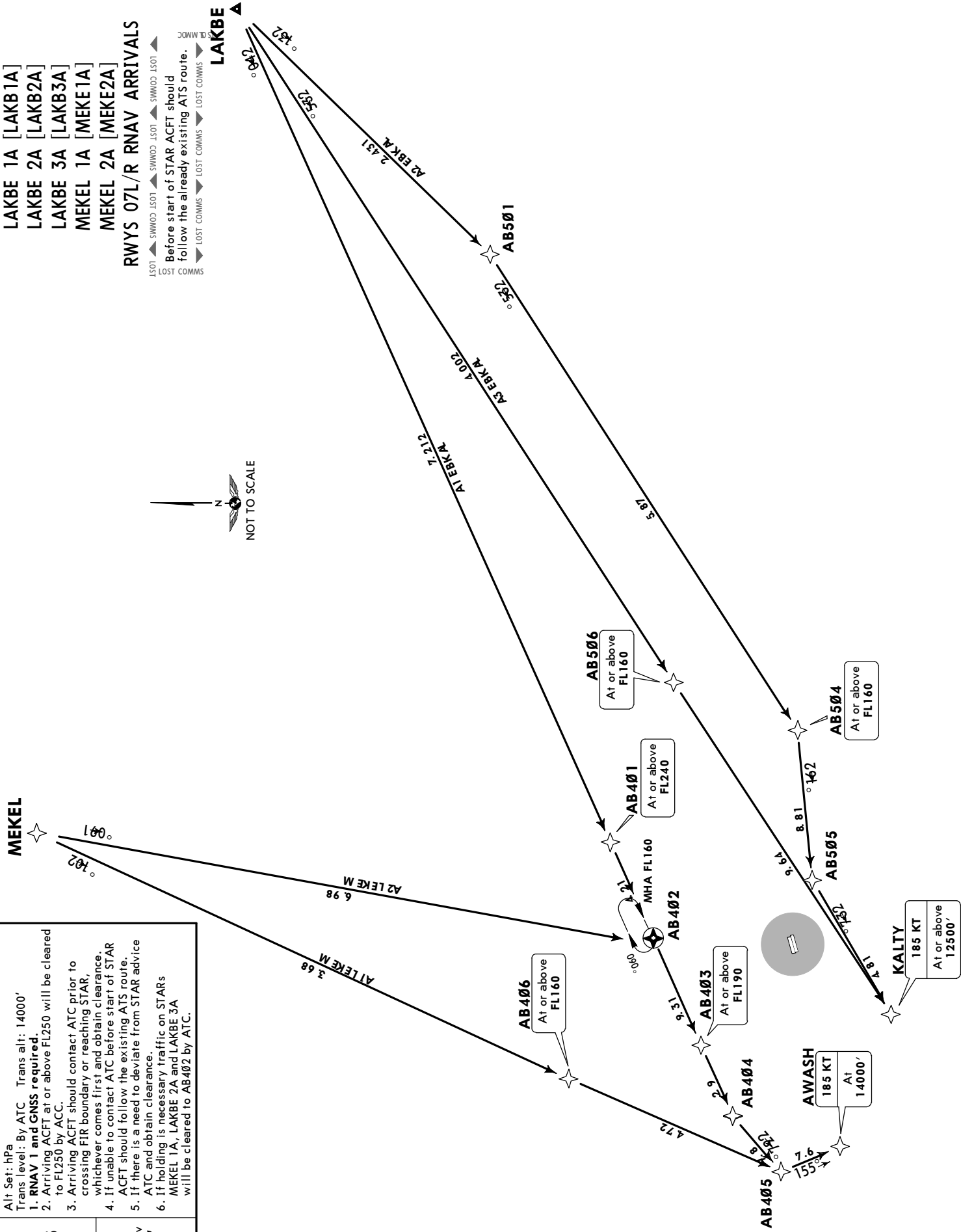
1. **RNAV 1 and GNSs required.**
2. Arriving ACFT at or above FL250 will be cleared to FL250 by ACC.
3. Arriving ACFT should contact ATC prior to crossing FIR boundary or reaching STAR, whichever comes first and obtain clearance.
4. If unable to contact ATC before start of STAR ACFT should follow the existing ATS route.
5. If there is a need to deviate from STAR advice ATC and obtain clearance.
6. If holding is necessary traffic on STARS MEKEL 1A, LAKBE 2A and LAKBE 3A will be cleared to AB402 by ATC.

Apt Elev

Before start of STAR ACFT should follow the already existing ATS route.

LAKBE 1A [LAKB1A]
LAKBE 2A [LAKB2A]
LAKBE 3A [LAKB3A]
MEKEL 1A [MEKE1A]
MEKEL 2A [MEKE2A]

NOT TO SCALE



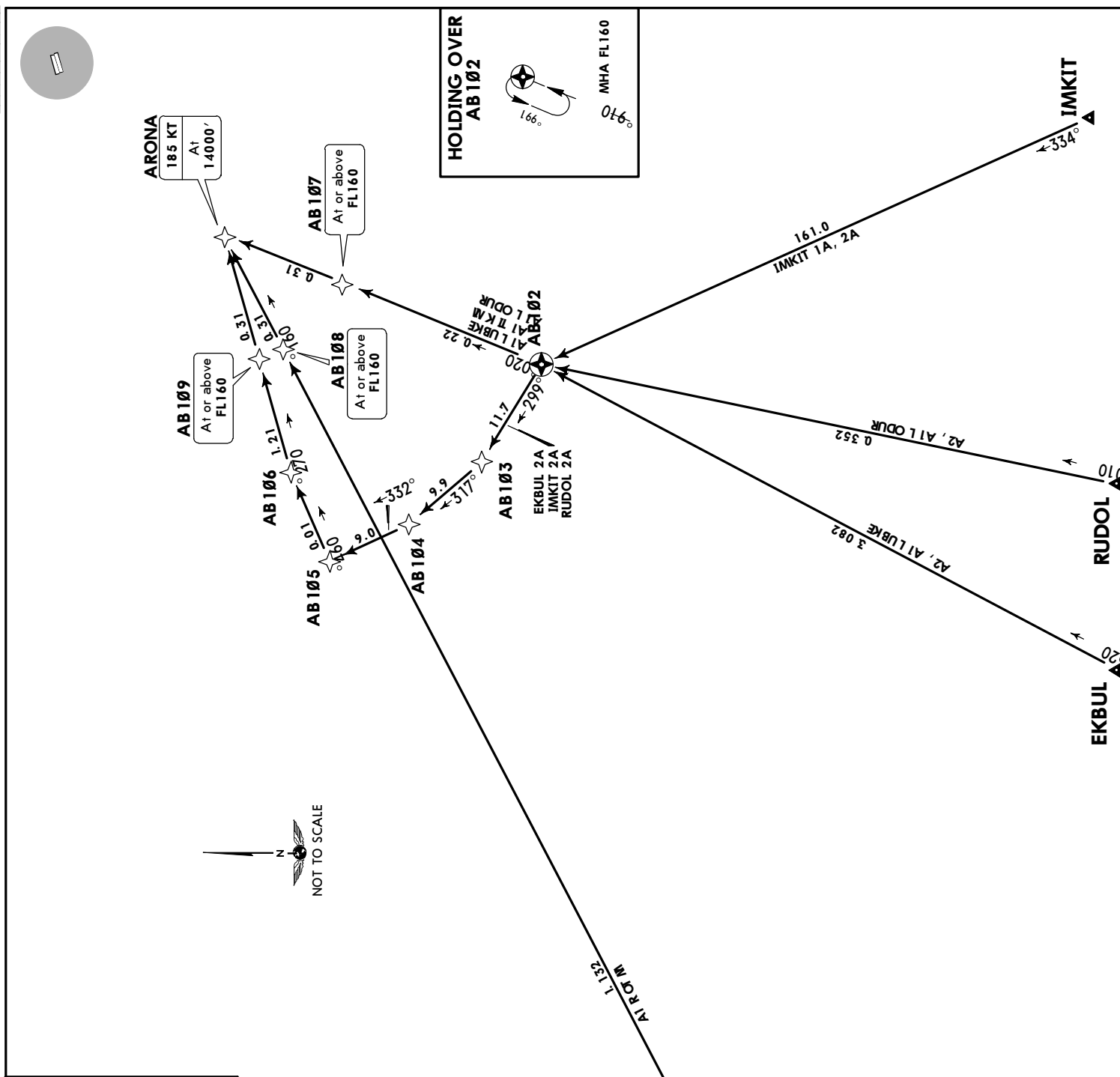
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HAAB/ADD
BOLE INTL

ATIS 128.5	Alt Set: hPa Trans level: By ATC Trans alt: 14000' 1. RNAV 1 and GNSS required. 2. Arriving ACFT at or above FL250 will be cleared to FL250 by ACC. 3. Arriving ACFT should contact ATC prior to crossing FIR boundary or reaching STAR, whichever comes first and obtain clearance. 4. If unable to contact ATC before start of STAR ACFT should follow the existing ATC route. 5. If there is a need to deviate from STAR advice ATC and obtain clearance. 6. For sequencing purpose ACFT may be delayed on the arcs and will be cleared to appropriate waypoint by ATC.
Apt Elev 7625'	

- EKBUL 1A [EKBU1A]
EKBUL 2A [EKBU2A]
IMKIT 1A [IMK11A]
IMKIT 2A [IMK12A]
IMTOR 1A [IMTO1A]
RUDOL 1A [RUDO1A]
RUDOL 2A [RUDO2A]
- RWYS 07L/R RNAV ARRIVALS

LS01 SWW03 LS01 SWW03 LS01
Before start of STAR ACFT should follow the already existing ATS route.
LOST COMMS LOST COMMS LOST COMMS LOST COMMS

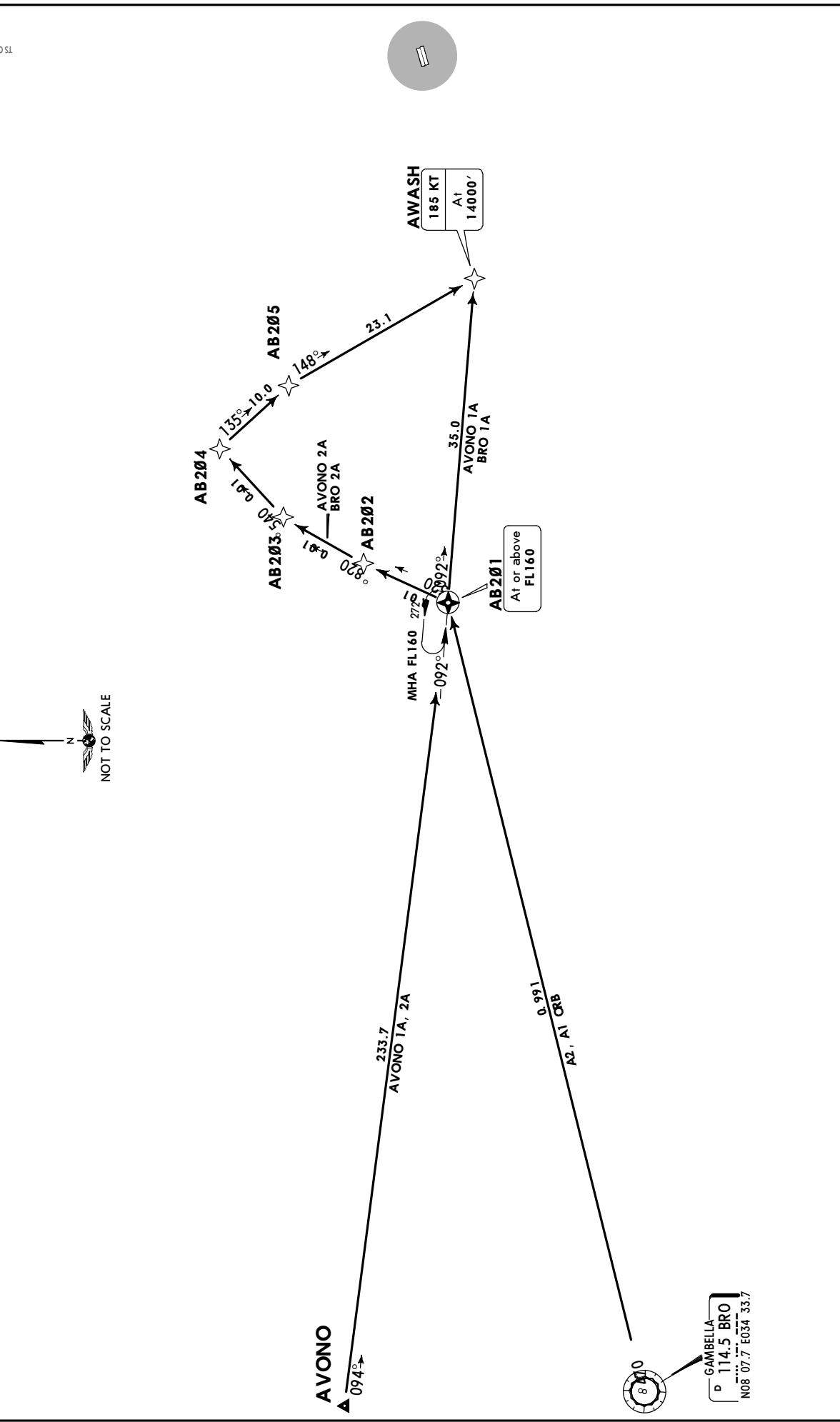


ATIS 128.5	Alt Set: hPa Trans level: By ATC Trans alt: 14000' 1. RNAV 1 and GNSS required. 2. Arriving ACFT at or above FL250 will be cleared to FL250 by ACC. 3. Arriving ACFT should contact ATC prior to crossing FIR boundary or reaching STAR, whichever comes first and obtain clearance. 4. If unable to contact ATC before start of STAR ACFT should follow the existing ATS route. 5. If there is a need to deviate from STAR advice ATC and obtain clearance. 6. For sequencing purpose ACFT may be delayed on the arcs and will be cleared to appropriate waypoint by ATC.
Apt Elev 7625'	

AVONO 1A [AVON1A]
AVONO 2A [AVON2A]
BRO 1A [BRO1A]
BRO 2A [BRO2A]
RWYS 07L/R RNAV ARRIVALS

LSOT ▲ SWWOD LSOT ▲ SWWOD LSOT ▲
Before start of STAR ACFT should follow the already existing ATS route.
▲ LOST COMMS ▲ LOST COMMS ▲ LOST COMMS ▲

LSOT ▲ SWWOD LSOT ▲ SWWOD LSOT ▲
Before start of STAR ACFT should follow the already existing ATS route.
▲ LOST COMMS ▲ LOST COMMS ▲ LOST COMMS ▲



CHANGES: ATIS established.

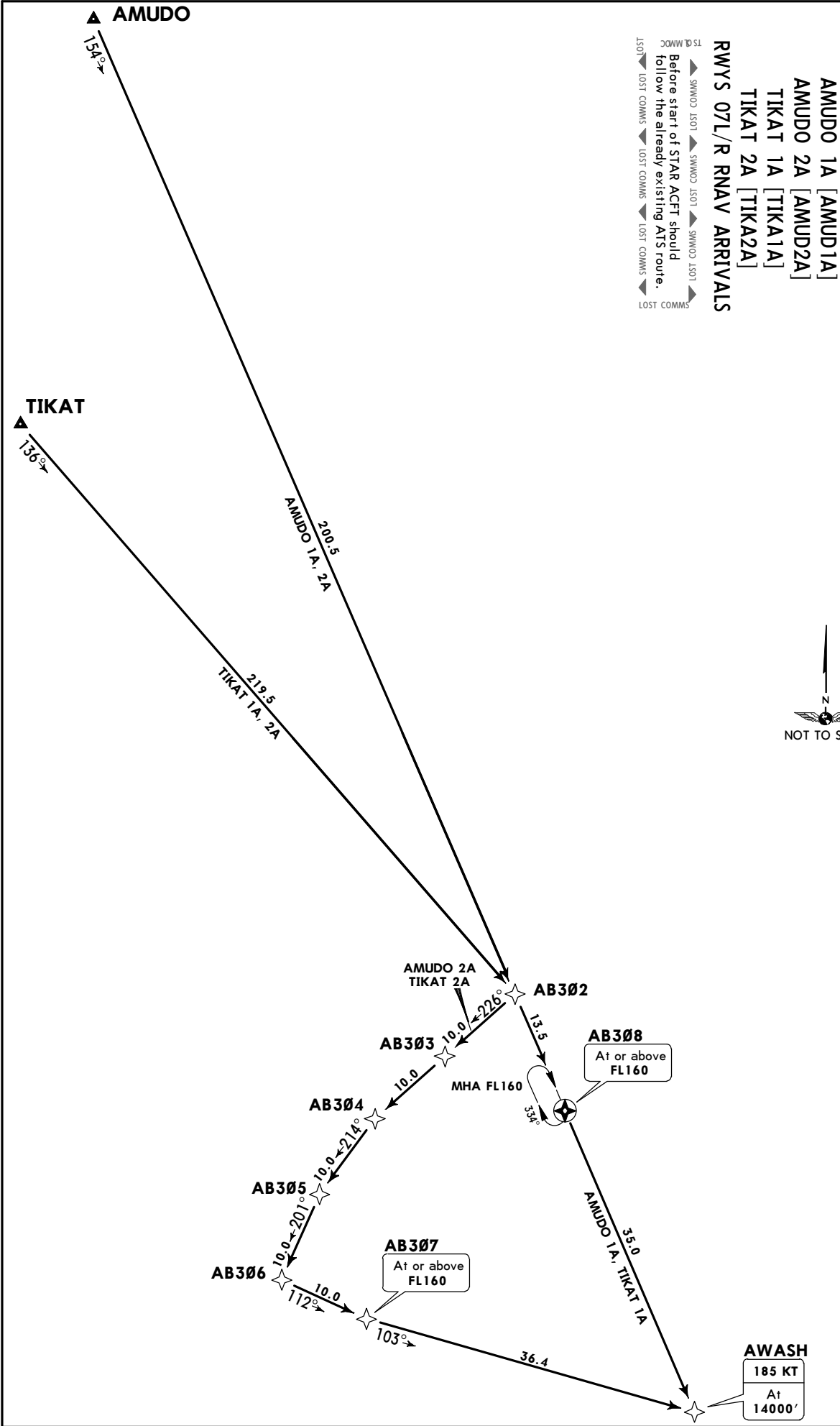
ATIS 128.5	Alt Set: hPa Trans level: By ATC Trans alt: 14000' 1. RNAV 1 and GNSS required. 2. Arriving ACFT at or above FL250 will be cleared to FL250 by ACC. 3. Arriving ACFT should contact ATC prior to crossing FIR boundary or reaching STAR, whichever comes first and obtain clearance. 4. If unable to contact ATC before start of STAR ACFT should follow the existing ATS route. 5. If there is a need to deviate from STAR advice ATC and obtain clearance. 6. For sequencing purpose ACFT may be delayed on the arcs and will be cleared to appropriate waypoint by ATC.
Apt Elev 7625'	

AMUDO 1A [AMUD1A]
AMUDO 2A [AMUD2A]
TIKAT 1A [TIKA1A]
TIKAT 2A [TIKA2A]
RWYS 07L/R RNAV ARRIVALS

TS 0.0 MWD C
LSOT
Before start of STAR ACFT should follow the already existing ATS route.
LSOT
LOST COMMS
LSOT
LOST COMMS
LSOT
LOST COMMS



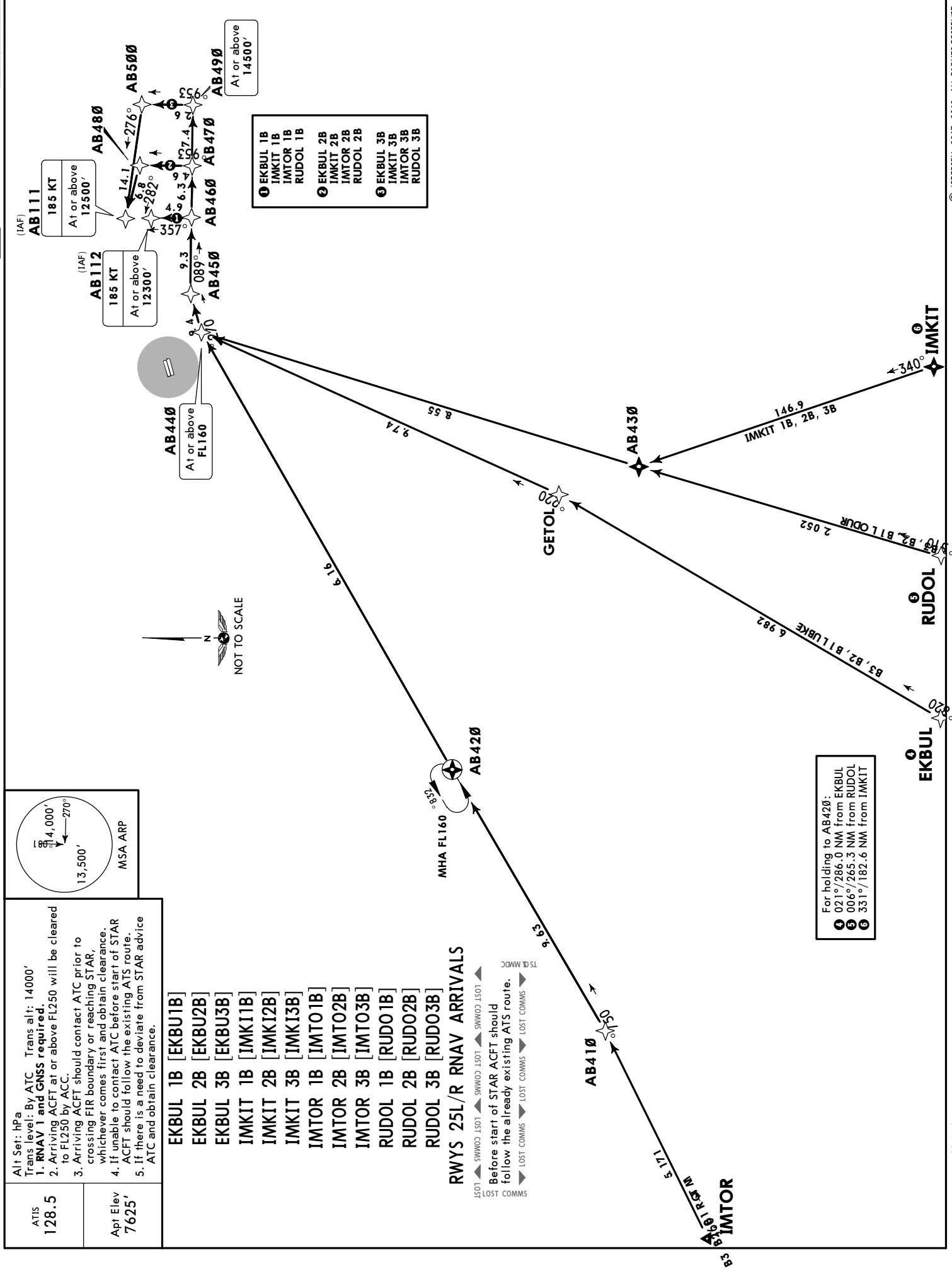
NOT TO SCALE



Alt Set: hPa Trans level: By ATC. Trans alt: 14000' 1. RNAV 1 and GNSs required. 2. Arriving ACFT at or above FL250 will be cleared to FL250 by ATC. 3. Arriving ACFT should contact ATC prior to crossing FIR boundary or reaching STAR, whichever comes first and obtain clearance. 4. If unable to contact ATC before start of STAR ACFT should follow the existing ATIS route. 5. If there is a need to deviate from STAR advice ATC and obtain clearance.	ATIS 128.5
	Apt Elev 7625'

RWYS 25L/R RNAV ARRIVALS

Before start of STAR ACFT should follow the already existing ATS route.

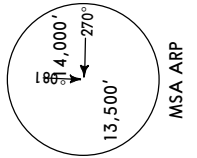


Alt Set: hPa
Trans level: By ATC Trans alt: 14000'

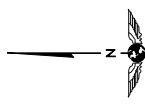
1. **RNAV 1 and GNS required.**
2. Arriving ACFT at or above FL250 will be cleared to FL250 by ACC.
3. Arriving ACFT should contact ATC prior to crossing FIR boundary or reaching STAR, whichever comes first and obtain clearance.
4. If unable to contact ATC before start of STAR ACFT should follow the existing ATIS route.
5. If there is a need to deviate from STAR advice ATC and obtain clearance.
6. Level restrictions may be canceled only if positive clearance is obtained from ATC.

