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Airport Information For LTBA

Terminal Charts For LTBA

Revision Letter For Cycle 08-2013

Change Notices

Notebook

General Information

Location: Istanbul Tur
IATA Code: IST
Lat/Long: N40° 58.6' E028° 48.8'
Elevation: 163 ft

Airport Use: Public
Magnetic Variation: 4.9°E

Fuel Types: 100-130 Octane, Jet A-1
Repair Types: Minor Airframe, Minor Engine
Customs: Yes
Airport Type: IFR
Landing Fee: Yes
Control Tower: Yes
Jet Start Unit: No
LLWS Alert: No
Beacon: Yes

Sunrise: 0327 Z
Sunset: 1643 Z,

Runway Information

Runway: 05
Length x Width: 8465 ft x 197 ft
Surface Type: asphalt
TDZ-Elev: 93 ft
Lighting: Edge, ALS, Centerline, REIL, TDZ
Displaced Threshold: 427 ft

Runway: 17L
Length x Width: 9843 ft x 148 ft
Surface Type: concrete
TDZ-Elev: 157 ft
Lighting: Edge, ALS, Centerline, REIL, TDZ

Runway: 17R
Length x Width: 9843 ft x 148 ft
Surface Type: concrete
TDZ-Elev: 163 ft
Lighting: Edge, ALS, Centerline, REIL, TDZ

Runway: 23
Length x Width: 8465 ft x 197 ft
Surface Type: asphalt
TDZ-Elev: 90 ft
Lighting: Edge, ALS, Centerline, REIL, TDZ

Runway: 35L
Length x Width: 9843 ft x 148 ft
Surface Type: concrete
TDZ-Elev: 118 ft
Lighting: Edge, ALS, Centerline, REIL, TDZ

Runway: 35R
Length x Width: 9843 ft x 148 ft
Surface Type: concrete
TDZ-Elev: 124 ft
Lighting: Edge, ALS, Centerline, REIL, TDZ

Communication Information

ATIS 128.2
Yesilkoy Ground South Tower 121.8
Yesilkoy Ground North Tower 126.8
Yesilkoy Ground North Tower 122.325
Yesilkoy Ground North Tower 121.9
Yesilkoy Delivery Tower 121.7
Yesilkoy Tower 123.525
Yesilkoy Tower 118.375 Departure Service
Yesilkoy Tower 118.1 Arrival Service
Yesilkoy Tower 25.78
Yesilkoy Approach Control 127.825
Yesilkoy Approach Control 127.1
Yesilkoy Approach Control 126.425
Yesilkoy Approach Control 122.675
Yesilkoy Approach Control 121.25
Yesilkoy Approach Control 121.1
Yesilkoy Approach Control 120.7
Yesilkoy Approach Control 120.5
Yesilkoy Approach Control 119.475
Yesilkoy Approach Control 36.23

1. GENERAL

1.1. ATIS

ATIS 128.2

1.2. SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM**1.2.1. A-SMGCS UTILISING MODE S**

ACFT operators should ensure that Mode S transponders are able to operate when ACFT is on the ground.

Flight crew should select XPNDR or equivalent according to specific installation, AUTO if available, not OFF or STDBY, and the assigned Mode A code.

From the request for push-back or taxi, whichever is earlier, after landing, continuously until ACFT is fully parked on stand, the Mode A code 2000 must be set before selecting OFF or STDBY.

Flight crew of ACFT equipped with Mode S having an ACFT identification feature should also set the ACFT ident.

This setting is the ACFT ident specified in item 7 of the flight plan.

ACFT ident should be entered from the request for push-back or taxi, whichever is earlier, through FMS or transponder control panel.

1.3. LOW VISIBILITY PROCEDURES (LVP)

During CAT II and III operations, special ATC Low Visibility Procedures will be applied. Pilots will be informed when these procedures are in operation via ATIS and RTF.

1.4. TAXI PROCEDURES**1.4.1. GENERAL**

CAUTION: Due to dense ground movement flight crew shall strictly obey ATC instructions and follow signs/markings on aprons and TWYs. Never cross RWYs unless clear permission is granted or instruction is given by ATC. Comply with the readback and hearback procedures.

ACFT ready for departure must start taxiing as soon as taxi-clearance is received. The traffic having clearance to "line up to proceed to RWY 35R" are required to proceed to the line up position 2 point where available psn-2 sign 200m inside from THR RWY 35R unless otherwise authorized by ATC.

Heavy traffic departing from RWY 35R can cause jet wash impact for traffic to land RWY 05.

ACFT taxiing from West to East on TWY G shall stop on hotspot located at backward side of T4 parking area, and resume taxiing by ATC instruction.

Entering/Departing parking areas on Apron V and entering of stand 104 under low thrust level only.

Unless otherwise specified by TWR, taxiing speed is 20 kt in TWYs and 10 kt in TWYs D, D1, G and V apron.

Whenever RWY 17R Take-off / RWY 17L Landing or RWY 35R Landing / RWY 35L Take-off configurations are utilized, due to the insufficient distance between the subject RWYs 17/35, no aircraft can wait along TWYs A1, A2, A3, A5 and A6.

Unless otherwise specified by ATC, the following standard taxi-routes shall be used.

1.4.2. STANDARD TAXI ROUTES FOR ARRIVAL**1.4.2.1. RWY 05**

1G: Vacate RWY from E5, E6, E7 and E8 and use TWY G.

1F: Vacate RWY from E5, E6, E7 and E8 and use TWYs F and D and hold before B9 for ATC instructions.

1.4.2.2. RWY 17L

3D: Vacate RWY from B8, B9, A5 and B11 and use TWYs C, F and D and hold before B9 for ATC instructions.

3F: Vacate RWY from B8, B9, A5 and B11 and use TWYs C, F, E5 and G.

1. GENERAL

1.4.2.3. RWY 23

2D: Vacate RWY from E1, E2, E3 and E4 and use TWYs F and D and hold before B9 for ATC instructions.

2F: Vacate RWY from E1, E2, E3 and E4 and use TWYs F, E5 and G.

1.4.3. STANDARD TAXI ROUTES FOR DEPARTURE

1.4.3.1. RWY 17R

2A: Use TWYs D, B9, C and B1 and hold on RWY 17L holding position.

2B: Use TWYs B8, C and B1 and hold on RWY 17L holding position.

3A: Use TWYs D, B8, C and B1 and hold on RWY 17L holding position.

1.4.3.2. RWY 35L/R

1A: Use TWYs B8, C and B12 and hold on RWY 35R holding position.

1B: Use TWYs B9, C and B12 and hold on RWY 35R holding position.

1C: Use TWYs D, B5, C and B12 and hold on RWY 35 holding position.

1D: Use TWYs D, B5, C and B11 and hold on RWY 35 holding position.

1G: Use TWYs G, B9, C and B11 and hold on RWY 35 holding position.

1.5. PARKING INFORMATION

Aprons L, M, N, R & T not visible from Tower.

Stands 101 thru 105 on Terminal B Apron not visible from Tower.

Automatic guidance system available on stands 101 thru 112 and 201 thru 226.

All ACFT should obtain tow-bar, except general aviation ACFT.

ACFT pushed-back from T4, T5 and T6 parking area on Apron T shall be towed West beyond hotspot line located at backward side of T4 parking area on TWY G. Pilots shall ask ATC for instruction to start engines and taxi on standby position.

1.6. OTHER INFORMATION

1.6.1. GENERAL

RWYs 05 and 17L right-hand circuit.

Birds.

1.6.2. ENGINE TESTING

Before an engine test contact YESILKOY Ground on 121.8 or 122.32.

Engine testing shall be performed on Motor Test Apron.

In case the testing could not be performed on Motor Test Apron for any reason, engine testing in coordination with the relevant ATC unit, will be carried out within RWY 17R/35L, taking into consideration the current airport movement area traffic.

2. ARRIVAL

2.1. COMMUNICATION FAILURE PROCEDURE

2.1.1. RF for IFR flights outside TMA

Select transponder code 7600. Follow the flight plan route using last assigned and acknowledged FL. For 3 minutes execute relevant STAR. Then, descending 6000' proceed to IST VOR. Leave IST VOR at 6000'. Proceed to relevant IAF, execute Instrument Approach Procedure (IAP) and land.

2.1.2. RF for IFR flights inside TMA

If available call telephone number 0090 212 465 0121.

ACFT at or above 6000'

Select transponder code 7600. For 3 minutes execute last assigned and acknowledged ATC instructions. Then, descending 6000' proceed to IST VOR. Leave IST VOR at 6000'. Proceed to relevant IAF, execute Instrument Approach Procedure and land.

Note: Traffic via 112.2 KFK is not allowed to descend below 10000' before passing DEKEK Int or beyond IST 40 DME.

2. ARRIVAL

ACFT below 6000', at or above 3000'

Select transponder code 7600. Proceed to relevant IAF, descend or maintain last assigned and acknowledged altitude. Execute Instrument Approach Procedure and land. The Instrument Approach Procedures for RWYs 17 and 23 are to be executed via IAFs VURAL and KOFUN.

Note: ACFT on downwind legs shall execute this procedure regardless of altitude or FL.

ACFT below 3000'

Select transponder code 7600. Proceed to relevant Final Approach Fix and land.

2.2. GNSS BASED RNAV STARS

The altitudes/FLs depicted on the arrival procedures are for operational purposes. They do not represent permission to descend to those altitudes/FLs unless otherwise authorized by ATC.

When an arriving ACFT on a STAR is cleared to descend to an altitude/FL lower than the altitudes/FLs specified in a STAR, the ACFT shall follow the published vertical profile of a STAR, unless such restrictions are explicitly cancelled by ATC.

The cancellation of the level restrictions depicted on the STARS will be subject to the ATC clearance by the phrase: "OPEN DESCEND TO ... (ALT./FL.)".

2.3. CAT II/III OPERATIONS

RWY 05 approved for CAT II/III operations and RWY 35R approved for CAT II operations, special aircrew and ACFT certification required.

2.4. LANDINGS

Due to conditions of the relevant RWY, Pilots should adjust their landings in a way to make them use of the high speed taxi-route turn-offs as stated in the table below so as not to occupy the RWY more than required.

RWY	ACFT	Turn off intersection	Dist from THR ft(m)
05	heavy	E7	6726'(2050m)
	medium	E6	5840'(1780m)
	light	E5	4593'(1400m)
17L	heavy/medium/light	B9	6562'(2000m)
17R	heavy/medium/light	A5	7054'(2150m)
23	heavy	E3	6398'(1950m)
	medium/light	E4	5249'(1600m)
35L	heavy	A2	7054'(2150m)
	medium/light	A3	5577'(1700m)
35R	heavy/medium	B4	6562'(2000m)
	light	B5	5364'(1635m)

To provide the least optimum duration of RWY occupation in landing operations, pilots, during the Approach phase, are strongly advised to make computations in a way to make them use of the preferred high speed taxi-route turn-offs.

When precision approach procedures are applied for landing operations, because of the speed restrictions, non-precision approach procedures regarding training purposes cannot be applied.

When RWY 35L is preferred for landing, the landing aircraft shall not cross RWY 35R without taking ATC instruction/permission.

The requests regarding usage of the opposite RWYs shall not be accepted. Even the Optional RWY operations are concerned, those traffic persistently willing to use opposite RWYs for landing should take into consideration the very likelihood of being

2. ARRIVAL

exposed to long duration of delay on holding position due to the intensity of air traffic operations within the vicinity.

Delays on holding position if happen to exceed 20 minutes, EXPECTED APPROACH TIME shall be informed accordingly.

In case of low fuel level condition, the situation shall be promptly declared to the ATC through using only the following statements whichever suit best to the described condition; "Minimum Diversion Fuel", "Low on Fuel", "Minimum Fuel".

2.5. OTHER INFORMATION

CAUTION: On apch to RWY 17L/35R expect momentary distortions or interruptions of GS signal.

GS fluctuations depending on taxiing of departing ACFT possible. ATC will clear landing ACFT for ILS apch without GS.

Phraseology will be "Cleared for ILS approach, glide path unreliable".

3. DEPARTURE

3.1. CLEARANCE DELIVERY

Pilots shall contact with Clearance Delivery as follows:

Call Sign / Stand Position / Code confirming ATIS message received.

3.2. DE-ICING**3.2.1 GENERAL**

De-icing can be handled at the park area; however, in case anti-icing has been started at the designated areas, de-icing in the parking area shall not be permitted.

3.2.2 ANTI-ICING AREA

For all Airline Companies:

In case the CAT-III conditions duly sustained render the usage of RWY 05/23 obligatory, F1 and F2 anti-icing application area shall be used by both Turkish Airlines and ACFT of all other airline companies. As a line-up area for anti-icing application TWY D (between TWYs B9 and F) shall be used firstly. In case this area has become insufficient TWY C (between TWYs B9 and B8) shall be used.

For all Airline Companies other than Turkish Airlines:

When the use of RWY 17L or RWY 17R is concerned, for all airlines other than Turkish Airlines, turning path from TWY D to TWY B4 is anti-icing application area whereas TWY D (between TWY B4 and B5) shall be utilized as line-up location.

When the use of RWY 35R or 35L is concerned, all along TWY F shall be used as line-up area whereas the intersection of TWY F, E3 and E4 TWYs are to be utilized as anti-icing application areas.

3.3. START-UP & PUSH BACK PROCEDURE

Departing traffic willing to use RWY 35R (normally designated for landing operations) instead of RWY 35L (normally designated for take-off operations) have to notify their request via Clearance Delivery frequency to ATC 35 minutes in advance of the estimated engine start-up time at the latest. The requests regarding usage of the opposite RWYs shall not be accepted. Nevertheless, while conducting optional RWY operations, those traffic persistently requesting to use opposite RWYs for take-off operations should be aware of the fact that they would most likely be exposed to long duration of delay due to the intensity of both ground and air traffic.

Request to start engines shall be made approximately 15 min prior to planned time of departure.

When requesting start-up clearance the planned time of departure shall be started. Start-up clearance or later taxi clearance can be based on the planned time of departure, therefore, the planned time of departure shall be made good.

Acft departing from stands 101, 102 and R4 by pushback shall take clearance of ATC to proceed to the line of stand 103 (via TWY D1) where they are allowed to start their engines.

ACFT leaving stands 101 and 102 shall do push-back first, and subsequently start-up their engines when reached at stand 104.

The requests of any traffic to make Cross Bleed Start-up shall not be accepted inasmuch as such an operation can affect Apron traffic safety adversely and cause extra noise pollution. Only those ACFT having APU failure are allowed to make Cross Bleed Start-Up provided that required measures were taken in advance.

ACFT at parking positions of ACFT maintenance apron 1 shall continue their push-back until TWY D and then start-up their engines. ACFT shall enter the ACFT maintenance apron 1 by towing from the parking position.

TWYs K and K1 are classified for ACFT with wing span up to 118' (36m). The ACFT can start-up their engines and do taxiing on these TWYs.

ACFT with wing span up to 171' (52m) and 213' (65m) shall pass TWYs K and K1 by push-back without starting-up their engines.

3. DEPARTURE

Traffic granted with push-back and engine start-up permissions must start push-back within 1 minute at the latest, otherwise estimated start-up time shall be instructed by ATC.

Pilots must have accomplished all required cockpit checks for take-off before entering the RWY, and hence restrained their final checks only to minimum for take-off when entered the RWY. Pilots are deemed to react to the take-off clearances within 10 seconds at the latest. Otherwise ATC, in order to prevent the redundant RWY occupation, has the authority to withdraw the aircraft from the take-off course and re-direct it to the end of departure sequence.

3.4. NOISE ABATEMENT PROCEDURES

For departures, any ACFT having compliance with the noise category ICAO Annex 16 Chapter 3 and 4 shall apply NADP-2 whereas all other ACFT whose noise category are in compliance with ICAO Annex 16 Chapter 2 shall only apply NADP-1.

Pilots shall apply Noise Abatement Departure Procedure 1 or 2 (NADP-1 or NADP-2) which has been explained in ICAO Doc 8168 Vol 1 until passing 3000'.

Engine test operations must be conducted between 0700 - 2100 LT.

In parking area, APU must be switched-off within 5 minutes after parking. APU is allowed to be switched on 15 minutes before the estimated start-up.

3.5. GNSS BASED RNAV SIDs

When a departing ACFT on a SID is cleared to climb to an altitude/FL higher than the initially cleared altitude/FL or the altitudes/FLs specified in a SID, the ACFT shall follow the published vertical profile of a SID, unless such restrictions are explicitly cancelled by ATC.

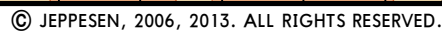
The cancellation of the level restrictions depicted on the SIDs will be subject to the ATC clearance by the phrase: "OPEN CLIMB TO ... (ALT./FL.)".

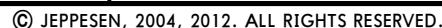
3.6. OTHER INFORMATION

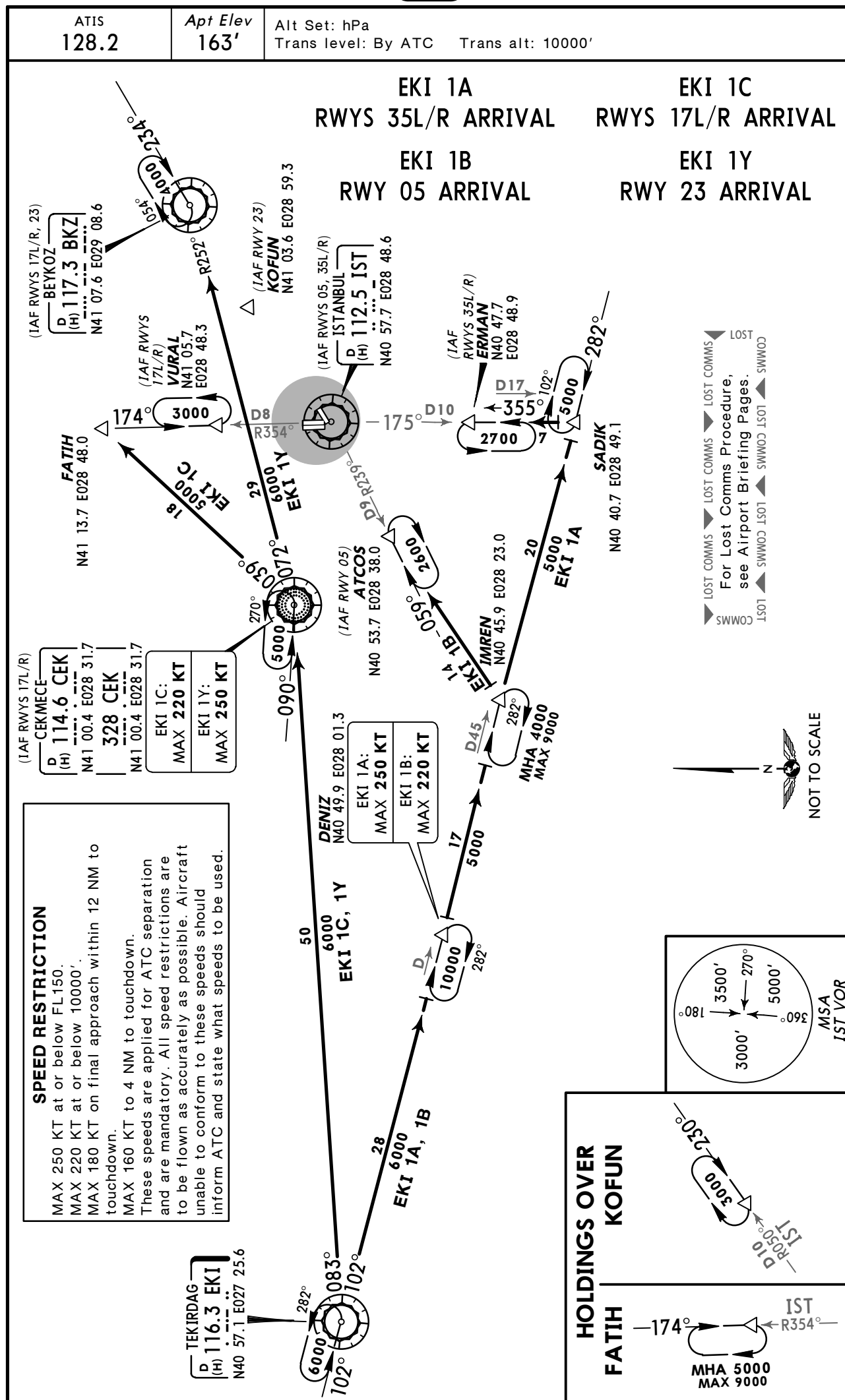
3.6.1. CALCULATED TAKE-OFF TIME (CTOT)

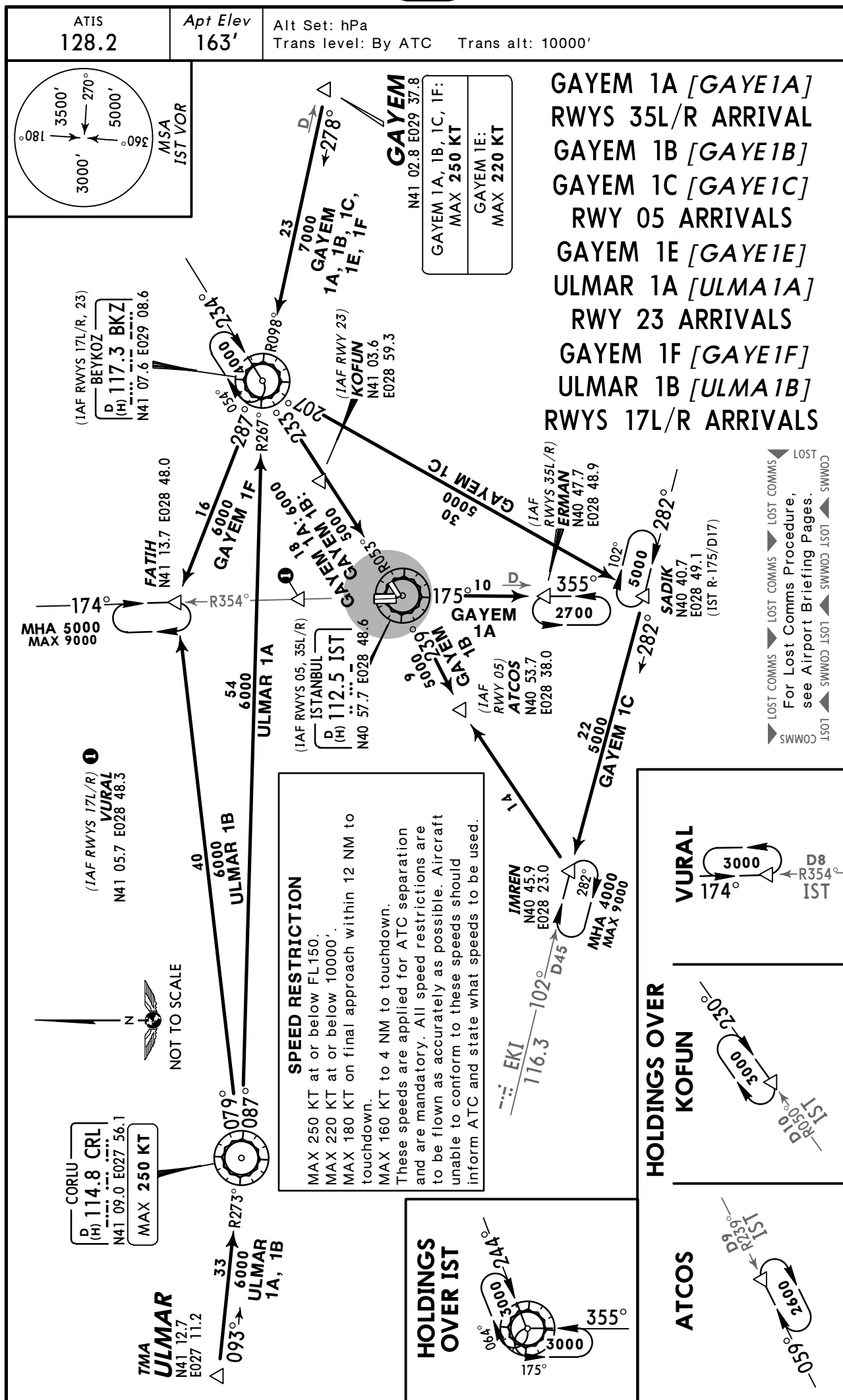
Pilots, while requesting for engine start-up clearance, should be ready for departure at the CTOT-taking into consideration the estimated TWY crossover durations which are approximately 26 minutes for RWY 17L/R, 20 minutes for RWY 35L/R and RWY 05/23.