ATIS
128.5

Apt Elev
7625'



MSA ARP



NOT TO SCALE

AVONO 1B [AVON1B]
AVONO 2B [AVON2B]
AVONO 3B [AVON3B]
BRO 1B [BRO1B]
BRO 2B [BRO2B]
BRO 3B [BRO3B]

RWYS 25L/R RNAV ARRIVALS

▼ LOST COMMS ▼ LOST COMMS ▼ LOST COMMS ▼ LOST

Before start of STAB ACET should

before start of STAR ACT-I should follow the already existing ATC route

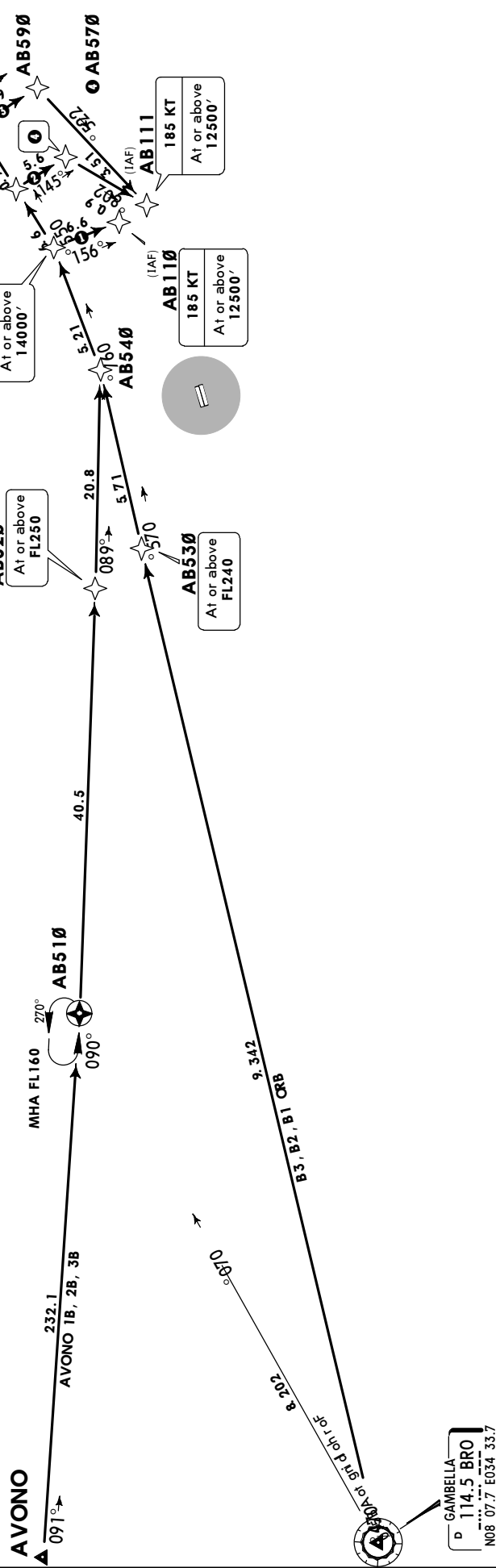
Follow the already existing footsteps:

MS
▶ LOST COMMS
▶ LOST COMMS
▶ LOST COMMS
▶ LOST COMMS

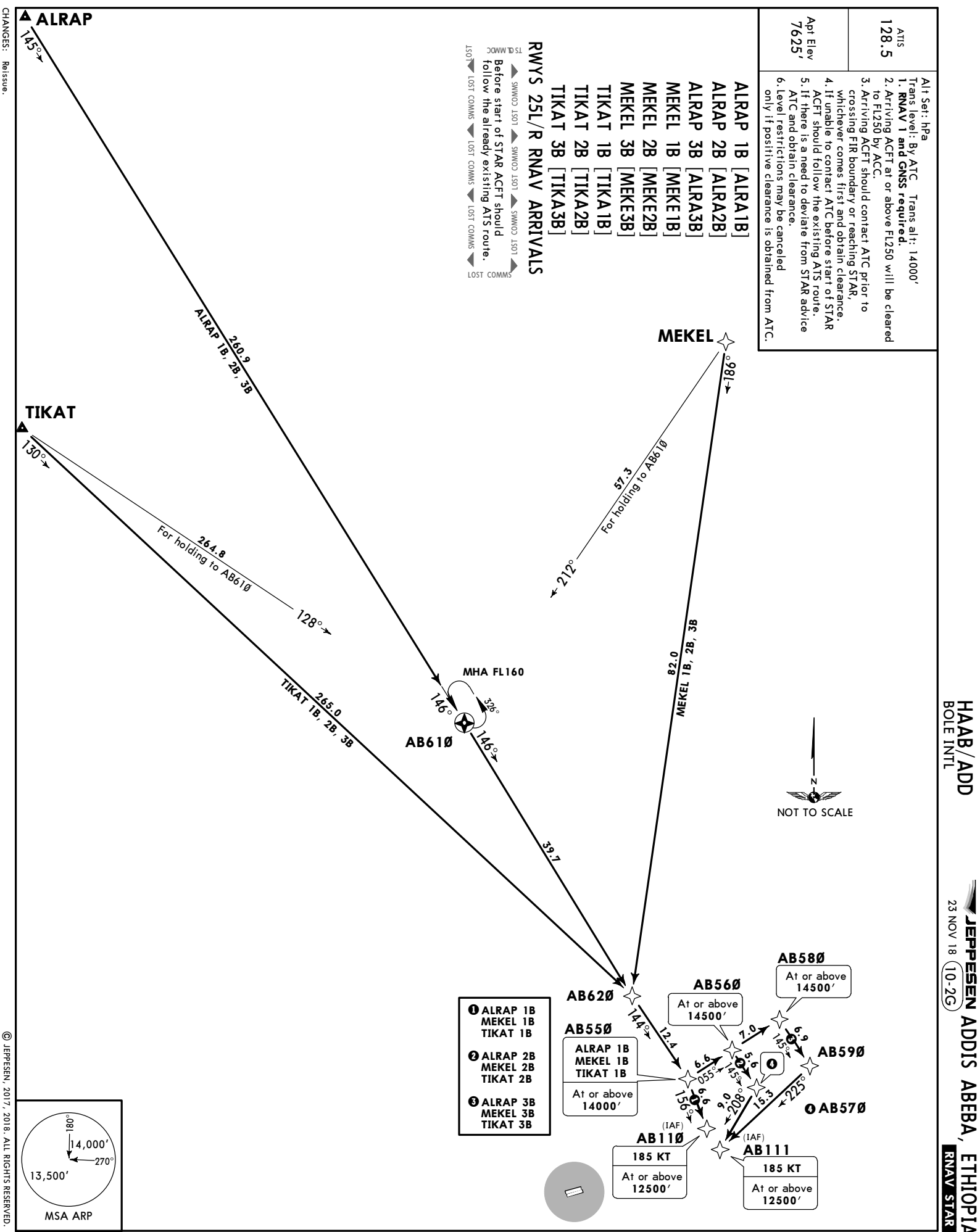
AVONO 1B
BRO 1B

AVONO 2B
BRO 2B

AVONO 3B
BRO 3B



D GAMBELLA
 114.5 BRO
 --- --- ---
 N08 07.7 E034 33.7



HAAB/ADD
BOLE INTL

5 JUN 20 10-2H

JEPPESEN ADDIS ABEBA, ETHIOPIA

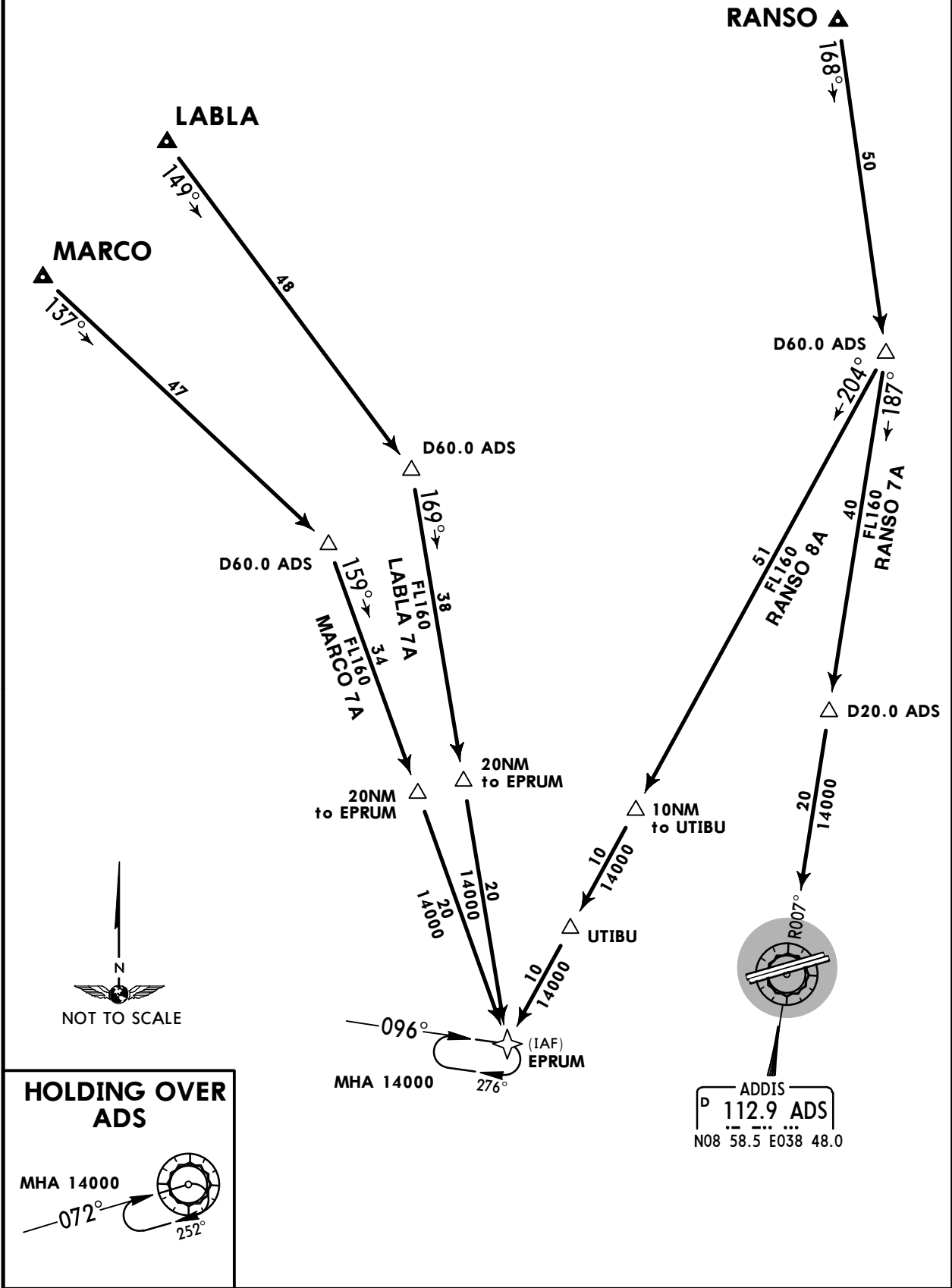
RNAV STAR

ATIS
128.5

Apt Elev
7625'

Alt Set: hPa Trans level: By ATC Trans alt: 14000'
RNAV (GNSS)

LABLA 7A [LABL7A], MARCO 7A [MARC7A]
RANSO 7A [RANS7A], RANSO 8A [RANS8A]
RNAV ARRIVALS
(RWYS 07R/L)



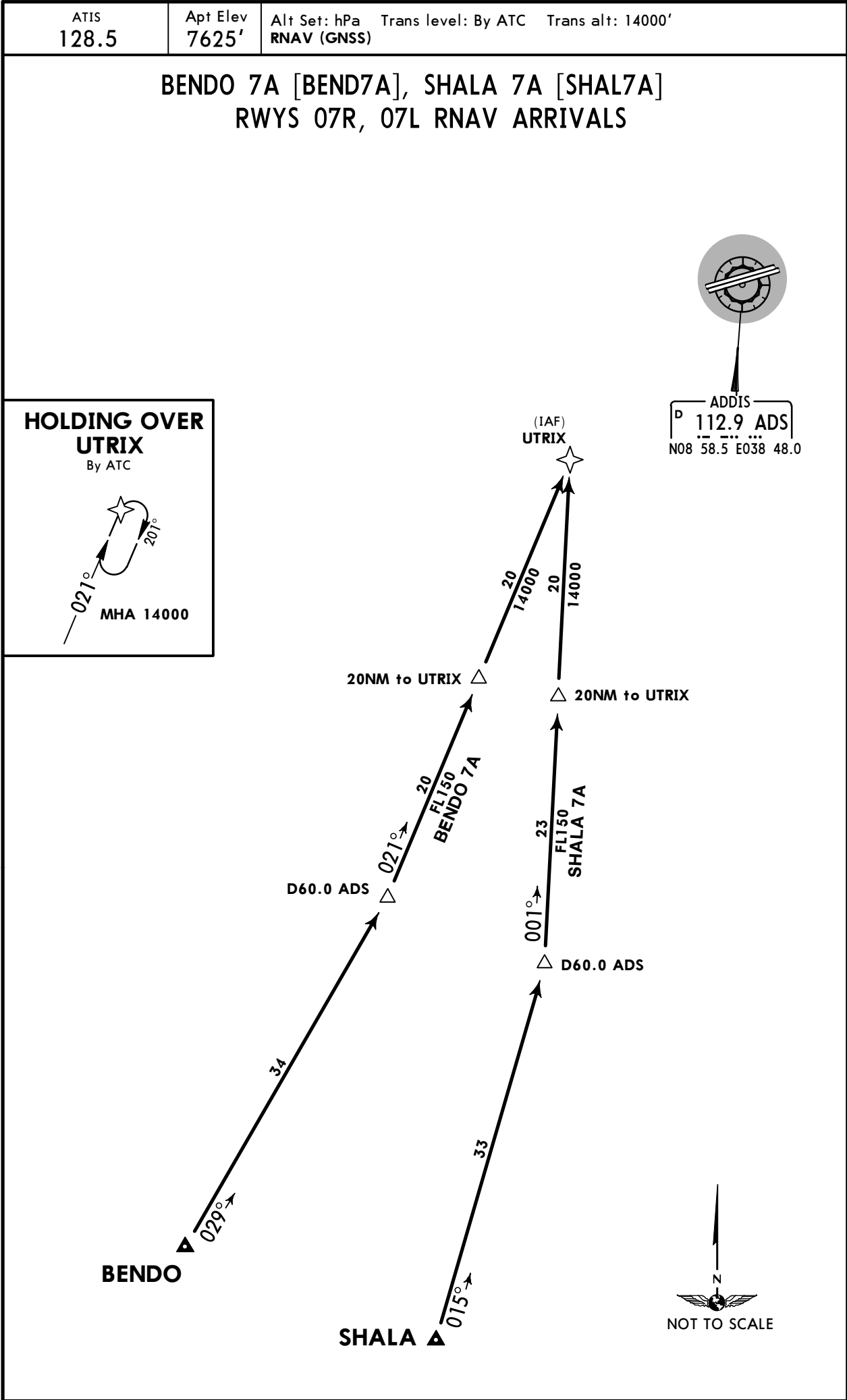
Trans alt: 14000'

ADDIS
D 112.9 ADS
N08 58.5 E038 48.0

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HAAB/ADD
BOLE INTL

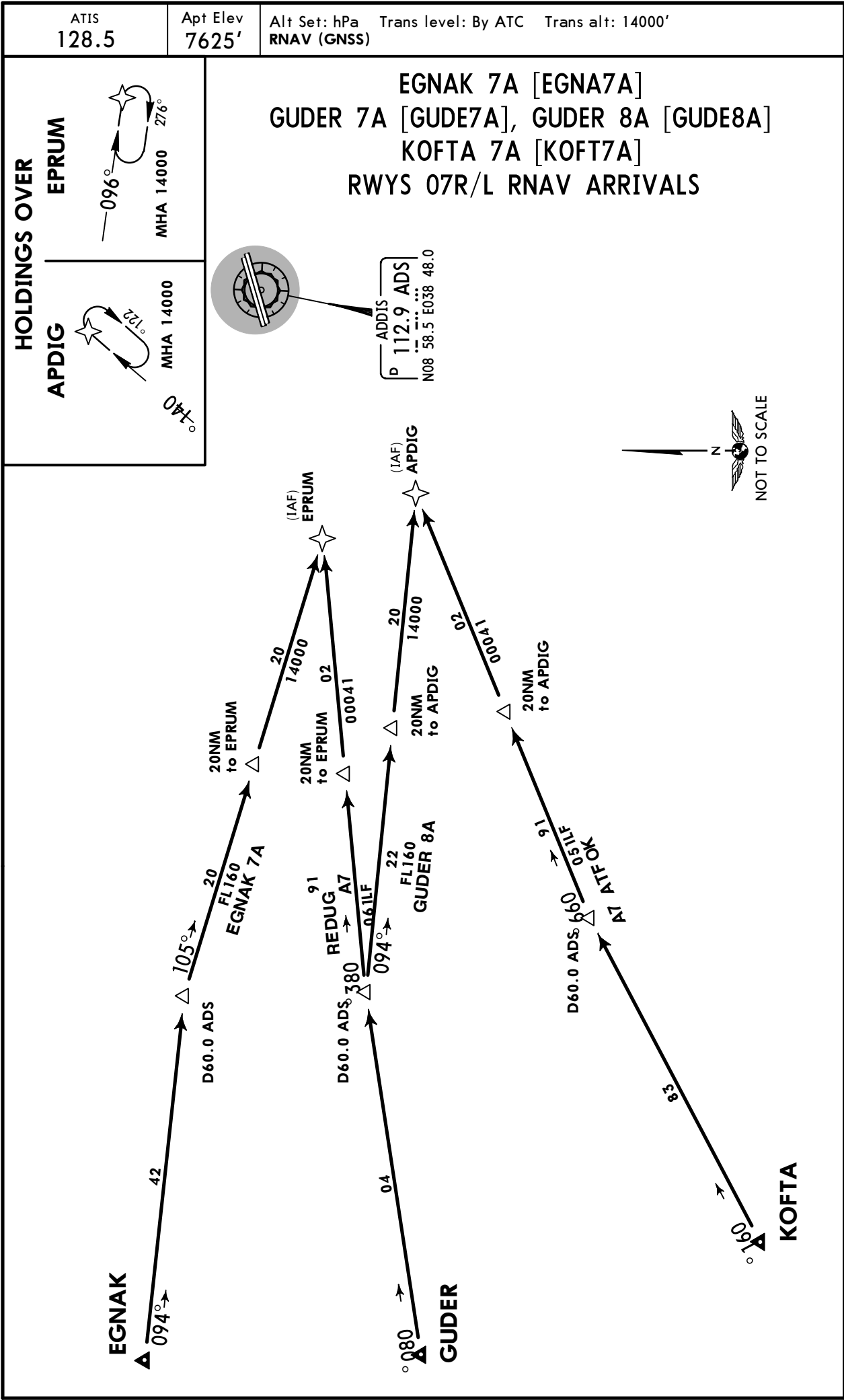
JEPPESEN ADDIS ABEBA, ETHIOPIA
16 NOV 18 10-2K
RNAV STAR



HAAB/ADD
BOLE INTL

JEPPesen 16 NOV 18 10-2L

ADDIS ABEBA, ETHIOPIA
RNAV STAR

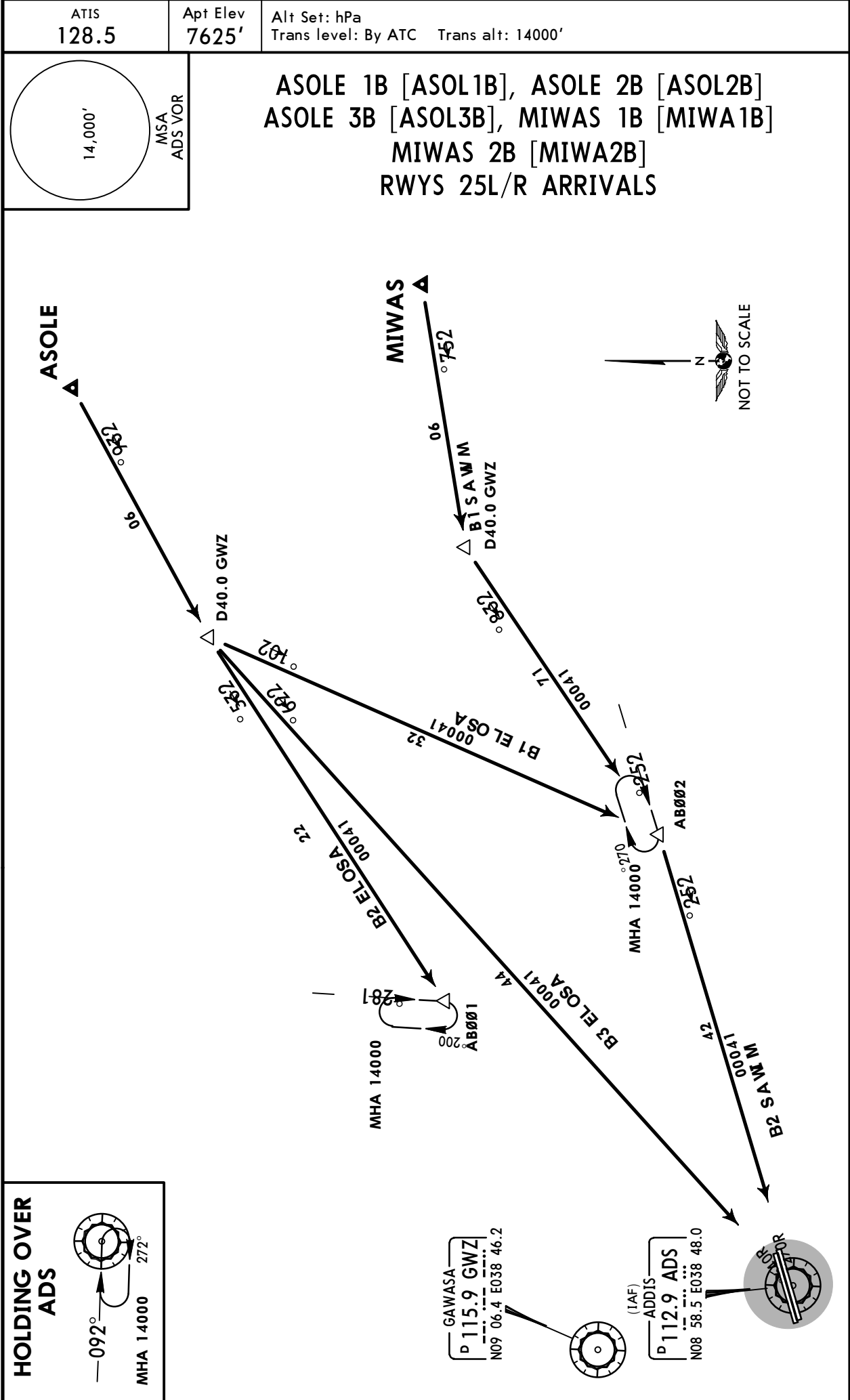


HAAB/ADD
BOLE INTL

16 NOV 18 10-2M

ADDIS ABEBA, ETHIOPIA

STAR



HAAB/ADD
BOLE INTL

16 NOV 18

10-2N

ADDIS ABEBA, ETHIOPIA

STAR

ATIS
128.5

Apt Elev
7625'

Alt Set: hPa
Trans level: By ATC Trans alt: 14000'

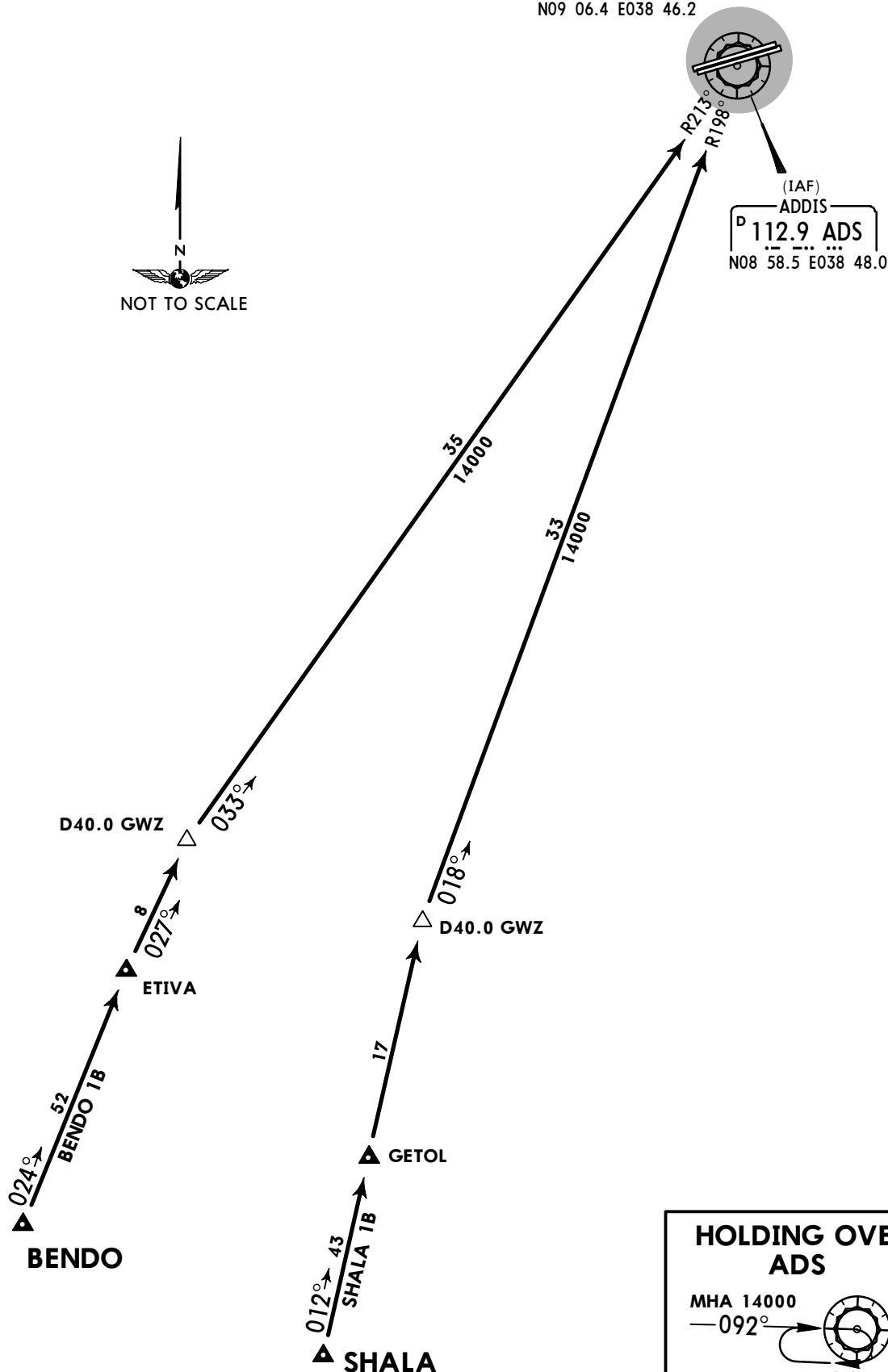
14,000'

MSA
ADS VOR

BENDO 1B [BEND1B]
SHALA 1B [SHAL1B]
RWYS 25L/R ARRIVALS

GAWASA
D 115.9 GWZ
N09 06.4 E038 46.2

(IAF)
ADDIS
D 112.9 ADS
N08 58.5 E038 48.0



HOLDING OVER
ADS

MHA 14000

—092°



272°

HAAB/ADD
BOLE INTL

16 NOV 18 (10-2Q)

JEPPESEN ADDIS ABEBA, ETHIOPIA

STAR

ATIS
128.5

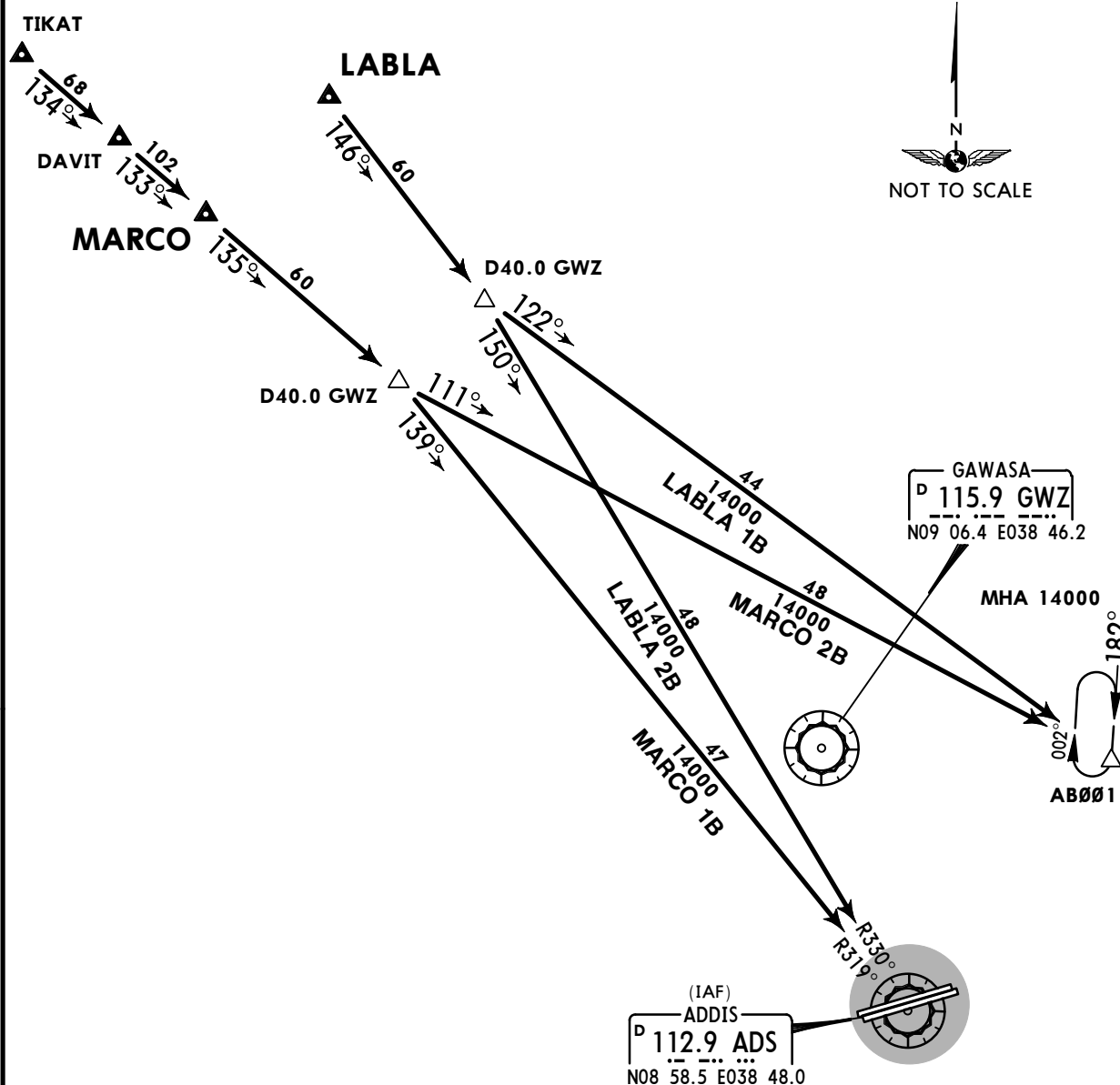
Apt Elev
7625'

Alt Set: hPa
Trans level: By ATC Trans alt: 14000'

14,000'

MSA
ADS VOR

LABLA 1B [LABL1B], LABLA 2B [LABL2B]
MARCO 1B [MARC1B], MARCO 2B [MARC2B]
RWYS 25L/R ARRIVALS



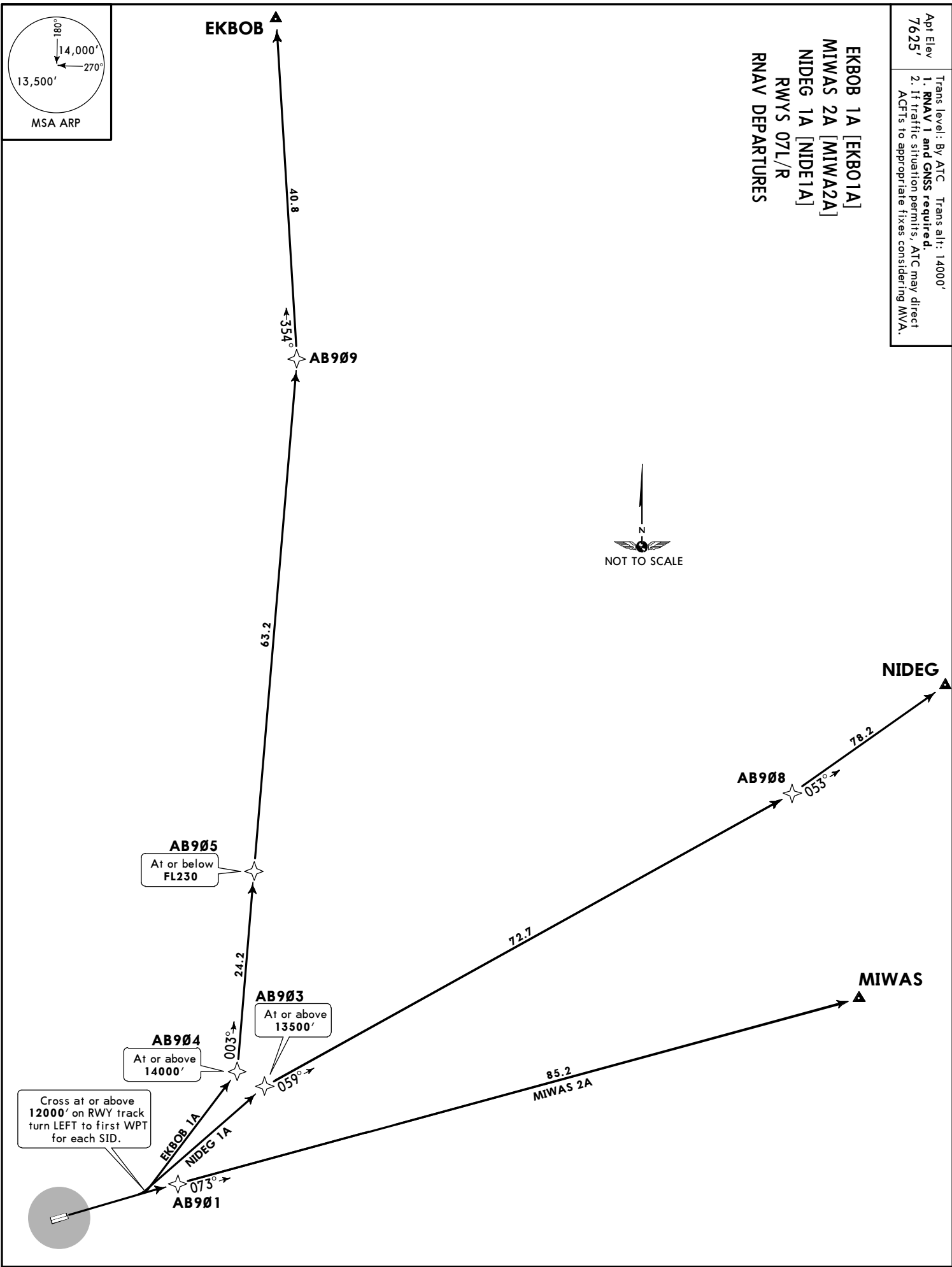
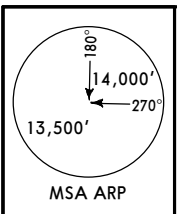
CHANGES: None.

HAAB/ADD
BOLE INTL

JEPPESSEN ADDIS ABEBA, ETHIOPIA
31 AUG 18 10-3
RNAV SID

Appt Elev
7625'
Trans level: By ATC Trans alt: 14000'
1. RNAV 1 and GNSS required.
2. If traffic situation permits, ATC may direct
ACFTs to appropriate fixes considering MVA.

EKBOB 1A [EKB01A]
MIWAS 2A [MIWA2A]
NIDEG 1A [NIDE1A]
RWYS 07L/R
RNAV DEPARTURES



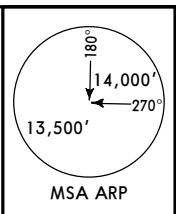
CHANGES: RWY07R RNAV SID IMKIT 1A renumbered IMKIT 3A.

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HAAB/ADD
BOLE INTL

JEPPESEN ADDIS ABEBA, ETHIOPIA
31 AUG 18 10-3A
RNAV SID

Apt Elev
7625'
Trans level: By ATC Trans alt: 14000'
1. RNAV 1 and GNSS required.
2. If traffic situation permits, ATC may direct ACFTs to appropriate fixes considering MVA.

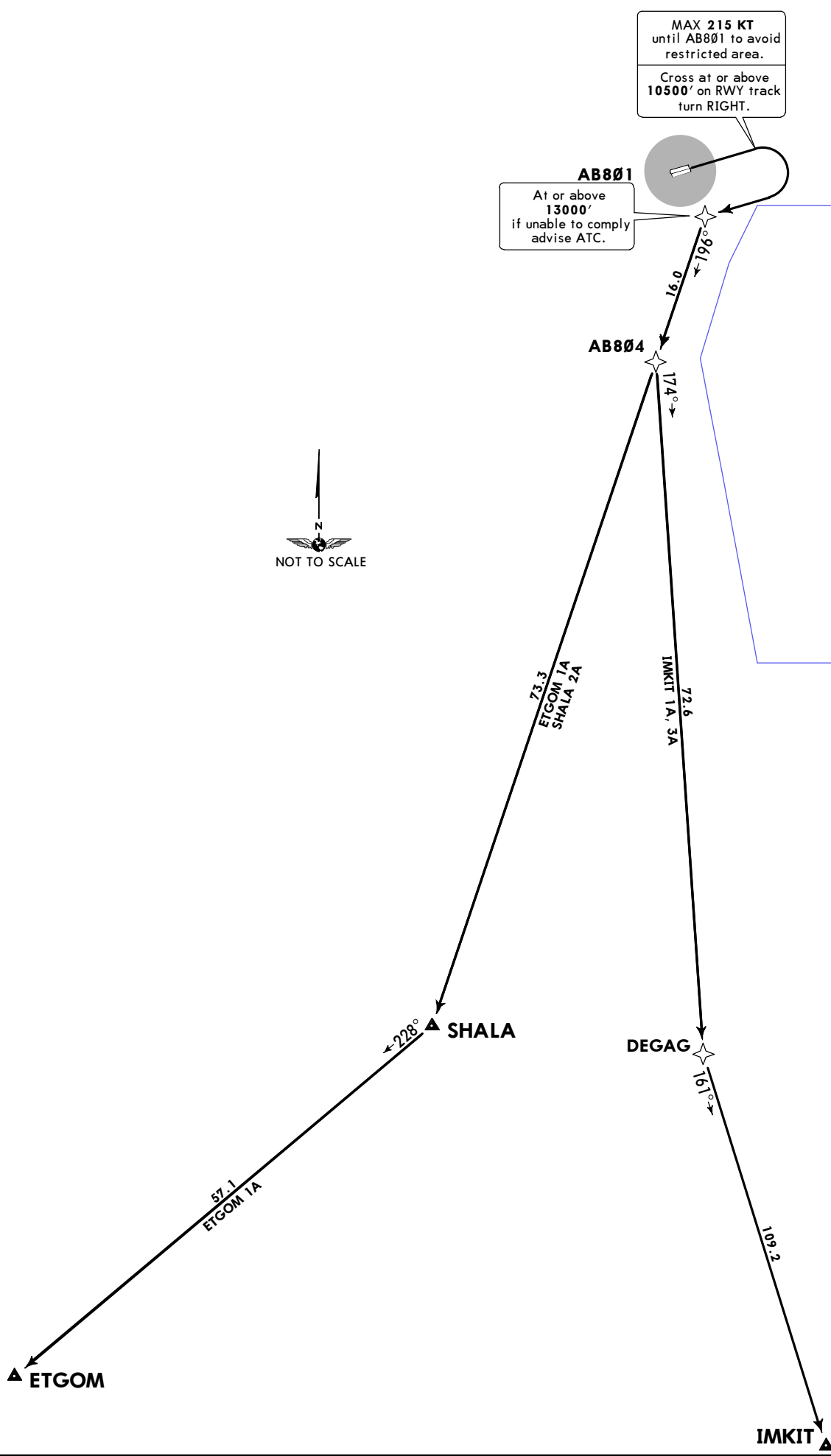


MAX 215 KT
until AB801 to avoid
restricted area.
Cross at or above
10500' on RWY track
turn RIGHT.

AB801
At or above
13000'
if unable to comply
advise ATC.

AB804

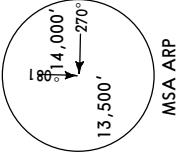
HA(R)-1



ETGOM 1A [ETG01A]
SHALA 2A [SHAL2A]
RWYS 07L/R RNAV DEPARTURES
IMKIT 1A [IMK11A]
RWY 07L RNAV DEPARTURE
IMKIT 3A [IMK13A]
RWY 07R RNAV DEPARTURE

Trans level: By ATC Trans alt: 14000'
1. RNAV 1 and GNSS required.
2. If traffic situation permits, ATC may direct ACFTs to appropriate fixes considering MVA.

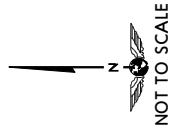
Apt Elev
7625'



BRO 1A [BRO1A]
RWY 07L RNAV DEPARTURE

BRO 3A [BRO3A]
RWY 07R RNAV DEPARTURE

GUDER 3A [GUDE3A]
KOFTA 3A [KOF13A]
RWYS 07L/R RNAV DEPARTURES



1 BRO 1A, 3A
MAX 215 KT
until AB801 to avoid
restricted area.
Cross at or above
10500' on RWY track
turn RIGHT.

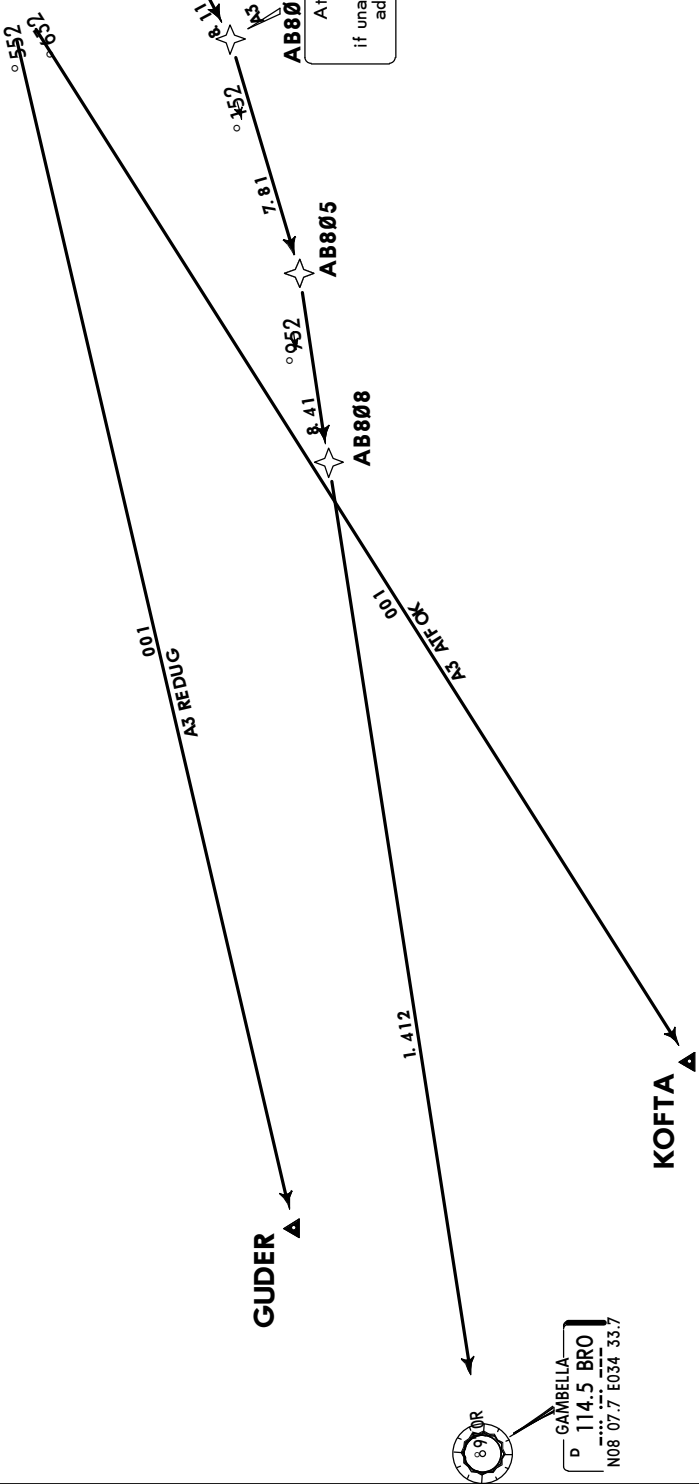
GAWASA
D 115.9 GWZ
N09 06.4 E038 46.2
At or above
14000'

GUDER 3A
KOFTA 3A
Cross at or above
12000' on RWY track
turn LEFT to GWZ.

1
At or above
13000'
if unable to comply
advise ATC.

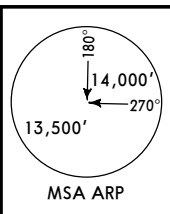
At or above
FL160
if unable to comply
advise ATC.

HA(R)-1



GAMBELLA
D 114.5 BRO
N08 07.7 E034 33.7

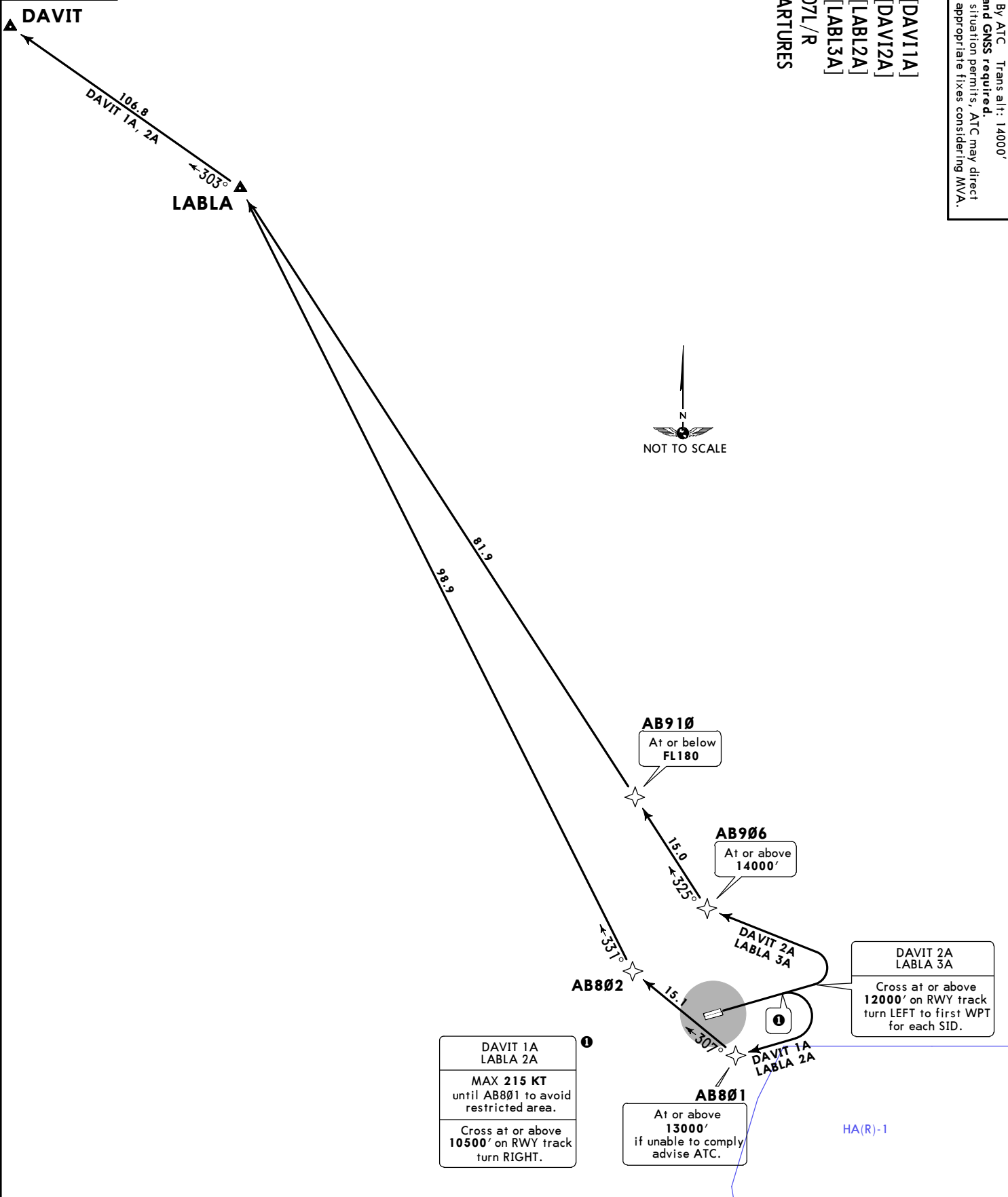
CHANGES: None.



HAAB/ADD
BOLE INTL

Appt Elev
7625'
Trans level: By ATC. Trans alt: 14000'
1. RNAV 1 and GNSS required.
2. If traffic situation permits, ATC may direct ACFTs to appropriate fixes considering MVA.

DAVIT 1A [DAV11A]
DAVIT 2A [DAV12A]
LABLA 2A [LAB12A]
LABLA 3A [LAB13A]
RWYS 07L/R
RNAV DEPARTURES



DAVIT 1A
LABLA 2A
MAX 215 KT
until AB801 to avoid
restricted area.
Cross at or above
10500' on RWY track
turn RIGHT.

At or above
13000'
if unable to comply
advise ATC.

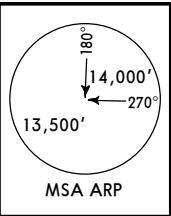
AB910
At or below
FL180

AB906
At or above
14000'

DAVIT 2A
LABLA 3A
Cross at or above
12000' on RWY track
turn LEFT to first WPT
for each SID.

HA(R)-1

CHANGES: RMY25R RNAV SID EKBOB 1B renubered EKBOB 2B.



Apt Elev 7625'	Trans level: By ATC. Trans alt: 14000'
RNAV 1 and GNSS required.	

HAAB/ADD
BOLE INTL

JEPPESSEN ADDIS ABABA, ETHIOPIA
31 AUG 18 10-3E
RNAV SID

EKBOB 1B [EKBO1B]
RWY 25L RNAV DEPARTURE
EKBOB 2B [EKBO2B]
RWY 25R RNAV DEPARTURE



EKBOB
40.0
353°
AB380

8.06

AB370
At or above
12500'

Cross 8000'
on RWY track,
turn LEFT to AB310.

AB310
031°
22.1
EKBOB 1B, 2B
185 KT

This SID requires a minimum climb gradient
of
4.3% until crossing 10900'.

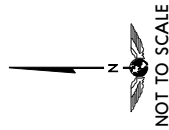
Gnd speed-KT	75	100	150	200	250	300
4.3% V/V (fpm)	327	435	653	871	1089	1306

Apt Elev 7625'	Trans level: By ATC Trans alt: 14000' RNAV 1 and GNSS required.
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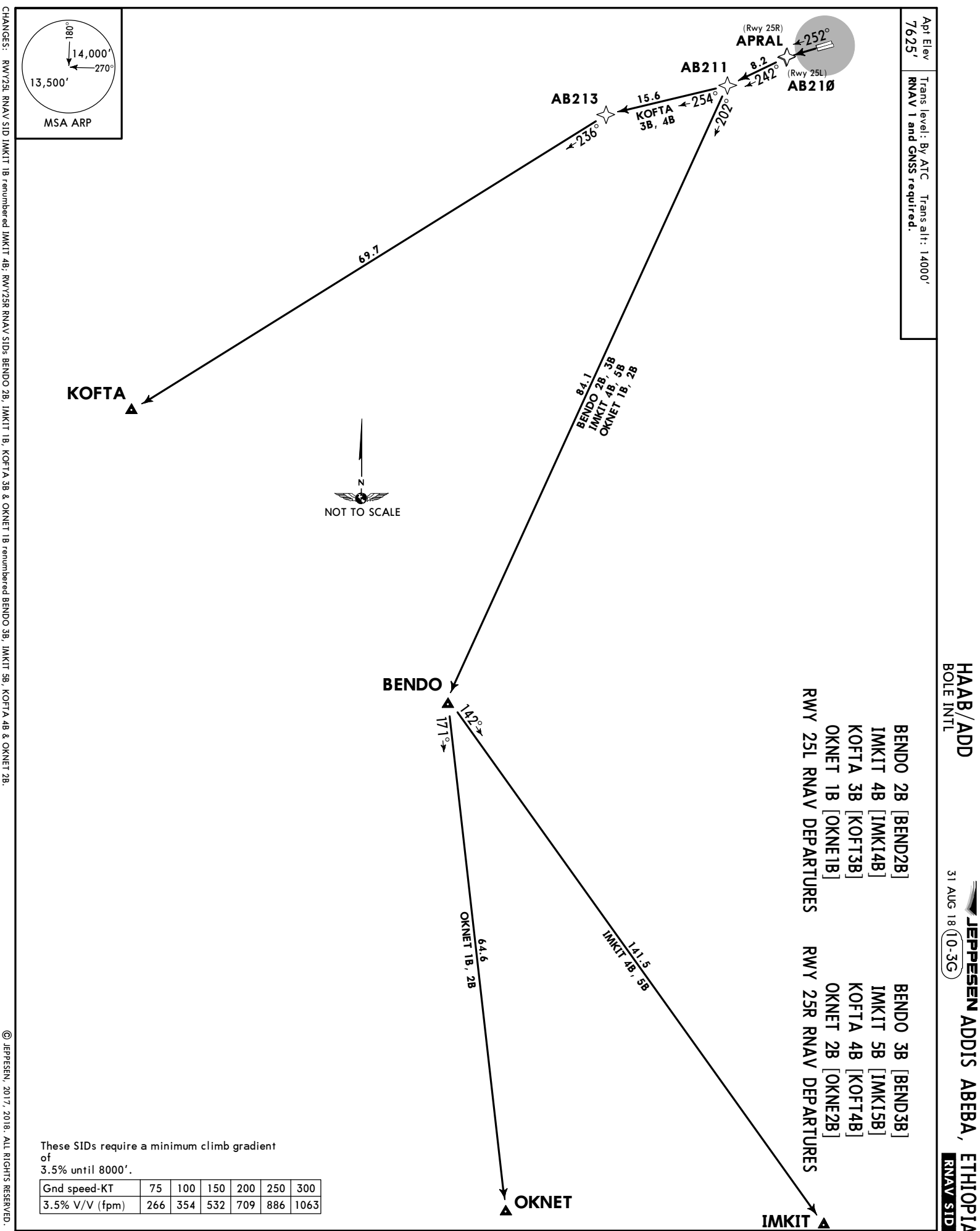
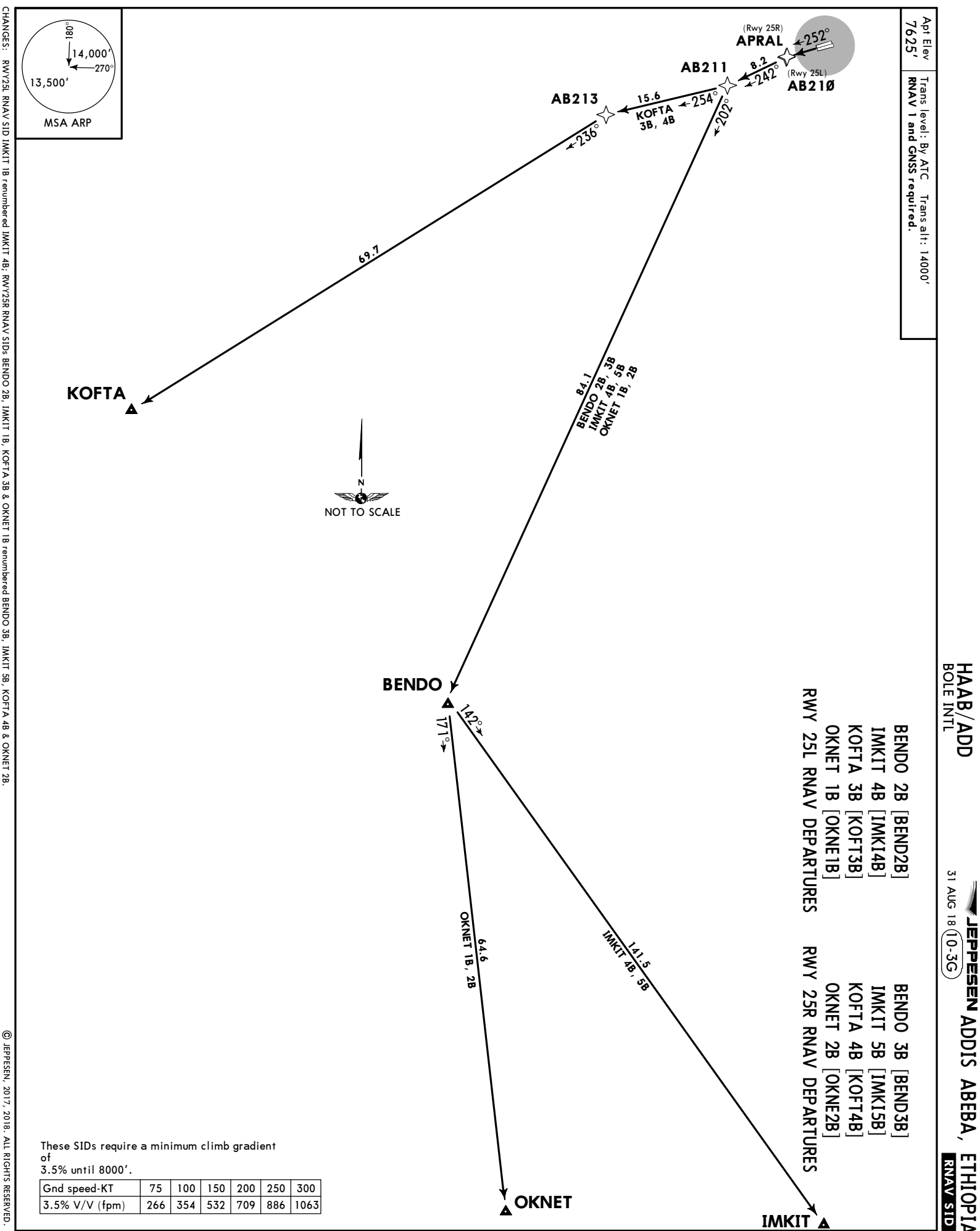
7625' RNAV 1 and GNSS required.