Pilots not able to comply with the instructed CTOT, shall get in contact with their company representatives or authorized agencies to apply for and have a new CTOT. As a precautionary measure for RWY usage capacity augmentation, TWR can change the departure sequence at any time so as to ensure all aircraft ready for take-off do not miss their CTOT.







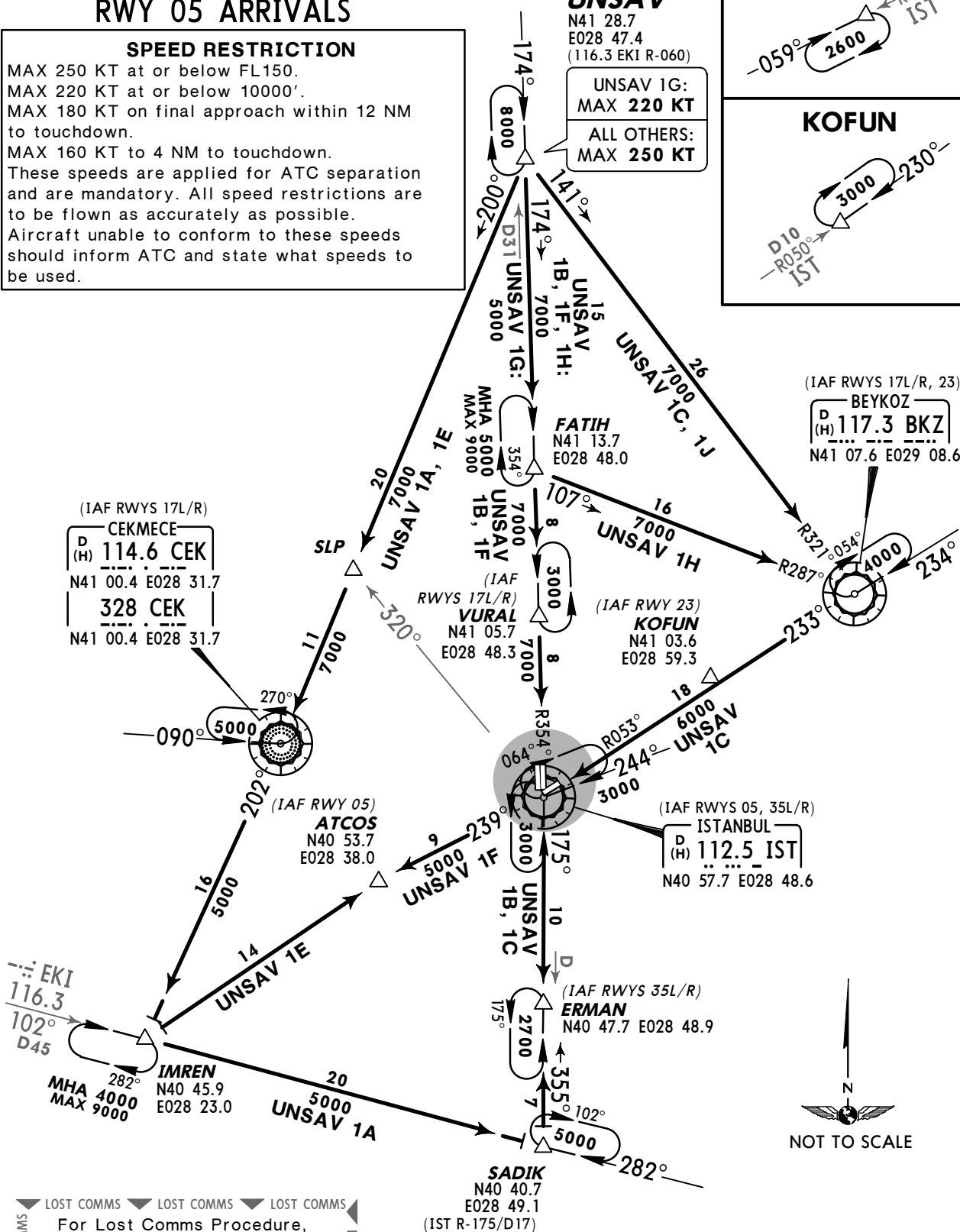


STAR

Diagram illustrating a 2600 Hz tone with a phase shift of 1059°. The tone is represented by a sine wave with a frequency of 2600 Hz. The phase shift is indicated by an arrow pointing to the wave, labeled 1059°. A label D9 R239° IST is also present, indicating a specific frequency or phase relationship.

MAX 250 KT at or below FL150.
MAX 220 KT at or below 10000'.
MAX 180 KT on final approach within 12 NM to touchdown.
MAX 160 KT to 4 NM to touchdown.
These speeds are applied for ATC separation and are mandatory. All speed restrictions are to be flown as accurately as possible. Aircraft unable to conform to these speeds should inform ATC and state what speeds to be used.

UNSAV 1G:	MAX 220 KT
ALL OTHERS:	MAX 250 KT



 LOST COMMS
  LOST COMMS
  LOST COMMS
  LOST COMMS

For Lost Comms Procedure,
 see Airport Briefing Pages.

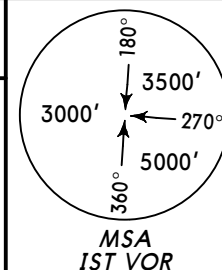
 LOST COMMS
  LOST COMMS
  LOST COMMS
  LOST COMMS

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ATIS
128.2

Apt Elev
163'

Alt Set: hPa
Trans level: By ATC Trans alt: 10000'



YAA 1A
RWYS 35L/R ARRIVAL

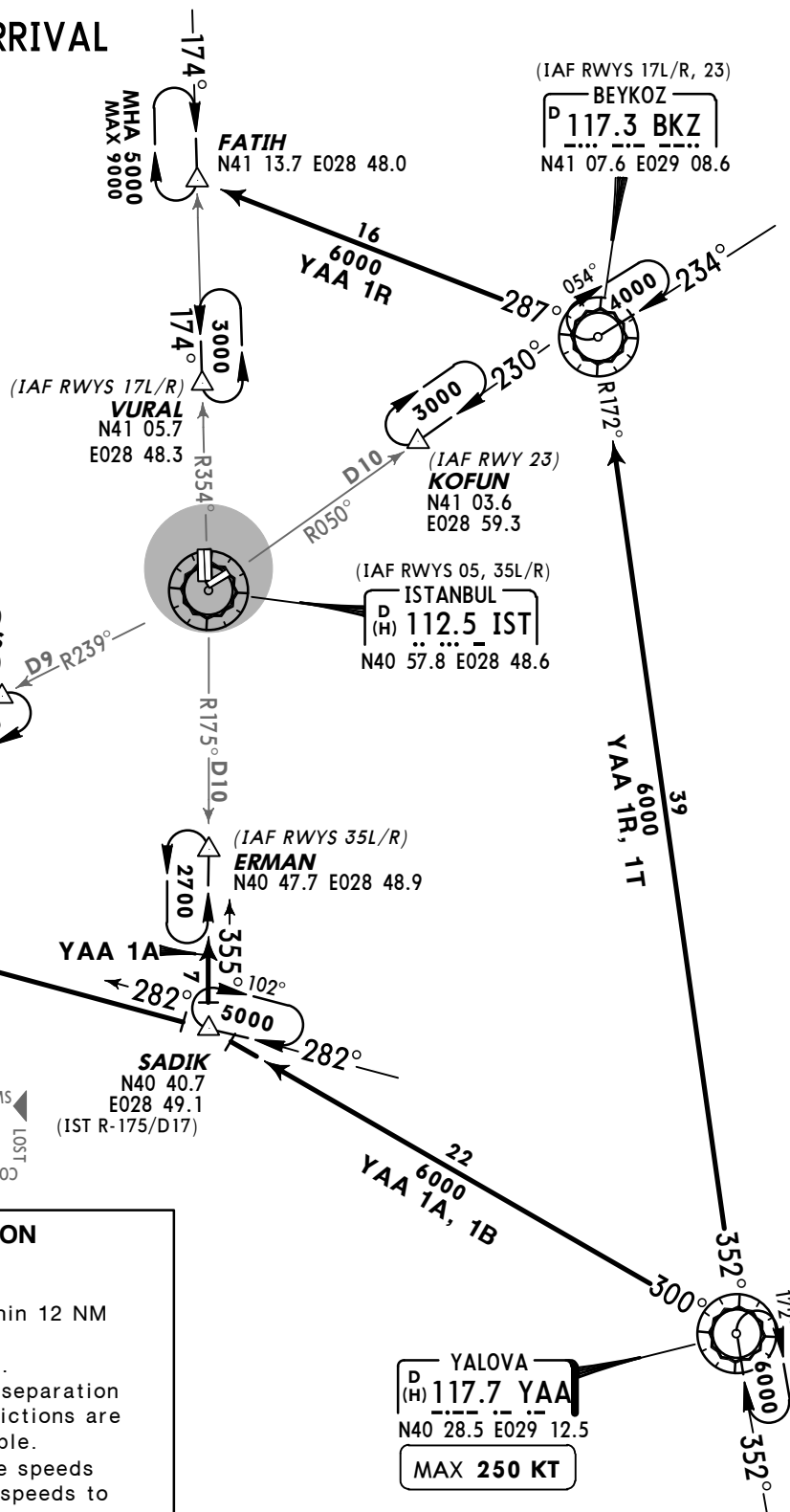
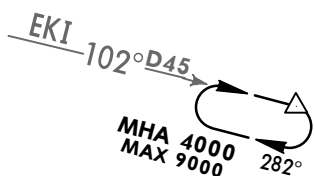
YAA 1B
RWY 05 ARRIVAL

YAA 1R
RWYS 17L/R ARRIVAL

YAA 1T
RWYS 17L/R, 23 ARRIVAL



HOLDING OVER IMREN



LOST COMMS LOST COMMS LOST COMMS
For Lost Comms Procedure,
see Airport Briefing Pages.
LOST COMMS LOST COMMS LOST COMMS

SPEED RESTRICTION

MAX 250 KT at or below FL150.
MAX 220 KT at or below 10000'.
MAX 180 KT on final approach within 12 NM to touchdown.
MAX 160 KT to 4 NM to touchdown.
These speeds are applied for ATC separation and are mandatory. All speed restrictions are to be flown as accurately as possible.
Aircraft unable to conform to these speeds should inform ATC and state what speeds to be used.

CHANGES: Speed restrictions; procedures revised. © JEPPESEN, 2005, 2011. ALL RIGHTS RESERVED.

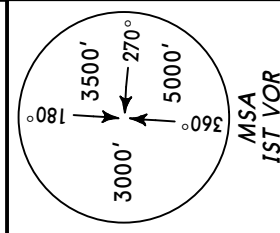
ATIS
128.2

Apt Elev
163'

Alt Set: hPa Trans level: By ATC Trans alt: 10000'
1. RADAR required. 2. P-RNAV approval required otherwise advise ATC.
3. On downwind expect vectors to final. 4. At first contact with IST RADAR report if unable to comply RNAV STAR. At first contact with YESILKOY RADAR report only callsign. 5. Descend as cleared.

DEKEK 1A [DEKE1A], ERKAL 1A [ERKA1A]
PAZAR 1A [PAZA1A], PIMAV 1A [PIMA1A]
RWY 05 RNAV ARRIVALS

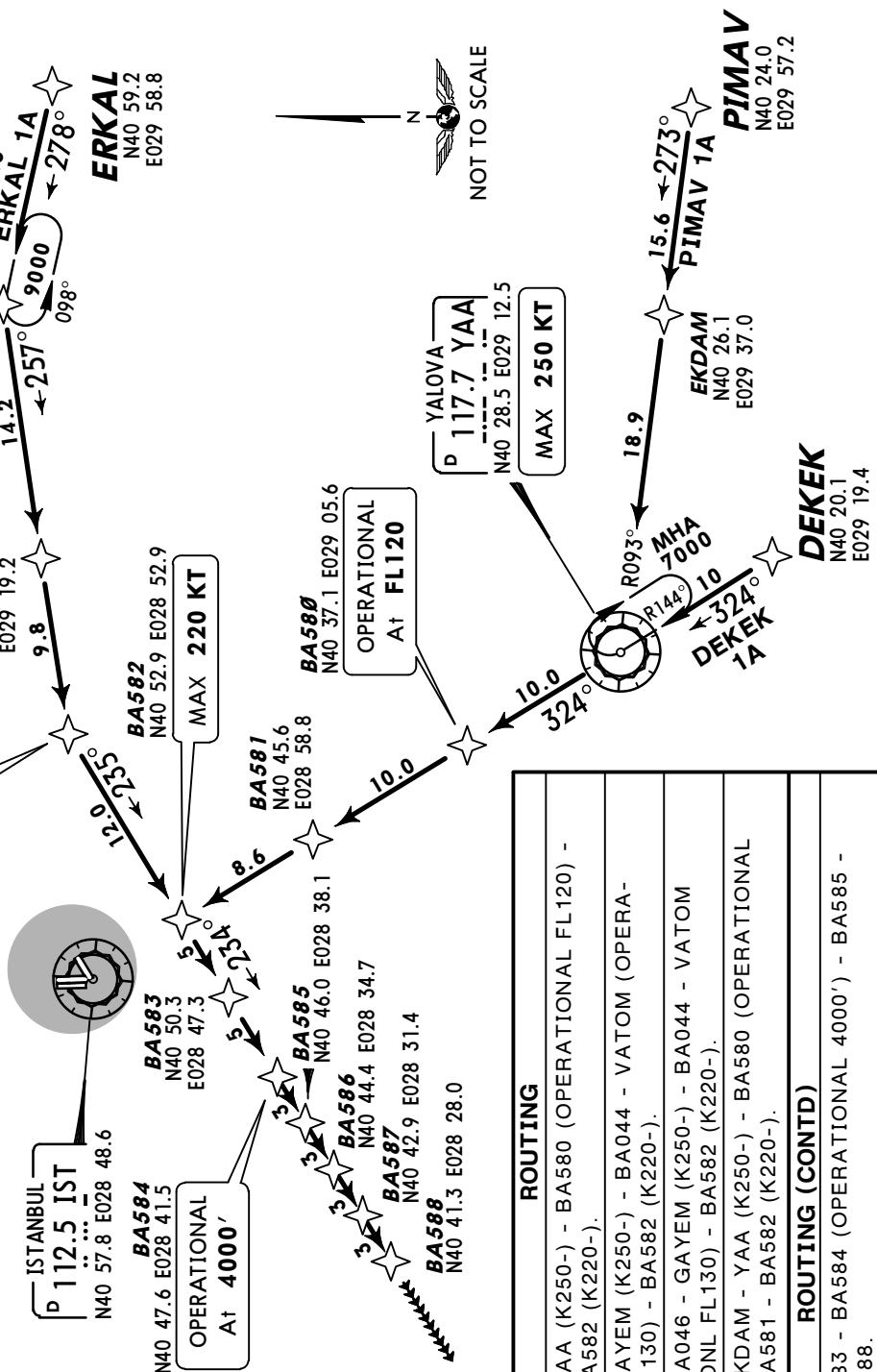
RNAV (GNSS)
FROM EAST



Direct distance from BA588
to Ataturk Apt: 23 NM

SPEED RESTRICTION

- 200 KT on base leg/closing heading to final approach.
 - 180 KT on final approach course within 12 NM to touchdown.
 - 160 KT to 4 NM to touchdown.
- These speeds are for ATC purposes and are mandatory and have to be flown as accurately as possible. If unable to comply inform ATC and state what speed to be used.



STAR	ROUTING
DEKEK 1A	DEKEK - YAA (K250-) - BA580 (OPERATIONAL FL120) - BA581 - BA582 (K220-).
ERKAL 1A	ERKAL - GAYEM (K250-) - BA044 - VATOM (OPERATIONAL FL130) - BA582 (K220-).
PAZAR 1A	PAZAR - BA046 - GAYEM (K250-) - BA044 - VATOM (OPERATIONAL FL130) - BA582 (K220-).
PIMAV 1A	PIMAV - EKDAM - YAA (K250-) - BA580 (OPERATIONAL FL120) - BA581 - BA582 (K220-).
ROUTING (CONTD)	
BA582 (K220-) - BA583 - BA584 (OPERATIONAL 4000') - BA585 - BA586 - BA587 - BA588.	

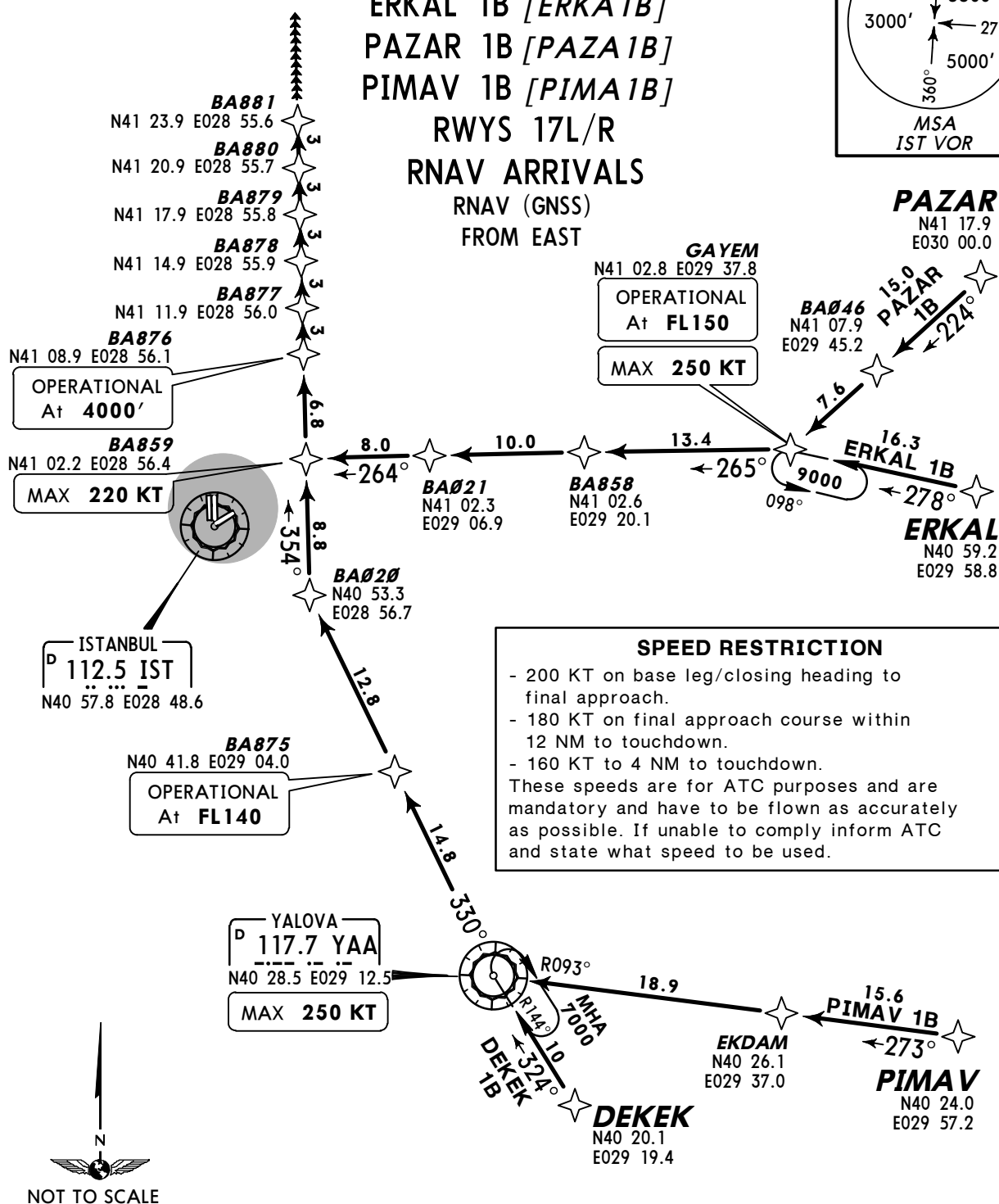
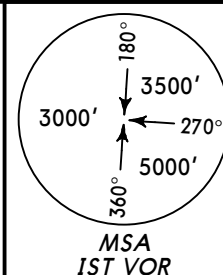
ATIS
128.2Apt Elev
163'

Alt Set: hPa Trans level: By ATC Trans alt: 10000'

1. RADAR required. 2. P-RNAV approval required otherwise advise ATC.
3. On downwind expect vectors to final. 4. At first contact with IST RADAR
report if unable to comply RNAV STAR. At first contact with YESILKOY
RADAR report only callsign. 5. Descend as cleared.

Direct distance from BA881
to Ataturk Apt: 26 NM

DEKEK 1B [DEKE1B]
ERKAL 1B [ERKA1B]
PAZAR 1B [PAZA1B]
PIMAV 1B [PIMA1B]
RWYS 17L/R
RNAV ARRIVALS
FROM EAST



SPEED RESTRICTION

- 200 KT on base leg/closing heading to final approach.
 - 180 KT on final approach course within 12 NM to touchdown.
 - 160 KT to 4 NM to touchdown.
- These speeds are for ATC purposes and are mandatory and have to be flown as accurately as possible. If unable to comply inform ATC and state what speed to be used.

STAR

ROUTING

DEKEK 1B	DEKEK - YAA (K250-) - BA875 (OPERATIONAL FL140) - BA020 - BA859 (K220-).
ERKAL 1B	ERKAL - GAYEM (OPERATIONAL FL150; K250-) - BA858 - BA021 - BA859 (K220-).
PAZAR 1B	PAZAR - BA046 - GAYEM (OPERATIONAL FL150; K250-) - BA858 - BA021 - BA859 (K220-).
PIMAV 1B	PIMAV - EKDAM - YAA (K250-) - BA875 (OPERATIONAL FL140) - BA020 - BA859 (K220-).

ROUTING (CONTD)

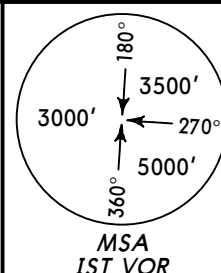
BA859 (K220-) - BA876 (OPERATIONAL 4000') - BA877 - BA878 - BA879 - BA880 - BA881.

ATIS
128.2Apt Elev
163'

Alt Set: hPa Trans level: By ATC Trans alt: 10000'

1. RADAR required. 2. P-RNAV approval required otherwise advise ATC.
3. On downwind expect vectors to final. 4. At first contact with IST RADAR
report if unable to comply RNAV STAR. At first contact with YESILKOY
RADAR report only callsign. 5. Descend as cleared.