RWY 25L RNAV DEPARTURES

RWY 25R RNAV DEPARTURES



Gnd speed-KT	75	100	150	200	250	300
4.3% V/V (fpm)	327	435	653	871	1089	1306



Apt Elev

7625'

Trans level: By ATC

RNAV 1 and GNSS required.

Trans alt: 14000'

BRO 4B [BRO4B]

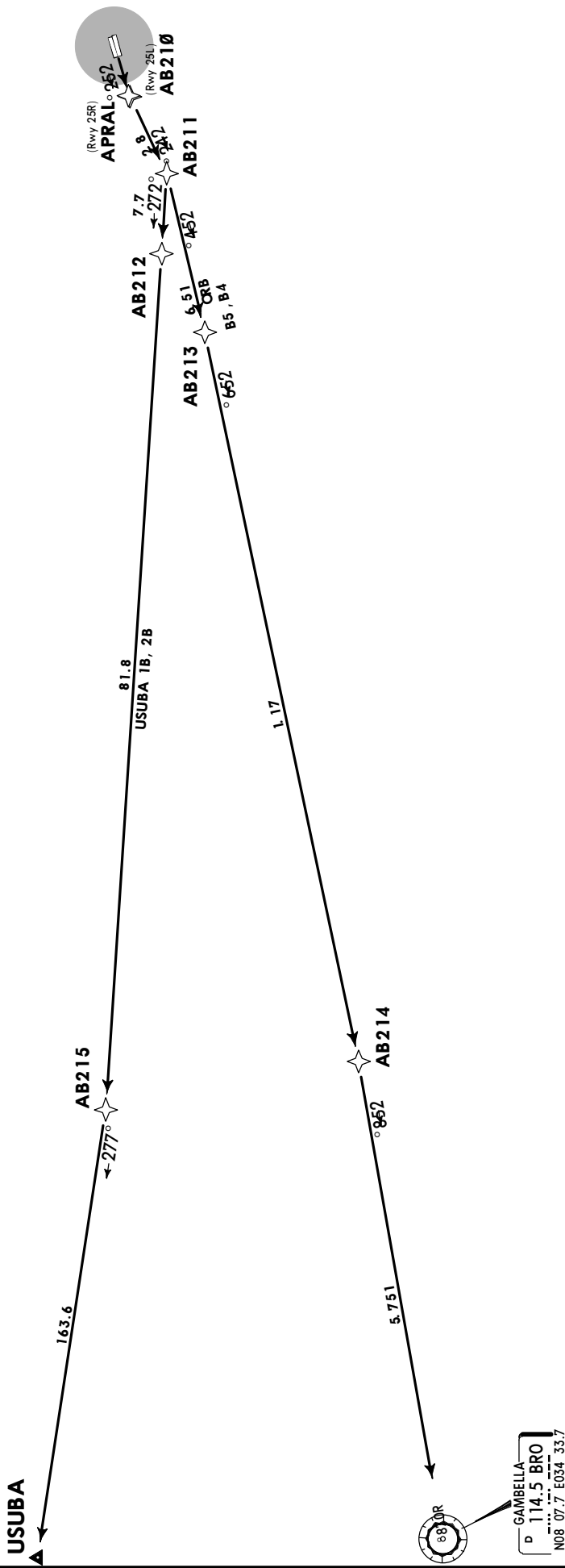
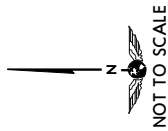
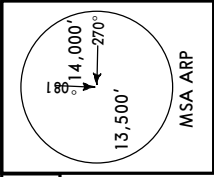
USUBA 1B [USUB1B]

RWY 25L RNAV DEPARTURES

BRO 5B [BRO5B]

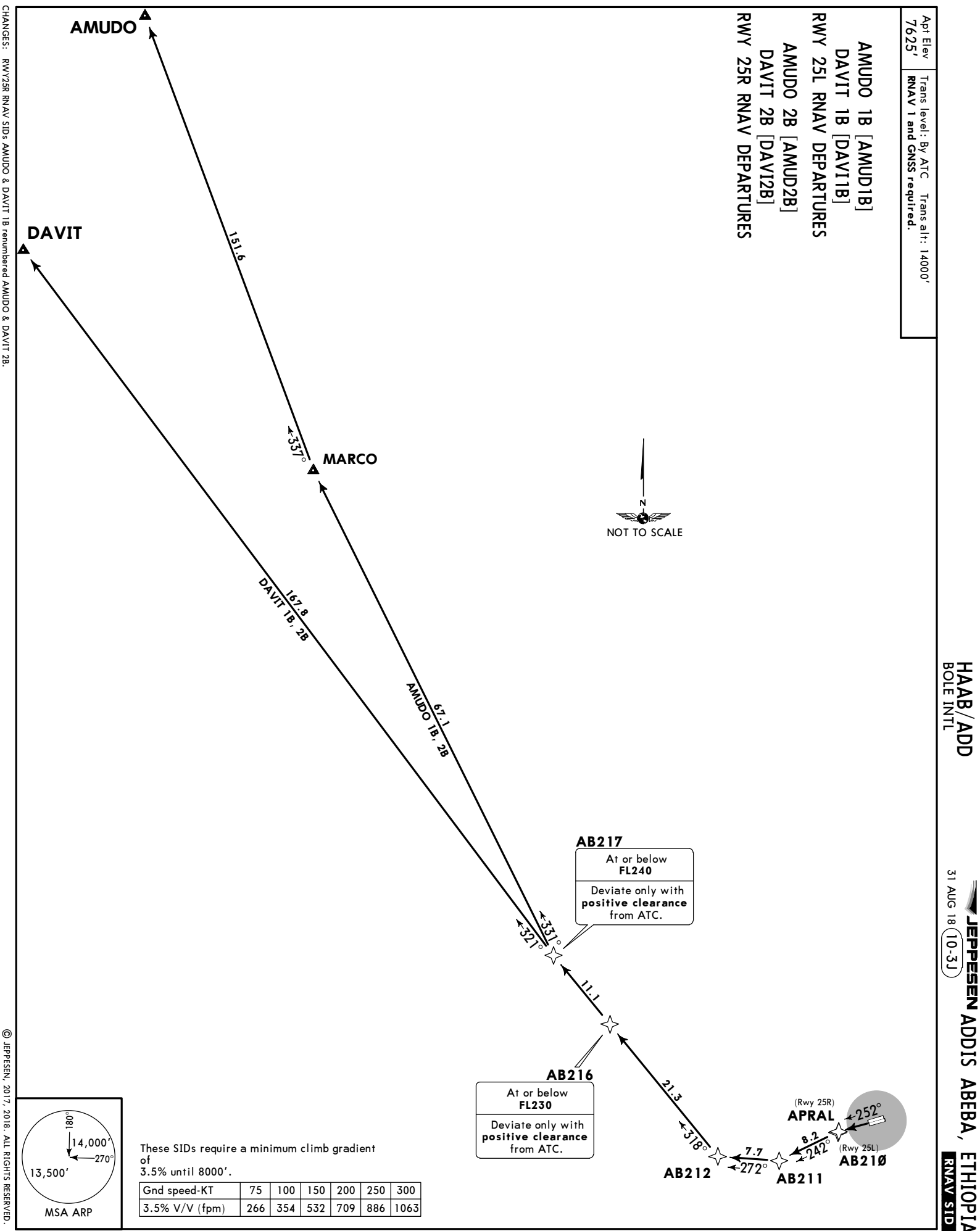
USUBA 2B [USUB2B]

RWY 25R RNAV DEPARTURES



These SIDs require a minimum climb gradient of 3.5% until 8000'.

Gnd speed-KT	75	100	150	200	250	300
3.5% V/V (fpm)	266	354	532	709	886	1063



CHANGES: RWY25R RNAV SIDs AMUDO & DAVIT 1B renumbered AMUDO & DAVIT 2B.

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HAAB/ADD
BOLE INTL

JEPPESEN **ADDIS ABEBA, ETHIOPIA**
20 JAN 17 **(10-3K)** **Eff 27 Jan**

SID

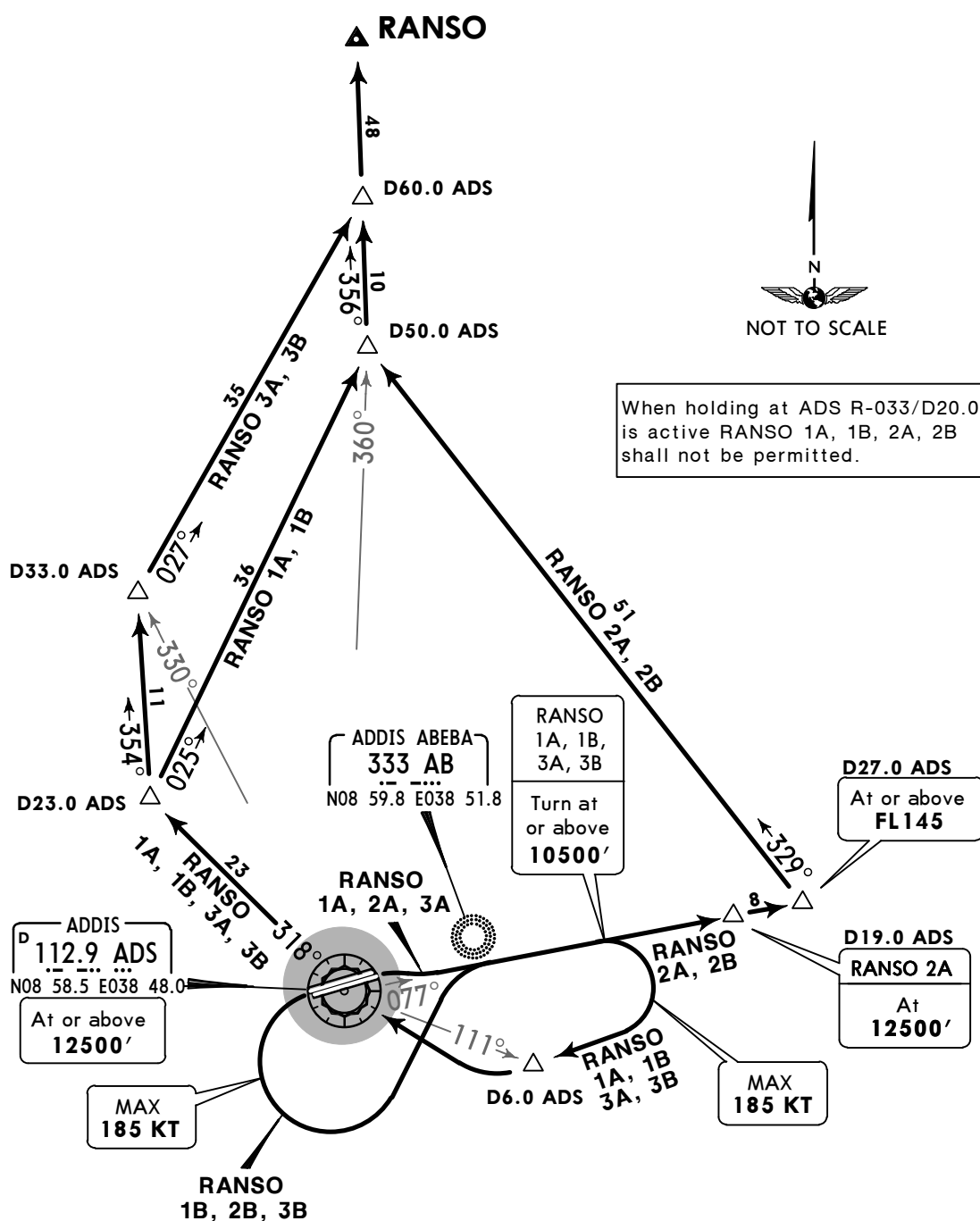
Apt Elev
7625'

Trans level: By ATC Trans alt: 14000'

14,000'

MSA
ADS VOR

RANSO 1A [RANS1A] , RANSO 2A [RANS2A]
RANSO 3A [RANS3A]
RANSO 1B [RANS1B] , RANSO 2B [RANS2B]
RANSO 3B [RANS3B]
RWYS 07L/R, 25L/R DEPARTURES



SID	RWY	INITIAL CLIMB
RANSO 1A, 3A	07L/R	Climb on ADS R-077 to at or above 10500', turn RIGHT to D6.0 ADS, turn RIGHT to ADS, ADS R-318 to D23.0 ADS, then follow respective procedure.
RANSO 2A		Climb on ADS R-077 and follow respective procedure.
RANSO 1B, 3B	25L/R	Turn as soon as practicable, intercept ADS R-077 to at or above 10500', turn RIGHT to D6.0 ADS, turn RIGHT to ADS, ADS R-318 to D23.0 ADS, then follow respective procedure.
RANSO 2B		Turn as soon as practicable, intercept ADS R-077, then follow respective procedure.

HAAB/ADD
BOLE INTL

JEPPESSEN ADDIS ABABA, ETHIOPIA
20 JAN 17 (10-3L) Eff 27 Jan SID

SID

Apt Elev
7625'

Trans level: By ATC Trans alt: 14000'

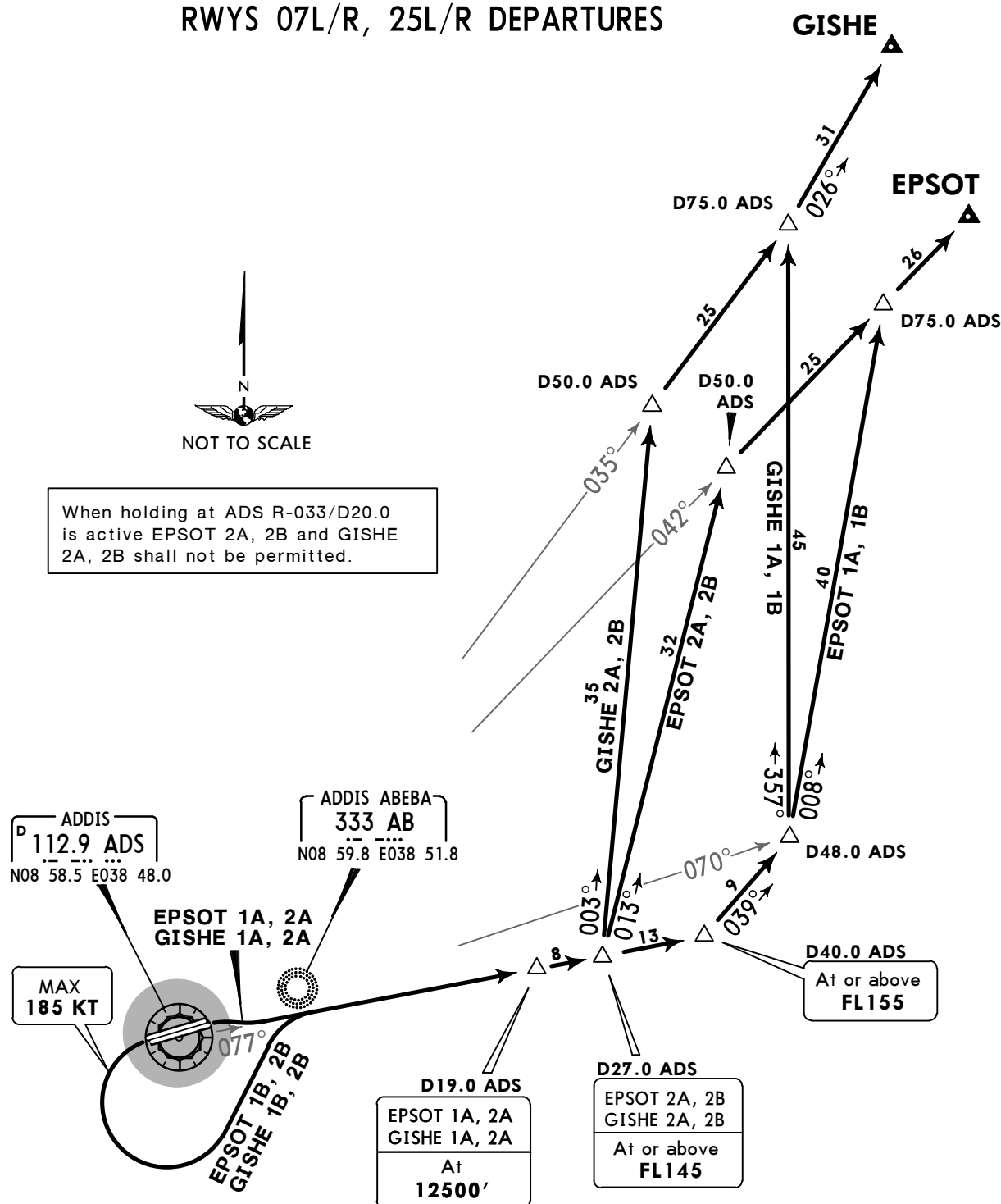
14,000'

MSA
ADS VOR

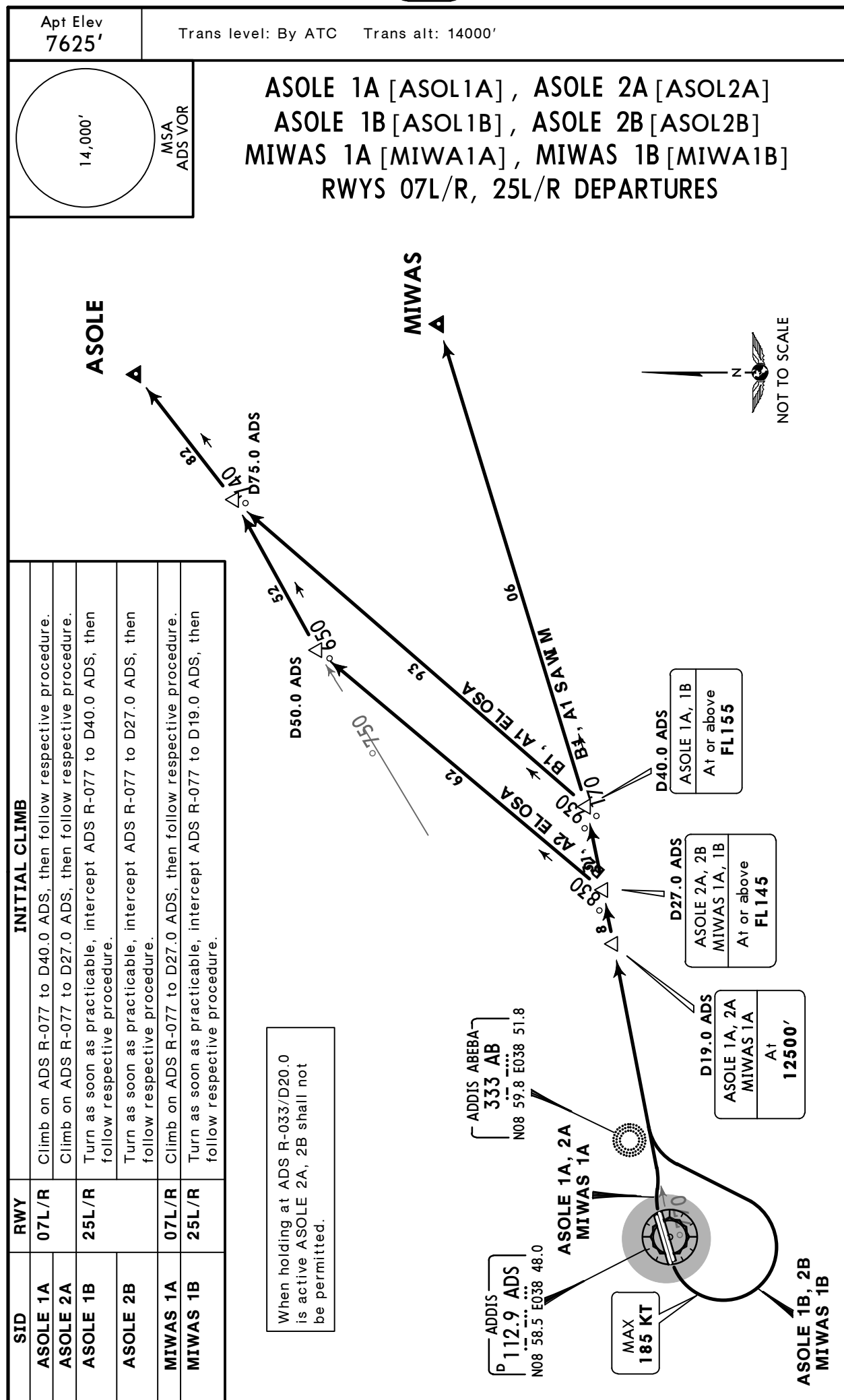
EPSOT 1A [EPSO1A], EPSOT 2A [EPSO2A]
EPSOT 1B [EPSO1B], EPSOT 2B [EPSO2B]
GISHE 1A [GISH1A], GISHE 2A [GISH2A]
GISHE 1B [GISH1B], GISHE 2B [GISH2B]
RWYS 07L/R, 25L/R DEPARTURES



When holding at ADS R-033/D20.0 is active EPSOT 2A, 2B and GISHE 2A, 2B shall not be permitted.



SID	RWY	INITIAL CLIMB
EPSOT 1A GISHE 1A	07L/R	Climb on ADS R-077 to D40.0 ADS, then follow respective procedure.
EPSOT 2A GISHE 2A		Climb on ADS R-077 to D27.0 ADS, then follow respective procedure.
EPSOT 1B GISHE 1B	25L/R	Turn as soon as practicable, intercept ADS R-077 to D40.0 ADS, then follow respective procedure.
EPSOT 2B GISHE 2B		Turn as soon as practicable, intercept ADS R-077 to D27.0 ADS, then follow respective procedure.

HAAB/ADD
BOLE INTL
JEPPesen **ADDIS ABEBA, ETHIOPIA**
 20 JAN 17 **10-3M** **Eff 27 Jan** **SID**


CHANGES: New chart (SIDs transferred).