DEKEK 1C [DEKE1C], ERKAL 1C [ERKA1C]
PAZAR 1C [PAZA1C], PIMAV 1C [PIMA1C]
RWY 23 RNAV ARRIVALS
RNAV (GNSS)
FROM EAST

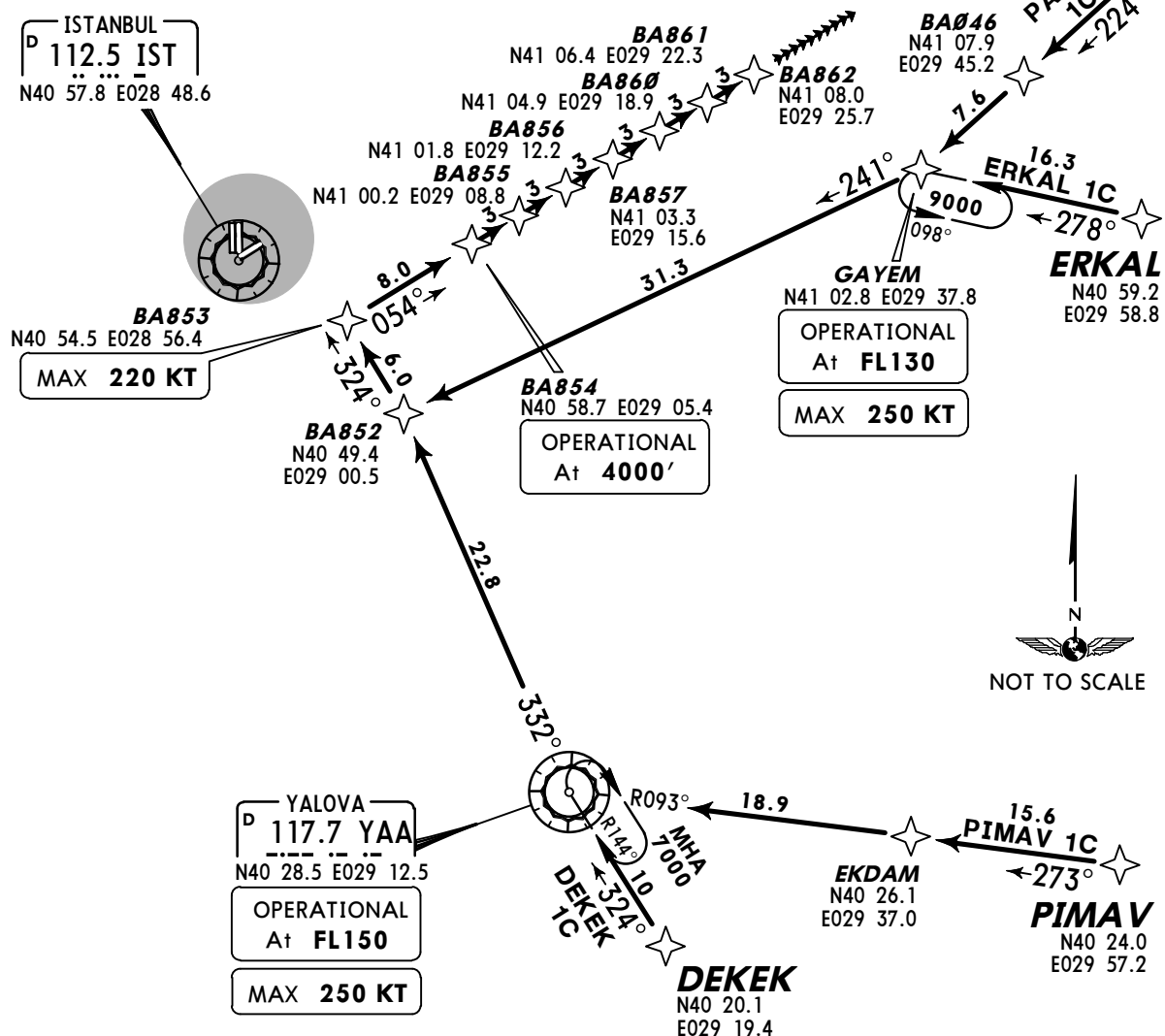


SPEED RESTRICTION

- 200 KT on base leg/closing heading to final approach.
- 180 KT on final approach course within 12 NM to touchdown.
- 160 KT to 4 NM to touchdown.

These speeds are for ATC purposes and are mandatory and have to be flown as accurately as possible. If unable to comply inform ATC and state what speed to be used.

Direct distance from BA862
to Ataturk Apt: 29 NM



STAR

ROUTING

DEKEK 1C	DEKEK - YAA (OPERATIONAL FL150; K250-) - BA852.
ERKAL 1C	ERKAL - GAYEM (OPERATIONAL FL130; K250-) - BA852.
PAZAR 1C	PAZAR - BA046 - GAYEM (OPERATIONAL FL130; K250-) - BA852.
PIMAV 1C	PIMAV - EKDAM - YAA (OPERATIONAL FL150; K250-) - BA852.

ROUTING (CONTD)

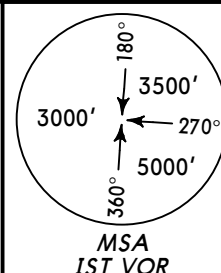
BA852 - BA853 (K220-) - BA854 (OPERATIONAL 4000') - BA855 - BA856 - BA857 - BA860 -
BA861 - BA862.

ATIS
128.2Apt Elev
163'

Alt Set: hPa Trans level: By ATC Trans alt: 10000'

1. RADAR required. 2. P-RNAV approval required otherwise advise ATC.
3. On downwind expect vectors to final. 4. At first contact with IST RADAR
report if unable to comply RNAV STAR. At first contact with YESILKOY
RADAR report only callsign. 5. Descend as cleared.

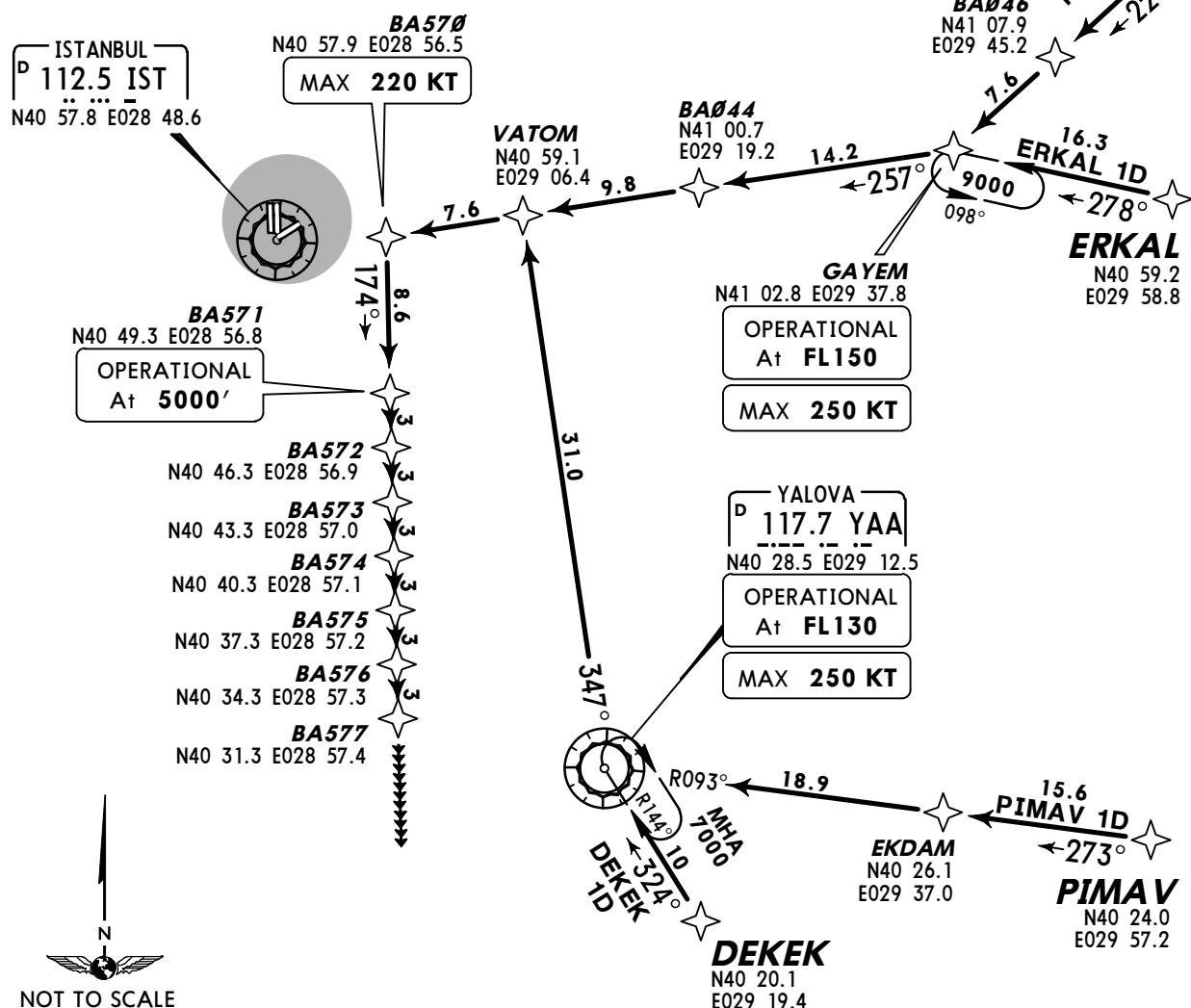
**DEKEK 1D [DEKE1D], ERKAL 1D [ERKA1D]
PAZAR 1D [PAZA1D], PIMAV 1D [PIMA1D]
RWYS 35L/R RNAV ARRIVALS
RNAV (GNSS)
FROM EAST**

**SPEED RESTRICTION**

- 200 KT on base leg/closing heading to final approach.
- 180 KT on final approach course within 12 NM to touchdown.
- 160 KT to 4 NM to touchdown.

These speeds are for ATC purposes and are mandatory and have to be flown as accurately as possible. If unable to comply inform ATC and state what speed to be used.

Direct distance from BA577
to Ataturk Apt: **28 NM**

**STAR****ROUTING**

DEKEK 1D	DEKEK - YAA (OPERATIONAL FL130; K250-) - VATOM.
ERKAL 1D	ERKAL - GAYEM (OPERATIONAL FL150; K250-) - BA044 - VATOM.
PAZAR 1D	PAZAR - BA046 - GAYEM (OPERATIONAL FL150; K250-) - BA044 - VATOM.
PIMAV 1D	PIMAV - EKDAM - YAA (OPERATIONAL FL130; K250-) - VATOM.

ROUTING (CONTD)

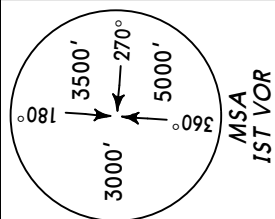
VATOM - BA570 (K220-) - BA571 (OPERATIONAL 5000') - BA572 - BA573 - BA574 - BA575 - BA576 - BA577.

CHANGES: Crossings. © JEPPESEN, 2010, 2011. ALL RIGHTS RESERVED.

ATIS
128.2

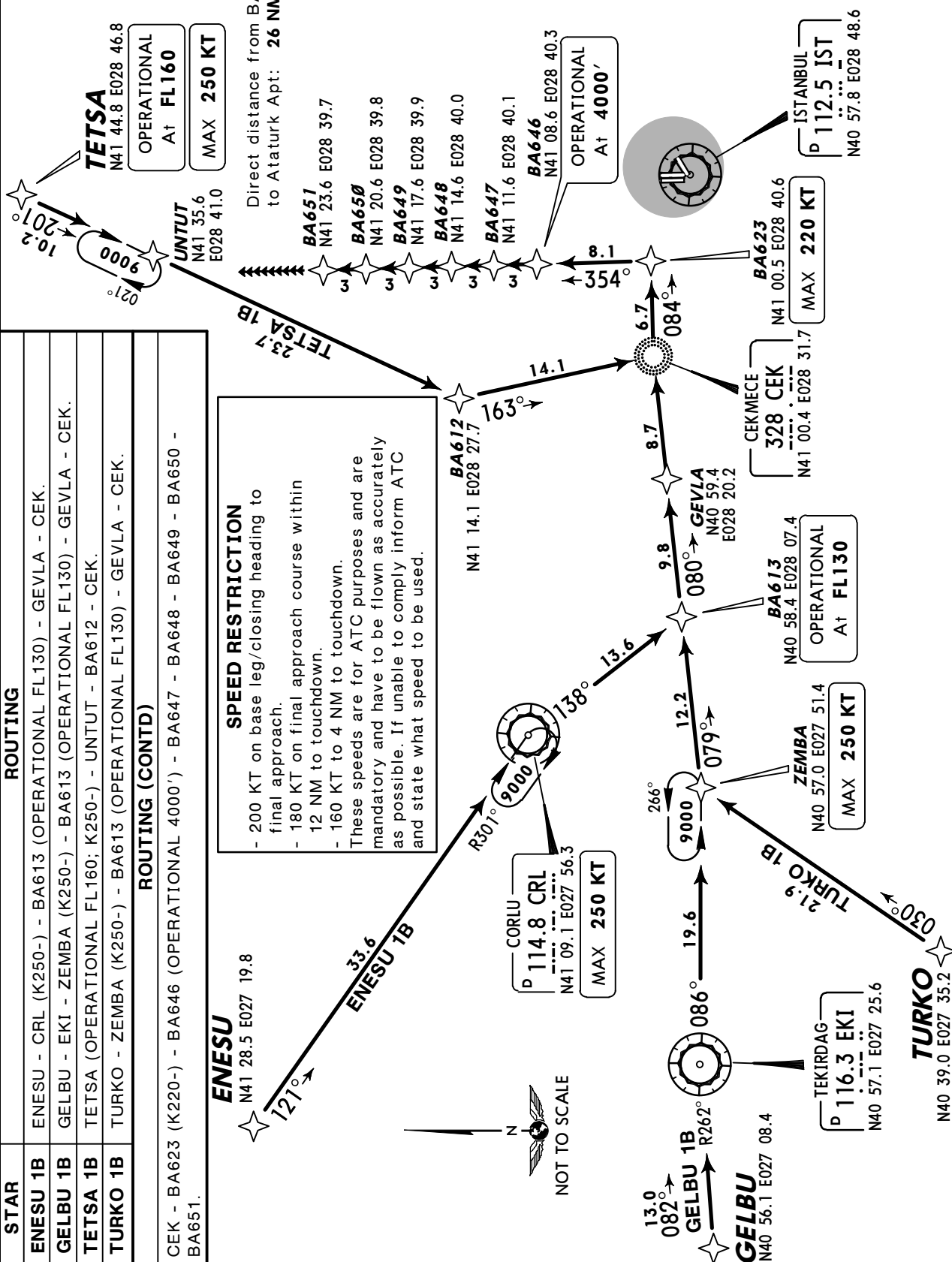
Apt Elev
163'

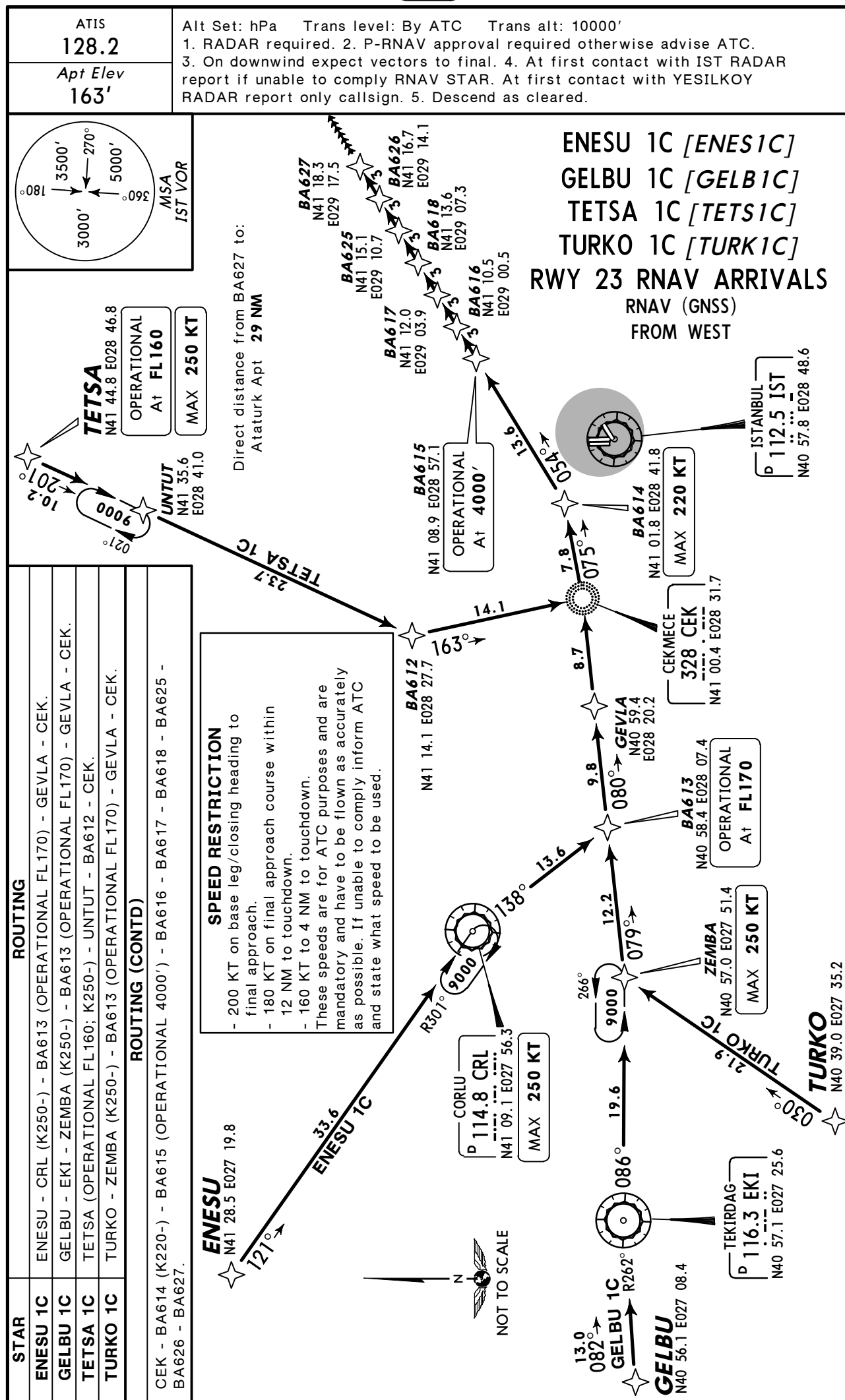
Alt Set: hPa Trans level: By ATC Trans alt: 10000'
1. RADAR required. 2. P-RNAV approval required otherwise advise ATC.
3. On downwind expect vectors to final. 4. At first contact with IST RADAR report if unable to comply RNAV STAR. At first contact with YESILKOY RADAR report only callsign. 5. Descend as cleared.



ENESU 1B [ENES1B], GELBU 1B [GELB1B] TETSA 1B [TETS1B], TURKO 1B [TURK1B] RWYS 17L/R RNAV ARRIVALS

RNAV (GNSS)
FROM WEST



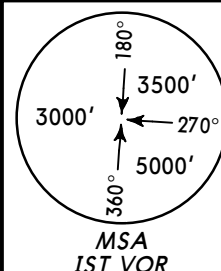


ATIS
128.2Apt Elev
163'

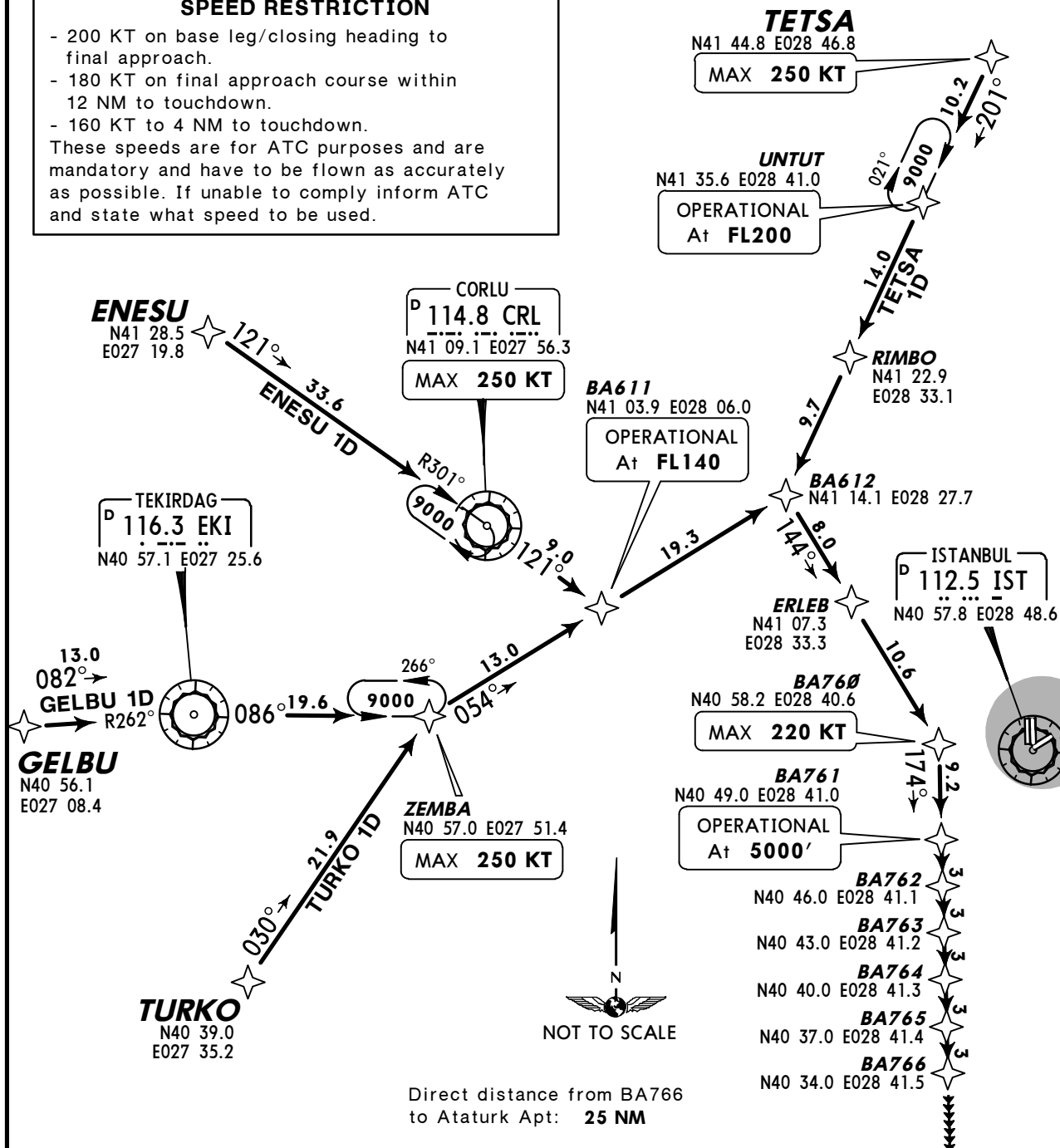
Alt Set: hPa Trans level: By ATC Trans alt: 10000'

1. RADAR required. 2. P-RNAV approval required otherwise advise ATC.
3. On downwind expect vectors to final. 4. At first contact with IST RADAR
report if unable to comply RNAV STAR. At first contact with YESILKOY
RADAR report only callsign. 5. Descend as cleared.

**ENESU 1D [ENES1D], GELBU 1D [GELB1D]
TETSA 1D [TETS1D], TURKO 1D [TURK1D]
RWYS 35L/R RNAV ARRIVALS
RNAV (GNSS)
FROM WEST**

**SPEED RESTRICTION**

- 200 KT on base leg/closing heading to final approach.
 - 180 KT on final approach course within 12 NM to touchdown.
 - 160 KT to 4 NM to touchdown.
- These speeds are for ATC purposes and are mandatory and have to be flown as accurately as possible. If unable to comply inform ATC and state what speed to be used.

**STAR****ROUTING**

ENESU 1D	ENESU - CRL (K250-) - BA611 (OPERATIONAL FL140) - BA612.
GELBU 1D	GELBU - EKI - ZEMBA (K250-) - BA611 (OPERATIONAL FL140) - BA612.
TETSA 1D	TETSA (K250-) - UNTUT (OPERATIONAL FL200) - RIMBO - BA612.
TURKO 1D	TURKO - ZEMBA (K250-) - BA611 (OPERATIONAL FL140) - BA612.

ROUTING (CONTD)

BA612 - ERLEB - BA760 (K220-) - BA761 (OPERATIONAL 5000') - BA762 - BA763 - BA764 - BA765 - BA766.

RNAV SID DESIGNATION	REFER TO CHART
MAKOL 1E, MOPIN 1E	10-3B
ERSEN 1P, MAKOL 1P, MOPIN 1P	10-3C
ERSEN 1R, MAKOL 1R, MOPIN 1R	10-3D
ERSEN 1S, MAKOL 1S, MOPIN 1S	10-3E
ERSEN 1T, MAKOL 1T, MOPIN 1T	10-3F
ERSEN 1U, MAKOL 1U, MOPIN 1U	10-3G
ERSEN 1V, MAKOL 1V, MOPIN 1V	10-3H
MAKOL 1X, MOPIN 1X	10-3J
ERSEN 1Y, MAKOL 1Y, MOPIN 1Y	10-3K
ERSEN 1Z, MAKOL 1Z, MOPIN 1Z	10-3L
EDASA 1E, PIMAV 1E	10-3M
EDASA 1N, PIMAV 1N	10-3N
EDASA 1P, PIMAV 1P	10-3P
EDASA 1Q, PIMAV 1Q	10-3Q
EDASA 1R, 1T, PIMAV 1R, 1T	10-3Q1
EDASA 1S, 1U, PIMAV 1S, 1U	10-3Q2
EDASA 1V, PIMAV 1V	10-3Q3
EDASA 1X, PIMAV 1X	10-3Q4
EDASA 1Y, PIMAV 1Y	10-3S
EDASA 1Z, PIMAV 1Z	10-3T
GOLDO 1E, MARMA 1E	10-3T1
GOLDO 1P, MARMA 1P	10-3T2
GOLDO 1R, 1T, MARMA 1R, 1T	10-3T3
GOLDO 1S, 1U, MARMA 1S, 1U	10-3T4
GOLDO 1V, MARMA 1V	10-3T5
GOLDO 1X, MARMA 1X	10-3T6
GOLDO 1Y, MARMA 1Y	10-3T7
GOLDO 1Z, MARMA 1Z	10-3T8
IBLAL 1E, VADEN 1E	10-3U
IBLAL 1P, VADEN 1P	10-3V
IBLAL 1R, 1T, VADEN 1R, 1T	10-3V1
IBLAL 1S, 1U, VADEN 1S, 1U	10-3V2
IBLAL 1V, VADEN 1V	10-3V3
IBLAL 1X, VADEN 1X	10-3V4
IBLAL 1Y, VADEN 1Y	10-3V5
IBLAL 1Z, VADEN 1Z	10-3V6
FOR SID DESIGNATION REFER TO PAGE 10-3A	

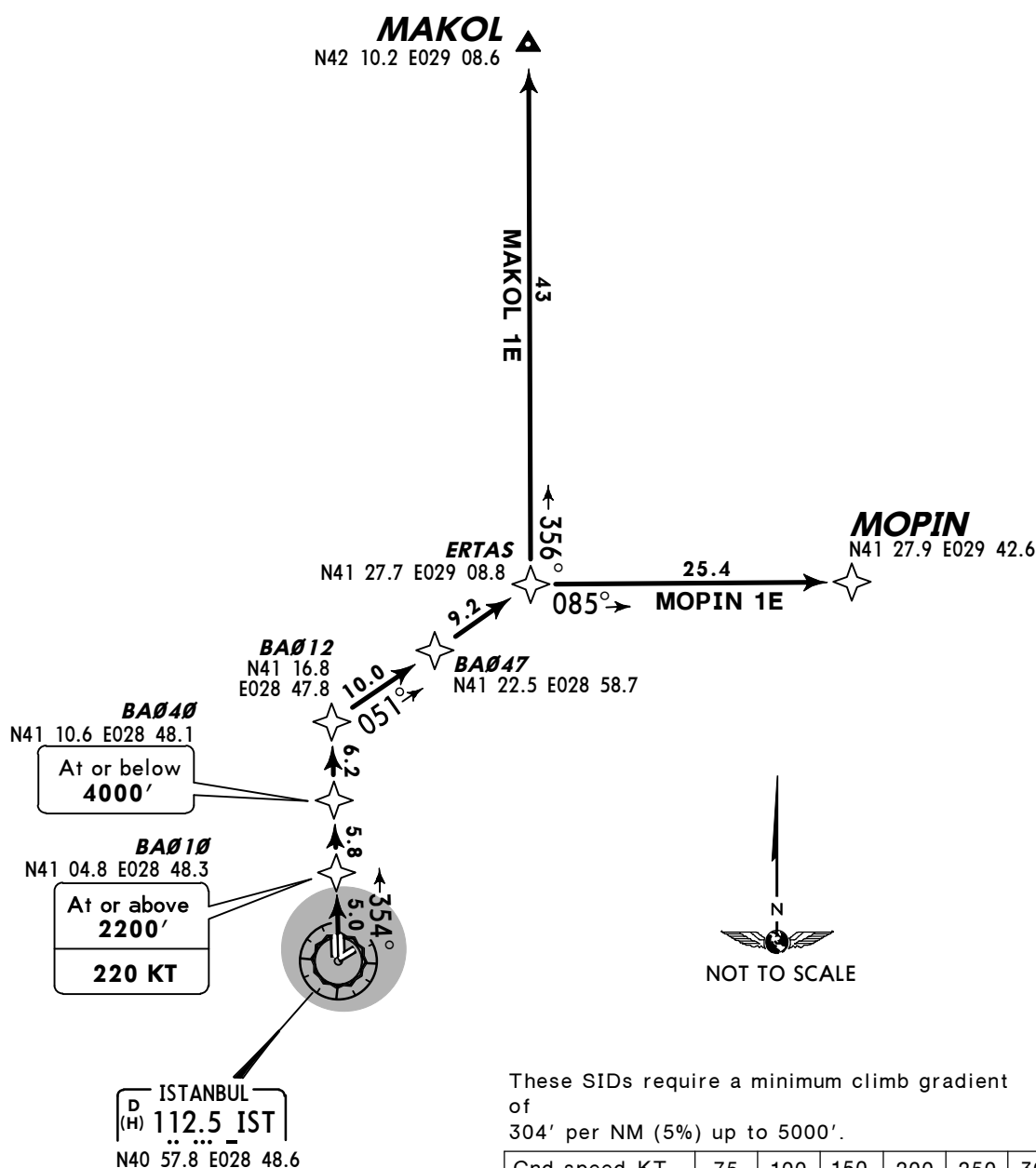
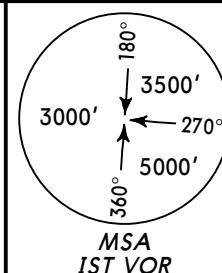
SID DESIGNATION	REFER TO CHART
ERTAS 1M, 1N, GAYEM 1N, MOPIN 1N, YALOVA 1N	10-3V7
BIGA 1M, 1N, CORLU 1N, FENER 1N, TEKIRDAG 1N	10-3V8
ERTAS 1S, 1T, GAYEM 1S, MOPIN 1A, YALOVA 2S	10-3W
BIGA 2S, CORLU 2S, FENER 2S, TEKIRDAG 2S	10-3X
ERTAS 1G, 1J, GAYEM 1G, MOPIN 1G, YALOVA 2G	10-3X1
BIGA 2G, CORLU 2G, FENER 2H, TEKIRDAG 2G	10-3X2
ERTAS 1D, 1U, GAYEM 1D, MOPIN 1D, YALOVA 1D	10-3X3
BIGA 1D, CORLU 1D, FENER 1D, 1U, TEKIRDAG 1D	10-3X4
ERTAS 1K, 1L, GAYEM 1K, MOPIN 1B, YALOVA 1K	10-3X5
BIGA 1K, CORLU 1K, FENER 1K, 1L, TEKIRDAG 1K	10-3X6

YESILKOY Radar
126.42

Apt Elev
163'

Trans level: By ATC Trans alt: 10000'
1. Contact YESILKOY Radar immediately after take-off with call sign only, check ATIS for current frequency.
2. RADAR required.
3. P-RNAV approval required otherwise advise ATC.

**MAKOL 1E [MAKO1E]
MOPIN 1E [MOP11E]
RWY 35R RNAV DEPARTURES**
RNAV (GNSS)
EXECUTED WITH RNAV STARS RWY 23



These SIDs require a minimum climb gradient of 304' per NM (5%) up to 5000'.

Gnd speed-KT	75	100	150	200	250	300
304' per NM	380	506	760	1013	1266	1519

Initial climb clearance **5000'**

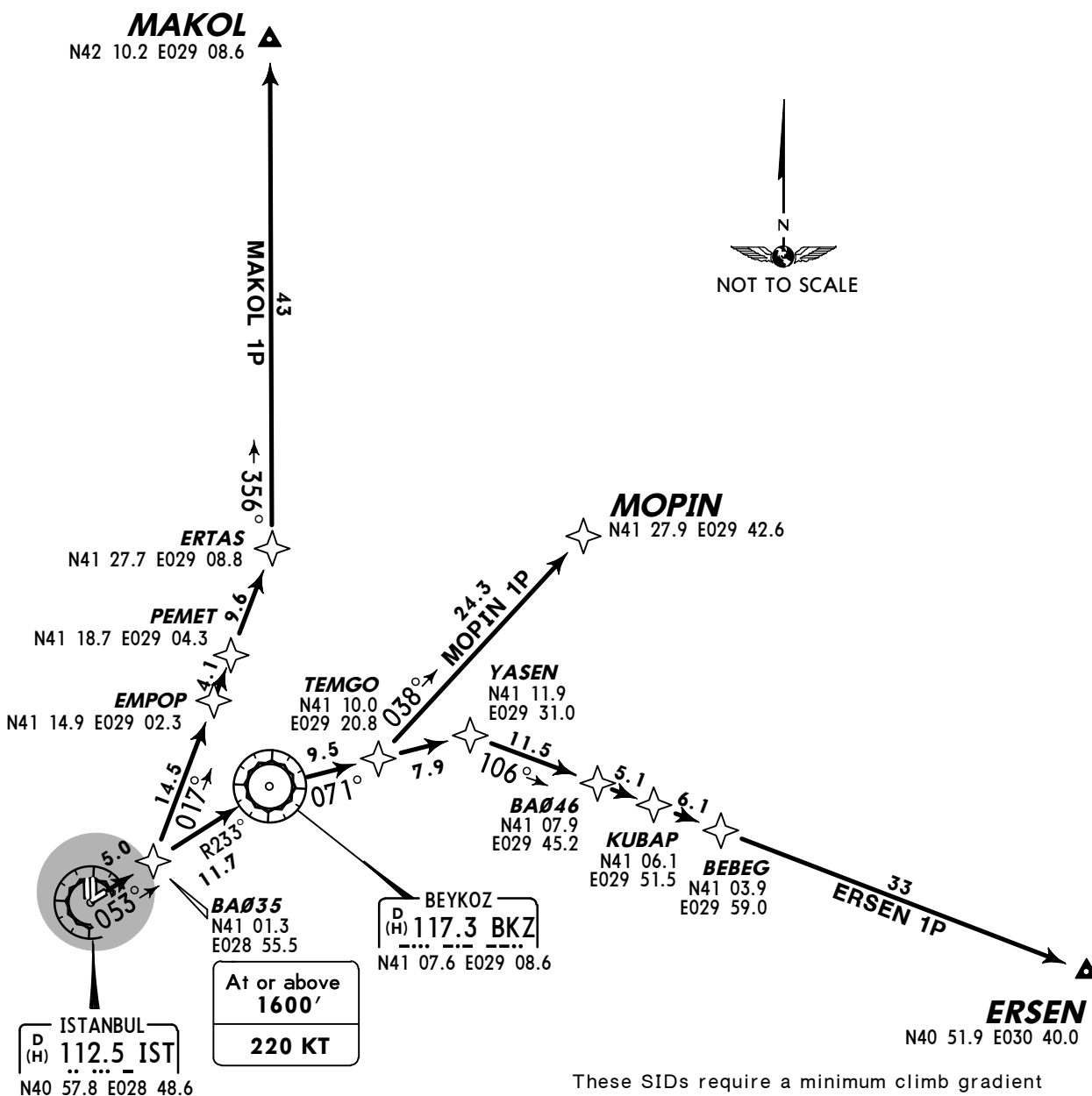
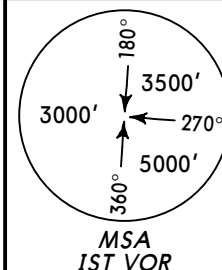
SID	ROUTING
MAKOL 1E	BA010 (2200'+; K220) - BA040 (4000'-) - BA012 - BA047 - ERTAS - MAKOL.
MOPIN 1E	BA010 (2200'+; K220) - BA040 (4000'-) - BA012 - BA047 - ERTAS - MOPIN.

YESILKOY Radar
126.42

Apt Elev
163'

Trans level: By ATC Trans alt: 10000'
1. Contact YESILKOY Radar immediately after take-off with call sign only, check ATIS for current frequency.
2. RADAR required.
3. P-RNAV approval required otherwise advise ATC.

ERSEN 1P [ERSE1P]
MAKOL 1P [MAKO1P]
MOPIN 1P [MOPI1P]
RWY 05 RNAV DEPARTURES
RNAV (GNSS)



These SIDs require a minimum climb gradient of 304' per NM (5%) up to 5000'.

Gnd speed-KT	75	100	150	200	250	300
304' per NM	380	506	760	1013	1266	1519

Initial climb clearance **5000'**

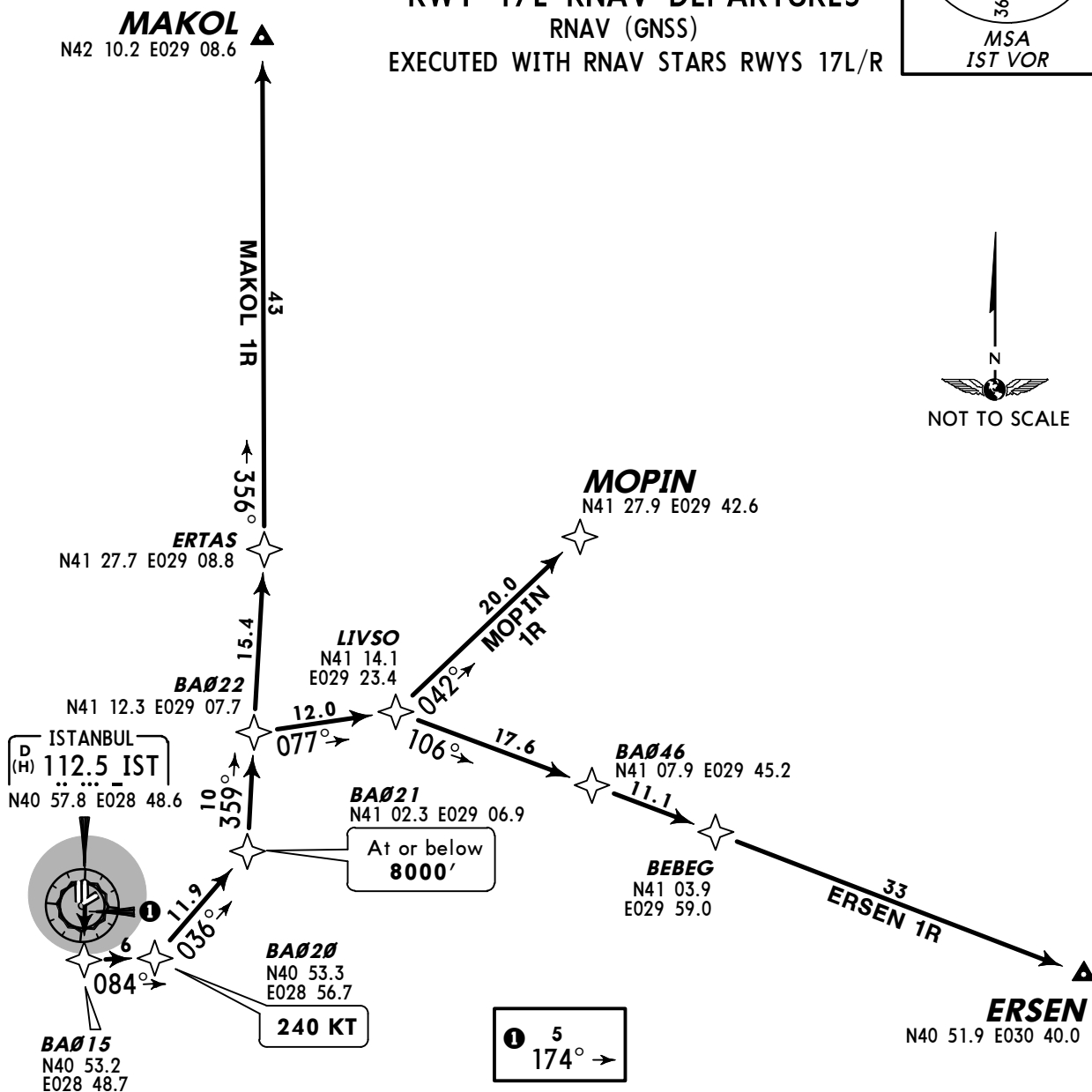
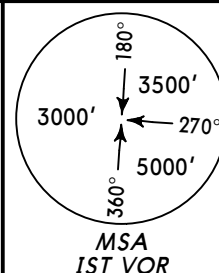
SID	ROUTING
ERSEN 1P	BA035 (1600'+; K220) - BKZ - YASEN - BA046 - KUBAP - BEBEG - ERSEN.
MAKOL 1P	BA035 (1600'+; K220) - EMPOP - PEMET - ERTAS - MAKOL.
MOPIN 1P	BA035 (1600'+; K220) - BKZ - TEMGO - MOPIN.

YESILKOY Radar
126.42

Apt Elev
163'

Trans level: By ATC Trans alt: 10000'
1. Contact YESILKOY Radar immediately after take-off with call sign only, check ATIS for current frequency.
2. RADAR required.
3. P-RNAV approval required otherwise advise ATC.

ERSEN 1R [ERSE1R]
MAKOL 1R [MAKO1R]
MOPIN 1R [MOPI1R]
RWY 17L RNAV DEPARTURES
RNAV (GNSS)
EXECUTED WITH RNAV STARS RWYS 17L/R



These SIDs require a minimum climb gradient of
261' per NM (4.3%) up to 5000'.

Gnd speed-KT	75	100	150	200	250	300
261' per NM	327	435	653	871	1089	1306

Initial climb clearance 5000'

SID	ROUTING
ERSEN 1R	BA015 (1400'+; K220) - BA020 (K240) - BA021 (8000'-) - BA022 - LIVSO - BA046 - BEBEG - ERSEN.
MAKOL 1R	BA015 (1400'+; K220) - BA020 (K240) - BA021 (8000'-) - BA022 - ERTAS - MAKOL.
MOPIN 1R	BA015 (1400'+; K220) - BA020 (K240) - BA021 (8000'-) - BA022 - LIVSO - MOPIN.

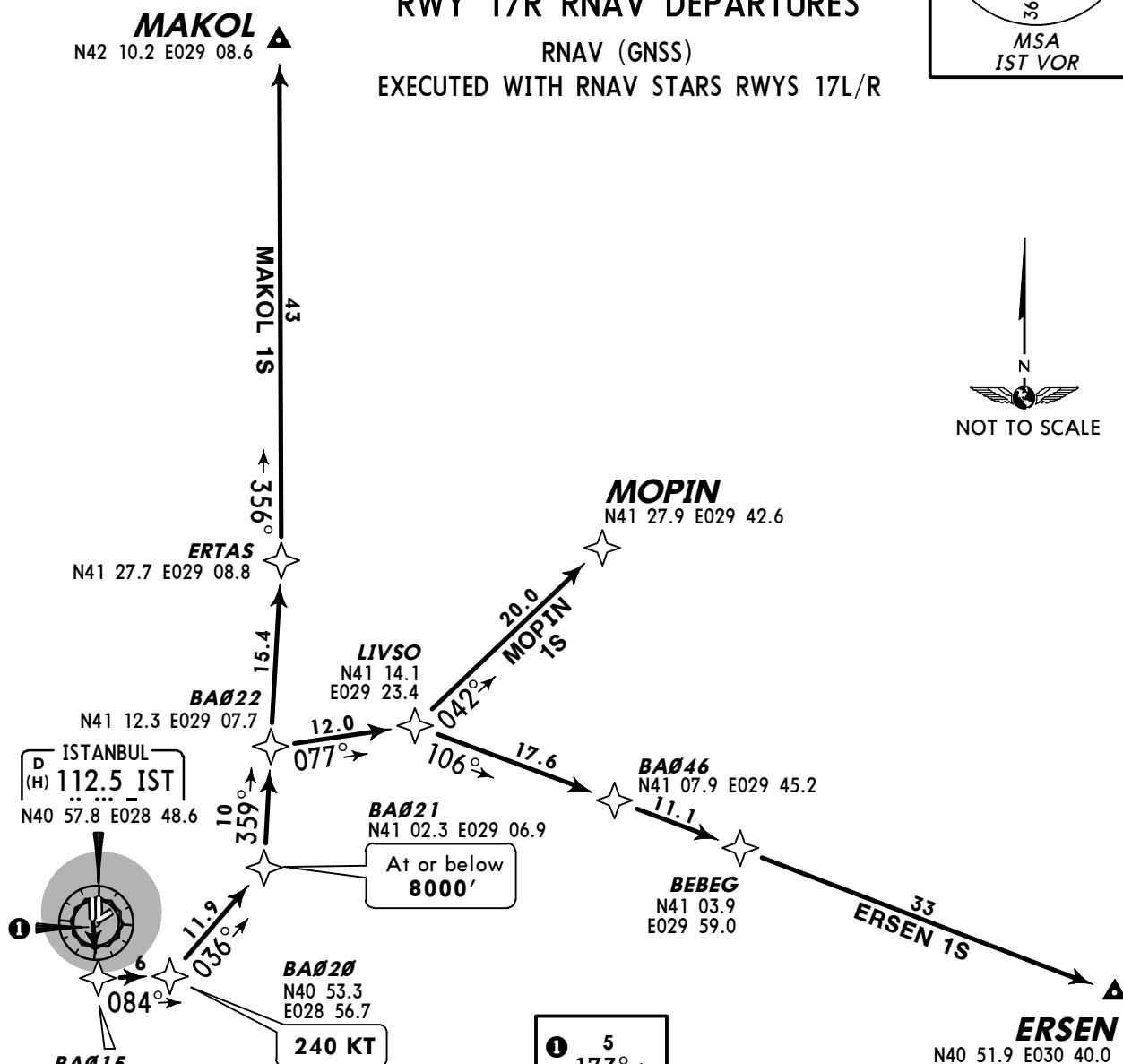
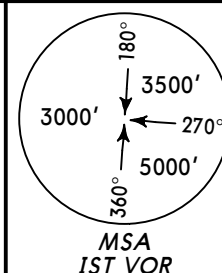
YESILKOY Radar
126.42

Apt Elev
163'

Trans level: By ATC Trans alt: 10000'
1. Contact YESILKOY Radar immediately after take-off with call sign only, check ATIS for current frequency.
2. RADAR required.
3. P-RNAV approval required otherwise advise ATC.

ERSEN 1S [ERSE1S]
MAKOL 1S [MAKO1S]
MOPIN 1S [MOPI1S]
RWY 17R RNAV DEPARTURES

RNAV (GNSS)
EXECUTED WITH RNAV STARS RWYS 17L/R



These SIDs require a minimum climb gradient of
261' per NM (4.3%) up to 5000'.