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HAAB/ADD
BOLE INTL

JEPPESEN ADDIS ABEBA, ETHIOPIA
20 JAN 17 (10-3N) Eff 27 Jan **SID**

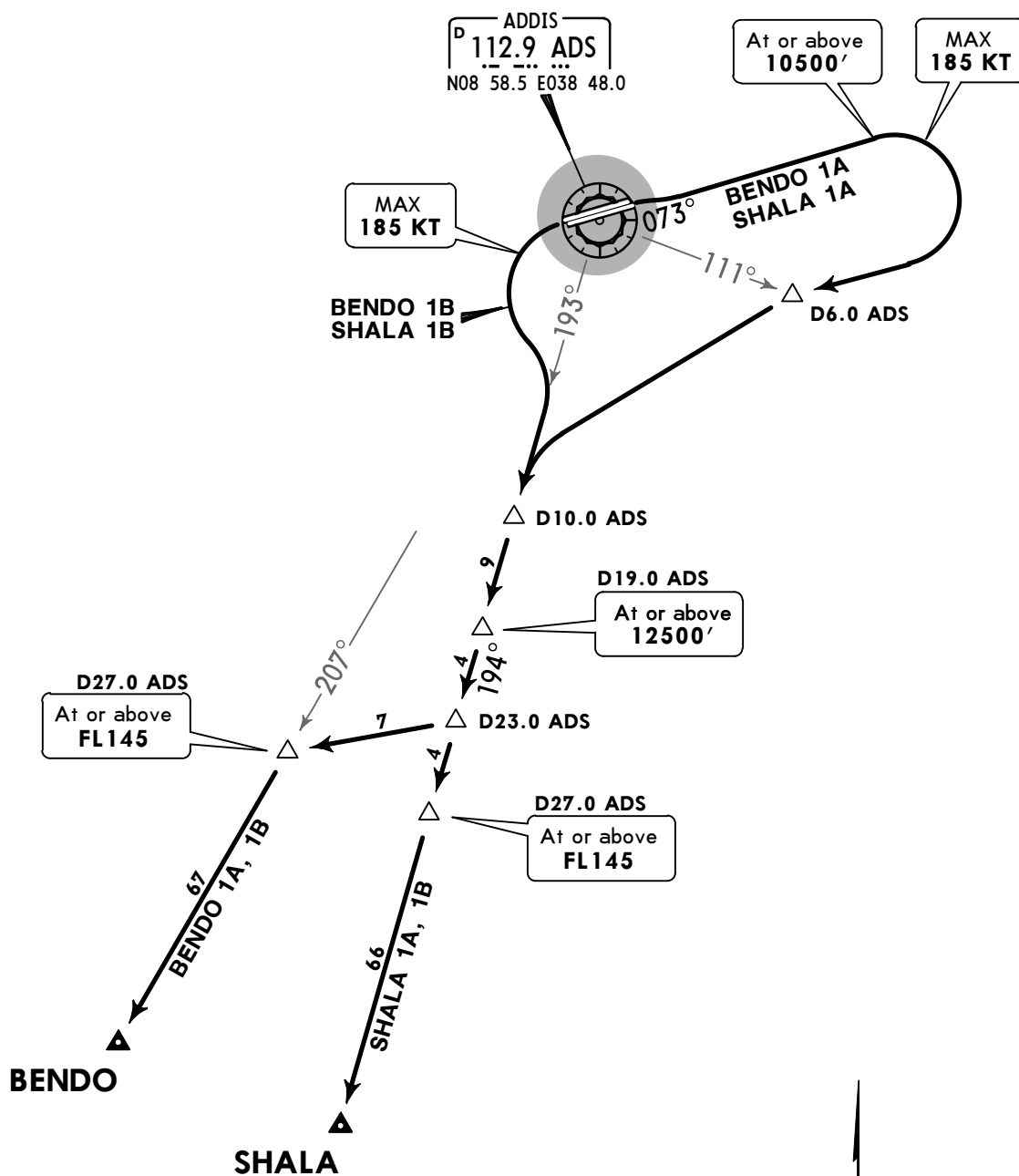
Apt Elev
7625'

Trans level: By ATC Trans alt: 14000'

14,000'

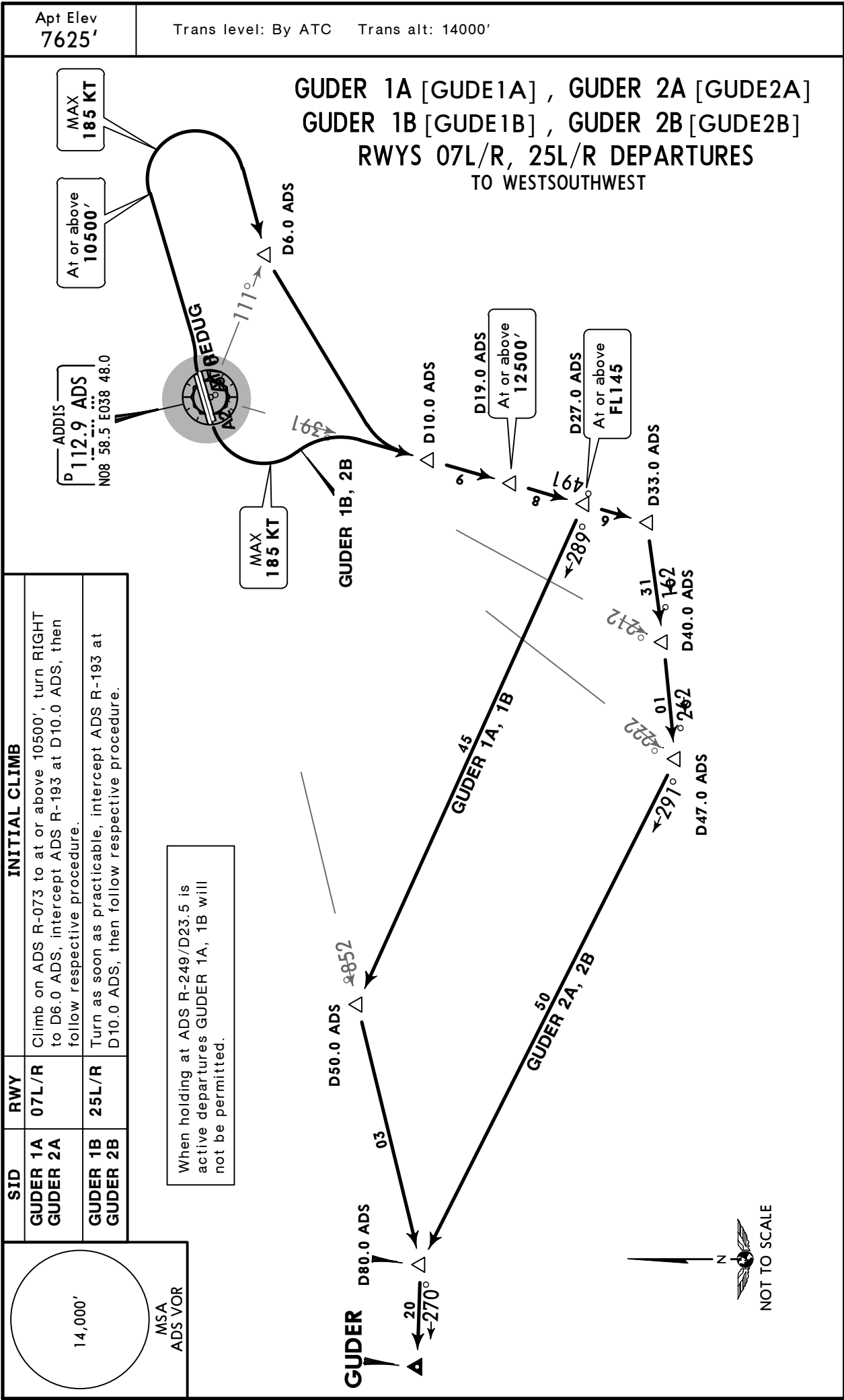
MSA
ADS VOR

BENDO 1A [BEND1A] , BENDO 1B [BEND1B]
SHALA 1A [SHAL1A] , SHALA 1B [SHAL1B]
RWYS 07L/R, 25L/R DEPARTURES



SID	RWY	INITIAL CLIMB
BENDO 1A SHALA 1A	07L/R	Climb on ADS R-073 to at or above 10500', turn RIGHT to D6.0 ADS, intercept ADS R-193 at D10.0 ADS, then follow respective procedure.
BENDO 1B SHALA 1B	25L/R	Turn as soon as practicable, intercept ADS R-193 at D10.0 ADS, then follow respective procedure.

HAAB/ADD
BOLE INTL

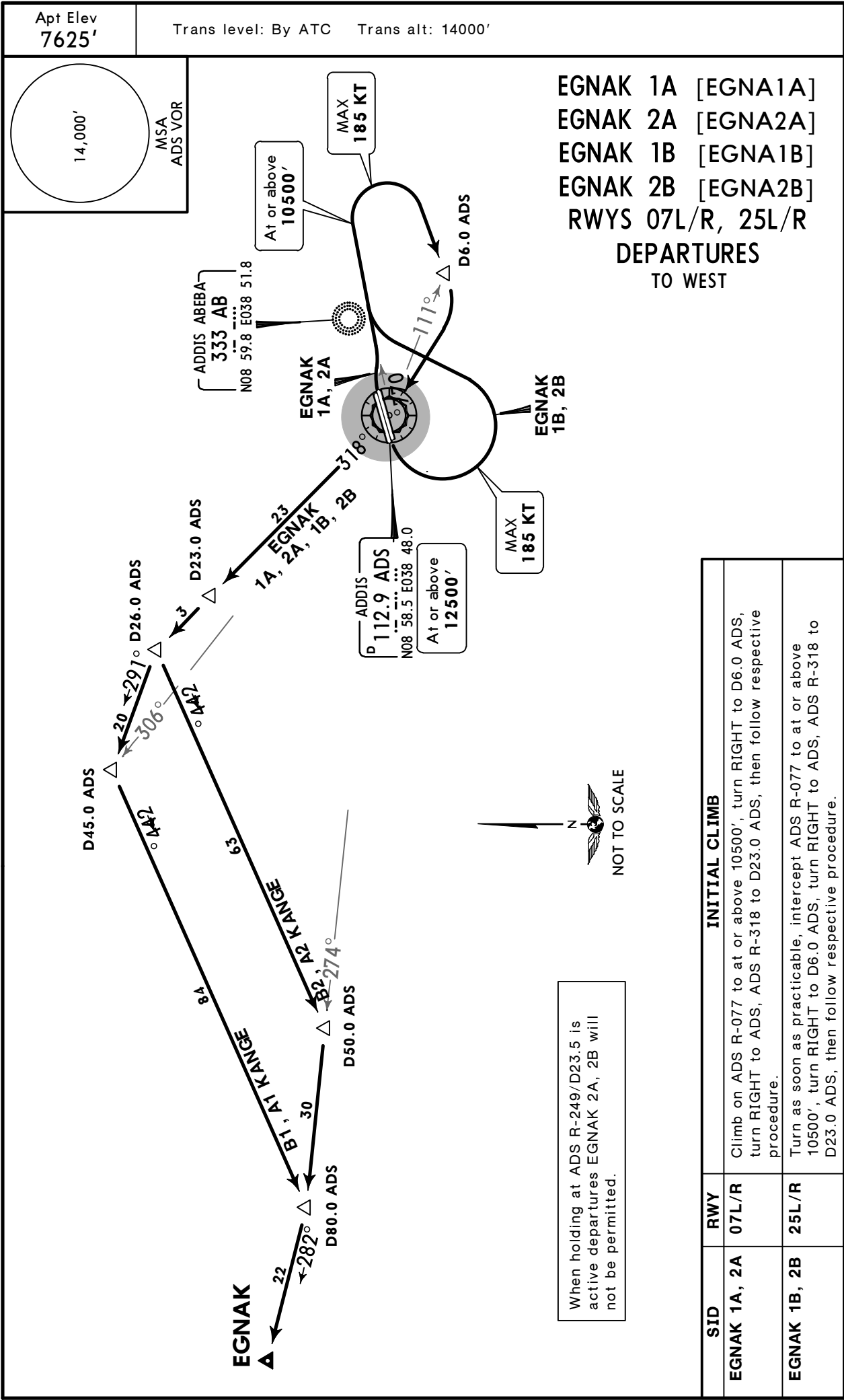


HAAB/ADD
BOLE INTL

JEPPESSEN
20 JAN 17 10-3S Eff 27 Jan

ADDIS ABEBA, ETHIOPIA

SID



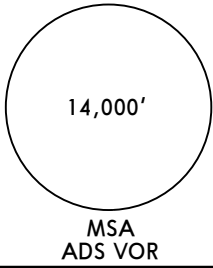
HAAB/ADD
BOLE INTL

JEPPesen ADDIS ABEBA, ETHIOPIA
20 JAN 17 10-3T Eff 27 Jan

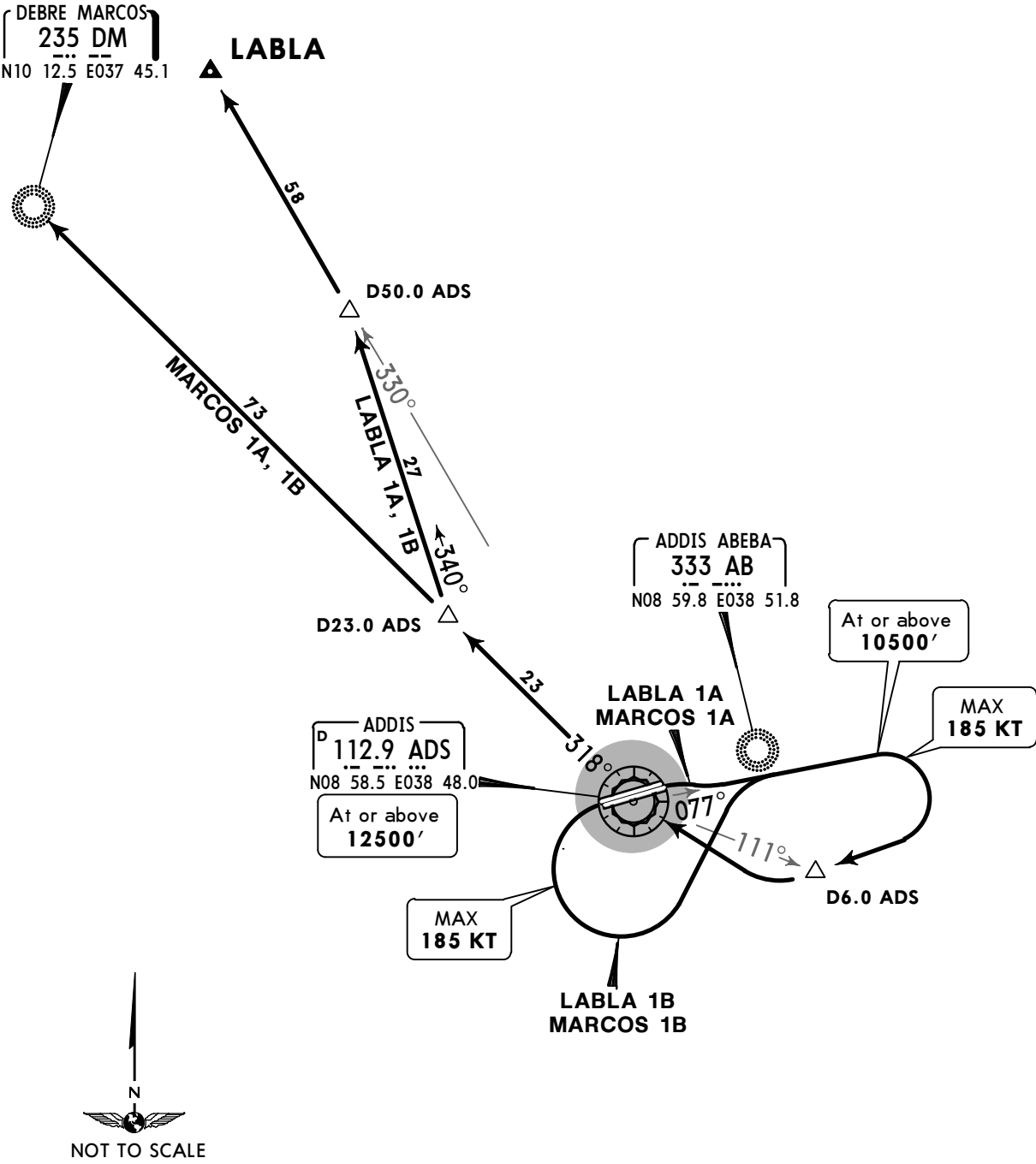
SID

Apt Elev
7625'

Trans level: By ATC Trans alt: 14000'



LABLA 1A [LABL1A], LABLA 1B [LABL1B]
MARCOS 1A [MARC1A], MARCOS 1B [MARC1B]
RWYS 07L/R, 25L/R DEPARTURES
TO NORTHWEST



SID	RWY	INITIAL CLIMB
LABLA 1A MARCOS 1A	07L/R	Climb on ADS R-077 to at or above, 10500', turn RIGHT to D6.0 ADS, turn RIGHT to ADS, ADS R-318 to D23.0 ADS, then follow respective procedure.
LABLA 1B MARCOS 1B	25L/R	Turn as soon as practicable, intercept ADS R-077 to at or above 10500', turn RIGHT to D6.0 ADS, turn RIGHT to ADS, ADS R-318 to D23.0 ADS, then follow respective procedure.

HAAB/ADD

Apt Elev **7625'**

N08 58.5 E038 48.0

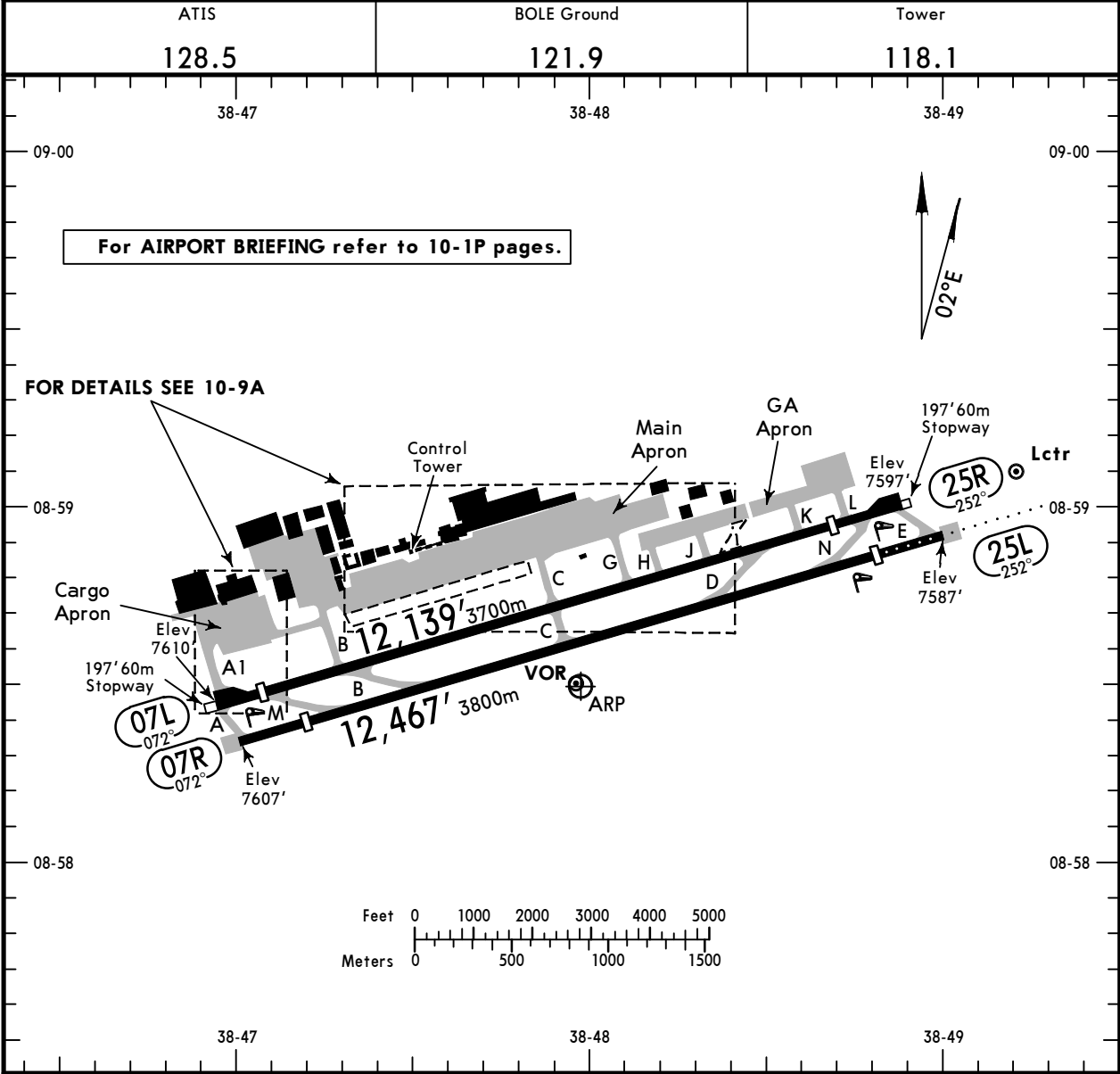


JEPPESSEN

ADDIS ABEBA, ETHIOPIA

31 JAN 20 **(10-9)**

BOLE INTL



ADDITIONAL RUNWAY INFORMATION

RWY				USABLE LENGTHS		TAKE-OFF	WIDTH
				LANDING	BEYOND		
				Threshold	Glide Slope		
07L 25R	HIRL (60m)	① ALS	PAPI-L (angle 2.95°)	11,073' 3375m			148' 45m
	HIRL (60m)	① ALS	PAPI (angle 3.0°)	10,909' 3325m			
07R 25L	HIRL (120m)	① ALS	PAPI-L (angle 3.0°)	11,286' 3440m			148' 45m
	HIRL (120m)	HIALS	PAPI-L (angle 3.0°)		10,253' 3125m		

① Configuration unknown.

TAKE-OFF

AIR CARRIER (JAA)

All Rwy's

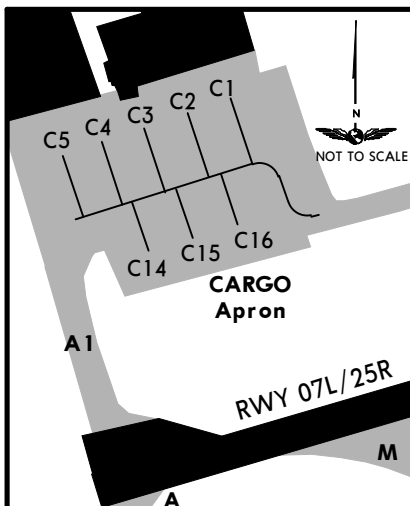
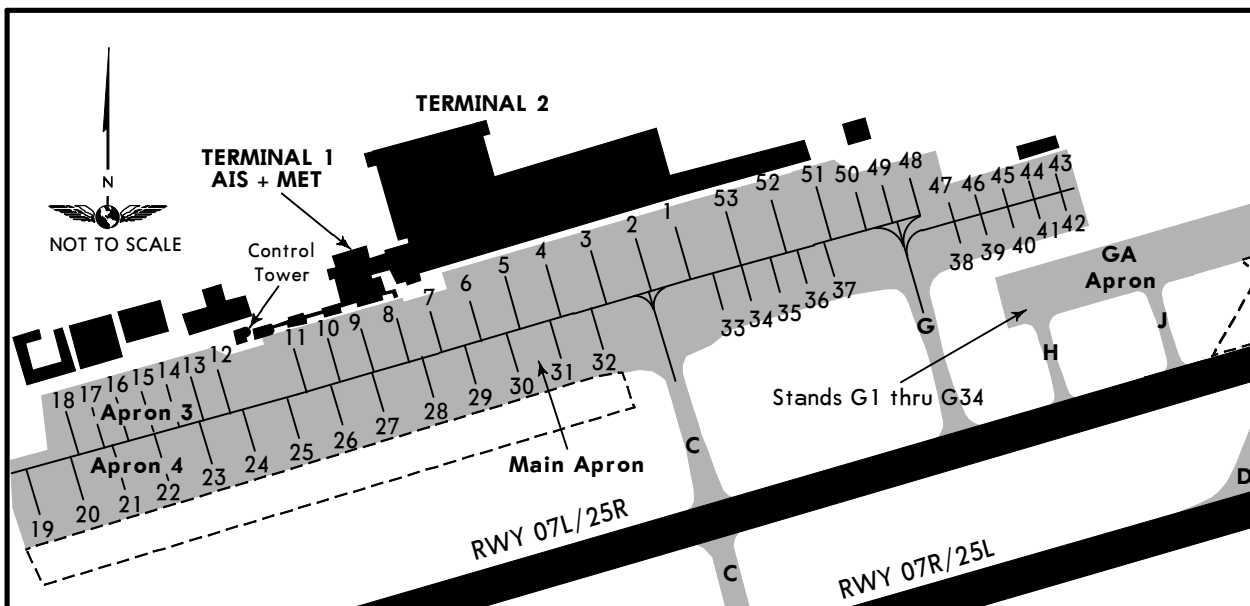
	LVP must be in force RCLM (DAY only) or RL	RCLM (DAY only) or RL
A		
B	250m	400m
C		
D	300m	

HAAB/ADD

JEPPesen ADDIS ABEBA, ETHIOPIA

31 JAN 20 (10-9A)

BOLE INTL



INS COORDINATES

STAND No.	COORDINATES	STAND No.	COORDINATES
Main Apron, Apron 3 & 4		GA Apron	
1	N08 59.0 E038 47.9	G1 thru G8	N08 58.9 E038 48.2
2, 3	N08 59.0 E038 47.8	G9 thru G11	N08 58.9 E038 48.3
4	N08 58.9 E038 47.8	G12 thru G15	N08 59.0 E038 48.3
5 thru 7	N08 58.9 E038 47.7	G16 thru G23	N08 59.0 E038 48.4
8 thru 10	N08 58.9 E038 47.6	G24 thru G28	N08 58.9 E038 48.3
11, 12	N08 58.9 E038 47.5	G29 thru G34	N08 58.9 E038 48.2
13 thru 17	N08 58.8 E038 47.4		
18	N08 58.8 E038 47.3		
19	N08 58.7 E038 47.3		
20 thru 22	N08 58.7 E038 47.4		
23	N08 58.7 E038 47.5		
24	N08 58.8 E038 47.5		
25 thru 27	N08 58.8 E038 47.6		
28 thru 30	N08 58.8 E038 47.7		
31, 32	N08 58.8 E038 47.8		
33, 34	N08 58.9 E038 47.9		
35 thru 37	N08 58.9 E038 48.0		
38, 39	N08 58.9 E038 48.1		
40 thru 44	N08 59.0 E038 48.2		
45 thru 48	N08 59.0 E038 48.1		
49 thru 51	N08 59.0 E038 48.0		
52, 53	N08 59.0 E038 47.9		
		CARGO Apron	
		C1	N08 58.7 E038 47.1
		C2, C3	N08 58.7 E038 47.0
		C4, C5	N08 58.7 E038 46.9
		C14, C15	N08 58.6 E038 47.0
		C16	N08 58.6 E038 47.1

HAAB/ADD
 **JEPPesen**
9 MAR 18 **10-9S**
Standard
ADDIS ABEBA, ETHIOPIA
BOLE INTL

STRAIGHT-IN RWY		A	B	C	D
07L	RNAV Z (LNAV/VNAV)	8070' (453') R1500m	8070' (453') R1500m	8070' (453') R2100m	8070' (453') R2100m
	RNAV Z ① (LNAV)	8250' (633') R1500m	8250' (633') R1500m	8250' (633') R2400m	8250' (633') R2400m
	RNAV ①	8250' (633') R1500m	8250' (633') R1500m	8250' (633') R2400m	8250' (633') R2400m
07R	RNAV Z (LNAV/VNAV)	8070' (452') R1500m	8070' (452') R1500m	8070' (452') R2100m	8070' (452') R2100m
	RNAV Y ① (LNAV)	8250' (632') R1500m	8250' (632') R1500m	8250' (632') R2400m	8250' (632') R2400m
	RNAV ①	8250' (632') R1500m	8250' (632') R1500m	8250' (632') R2400m	8250' (632') R2400m
25L	ILS Z FULL ALS out	7794' (200') R550m ② R1200m	7794' (200') R550m ② R1200m	7794' (200') R550m ② R1200m	7794' (200') R550m ② R1200m
	LOC Z ①	7970' (376') R1000m	7970' (376') R1000m	7970' (376') R1000m	7970' (376') R1000m
	ALS out	R1500m	R1500m	R1700m	R1700m
	ILS FULL ALS out	7794' (200') R550m ② R1200m	7794' (200') R550m ② R1200m	7794' (200') R550m ② R1200m	7794' (200') R550m ② R1200m
	LOC ①	7970' (376') R1000m	7970' (376') R1000m	7970' (376') R1000m	7970' (376') R1000m
	ALS out	R1500m	R1500m	R1700m	R1700m
	RNAV Z (LNAV/VNAV) ALS out	7940' (346') R900m R1500m	7940' (346') R900m R1500m	7940' (346') R900m R1600m	7940' (346') R900m R1600m
	RNAV Z ① (LNAV) ALS out	8130' (536') R1500m R1500m	8130' (536') R1500m R1500m	8130' (536') R1700m R2400m	8130' (536') R1700m R2400m
	RNAV ①③ ALS out	NOT APPLICABLE	NOT APPLICABLE	8020' (426') R1300m R2000m	8020' (426') R1300m R2000m
	VOR DME ① ALS out	8010' (416') R1200m R1500m	8010' (416') R1200m R1500m	8010' (416') R1200m R1900m	8010' (416') R1200m R1900m
25R	RNAV Z (LNAV/VNAV)	7990' (386') R1500m	7990' (386') R1500m	7990' (386') R1800m	7990' (386') R1800m
	RNAV Z ① (LNAV)	8150' (546') R1500m	8150' (546') R1500m	8150' (546') R2400m	8150' (546') R2400m
	RNAV ①③	NOT APPLICABLE	NOT APPLICABLE	8020' (416') R1900m	8020' (416') R1900m
	VOR DME ① via Arc	NOT APPLICABLE	NOT APPLICABLE	8000' (396') R1800m	8000' (396') R1800m
	VOR DME ①	8010' (406') R1500m	8010' (406') R1500m	8010' (406') R1900m	8010' (406') R1900m
	VOR DME ① with AB and BL NDB 2 NDB	8000' (396') R1500m 8020' (416') R2200m	8000' (396') R1500m 8020' (416') R2200m	NOT APPLICABLE 8020' (416') R2400m	NOT APPLICABLE 8020' (416') R2400m

① Continuous Descent Final Approach.