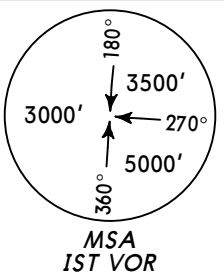
Gnd speed-KT	75	100	150	200	250	300
261' per NM	327	435	653	871	1089	1306

Initial climb clearance **5000'**

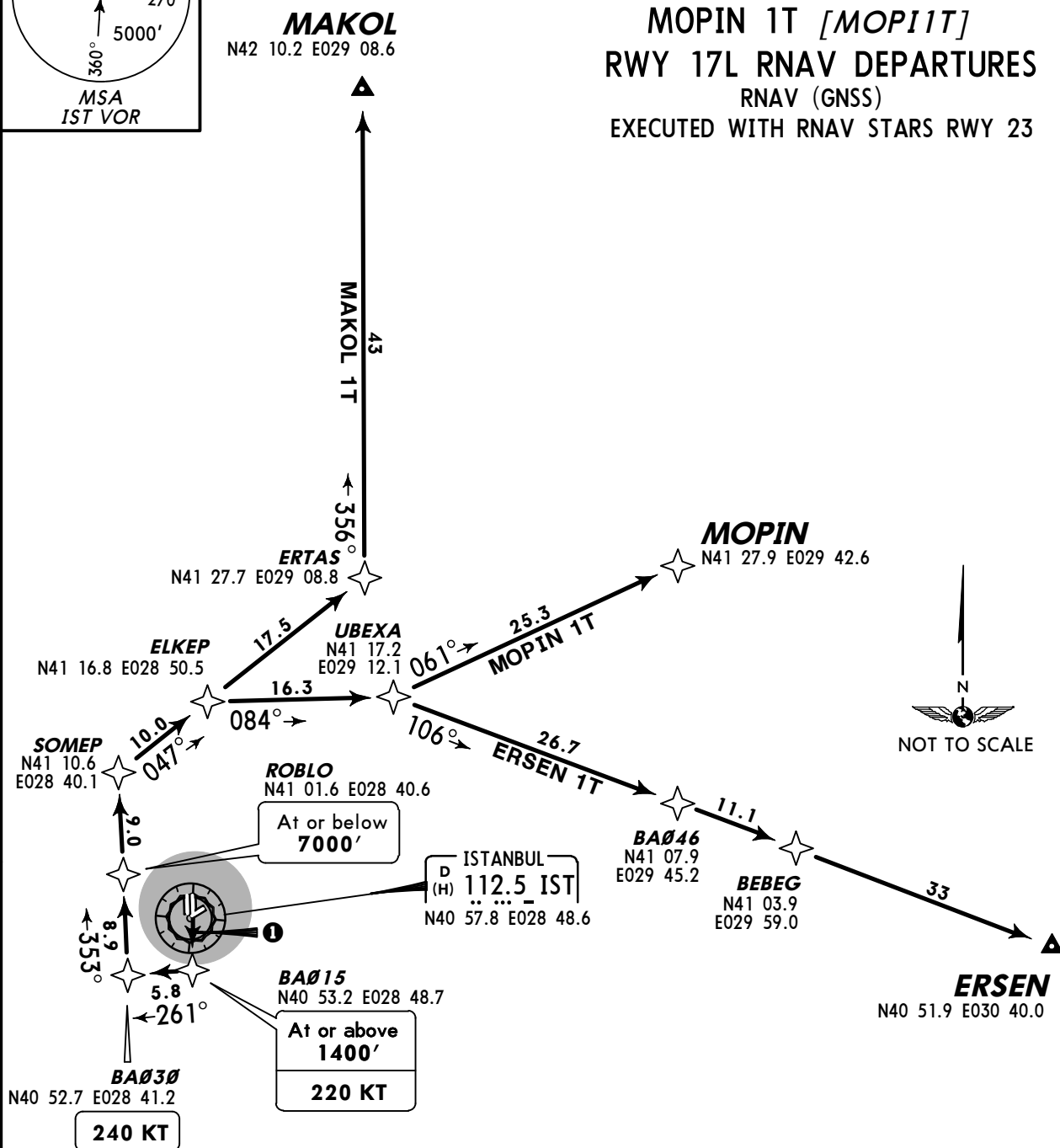
SID	ROUTING
ERSEN 1S	BA015 (1400'+; K220) - BA020 (K240) - BA021 (8000'-) - BA022 - LIVSO - BA046 - BEBEG - ERSEN.
MAKOL 1S	BA015 (1400'+; K220) - BA020 (K240) - BA021 (8000'-) - BA022 - ERTAS - MAKOL.
MOPIN 1S	BA015 (1400'+; K220) - BA020 (K240) - BA021 (8000'-) - BA022 - LIVSO - MOPIN.

YESILKOY Radar
126.42
Apt Elev
163'

Trans level: By ATC Trans alt: 10000'
1. Contact YESILKOY Radar immediately after take-off with call sign only, check ATIS for current frequency.
2. RADAR required.
3. P-RNAV approval required otherwise advise ATC.



ERSEN 1T [ERSE1T]
MAKOL 1T [MAKO1T]
MOPIN 1T [MOP11T]
RWY 17L RNAV DEPARTURES
RNAV (GNSS)
EXECUTED WITH RNAV STARS RWY 23



These SIDs require a minimum climb gradient of 261' per NM (4.3%) up to 5000'.

Gnd speed-KT	75	100	150	200	250	300
261' per NM	327	435	653	871	1089	1306

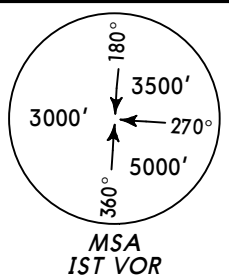
Initial climb clearance **5000'**

SID	ROUTING
ERSEN 1T	BA015 (1400'+; K220) - BA030 (K240) - ROBLO (7000'-) - SOMEF - ELKEP - UBEXA - BA046 - BEBEG - ERSEN.
MAKOL 1T	BA015 (1400'+; K220) - BA030 (K240) - ROBLO (7000'-) - SOMEF - ELKEP - ERTAS - MAKOL.
MOPIN 1T	BA015 (1400'+; K220) - BA030 (K240) - ROBLO (7000'-) - SOMEF - ELKEP - UBEXA - MOPIN.

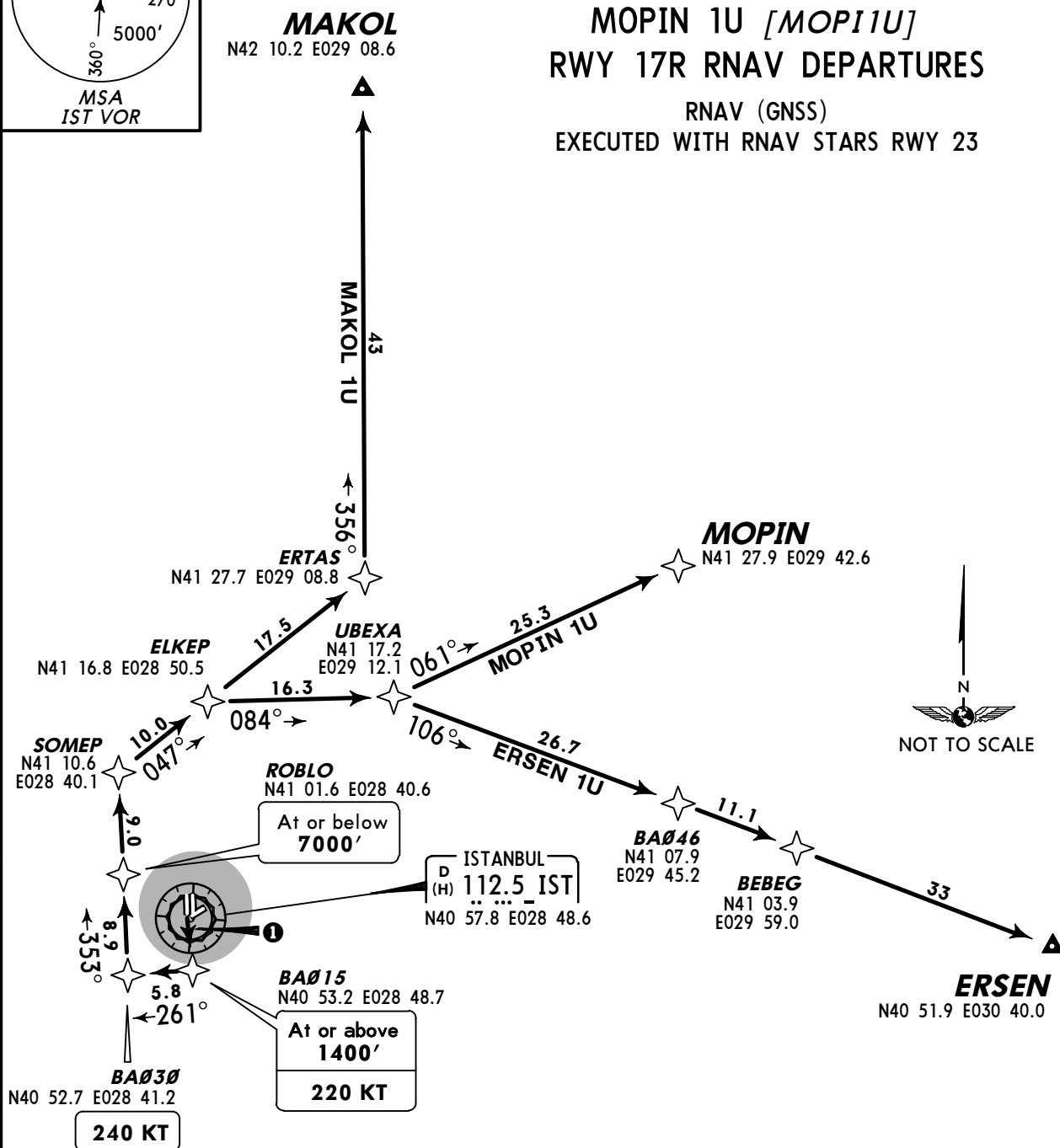
YESILKOY Radar
126.42

Apt Elev
163'

Trans level: By ATC Trans alt: 10000'
1. Contact YESILKOY Radar immediately after take-off with call sign only, check ATIS for current frequency.
2. RADAR required.
3. P-RNAV approval required otherwise advise ATC.



**ERSEN 1U [ERSE1U]
MAKOL 1U [MAKO1U]
MOPIN 1U [MOPI1U]
RWY 17R RNAV DEPARTURES**
RNAV (GNSS)
EXECUTED WITH RNAV STARS RWY 23



These SIDs require a minimum climb gradient of 261' per NM (4.3%) up to 5000'.

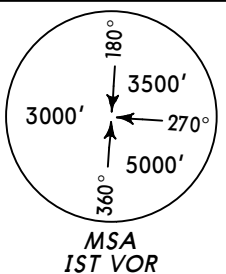
Gnd speed-KT	75	100	150	200	250	300
261' per NM	327	435	653	871	1089	1306

Initial climb clearance **5000'**

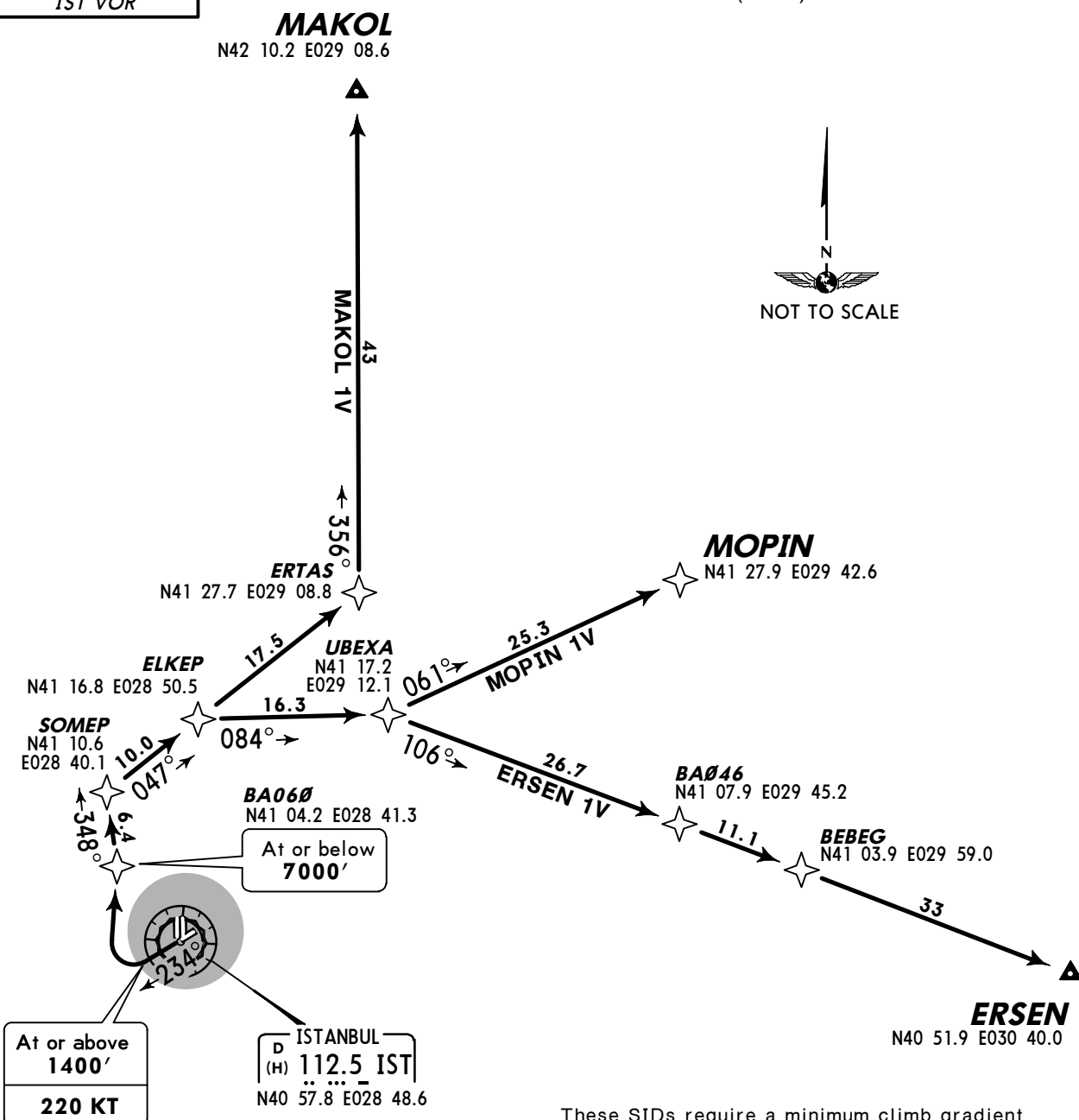
SID	ROUTING
ERSEN 1U	BA015 (1400'+; K220) - BA030 (K240) - ROBLO (7000'-) - SOMEPE - ELKEP - UBEXA - BA046 - BEBEG - ERSEN.
MAKOL 1U	BA015 (1400'+; K220) - BA030 (K240) - ROBLO (7000'-) - SOMEPE - ELKEP - ERTAS - MAKOL.
MOPIN 1U	BA015 (1400'+; K220) - BA030 (K240) - ROBLO (7000'-) - SOMEPE - ELKEP - UBEXA - MOPIN.

YESILKOY Radar
126.42
Apt Elev
163'

Trans level: By ATC Trans alt: 10000'
1. Contact YESILKOY Radar immediately after take-off with call sign only, check ATIS for current frequency.
2. RADAR required.
3. P-RNAV approval required otherwise advise ATC.
4. No turns prior to DER.



ERSEN 1V [ERSE1V]
MAKOL 1V [MAKO1V]
MOPIN 1V [MOPI1V]
RWY 23 RNAV DEPARTURES
RNAV (GNSS)



These SIDs require a minimum climb gradient of 261' per NM (4.3%) up to 5000'.

Gnd speed-KT	75	100	150	200	250	300
261' per NM	327	435	653	871	1089	1306

Initial climb clearance 5000'

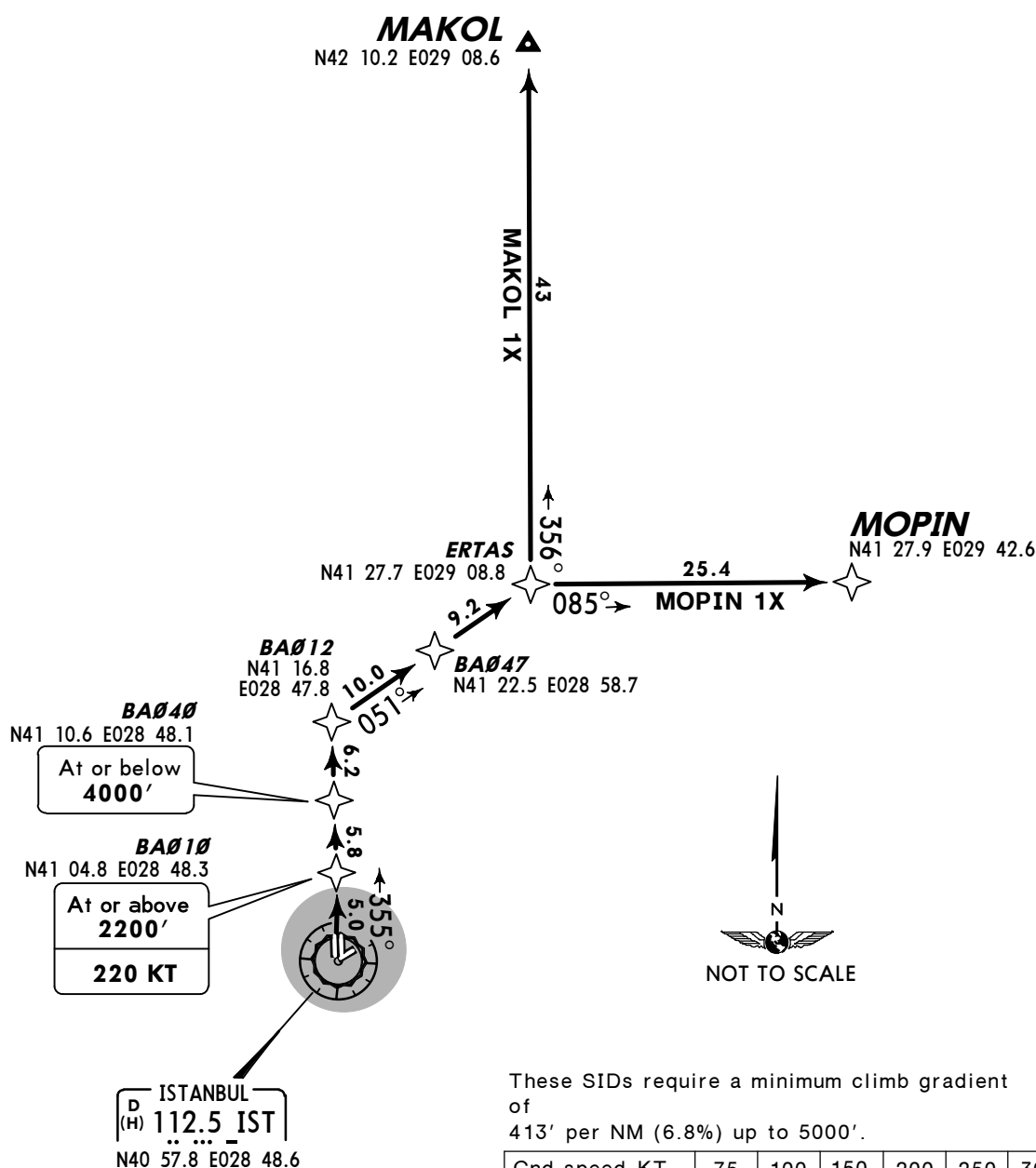
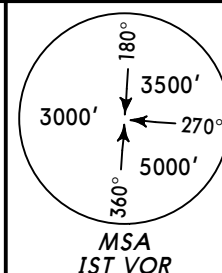
SID	ROUTING
ERSEN 1V	(1400'+; K220) - BA060 (7000'-) - SOMEPE - ELKEP - UBEXA - BA046 - BEBEG - ERSEN.
MAKOL 1V	(1400'+; K220) - BA060 (7000'-) - SOMEPE - ELKEP - ERTAS - MAKOL.
MOPIN 1V	(1400'+; K220) - BA060 (7000'-) - SOMEPE - ELKEP - UBEXA - MOPIN.

YESILKOY Radar
126.42

Apt Elev
163'

Trans level: By ATC Trans alt: 10000'
1. Contact YESILKOY Radar immediately after take-off with call sign only, check ATIS for current frequency.
2. RADAR required.
3. P-RNAV approval required otherwise advise ATC.

**MAKOL 1X [MAKO1X]
MOPIN 1X [MOP11X]
RWY 35L RNAV DEPARTURES**
RNAV (GNSS)
EXECUTED WITH RNAV STARS RWY 23



These SIDs require a minimum climb gradient of 413' per NM (6.8%) up to 5000'.

Gnd speed-KT	75	100	150	200	250	300
413' per NM	516	689	1033	1377	1722	2066

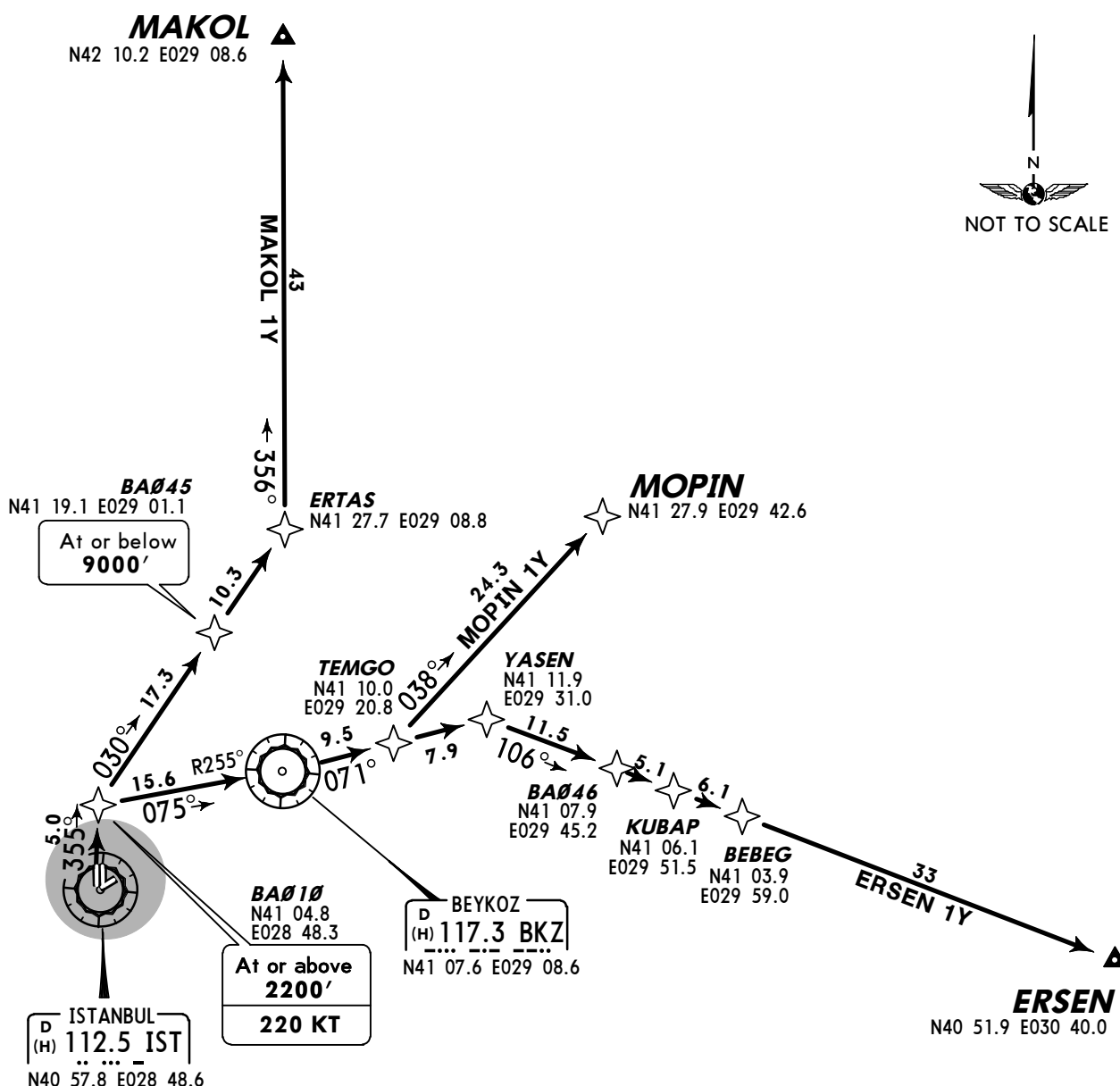
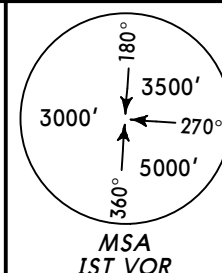
Initial climb clearance **5000'**

SID	ROUTING
MAKOL 1X	BA010 (2200'+; K220) - BA040 (4000'-) - BA012 - BA047 - ERTAS - MAKOL.
MOPIN 1X	BA010 (2200'+; K220) - BA040 (4000'-) - BA012 - BA047 - ERTAS - MOPIN.

YESILKOY Radar
126.42
Apt Elev
163'

Trans level: By ATC Trans alt: 10000'
1. Contact YESILKOY Radar immediately after take-off with call sign only, check ATIS for current frequency.
2. RADAR required.
3. P-RNAV approval required otherwise advise ATC.

ERSEN 1Y [ERSE1Y]
MAKOL 1Y [MAKO1Y]
MOPIN 1Y [MOP11Y]
RWY 35L RNAV DEPARTURES
RNAV (GNSS)



These SIDs require a minimum climb gradient of 413' per NM (6.8%) up to 5000'.