② W/o HUD/AP/FD: RVR 750m.

③ MACG MIM 4.0%.

CHANGES: Minimums rwy 25L.

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HAAB/ADD



Standard
ADDIS ABEBA, ETHIOPIA
BOLE INTL

CIRCLE-TO-LAND ①②	100 KT	135 KT	180 KT	205 KT
	③ 8110'(485')	③ 8150'(525')	8650'(1025')	8650'(1025')
After RNAV 25L/25R (with MACG 4.0%)	NOT APPLICABLE	NOT APPLICABLE	8650'(1025')	8650'(1025')
After VOR DME 25R via Arc	NOT APPLICABLE	NOT APPLICABLE	8650'(1025')	8650'(1025')
After VOR DME 25R with AB and BL NDB	8110'(485')	8150'(525')	NOT APPLICABLE	NOT APPLICABLE
	③ V1500m	③ V1600m	V2400m	V3600m

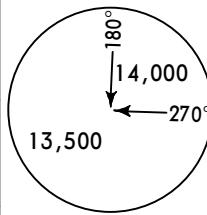
- ① After apch Rwy 25R/25L and RNAV Rwy 07L/07R:
Not authorized North of runway between R-315 ADS and R-068 ADS.
② After apch RNAV Z/Y Rwy 07R/L: Not authorized North of runway.
③ or higher minimums of preceding straight-in approach.

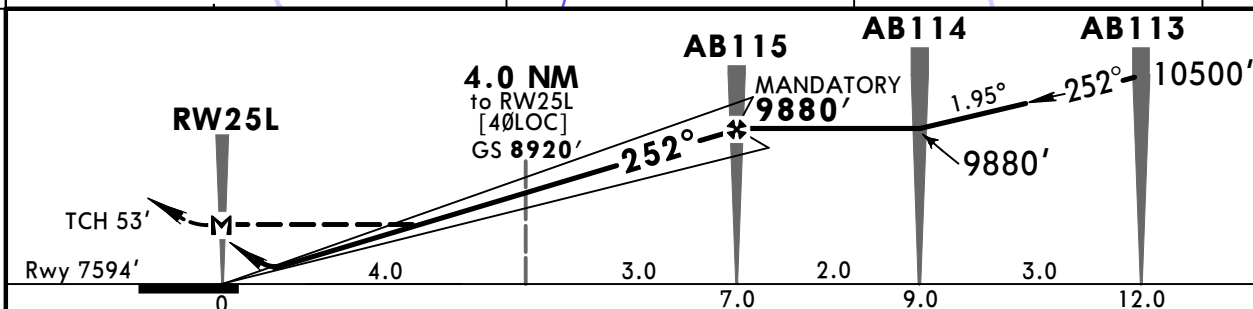
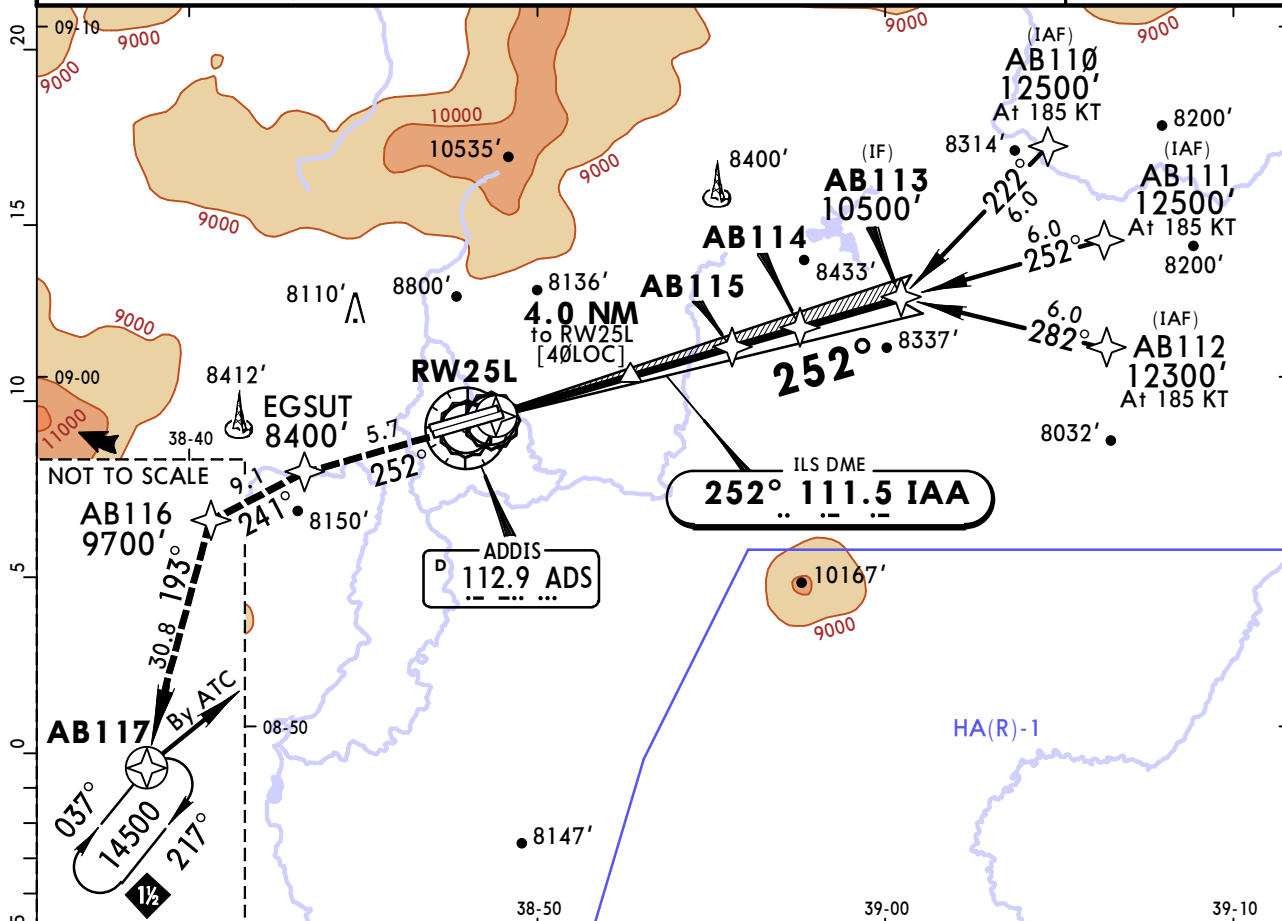
TAKE-OFF		
	Low Visibility Take-off	
	Day: RL & RCLM Night: RL	Day: RL or RCLM Night: RL
A		Adequate vis ref (Day only)
B		
C	R300m	400m
D		500m

HAAB/ADD
BOLE INTL
JEPPESSEN
 16 NOV 18 (11-1)

ADDIS ABEBA, ETHIOPIA
ILS Z Rwy 25L

BRIEFING STRIP TM

ATIS		BOLE Approach		BOLE Tower		Ground	
128.5		119.7		118.1		121.9	
LOC IAA 111.5	Final Apch Crs 252°	GS 4.0 NM to RW25L 8920' (1326')	ILS DA(H) 7794' (200')	Apt Elev 7625' Rwy 7594'			
MISSED APCH: Climb on rwy track to EGSUT, then to AB116, then to AB117 climbing to 14500' and hold, or as directed. MAX 185 KT until passing AB116.							
Alt Set: hPa		Rwy Elev: 249 hPa		Trans level: By ATC			
RNAV 1 & GNSS required.						MSA ARP	



Gnd speed-Kts	70	90	100	120	140	160	HIALS		EGSUT	
ILS GS or LOC Descent Angle	3.00°	372	478	531	637	743	849		185 KT MAX	↑
MAP at RW25L										

STRAIGHT-IN LANDING RWY 25L				CIRCLE-TO-LAND			
ILS		LOC (GS out)		Not auth North of rwy btn R-315 ADS and R-068 ADS			
DA(H) 7794' (200')		MDA(H) 7970' (376')					
FULL		ALS out		Max Kts	MDA(H)		
A	800m	1200m	800m	100	8110' (485')		1600m
				135	8150' (525')		1600m
				180	8650' (1025')		4800m
				205			
B							
C							
D							

CHANGES: ATIS added.

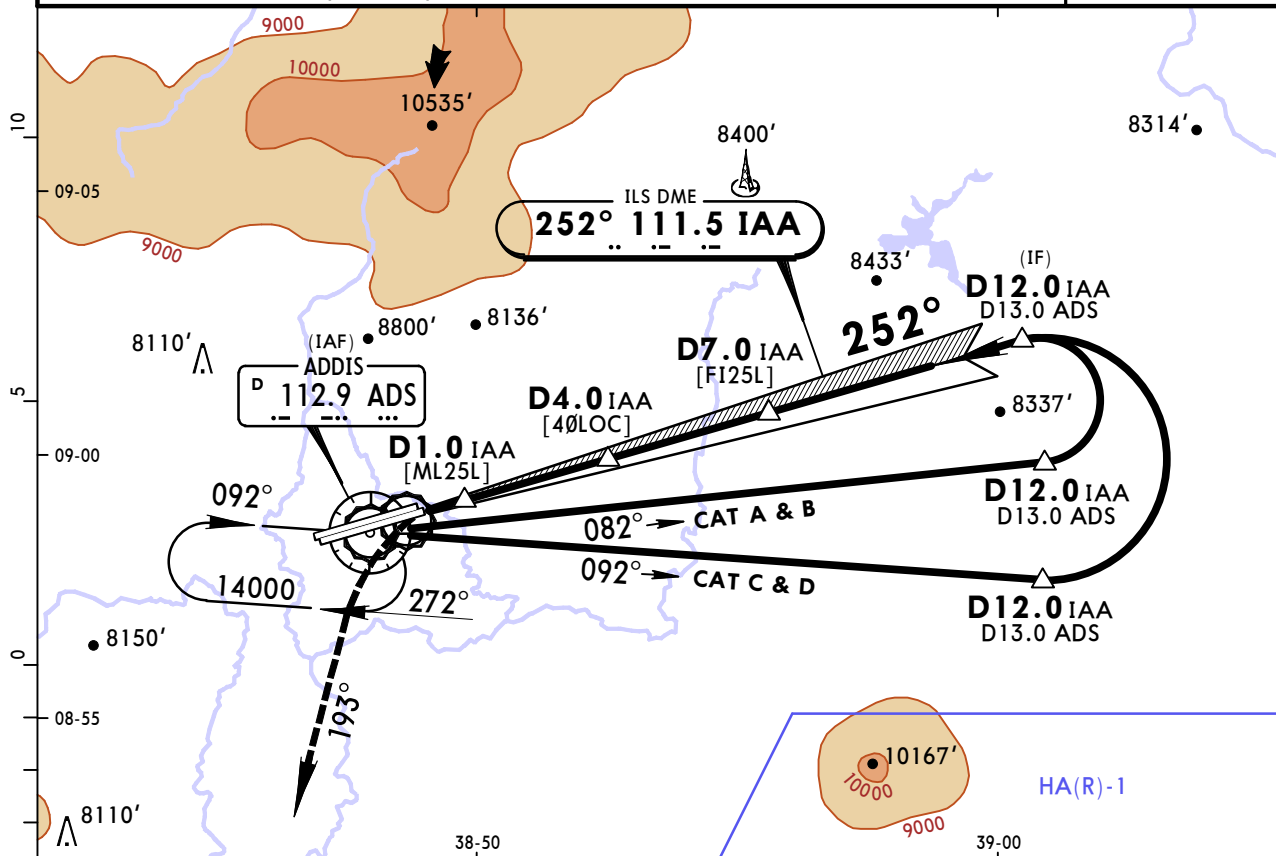
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HAAB/ADD
BOLE INTL
JEPPESSEN
16 NOV 18 (11-2)

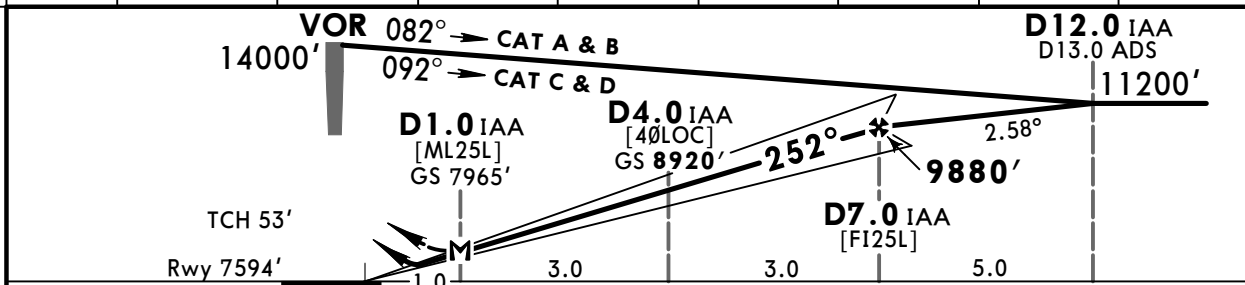
ADDIS ABEBA, ETHIOPIA
ILS Rwy 25L

BRIEFING STRIP

ATIS 128.5		BOLE Approach 119.7		BOLE Tower 118.1		Ground 121.9	
LOC IAA 111.5	Final Apch Crs 252°	GS D4.0 IAA 8920' (1326')	ILS DA(H) 7794' (200')	Apt Elev 7625' Rwy 7594'		14,000 MSA ADS VOR	
MISSED APCH: Turn LEFT as soon as practicable (MAX 185 KT) to intercept R-193 ADS climbing to 14000', then turn RIGHT to join VOR holding.							
Alt Set: hPa Rwy Elev: 249 hPa Trans level: By ATC Trans alt: 14000' ILS DME reads zero at rwy 25L displaced threshold.							



LOC (GS out)	IAA DME	1.0	2.0	3.0	4.0	5.0	6.0	7.0
	ALTITUDE	7970'	8290'	8610'	8930'	9250'	9570'	9880'



Gnd speed-Kts	70	90	100	120	140	160	HIALS PAPI Refer to Missed Apch above
ILS GS or LOC Descent Angle	3.00°	372	478	531	637	743	
MAP at D1.0 IAA							

STRAIGHT-IN LANDING RWY 25L				CIRCLE-TO-LAND			
ILS		LOC (GS out)		Not auth North of rwy btn R-315 ADS and R-068 ADS			
DA(H) 7794' (200')		MDA(H) 7970' (376')					
FULL	ALS out	FULL	ALS out	Max Kts	MDA(H)		
A				100	8110' (485')	1600m	
B				135	8150' (525')	1600m	
C	800m	1200m		180	8650' (1025')	4800m	
D				205			

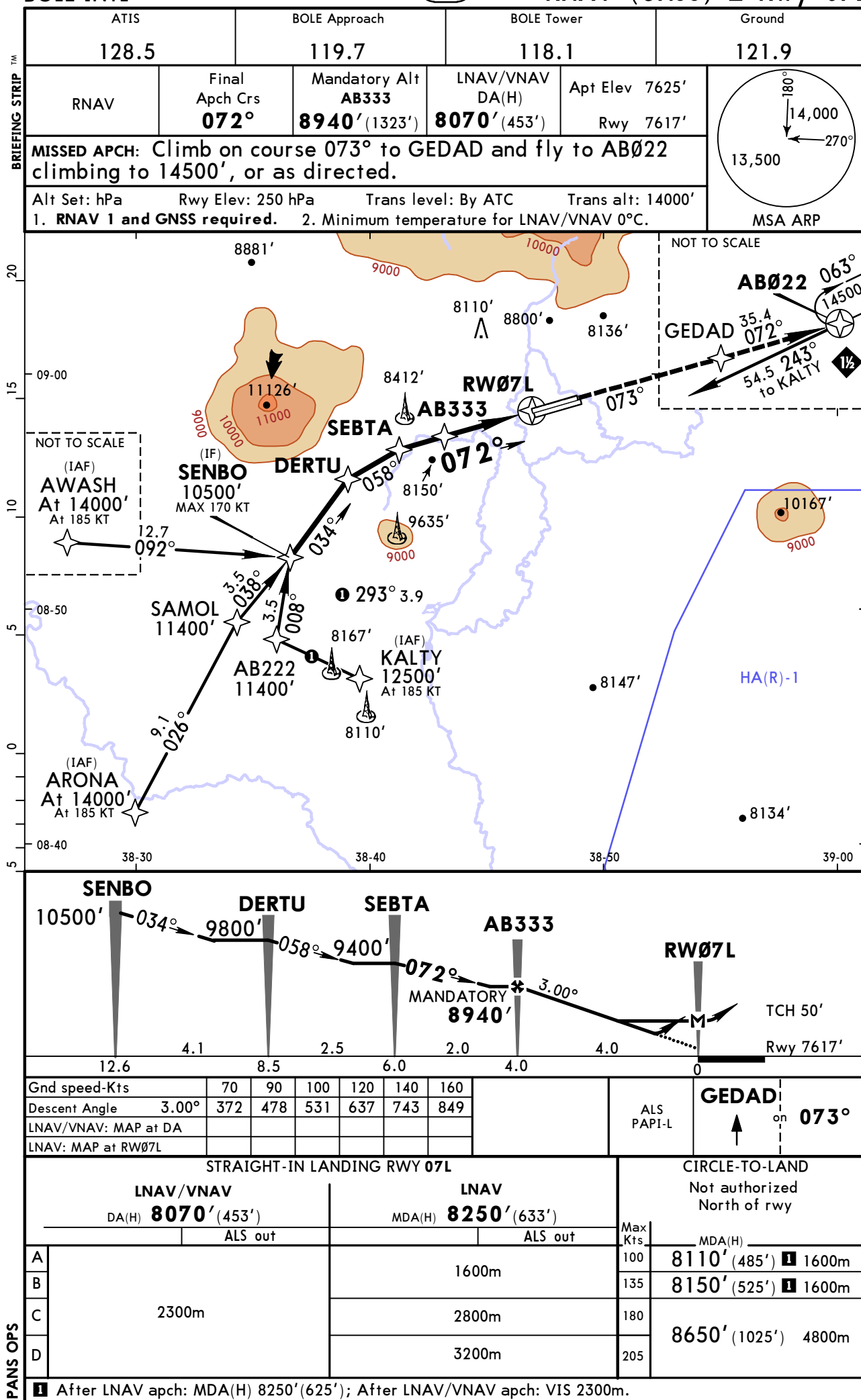
CHANGES: ATIS added.

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HAAB/ADD
BOLE INTL

16 NOV 18

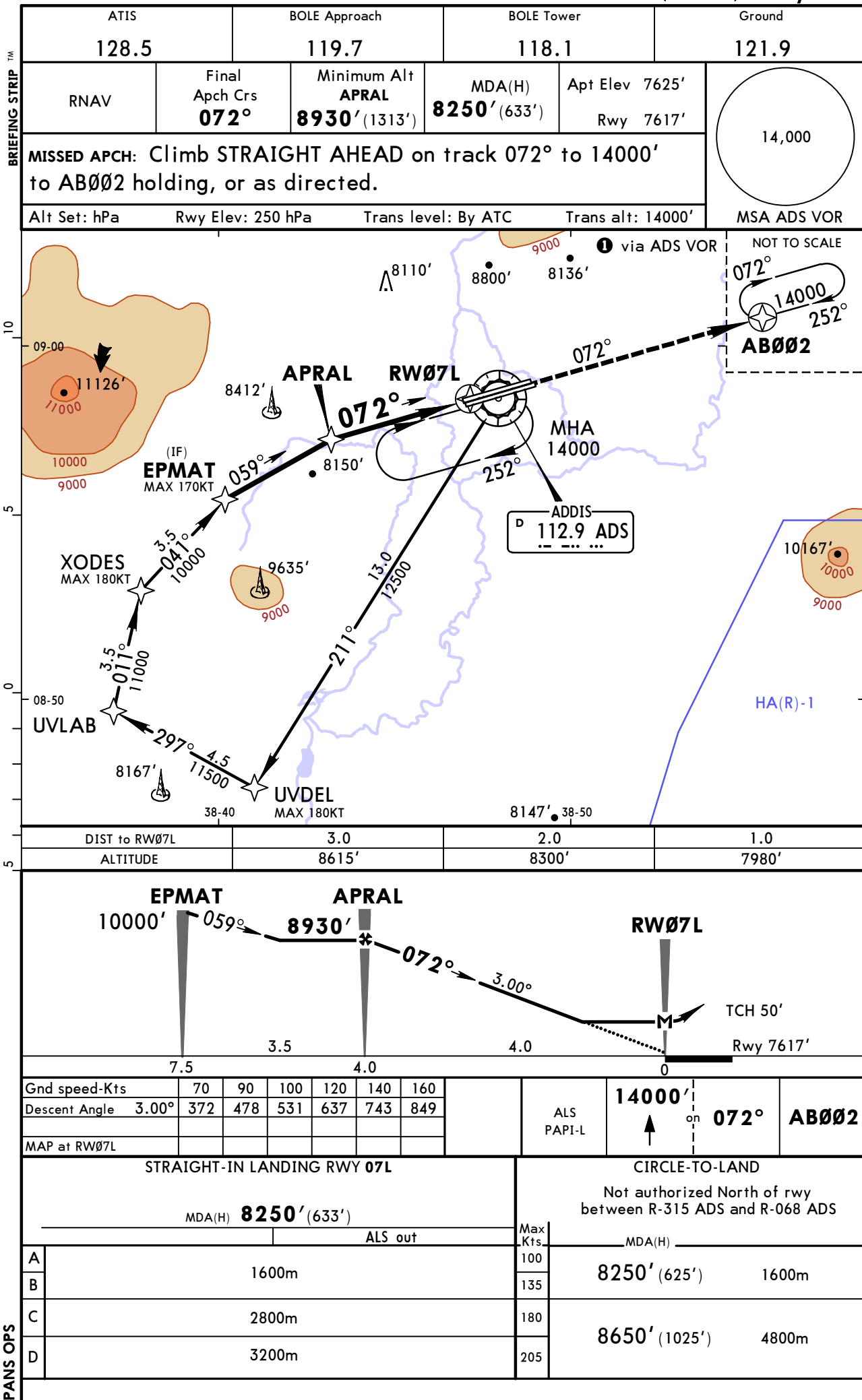
(12-1)

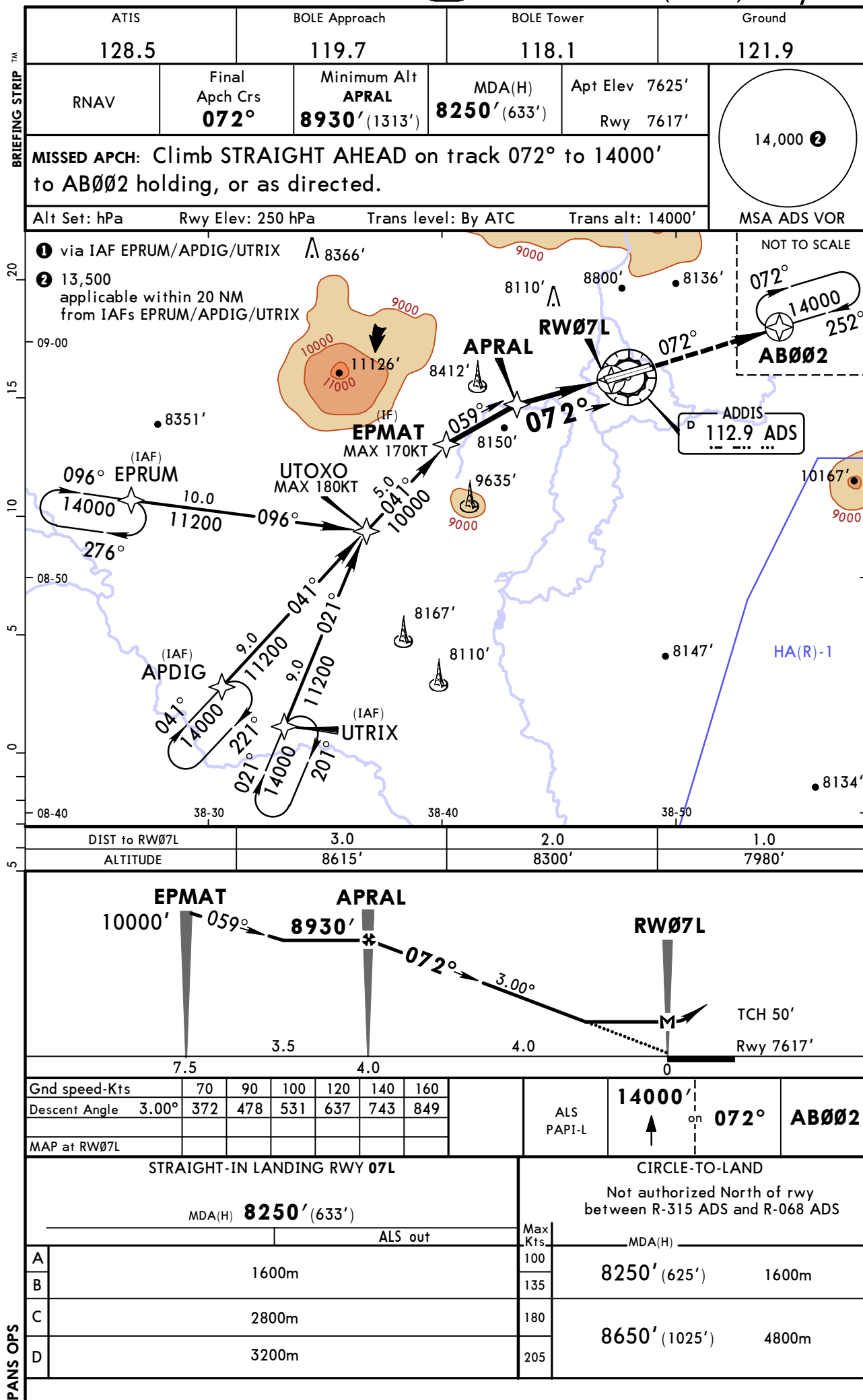
JEPPESSEN **ADDIS ABEBA, ETHIOPIA**
RNAV (GNSS) Z Rwy 07L