Gnd speed-KT	75	100	150	200	250	300
413' per NM	516	689	1033	1377	1722	2066

Initial climb clearance **5000'**

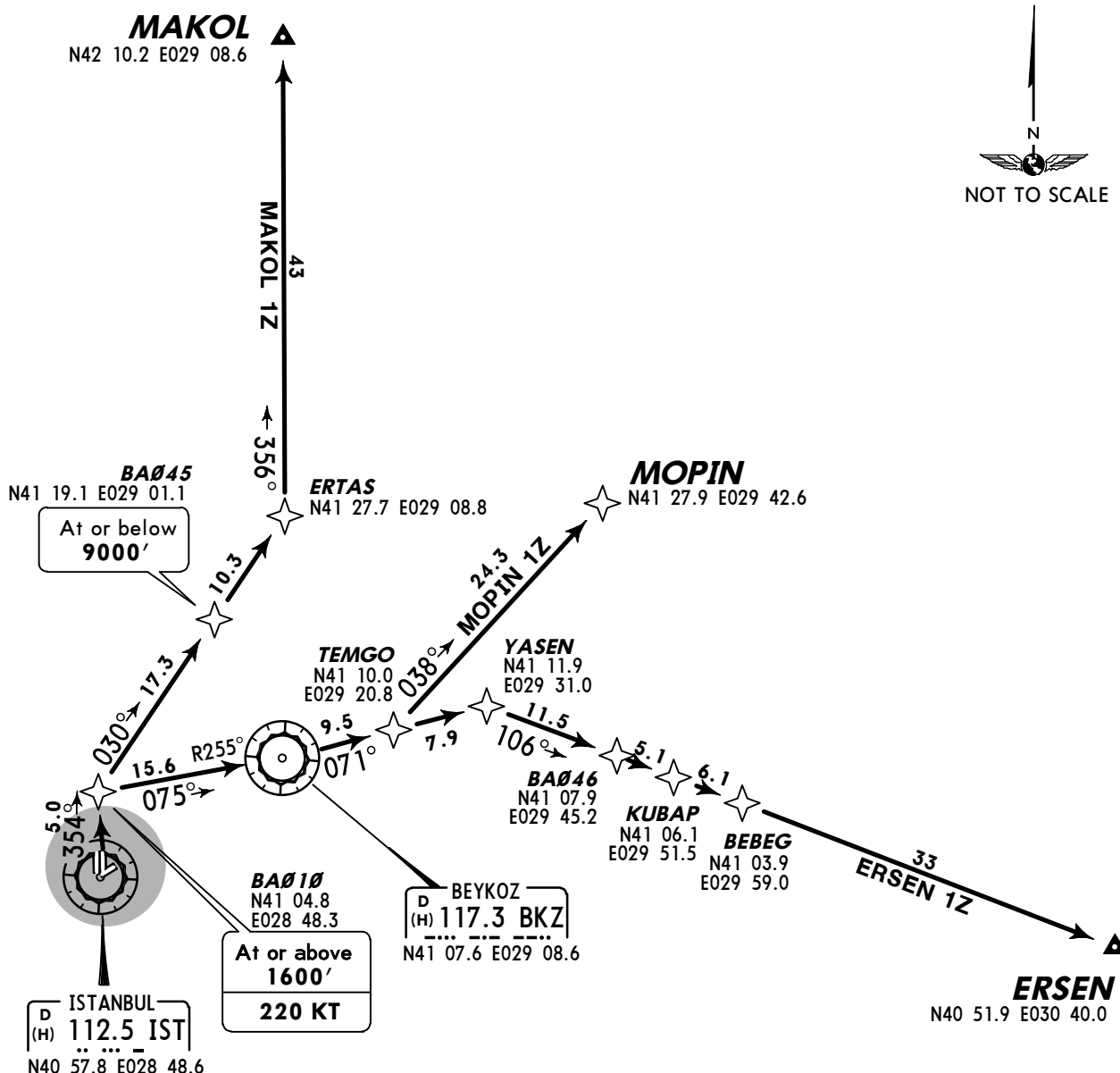
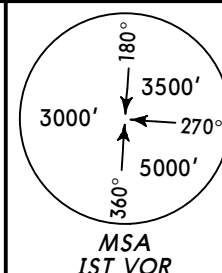
SID	ROUTING
ERSEN 1Y	BA010 (2200'+; K220) - BKZ - YASEN - BA046 - KUBAP - BEBEG - ERSEN.
MAKOL 1Y	BA010 (2200'+; K220) - BA045 (9000'-) - ERTAS - MAKOL.
MOPIN 1Y	BA010 (2200'+; K220) - BKZ - TEMGO - MOPIN.

YESILKOY Radar
126.42

Apt Elev
163'

Trans level: By ATC Trans alt: 10000'
1. Contact YESILKOY Radar immediately after take-off with call sign only, check ATIS for current frequency.
2. RADAR required.
3. P-RNAV approval required otherwise advise ATC.

ERSEN 1Z [ERSE1Z]
MAKOL 1Z [MAKO1Z]
MOPIN 1Z [MOP11Z]
RWY 35R RNAV DEPARTURES
RNAV (GNSS)



These SIDs require a minimum climb gradient of 304' per NM (5%) up to 5000'.

Gnd speed-KT	75	100	150	200	250	300
304' per NM	380	506	760	1013	1266	1519

Initial climb clearance **9000'**

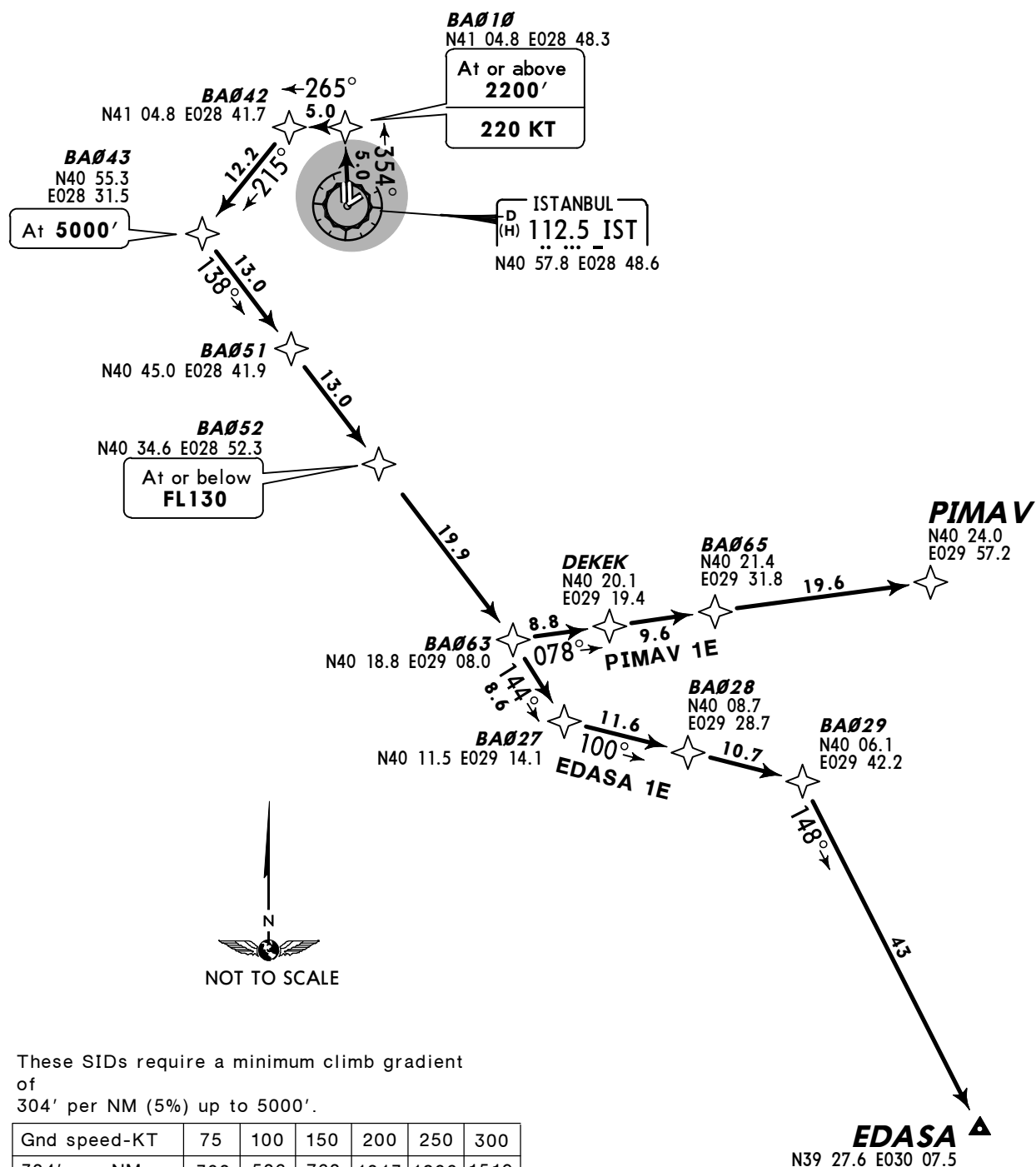
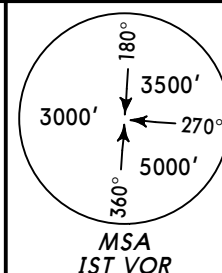
SID	ROUTING
ERSEN 1Z	BA010 (1600'+; K220) - BKZ - YASEN - BA046 - KUBAP - BEBEG - ERSEN.
MAKOL 1Z	BA010 (1600'+; K220) - BA045 (9000'-) - ERTAS - MAKOL.
MOPIN 1Z	BA010 (1600'+; K220) - BKZ - TEMGO - MOPIN.

YESILKOY Radar
126.42

Apt Elev
163'

Trans level: By ATC Trans alt: 10000'
1. Contact YESILKOY Radar immediately after take-off with call sign only, check ATIS for current frequency.
2. RADAR required.
3. P-RNAV approval required otherwise advise ATC.

**EDASA 1E [EDAS1E]
PIMAV 1E [PIMA1E]
RWY 35R RNAV DEPARTURES**
RNAV (GNSS)
EXECUTED WITH RNAV STARS RWY 23



These SIDs require a minimum climb gradient of 304' per NM (5%) up to 5000'.

Gnd speed-KT	75	100	150	200	250	300
304' per NM	380	506	760	1013	1266	1519

Initial climb clearance **5000'**

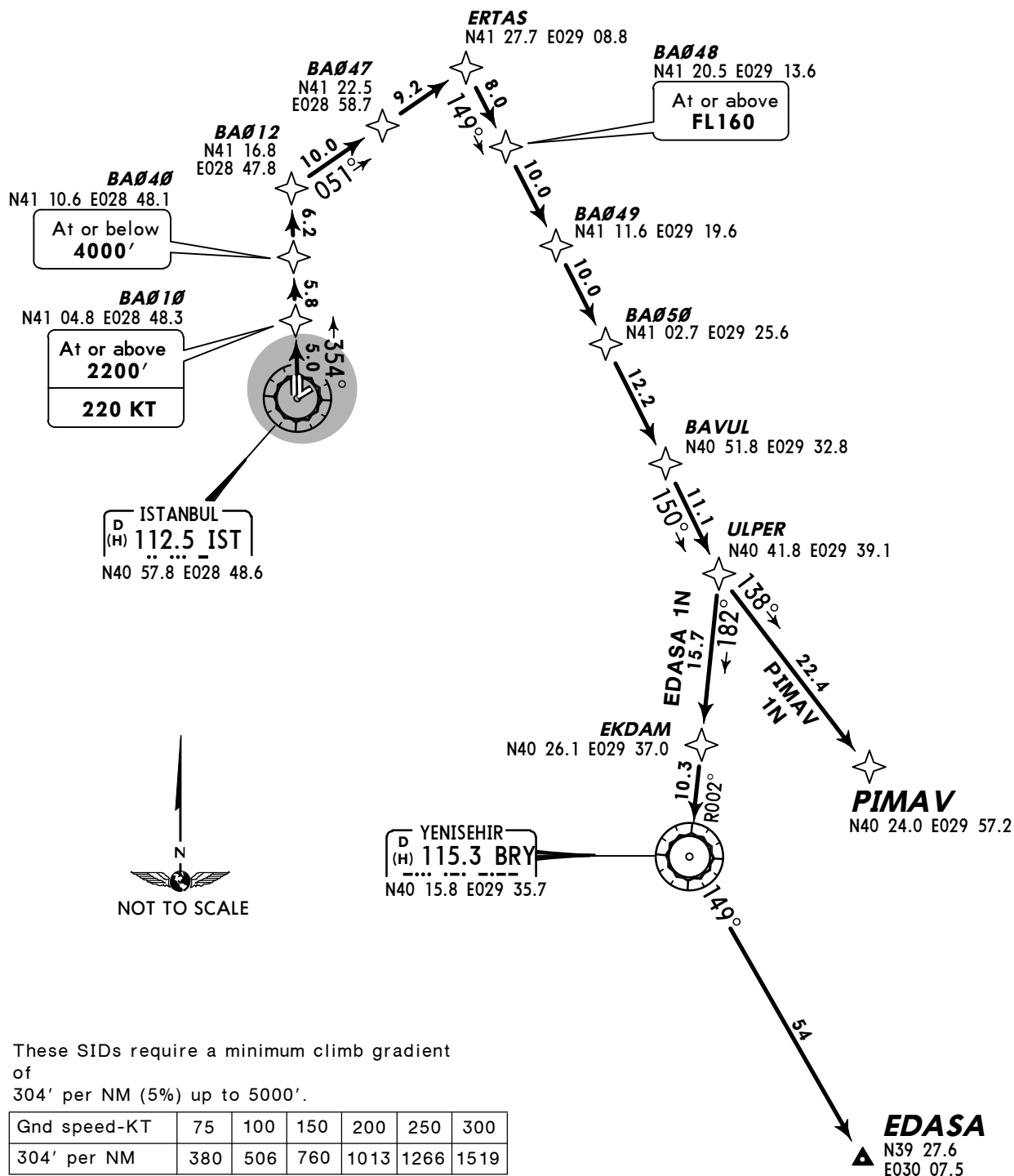
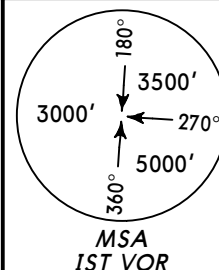
SID	ROUTING
EDASA 1E	BA010 (2200'+; K220) - BA042 - BA043 (5000') - BA051 - BA052 (FL130-) - BA063 - BA027 - BA028 - BA029 - EDASA.
PIMAV 1E	BA010 (2200'+; K220) - BA042 - BA043 (5000') - BA051 - BA052 (FL130-) - BA063 - DEKEK - BA065 - PIMAV.

YESILKOY Radar
126.42

Apt Elev
163'

Trans level: By ATC Trans alt: 10000'
1. Contact YESILKOY Radar immediately after take-off with call sign only, check ATIS for current frequency.
2. RADAR required.
3. P-RNAV approval required otherwise advise ATC.

**EDASA 1N [EDAS1N]
PIMAV 1N [PIMA1N]
RWY 35R RNAV DEPARTURES**
RNAV (GNSS)
EXECUTED WITH RNAV STARS RWY 23



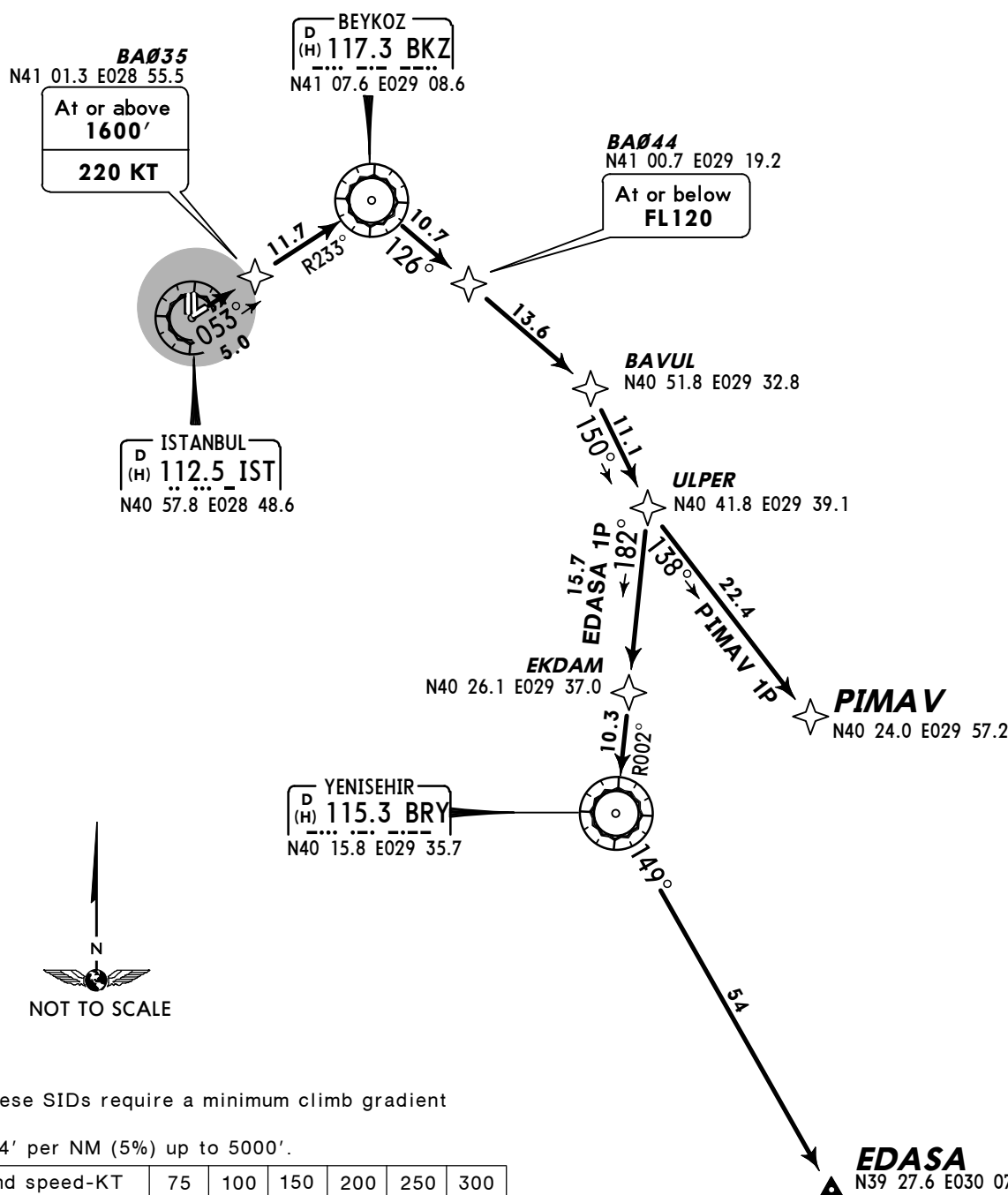
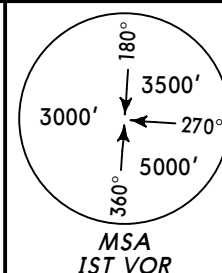
Initial climb clearance **5000'**

SID	ROUTING
EDASA 1N	BA010 (2200'+; K220) - BA040 (4000'-) - BA012 - BA047 - ERTAS - BA048 (FL160+) - BA049 - BA050 - BAVUL - ULPER - EKDAM - BRY - EDASA.
PIMAV 1N	BA010 (2200'+; K220) - BA040 (4000'-) - BA012 - BA047 - ERTAS - BA048 (FL160+) - BA049 - BA050 - BAVUL - ULPER - PIMAV.

YESILKOY Radar
126.42
Apt Elev
163'

Trans level: By ATC Trans alt: 10000'
1. Contact YESILKOY Radar immediately after take-off with call sign only, check ATIS for current frequency.
2. RADAR required.
3. P-RNAV approval required otherwise advise ATC.

**EDASA 1P [EDAS1P]
PIMAV 1P [PIMA1P]
RWY 05 RNAV DEPARTURES
RNAV (GNSS)**



These SIDs require a minimum climb gradient of 304' per NM (5%) up to 5000'.

Gnd speed-KT	75	100	150	200	250	300
304' per NM	380	506	760	1013	1266	1519

Initial climb clearance **5000'**

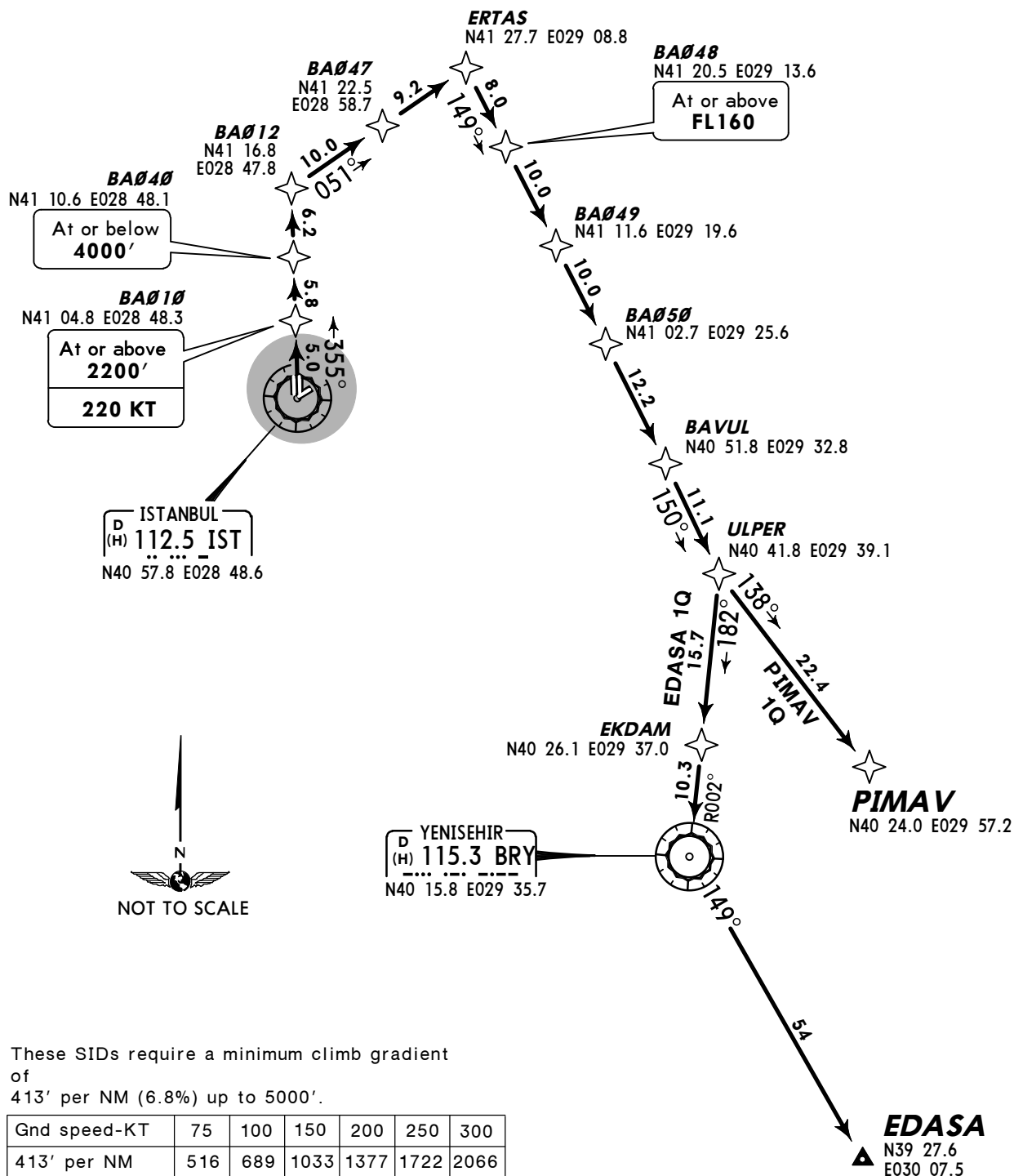
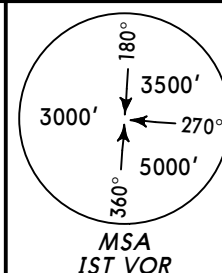
SID	ROUTING
EDASA 1P	BA035 (1600'+; K220) - BKZ - BA044 (FL120-) - BAVUL - ULPER - EKDAM - BRY - EDASA.
PIMAV 1P	BA035 (1600'+; K220) - BKZ - BA044 (FL120-) - BAVUL - ULPER - PIMAV.

YESILKOY Radar
126.42

Apt Elev
163'

Trans level: By ATC Trans alt: 10000'
1. Contact YESILKOY Radar immediately after take-off with call sign only, check ATIS for current frequency.
2. RADAR required.
3. P-RNAV approval required otherwise advise ATC.

**EDASA 1Q [EDAS1Q]
PIMAV 1Q [PIMA1Q]
RWY 35L RNAV DEPARTURES**
RNAV (GNSS)
EXECUTED WITH RNAV STARS RWY 23

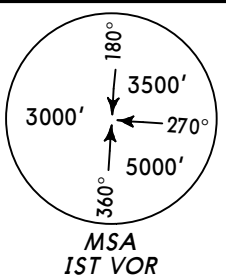


Initial climb clearance **5000'**

SID	ROUTING
EDASA 1Q	BA010 (2200'+; K220) - BA040 (4000'-) - BA012 - BA047 - ERTAS - BA048 (FL160+) - BA049 - BA050 - BAVUL - ULPER - EKDAM - BRY - EDASA.
PIMAV 1Q	BA010 (2200'+; K220) - BA040 (4000'-) - BA012 - BA047 - ERTAS - BA048 (FL160+) - BA049 - BA050 - BAVUL - ULPER - PIMAV.

YESILKOY Radar
126.42
Apt Elev
163'

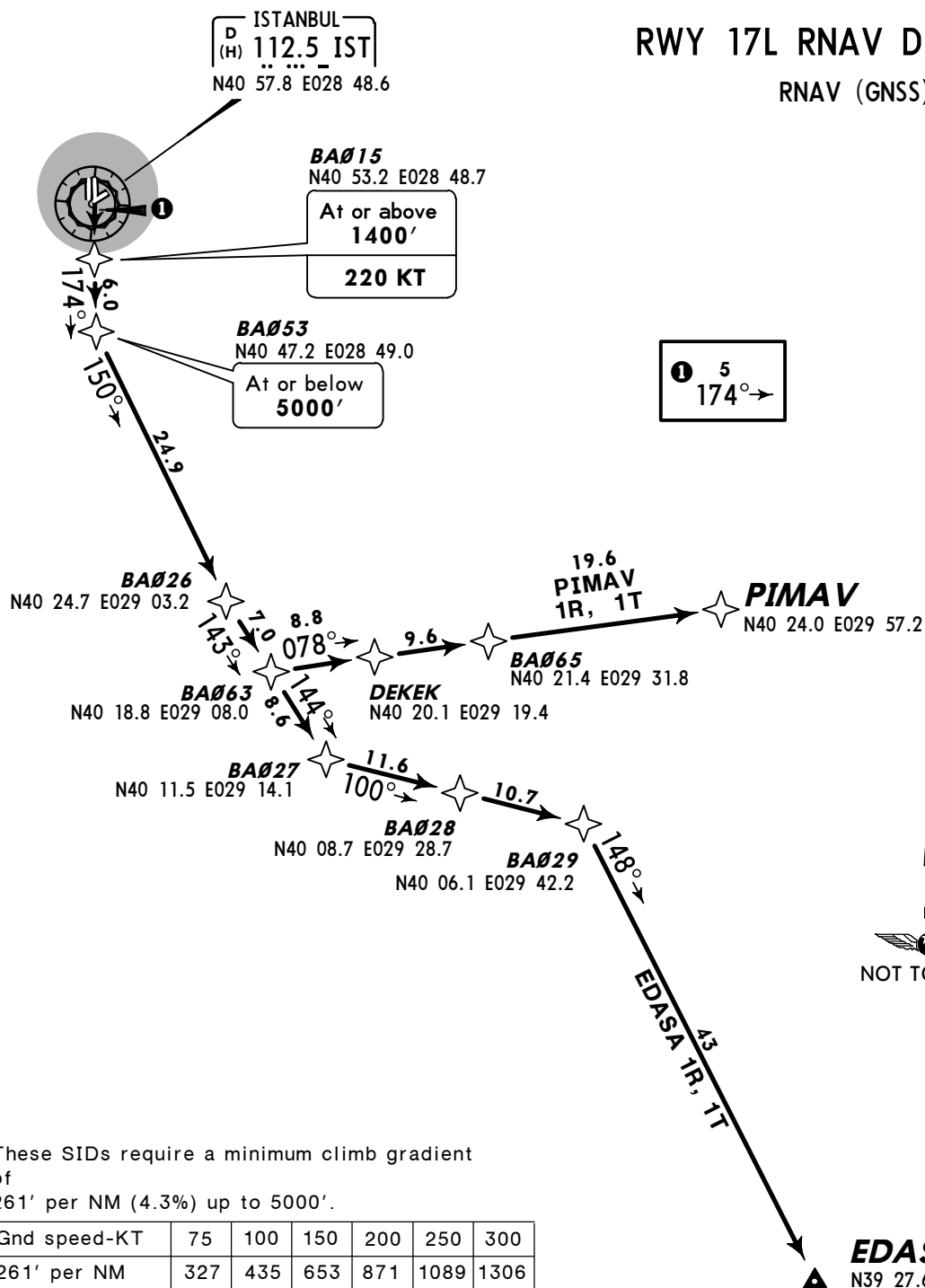
Trans level: By ATC Trans alt: 10000'
1. Contact YESILKOY Radar immediately after take-off with call sign only, check ATIS for current frequency.
2. RADAR required.
3. P-RNAV approval required otherwise advise ATC.



EDASA 1R [EDAS1R]
PIMAV 1R [PIMA1R]
EXECUTED WITH RNAV STARS RWYS 17L/R

EDASA 1T [EDAS1T]
PIMAV 1T [PIMA1T]
EXECUTED WITH RNAV STARS RWY 23

RWY 17L RNAV DEPARTURES
RNAV (GNSS)



These SIDs require a minimum climb gradient of 261' per NM (4.3%) up to 5000'.

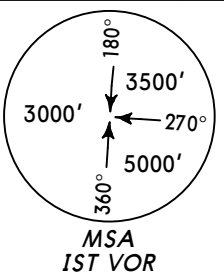
Gnd speed-KT	75	100	150	200	250	300
261' per NM	327	435	653	871	1089	1306

Initial climb clearance 5000'

SID	ROUTING
EDASA 1R, 1T	BA015 (1400'+; K220) - BA053 (5000'-) - BA026 - BA027 - BA028 - BA029 - EDASA.
PIMAV 1R, 1T	BA015 (1400'+; K220) - BA053 (5000'-) - BA026 - BA063 - DEKEK - BA065 - PIMAV.

YESILKOY Radar
126.42
Apt Elev
163'

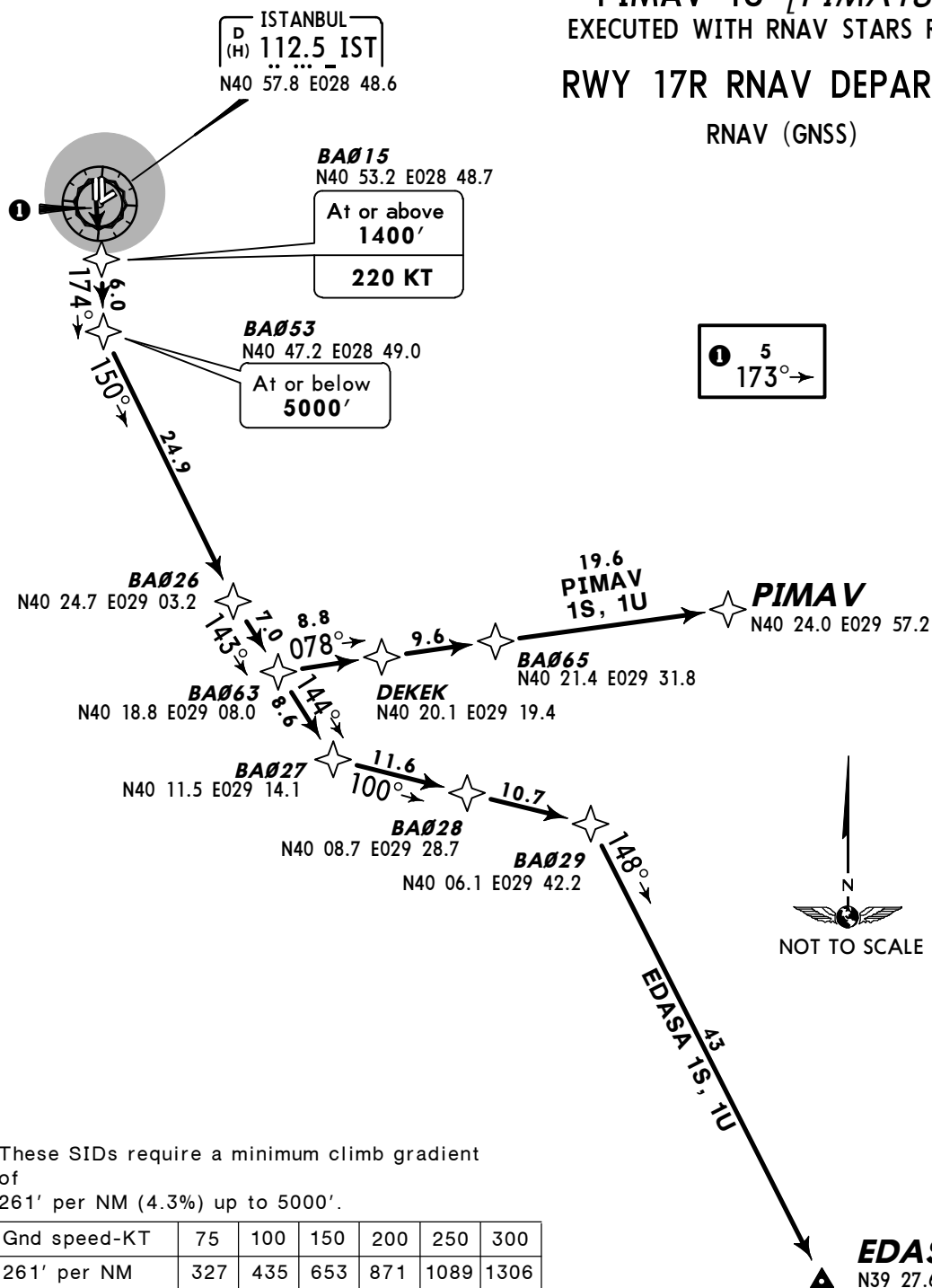
Trans level: By ATC Trans alt: 10000'
1. Contact YESILKOY Radar immediately after take-off with call sign only, check ATIS for current frequency.
2. RADAR required.
3. P-RNAV approval required otherwise advise ATC.



EDASA 1S [EDAS1S]
PIMAV 1S [PIMA1S]
RWY 17R RNAV DEPARTURES
EXECUTED WITH RNAV STARS RWYS 17L/R

EDASA 1U [EDAS1U]
PIMAV 1U [PIMA1U]
EXECUTED WITH RNAV STARS RWY 23

RWY 17R RNAV DEPARTURES
RNAV (GNSS)



These SIDs require a minimum climb gradient of 261' per NM (4.3%) up to 5000'.

Gnd speed-KT	75	100	150	200	250	300
261' per NM	327	435	653	871	1089	1306

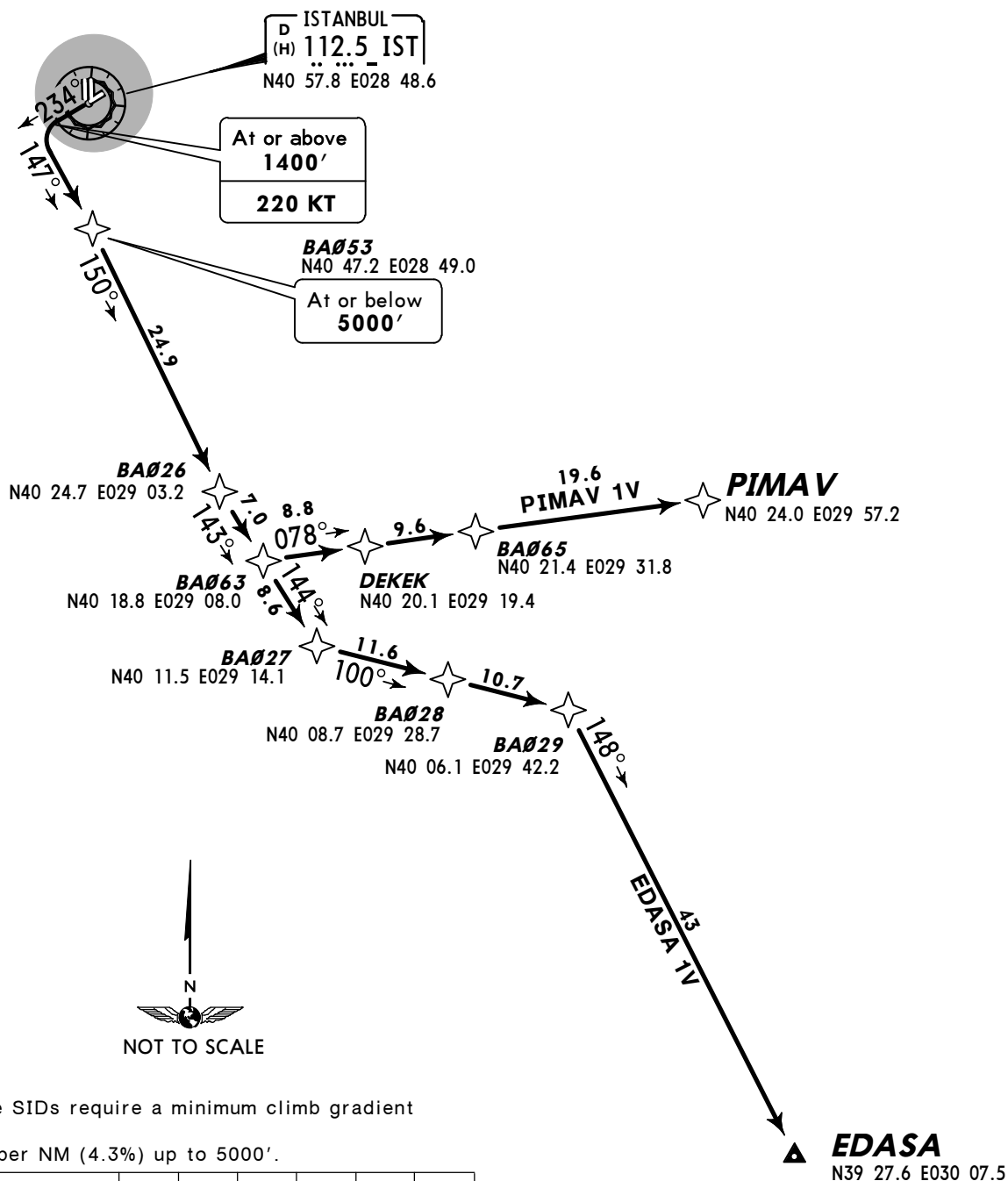
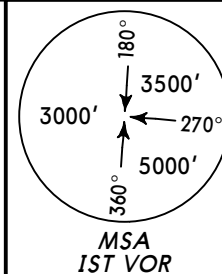
Initial climb clearance 5000'

SID	ROUTING
EDASA 1S, 1U	BA015 (1400'+; K220) - BA053 (5000'-) - BA026 - BA027 - BA028 - BA029 - EDASA.
PIMAV 1S, 1U	BA015 (1400'+; K220) - BA053 (5000'-) - BA026 - BA063 - DEKEK - BA065 - PIMAV.

YESILKOY Radar
126.42
Apt Elev
163'

Trans level: By ATC Trans alt: 10000'
1. Contact YESILKOY Radar immediately after take-off with call sign only, check ATIS for current frequency.
2. RADAR required.
3. P-RNAV approval required otherwise advise ATC.
4. No turns prior to DER.

EDASA 1V [EDAS1V]
PIMAV 1V [PIMA1V]
RWY 23 RNAV DEPARTURES
RNAV (GNSS)



These SIDs require a minimum climb gradient of 261' per NM (4.3%) up to 5000'.

Gnd speed-KT	75	100	150	200	250	300
261' per NM	327	435	653	871	1089	1306

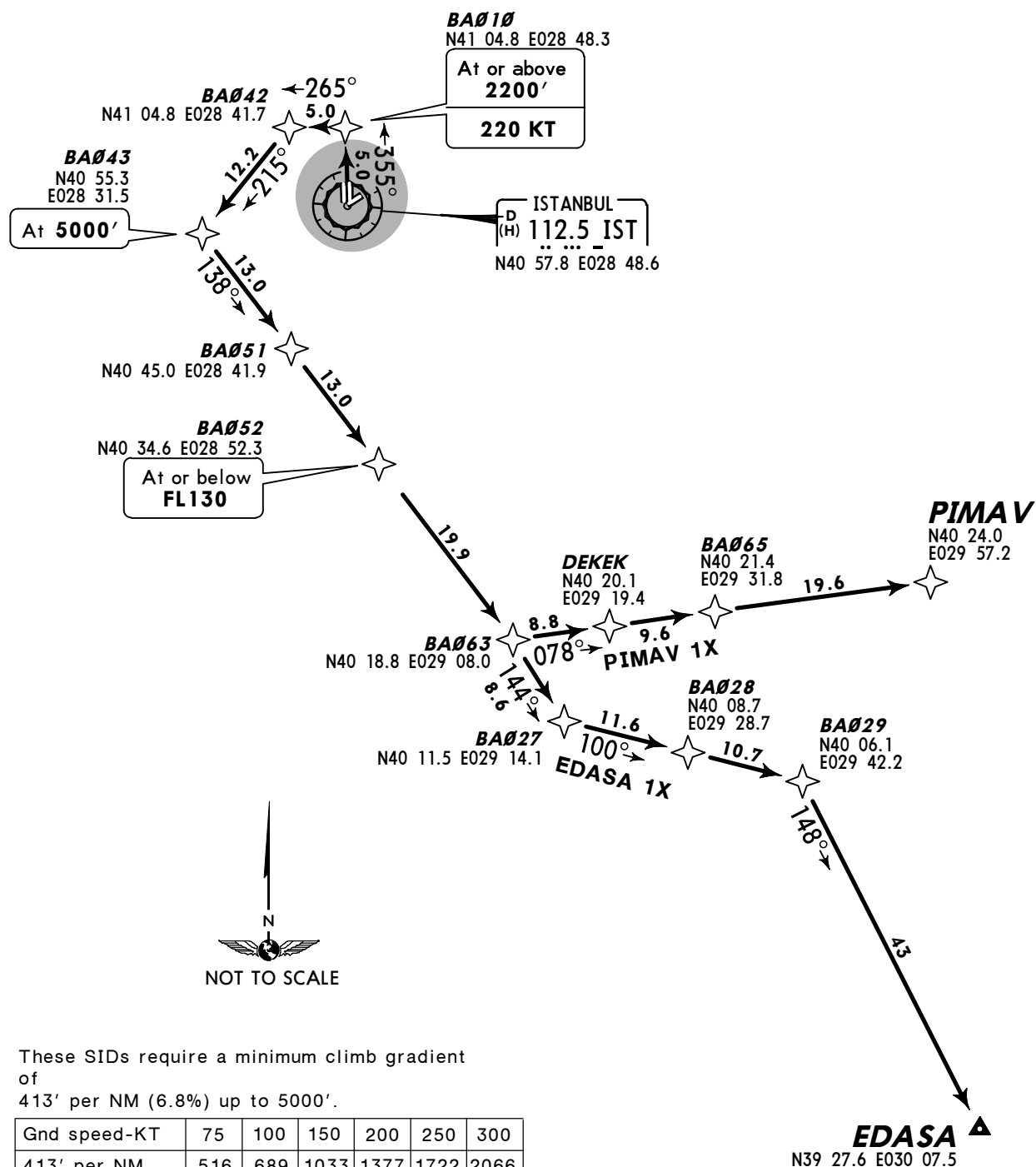
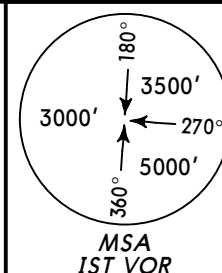
Initial climb clearance 5000'

SID	ROUTING
EDASA 1V	(1400'+; K220) - BA053 (5000'-) - BA026 - BA027 - BA028 - BA029 - EDASA.
PIMAV 1V	(1400'+; K220) - BA053 (5000'-) - BA026 - BA063 - DEKEK - BA065 - PIMAV.

YESILKOY Radar
126.42
Apt Elev
163'

Trans level: By ATC Trans alt: 10000'
1. Contact YESILKOY Radar immediately after take-off with call sign only, check ATIS for current frequency.
2. RADAR required.
3. P-RNAV approval required otherwise advise ATC.

**EDASA 1X [EDAS1X]
PIMAV 1X [PIMA1X]
RWY 35L RNAV DEPARTURES**
RNAV (GNSS)
EXECUTED WITH RNAV STARS RWY 23



These SIDs require a minimum climb gradient of 413' per NM (6.8%) up to 5000'.

Gnd speed-KT	75	100	150	200	250	300
413' per NM	516	689	1033	1377	1722	2066

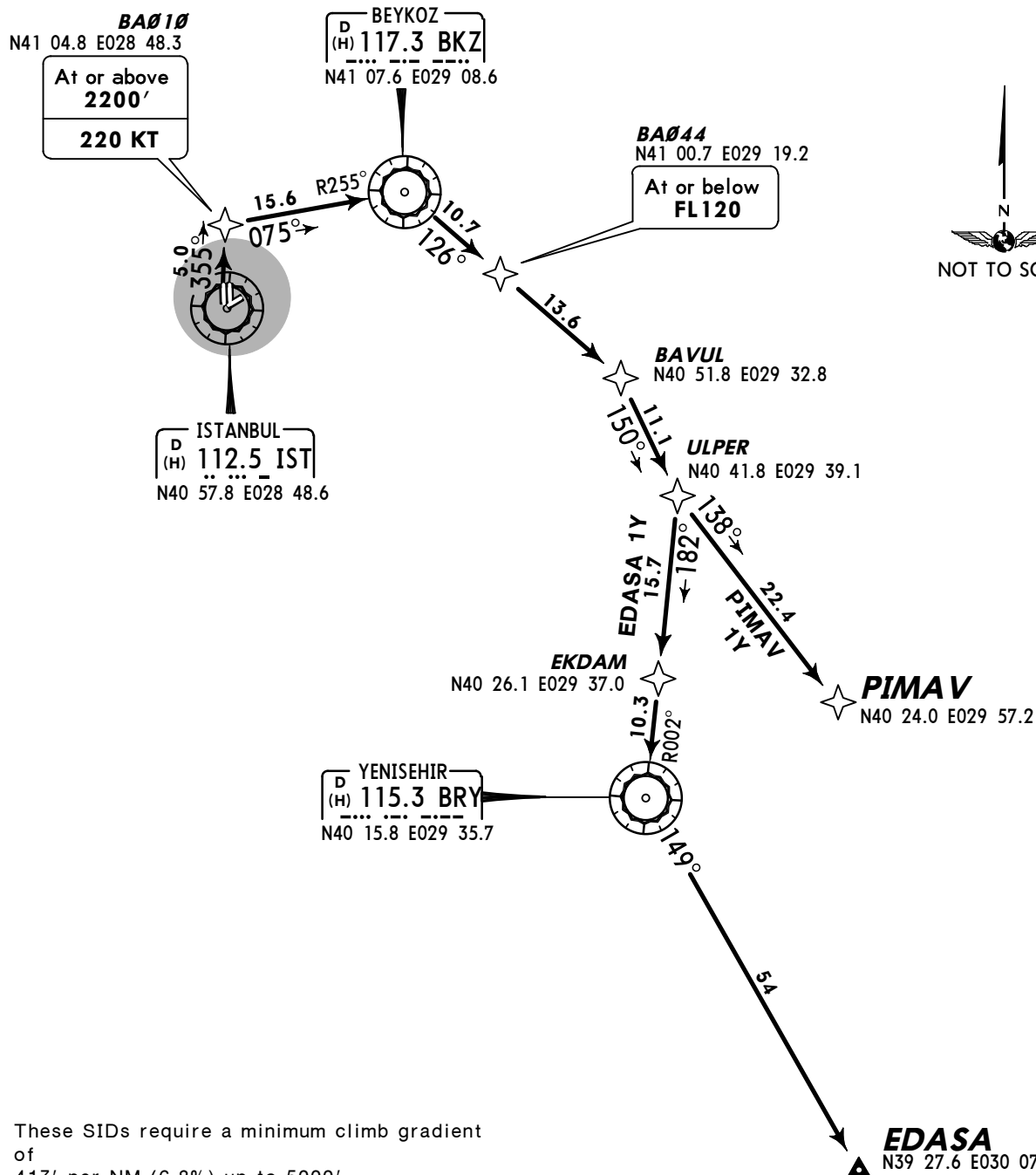
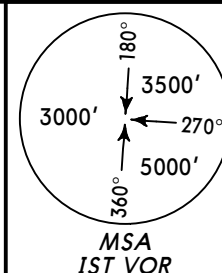
Initial climb clearance 5000'

SID	ROUTING
EDASA 1X	BA010 (2200'+; K220) - BA042 - BA043 (5000') - BA051 - BA052 (FL130-) - BA063 - BA027 - BA028 - BA029 - EDASA.
PIMAV 1X	BA010 (2200'+; K220) - BA042 - BA043 (5000') - BA051 - BA052 (FL130-) - BA063 - DEKEK - BA065 - PIMAV.