HAAB/ADD BOLE INTL

16 NOV 18 (12-2)

ADDIS ABEBA, ETHIOPIA
• RNAV (GNSS) Rwy 07L

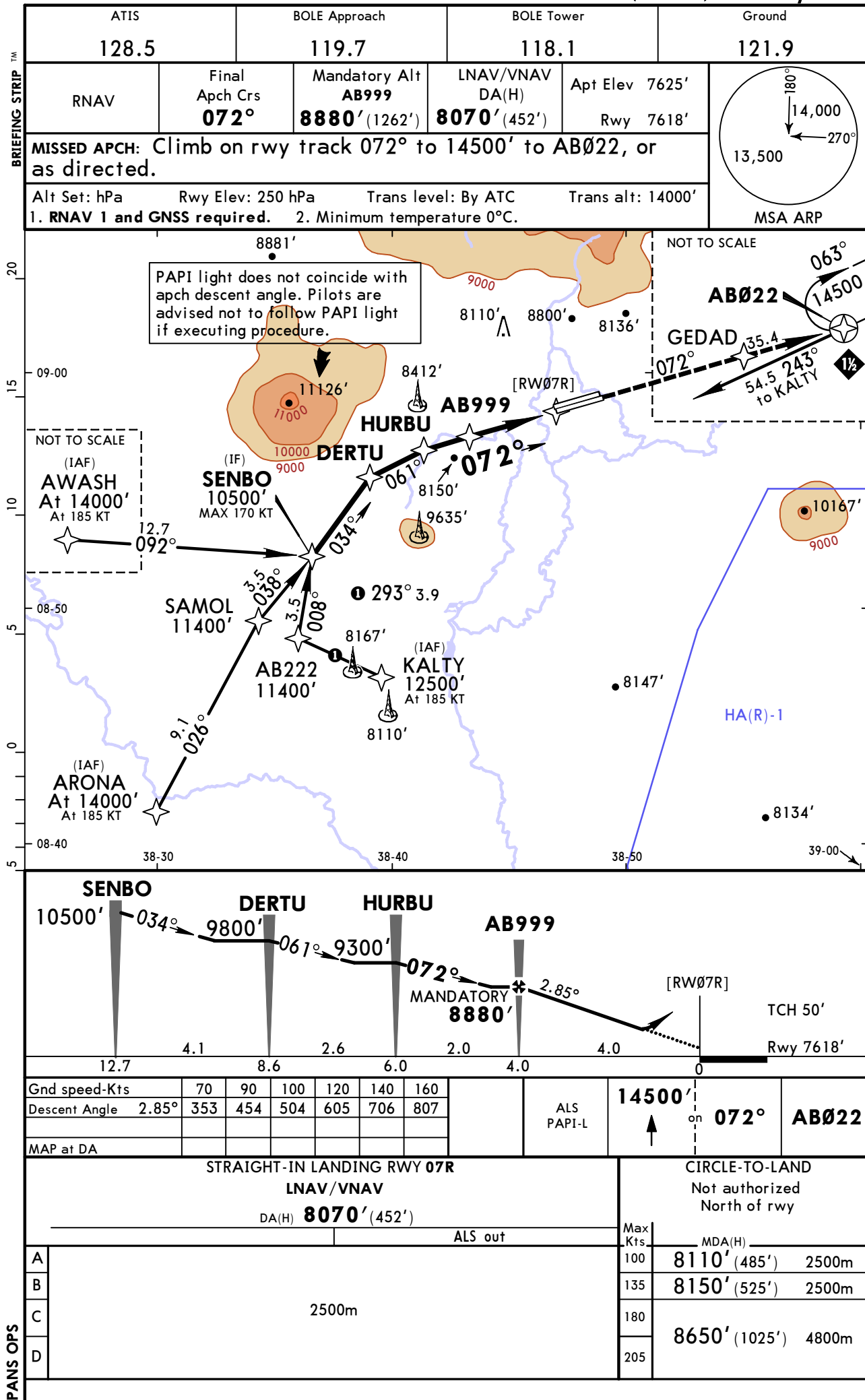


HAAB/ADD
BOLE INTL
JEPPESSEN
 16 NOV 18 **(12-3)**
ADDIS ABEBA, ETHIOPIA
• RNAV (GNSS) Rwy 07L


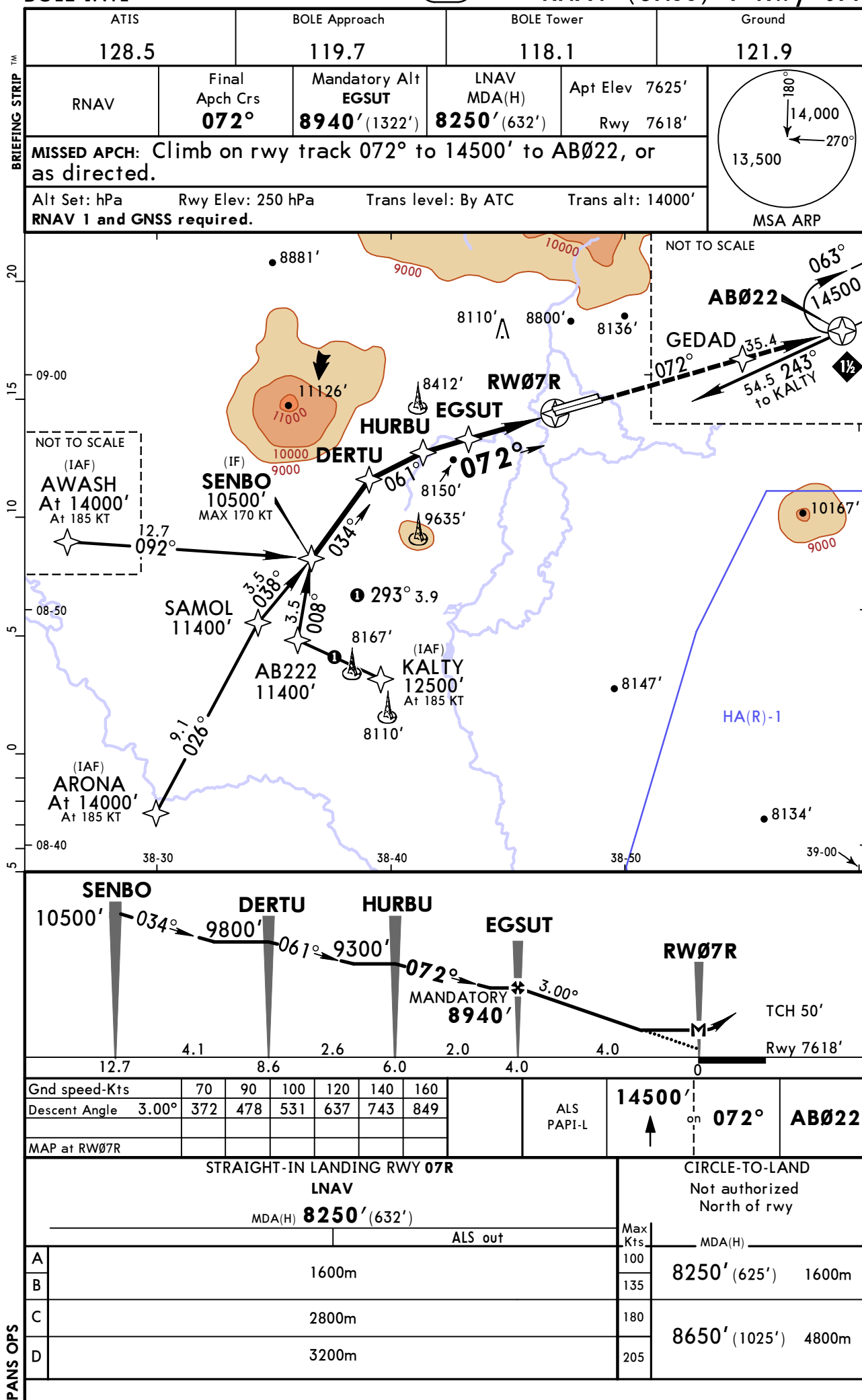
HAAB/ADD BOLE INTL

16 NOV 18 (12-4)

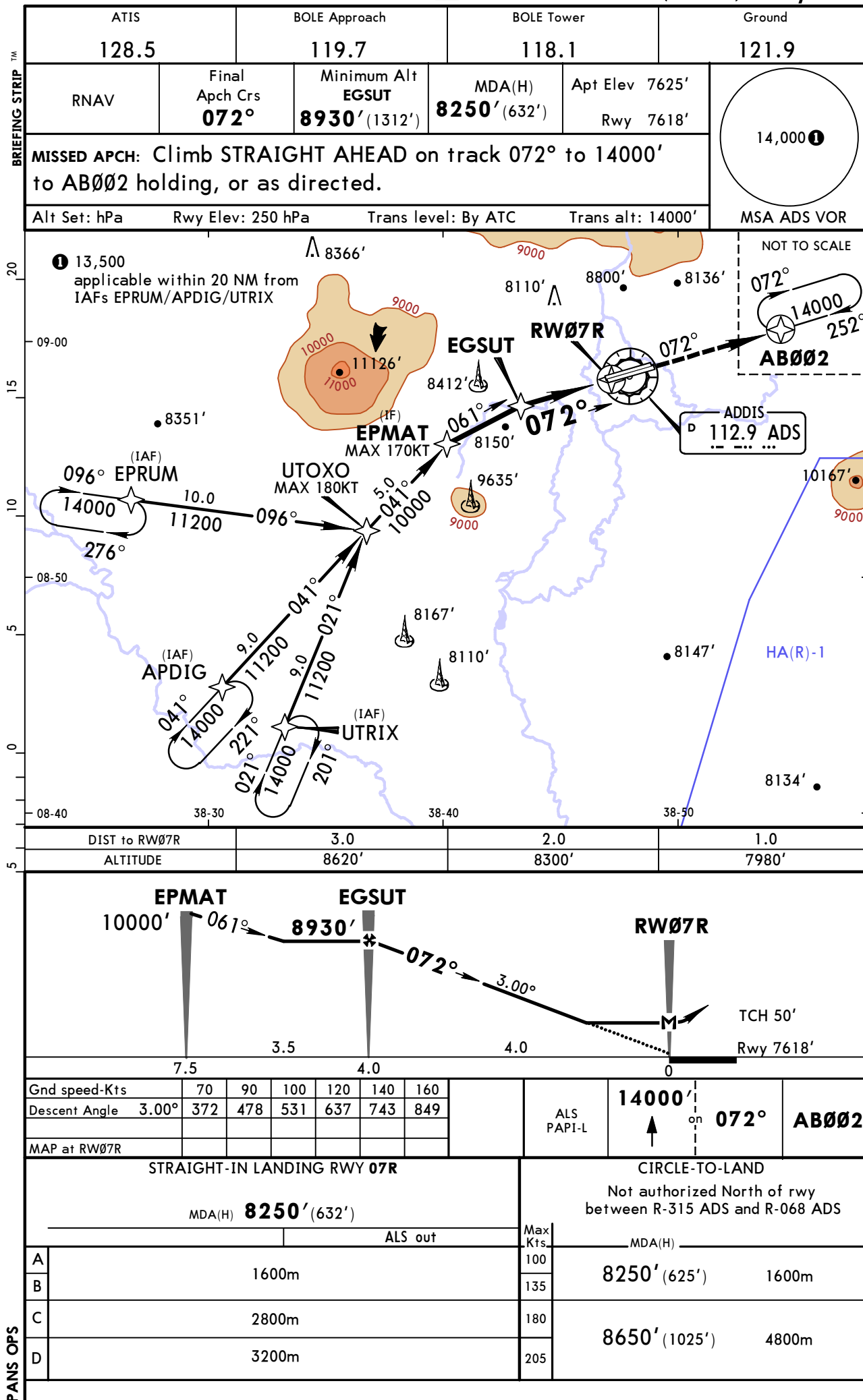
ADDIS ABEBA, ETHIOPIA RNAV (GNSS) Z Rwy 07R



HAAB/ADD
BOLE INTL
JEPPESSEN
 16 NOV 18 (12-5)

ADDIS ABEBA, ETHIOPIA
RNAV (GNSS) Y Rwy 07R


HAAB/ADD
BOLE INTL
JEPPESSEN
16 NOV 18 (12-6)

ADDIS ABEBA, ETHIOPIA
RNAV (GNSS) Rwy 07R


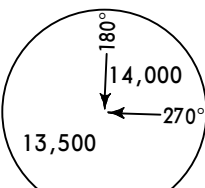
CHANGES: ATIS added.

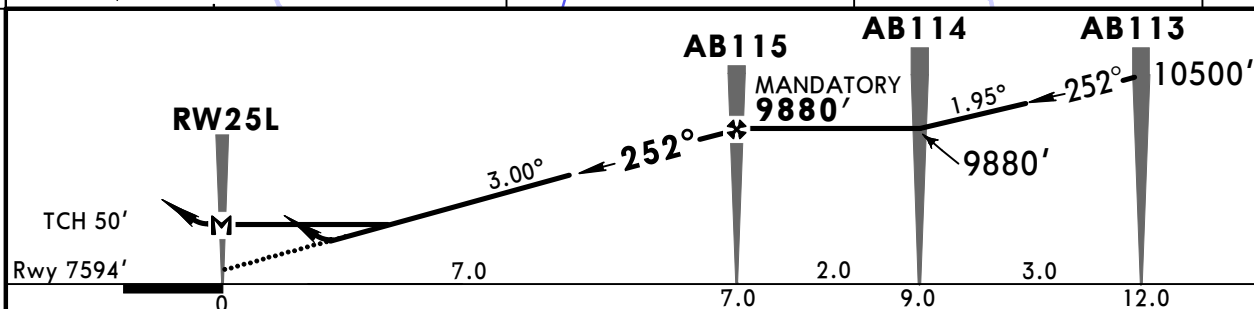
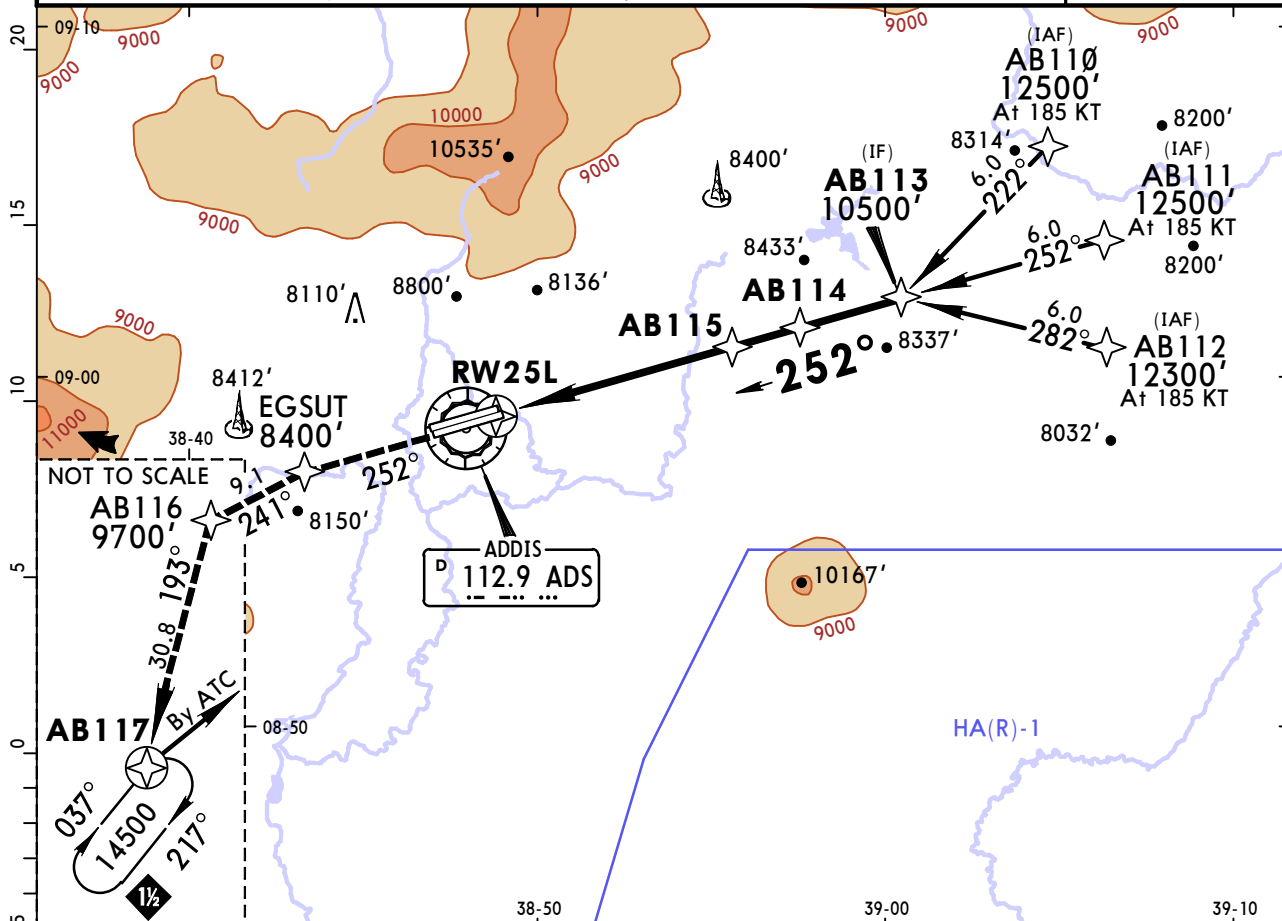
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HAAB/ADD
BOLE INTL
JEPPESEN
 16 NOV 18 (12-7)

ADDIS ABEBA, ETHIOPIA
RNAV (GNSS) Z Rwy 25L

BRIEFING STRIP™

ATIS 128.5		BOLE Approach 119.7		BOLE Tower 118.1		Ground 121.9	
RNAV	Final Apch Crs 252°	Mandatory Alt AB115 9880' (2286')	LNAV/VNAV DA(H) 7940' (346')	Apt Elev 7625' Rwy 7594'			
MISSED APCH: Climb on rwy track to EGSUT, then to AB116, then to AB117 climbing to 14500' and hold, or as directed. MAX 185 KT until passing AB116.							MSA ARP
Alt Set: hPa		Rwy Elev: 249 hPa		Trans level: By ATC		Trans alt: 14000'	
1. RNAV 1 & GNSS required.		2. Minimum temperature for LNAV/VNAV 0°C.					



Gnd speed-Kts	70	90	100	120	140	160	HIALS		EGSUT	
Descent Angle	3.00°	372	478	531	637	743	PAPI		185 KT MAX	
LNAV/VNAV: MAP at DA										
LNAV: MAP at RW25L										

STRAIGHT-IN LANDING RWY 25L				CIRCLE-TO-LAND			
LNAV/VNAV		LNAV		Not auth North of rwy btn R-315 ADS and R-068 ADS			
DA(H) 7940' (346')		MDA(H) 8130' (536')					
ALS out		ALS out		Max Kts	MDA(H)		
A	900m	1700m	800m	100	8110' (485') 1 2 1600m		
			1600m	135	8150' (525') 2 1600m		
			1600m	180	8650' (1025') 4800m		
			2000m	205			

1 After LNAV apch: MDA(H) 8130' (505'). **2** After LNAV/VNAV apch: VIS 1700m.

CHANGES: ATIS added.

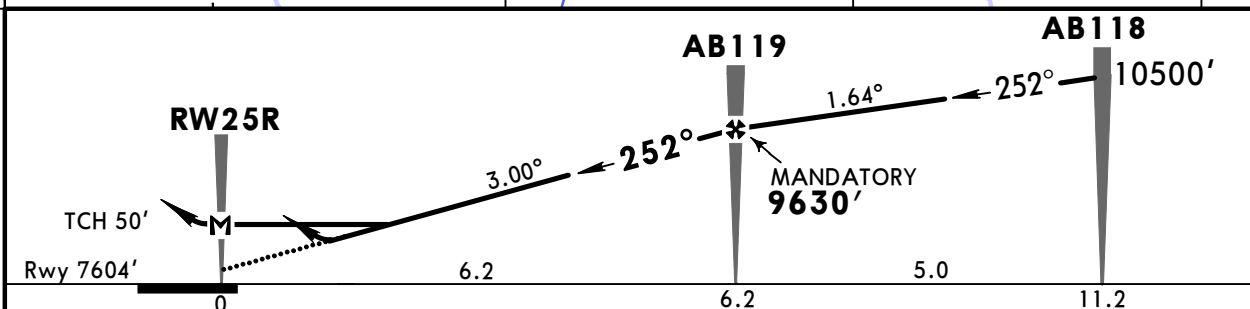
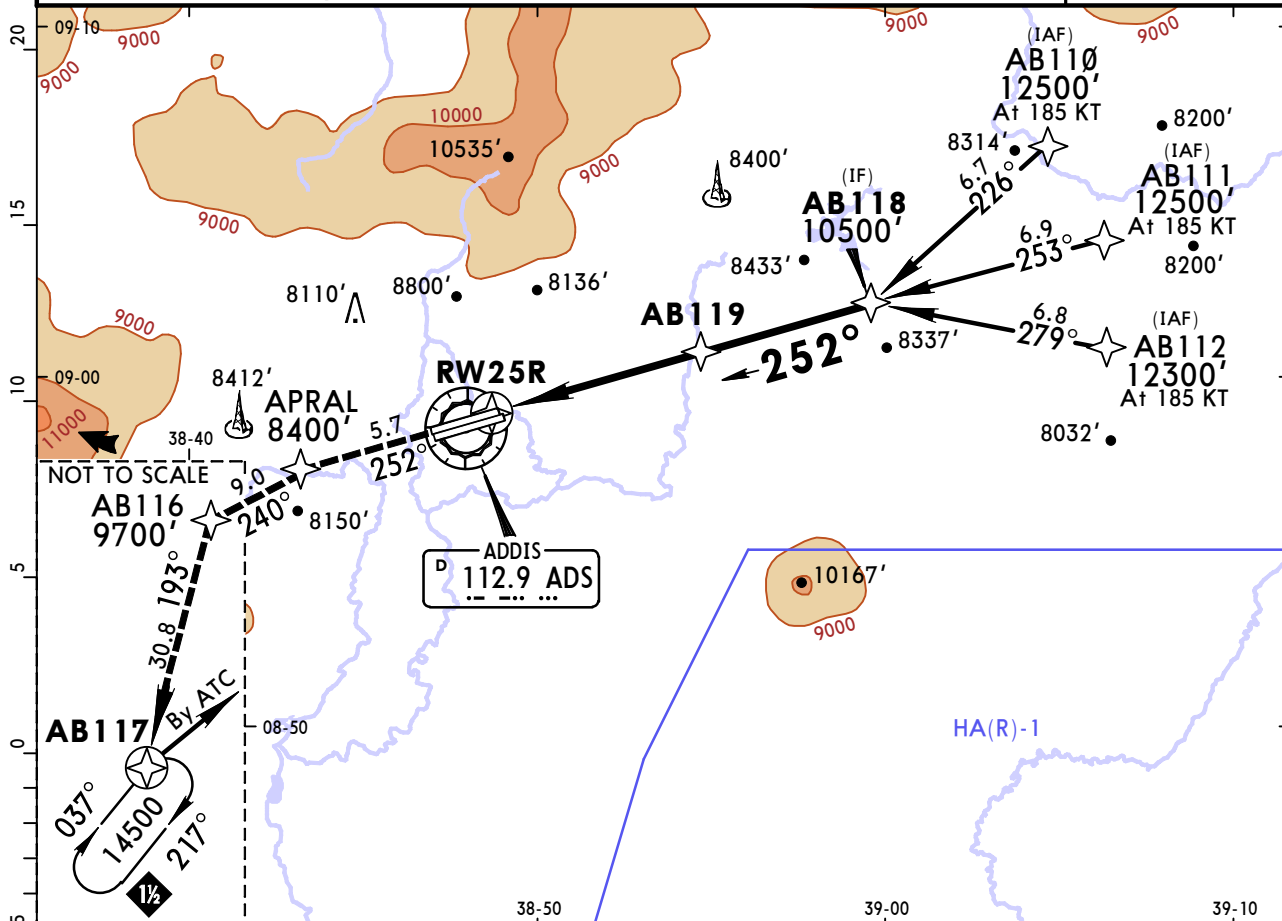
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BOLE INTL
JEPPESSEN
16 NOV 18 (12-9)

ADDIS ABEBA, ETHIOPIA
RNAV (GNSS) Z Rwy 25R

BRIEFING STRIP™

ATIS 128.5		BOLE Approach 119.7		BOLE Tower 118.1		Ground 121.9	
RNAV	Final Apch Crs 252°	Mandatory Alt AB119 9630' (2026')	LNAV/VNAV DA(H) 7990' (386')	Apt Elev 7625' Rwy 7604'	180° 14,000 270° 13,500 MSA ARP		
MISSED APCH: Climb on rwy track to APRAL, then to AB116, then to AB117 climbing to 14500' and hold, or as directed.							
MAX 185 KT until passing AB116.							
Alt Set: hPa Rwy Elev: 249 hPa Trans level: By ATC Trans alt: 14000'							
1. RNAV 1 & GNSS required. 2. Minimum temperature for LNAV/VNAV 0°C.							



Gnd speed-Kts	70	90	100	120	140	160	ALS PAPI	185 KT MAX	APRAL ↑
Descent Angle 3.00°	372	478	531	637	743	849			
LNAV/VNAV: MAP at DA									
LNAV: MAP at RW25R									

STRAIGHT-IN LANDING RWY 25R				CIRCLE-TO-LAND			
LNAV/VNAV		LNAV		Not auth North of rwy btn R-315 ADS and R-068 ADS			
DA(H) 7990' (386')		MDA(H) 8150' (546')					
ALS out		ALS out		Max Kts	MDA(H)		
2000m		1600m		100	8110' (485') 1 2 1600m		
				135	8150' (525') 2 1600m		
				180	8650' (1025') 4800m		
				205			

1 After LNAV apch: MDA(H) 8150' (525'). **2** After LNAV/VNAV apch: VIS 2000m.

CHANGES: ATIS added.

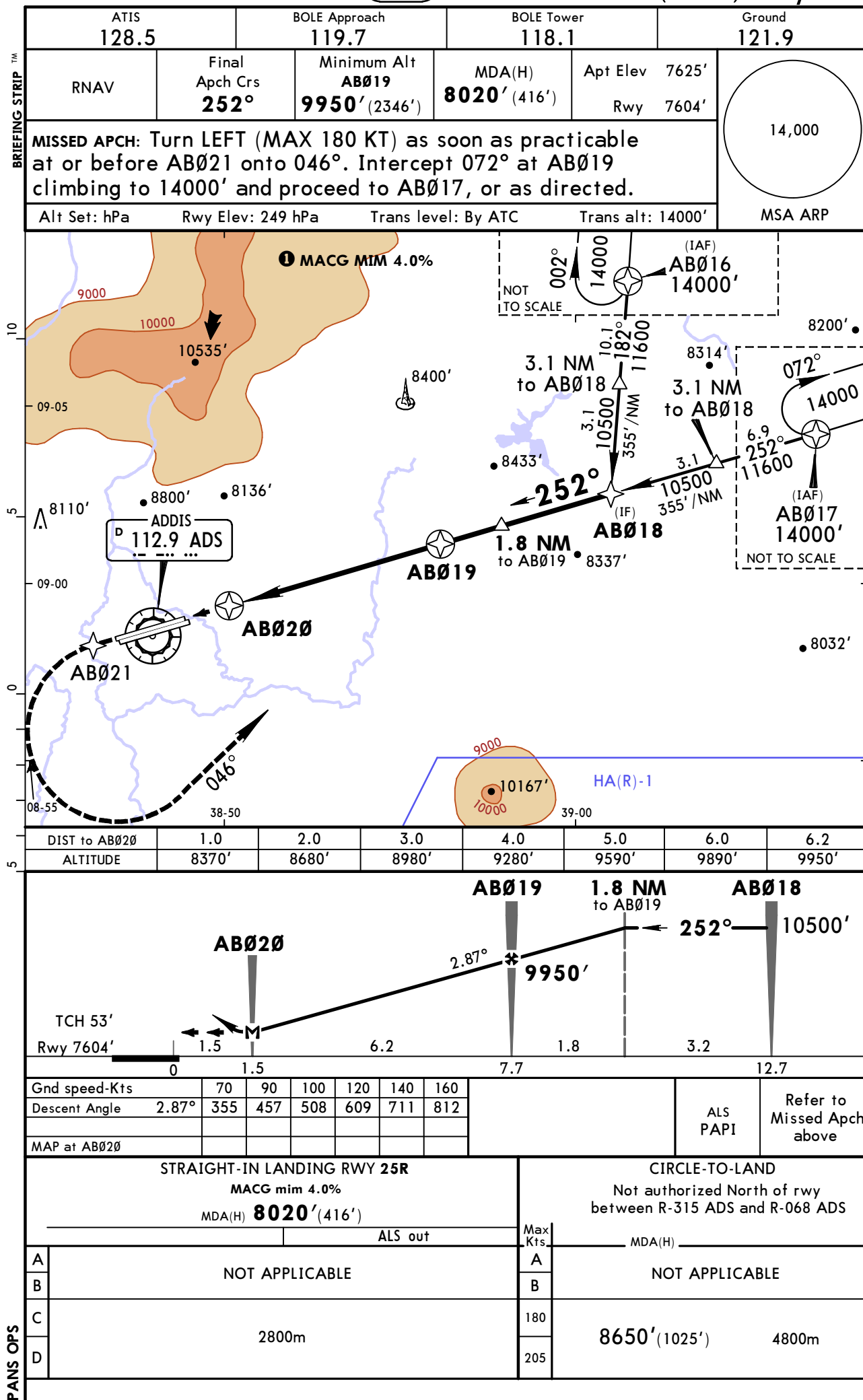
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BOLE INTL
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16 NOV 18

(12-10)

CAT C & D

ADDIS ABEBA, ETHIOPIA
ORNAV (GNSS) Rwy 25R


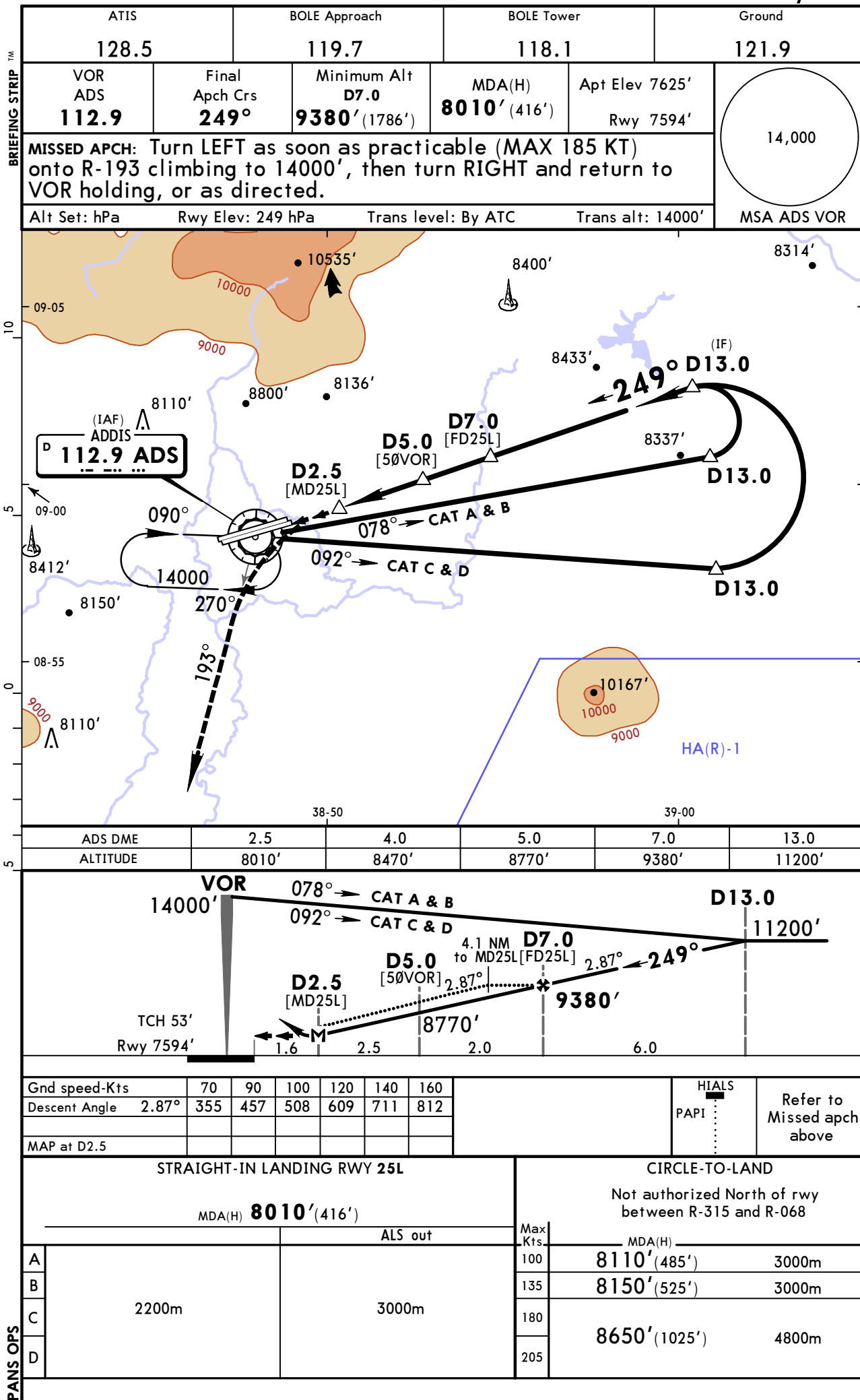
CHANGES: ATIS added.

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HAAB/ADD
BOLE INTL

JEPPESEN
16 NOV 18 (13-1)

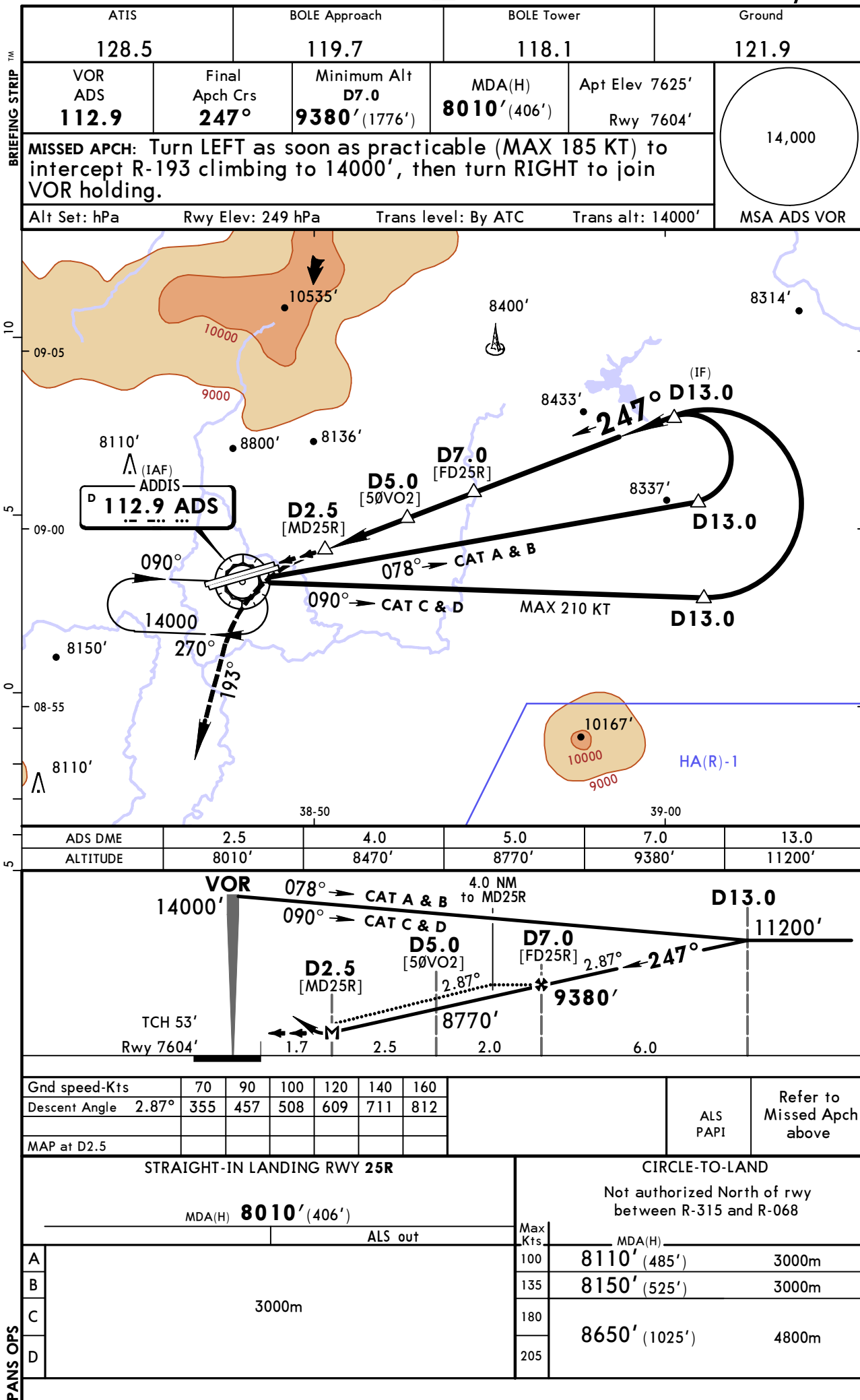
ADDIS ABEBA, ETHIOPIA
VOR DME Rwy 25L



HAAB/ADD
BOLE INTL

JEPPESEN
16 NOV 18 (13-2)

ADDIS ABEBA, ETHIOPIA
VOR DME Rwy 25R



CHANGES: ATIS added.

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HAAB/ADD BOLE INTL

JEPPESSEN

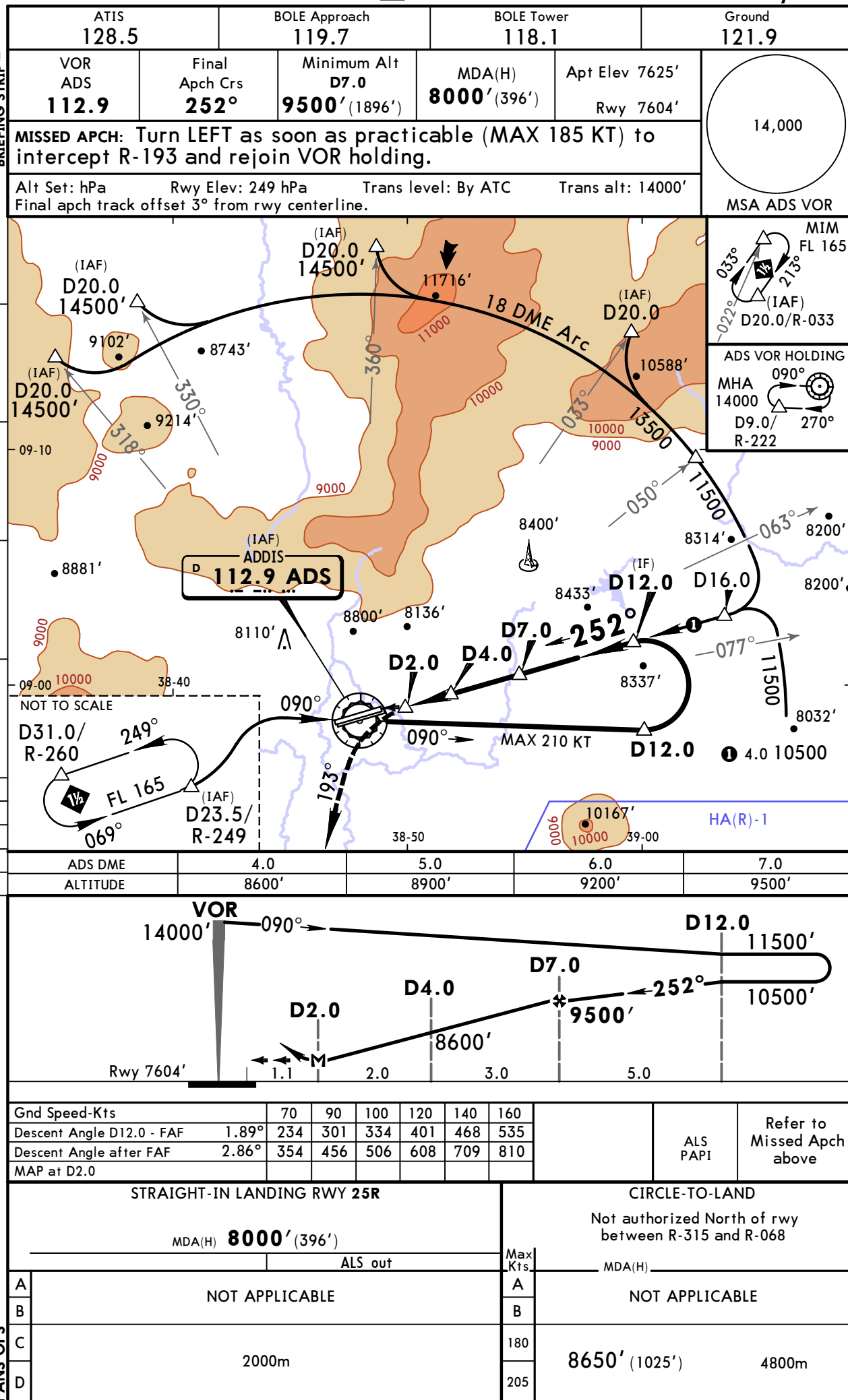
16 NOV 18

(13-3)

CAT C & D

ADDIS ABEBA, ETHIOPIA

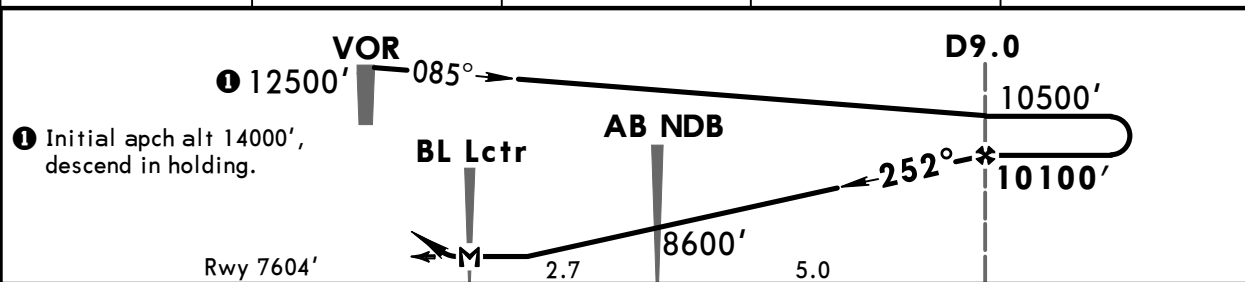
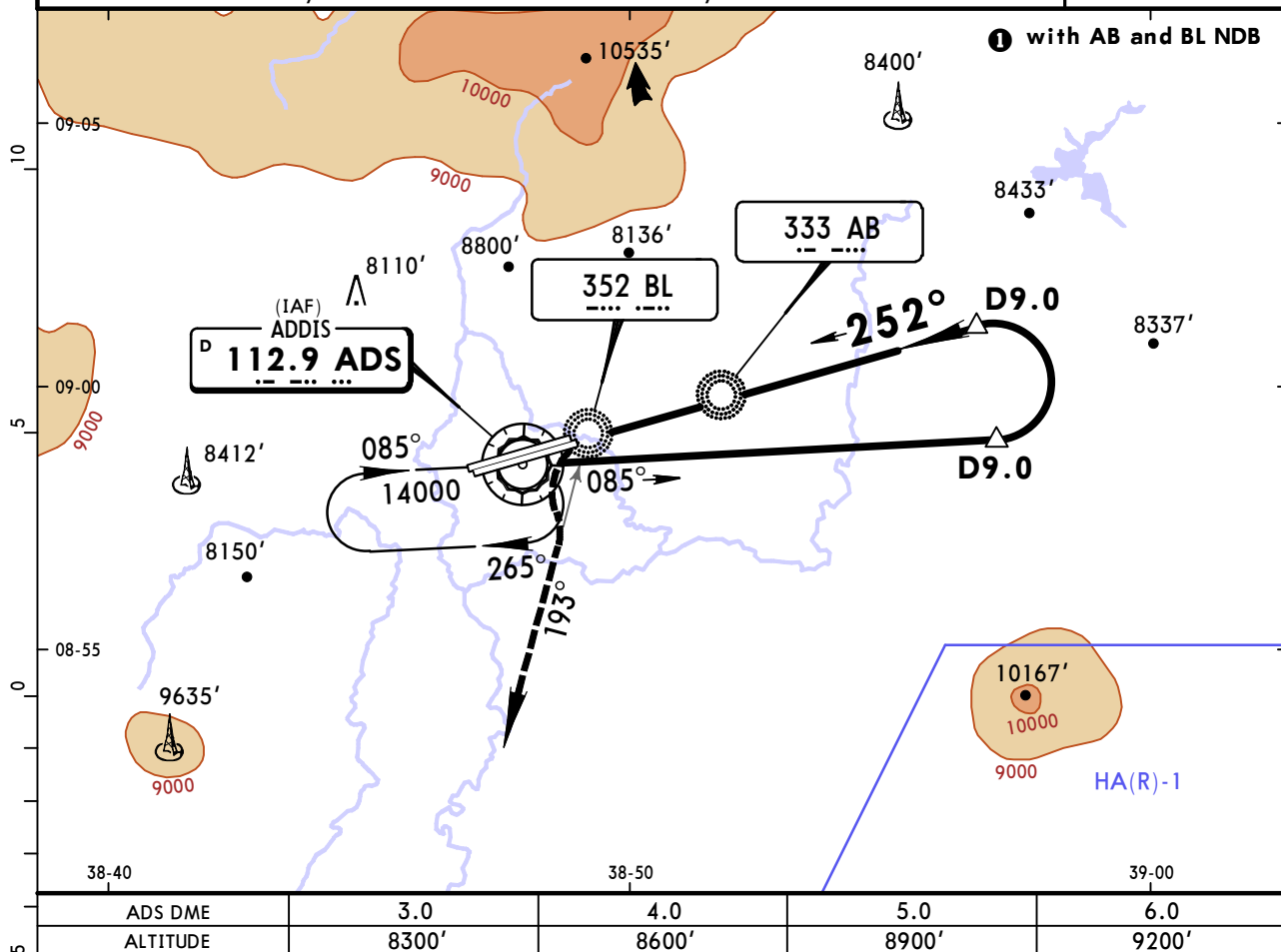
VOR DME Rwy 25R



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JEPPESSEN
 16 NOV 18 **(13-4)** **CAT A & B**
ADDIS ABEBA, ETHIOPIA
1 VOR DME Rwy 25R

BRIEFING STRIP

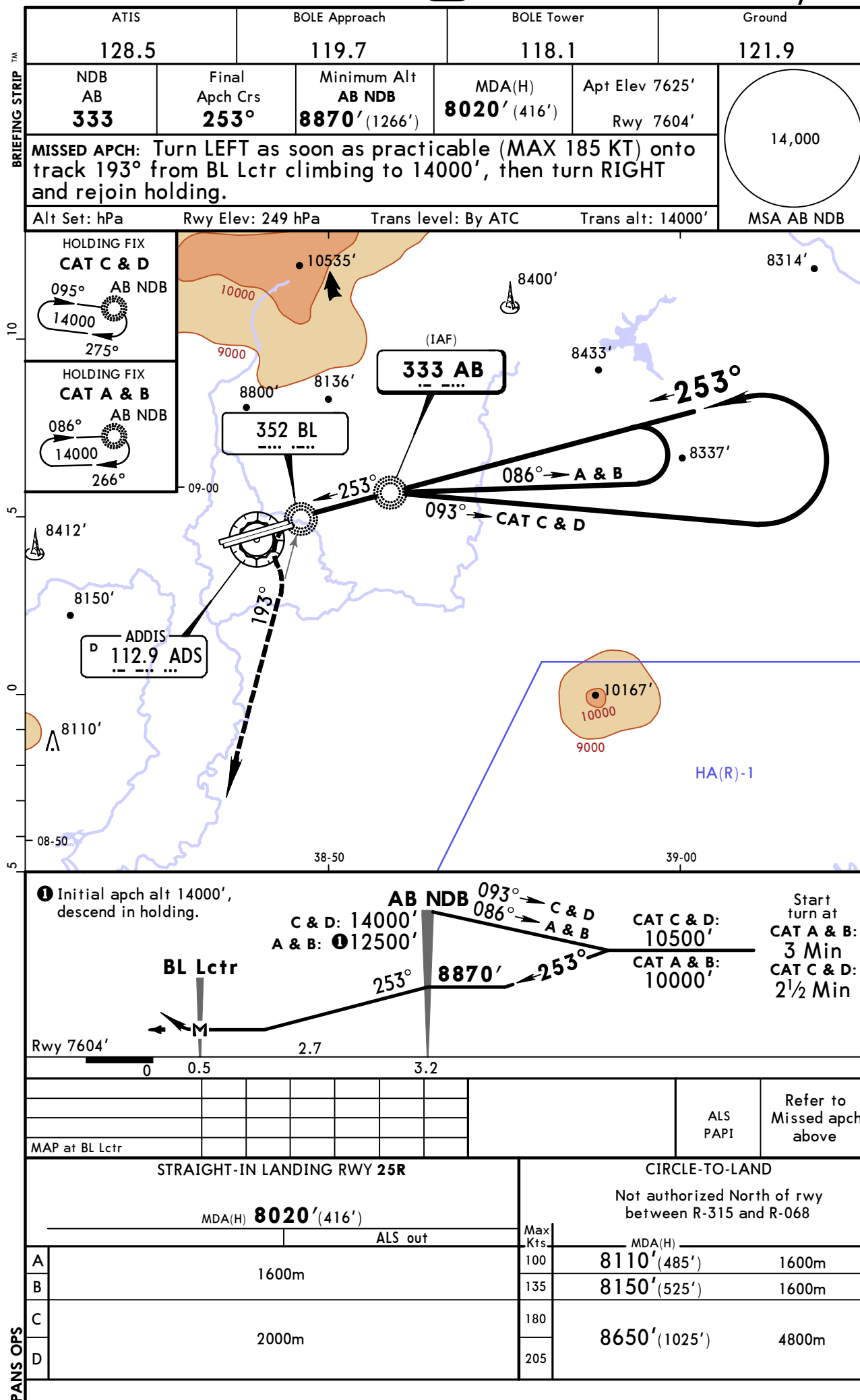
ATIS		BOLE Approach		BOLE Tower		Ground	
128.5		119.7		118.1		121.9	
VOR ADS 112.9	Final Apch Crs 252°	Minimum Alt D9.0 10100' (2496')	MDA(H) 8000' (396')	Apt Elev 7625'	Rwy 7604'	14,000	
MISSED APCH: Turn LEFT as soon as practicable (MAX 185 KT) onto track 193° from BL Lctr climbing to 14000', then turn RIGHT and rejoin VOR holding.							
Alt Set: hPa		Rwy Elev: 249 hPa		Trans level: By ATC			
						MSA ADS VOR	



Gnd speed-Kts	70	90	100	120	140	160	ALS PAPI	Refer to Missed apch above
Descent Angle	2.86°	354	455	506	607	708		
MAP at BL LCTR								

STRAIGHT-IN LANDING RWY 25R				CIRCLE-TO-LAND			
MDA(H) 8000'(396')				Not authorized North of rwy between R-315 and R-068			
			ALS out	Max Kts	MDA(H)		
A	1600m			100	8110'(485') 1600m		
B				135	8150'(525') 1600m		
C	NOT APPLICABLE			C	NOT APPLICABLE		
D				D			

HAAB/ADD
BOLE INTL
JEPPESSEN
29 MAR 19 (16-1)

ADDIS ABEBA, ETHIOPIA
2 NDB Rwy 25R


CHANGES: Holding bearings.

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Chart changes since cycle 21-2020

ADD = added chart, REV = revised chart, DEL = deleted chart.

ACT	PROCEDURE IDENT	INDEX	REV DATE	EFF DATE
ADDIS ABEBA, (BOLE INTL - HAAB)				

TERMINAL CHART CHANGE NOTICES

Chart Change Notices for Airport HAAB

Type: Terminal

Effectivity: Temporary

Begin Date: Immediately

End Date: Until Further Notice

(12-8, 12-10) For RNAV (GNSS) Rwy 25L and RNAV (GNSS) Rwy 25R apch procs caution is advised due to doubtful waypoint coordinates.