YESILKOY Radar
126.42Apt Elev
163'

Trans level: By ATC Trans alt: 10000'
1. Contact YESILKOY Radar immediately after take-off with call sign only, check ATIS for current frequency.
2. RADAR required.
3. P-RNAV approval required otherwise advise ATC.

**EDASA 1Y [EDAS1Y]
PIMAV 1Y [PIMA1Y]
RWY 35L RNAV DEPARTURES**
RNAV (GNSS)



These SIDs require a minimum climb gradient of 413' per NM (6.8%) up to 5000'.

Gnd speed-KT	75	100	150	200	250	300
413' per NM	516	689	1033	1377	1722	2066

Initial climb clearance **5000'**

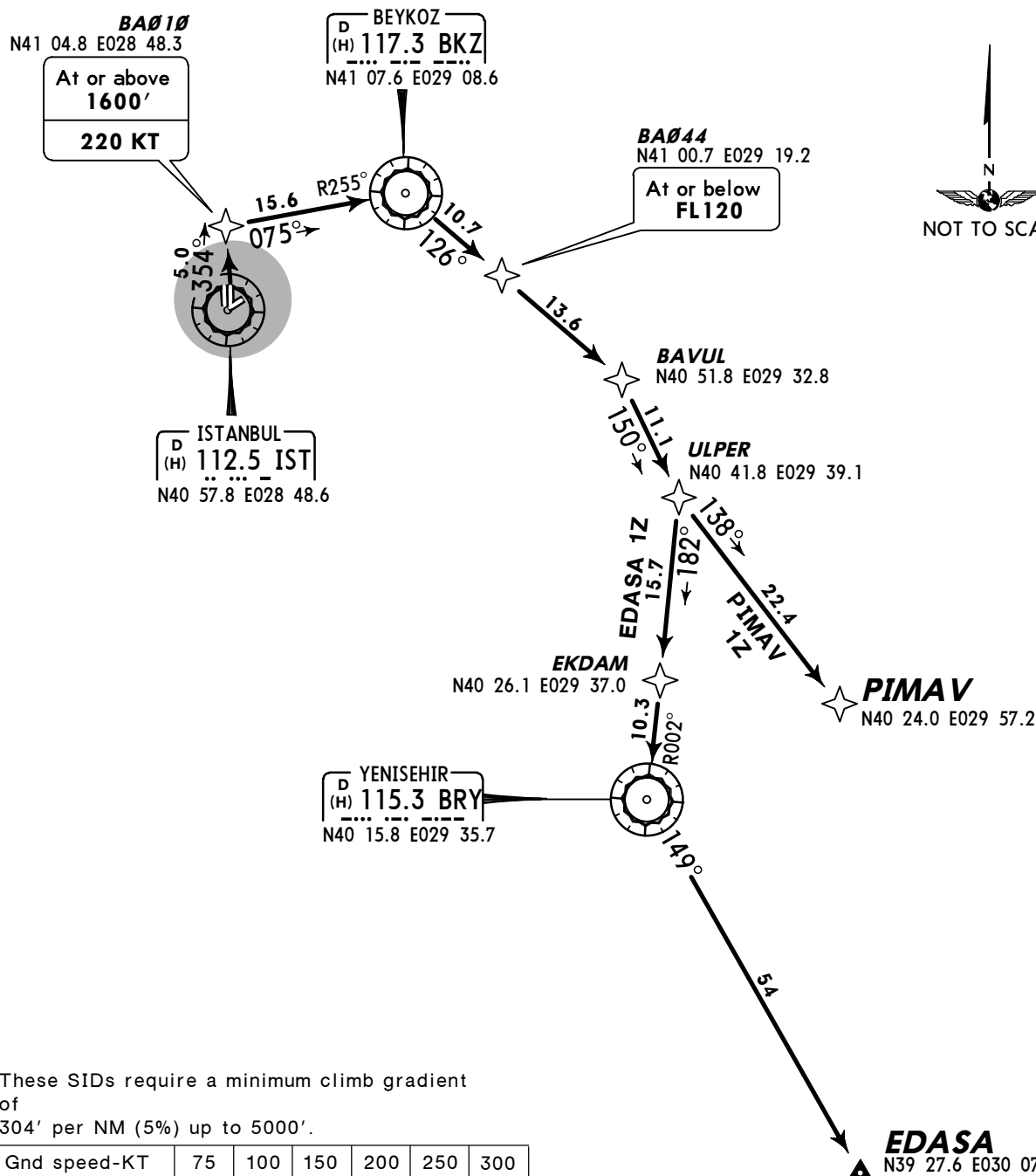
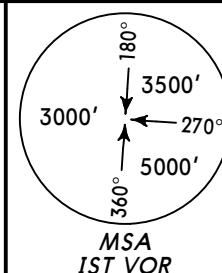
SID	ROUTING
EDASA 1Y	BA010 (2200'+; K220) - BKZ - BA044 (FL120-) - BAVUL - ULPER - EKDAM - BRY - EDASA.
PIMAV 1Y	BA010 (2200'+; K220) - BKZ - BA044 (FL120-) - BAVUL - ULPER - PIMAV.

YESILKOY Radar
126.42

Apt Elev
163'

Trans level: By ATC Trans alt: 10000'
1. Contact YESILKOY Radar immediately after take-off with call sign only, check ATIS for current frequency.
2. RADAR required.
3. P-RNAV approval required otherwise advise ATC.

**EDASA 1Z [EDAS1Z]
PIMAV 1Z [PIMA1Z]
RWY 35R RNAV DEPARTURES**
RNAV (GNSS)



These SIDs require a minimum climb gradient of 304' per NM (5%) up to 5000'.

Gnd speed-KT	75	100	150	200	250	300
304' per NM	380	506	760	1013	1266	1519

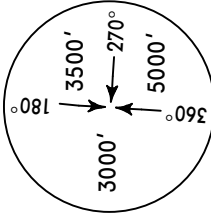
Initial climb clearance 9000'

SID	ROUTING
EDASA 1Z	BA010 (1600'+; K220) - BKZ - BA044 (FL120-) - BAVUL - ULPER - EKDAM - BRY - EDASA.
PIMAV 1Z	BA010 (1600'+; K220) - BKZ - BA044 (FL120-) - BAVUL - ULPER - PIMAV.

YESILKOY Radar
126.42

Apt Elev
163'

Trans level: By ATC Trans alt: 10000'
1. Contact YESILKOY Radar immediately after take-off with call sign only, check ATIS for current frequency.
2. RADAR required.
3. P-RNAV approval required otherwise advise ATC.



MSA
IST VOR

BA010
N41 04.8 E028 48.3

At or above
2200'
220 KT

BA042
N41 04.8 E028 41.7

BA043
N40 55.3 E028 31.5

At 5000'

OKBAL
N40 50.0 E027 56.5

GELBU
N40 56.1 E027 08.4

BEDEL
N40 50.0 E027 30.1

MARMA
N40 31.6 E027 38.9

GOLDO
N40 52.9 E026 15.0

ISTANBUL
D 112.5 IST
N40 57.8 E028 48.6

354°
5.0

265°
5.0

215°
12.2

254°
27.1

212°
22.7

266°
20.0

286°
17.5

261°
41

270°
5000'

270°
5000'

270°
5000'

270°
5000'

270°
5000'

270°
5000'

GOLDO 1E [GOLD1E]
MARMA 1E [MARM1E]
RWY 35R RNAV DEPARTURES
RNAV (GNSS)
EXECUTED WITH RNAV STARS RWY 23

These SIDs require a minimum climb gradient of 304' per NM (5%) up to 5000'.

Gnd speed-KT	75	100	150	200	250	300
304' per NM	380	506	760	1013	1266	1519

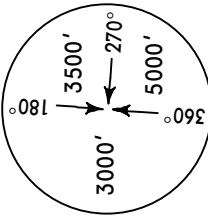
Initial climb clearance 5000'

ROUTING	
SID	
GOLDO 1E	BA010 (2200'+; K220) - BA042 - BA043 (5000') - OKBAL - BEDEL - GELBU - GOLDO.
MARMA 1E	BA010 (2200'+; K220) - BA042 - BA043 (5000') - OKBAL - MARMA.

YESILKOY Radar
126.42

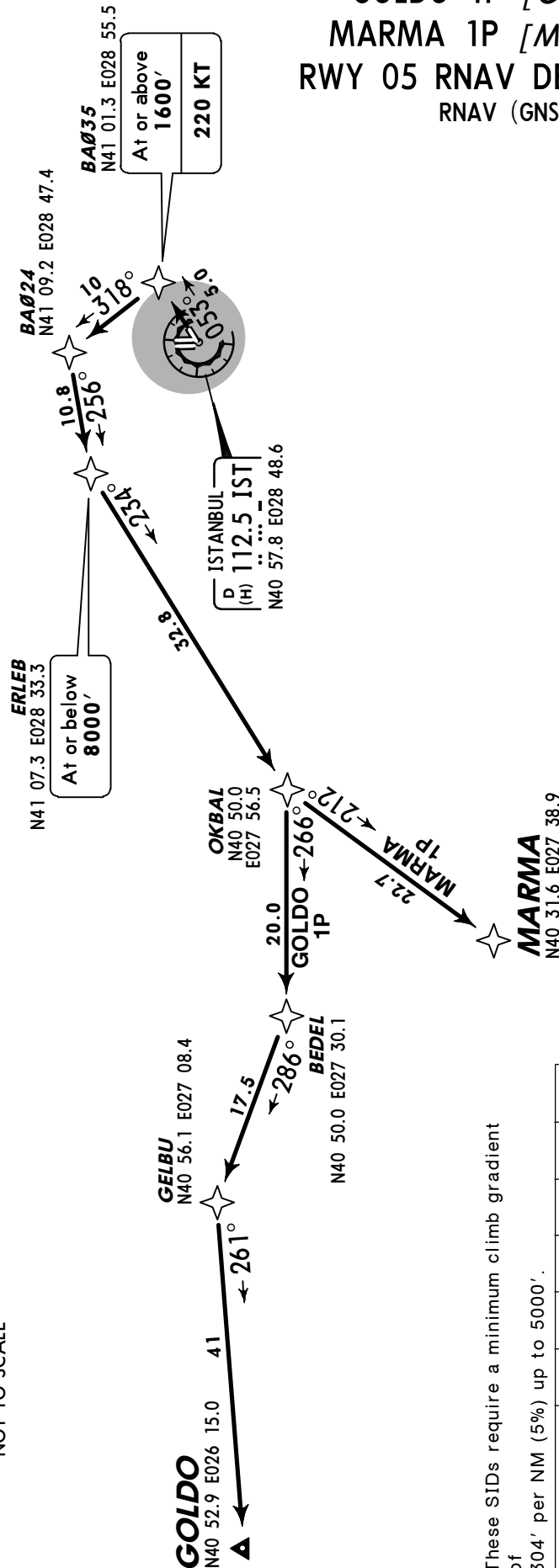
Apt Elev
163'

- Trans level: By ATC Trans alt: 10000'
1. Contact YESILKOY Radar immediately after take-off with call sign only, check ATIS for current frequency.
 2. RADAR required.
 3. P-RNAV approval required otherwise advise ATC.



MSA
IST VOR

**GOLDO 1P [GOLD1P]
MARMA 1P [MARM1P]
RWY 05 RNAV DEPARTURES**
RNAV (GNSS)



These SIDs require a minimum climb gradient of 304' per NM (5%) up to 5000'.

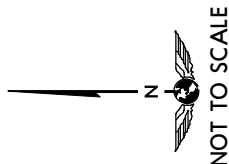
Gnd speed-KT	75	100	150	200	250	300
304' per NM	380	506	760	1013	1266	1519

Initial climb clearance 5000'

ROUTING

SID

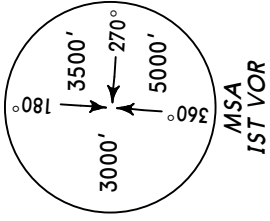
SID	ROUTING
GOLDO 1P	BA035 (1600'+; K220) - BA024 - ERLEB (8000'-) - OKBAL - BEDEL - GELBU - GOLDO.
MARMA 1P	BA035 (1600'+; K220) - BA024 - ERLEB (8000'-) - OKBAL - MARMA.



YESILKOY Radar
126.42

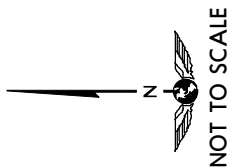
Apt Elev
163'

Trans level: By ATC Trans alt: 10000'
1. Contact YESILKOY Radar immediately after take-off with call sign only, check ATIS for current frequency.
2. RADAR required.
3. P-RNAV approval required otherwise advise ATC.

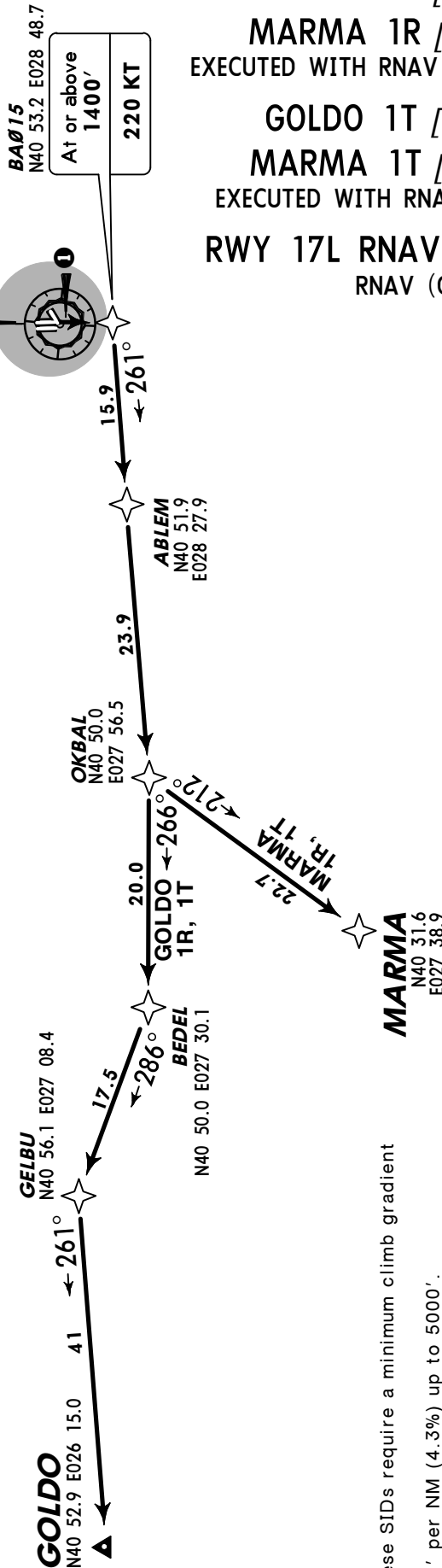


ISTANBUL
D 112.5 IST
(H) N40 57.8 E028 48.6

5
174°



NOT TO SCALE



GOLDO 1R [GOLD1R]
MARMA 1R [MARM1R]
EXECUTED WITH RNAV STARS RWYS 17L/R
GOLDO 1T [GOLD1T]
MARMA 1T [MARM1T]
EXECUTED WITH RNAV STARS RWY 23
RWY 17L RNAV DEPARTURES
RNAV (GNSS)

These SIDs require a minimum climb gradient of 261' per NM (4.3%) up to 5000'.

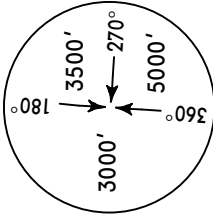
Gnd speed-KT	75	100	150	200	250	300
261' per NM	327	435	653	871	1089	1306

Initial climb clearance 5000'	
SID	ROUTING
GOLDO 1R, 1T	BA015 (1400'+; K220) - ABLEM - OKBAL - BEDEL - GELBU - GOLDO.
MARMA 1R, 1T	BA015 (1400'+; K220) - ABLEM - OKBAL - MARMA.

YESILKOY Radar
126.42

Apt Elev
163'

Trans level: By ATC Trans alt: 10000'
1. Contact YESILKOY Radar immediately after take-off with call sign only, check ATIS for current frequency.
2. RADAR required.
3. P-RNAV approval required otherwise advise ATC.



ISTANBUL
D 112.5 IST
(H) N40 57.8 E028 48.6

5
173°

BA015
N40 53.2 E028 48.7
At or above
1400'
220 KT

ABLEM
N40 51.9
E028 27.9

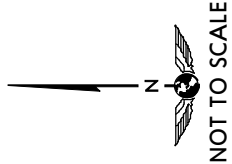
OKBAL
N40 50.0 E027 56.5

GELBU
N40 56.1 E027 08.4

BEDEL
N40 50.0 E027 30.1

MARMA
N40 31.6 E027 38.9

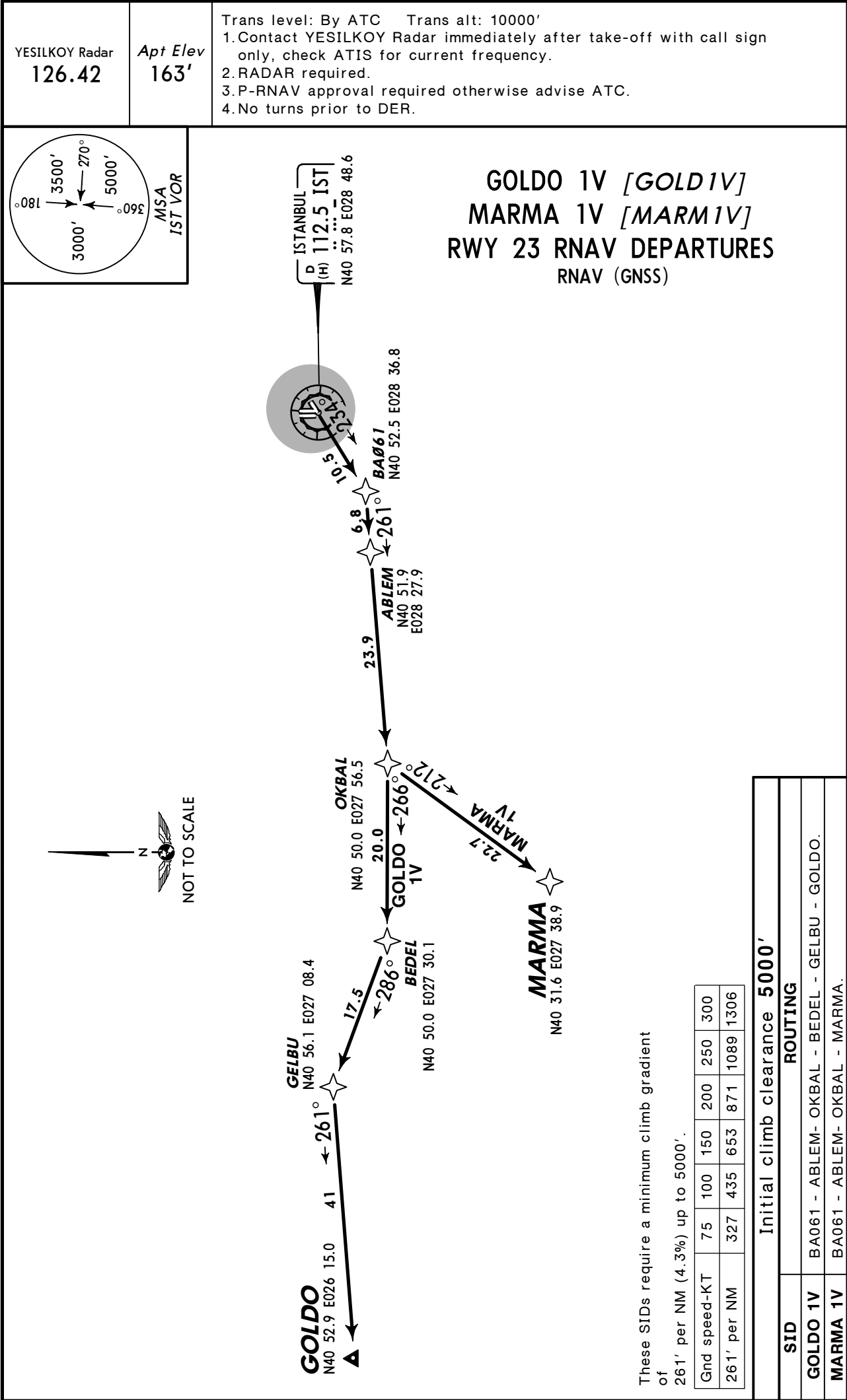
**GOLDO 1S [GOLD1S]
MARMA 1S [MARM1S]**
EXECUTED WITH RNAV STARS RWYS 17L/R
**GOLDO 1U [GOLD1U]
MARMA 1U [MARM1U]**
EXECUTED WITH RNAV STARS RWY 23
RWY 17R RNAV DEPARTURES
RNAV (GNSS)



These SIDs require a minimum climb gradient of 261' per NM (4.3%) up to 5000'.

Gnd speed-KT	75	100	150	200	250	300
261' per NM	327	435	653	871	1089	1306

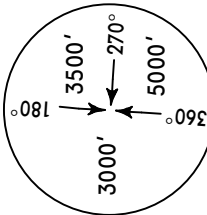
Initial climb clearance 5000'	
SID	ROUTING
GOLDO 1S, 1U	BA015 (1400'+; K220) - ABLEM - OKBAL - BEDEL - GELBU - GOLDO.
MARMA 1S, 1U	BA015 (1400'+; K220) - ABLEM - OKBAL - MARMA.



YESILKOY Radar
126.42

Apt Elev
163'

Trans level: By ATC Trans alt: 10000'
1. Contact YESILKOY Radar immediately after take-off with call sign only, check ATIS for current frequency.
2. RADAR required.
3. P-RNAV approval required otherwise advise ATC.



MSA
IST VOR

**GOLDO 1X [GOLD1X]
MARMA 1X [MARM1X]
RWY 35L RNAV DEPARTURES**
RNAV (GNSS)
EXECUTED WITH RNAV STARS RWY 23

BA010
N41 04.8 E028 48.3

At or above
2200'
220 KT

BA042
N41 04.8 E028 41.7

BA043
N40 55.3 E028 31.5

ISTANBUL
D 112.5 IST
N40 57.8 E028 48.6

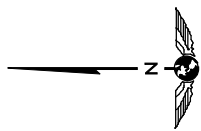
OKBAL
N40 50.0 E027 56.5

GOLDO 1X
N40 52.9 E026 15.0

BEDEL
N40 50.0 E027 30.1

MARMA
N40 31.6 E027 38.9

GELBU
N40 56.1 E027 08.4



NOT TO SCALE

41

GOLDO
N40 52.9 E026 15.0

261°

17.5

27.1

254°

215°

20.0

286°

212°

22.7

212°

212°

These SIDs require a minimum climb gradient of 413' per NM (6.8%) up to 5000'.

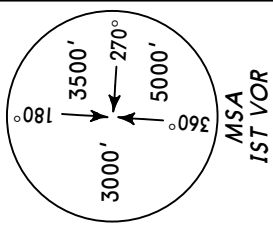
Gnd speed-KT	75	100	150	200	250	300
413' per NM	516	689	1033	1377	1722	2066

Initial climb clearance 5000'

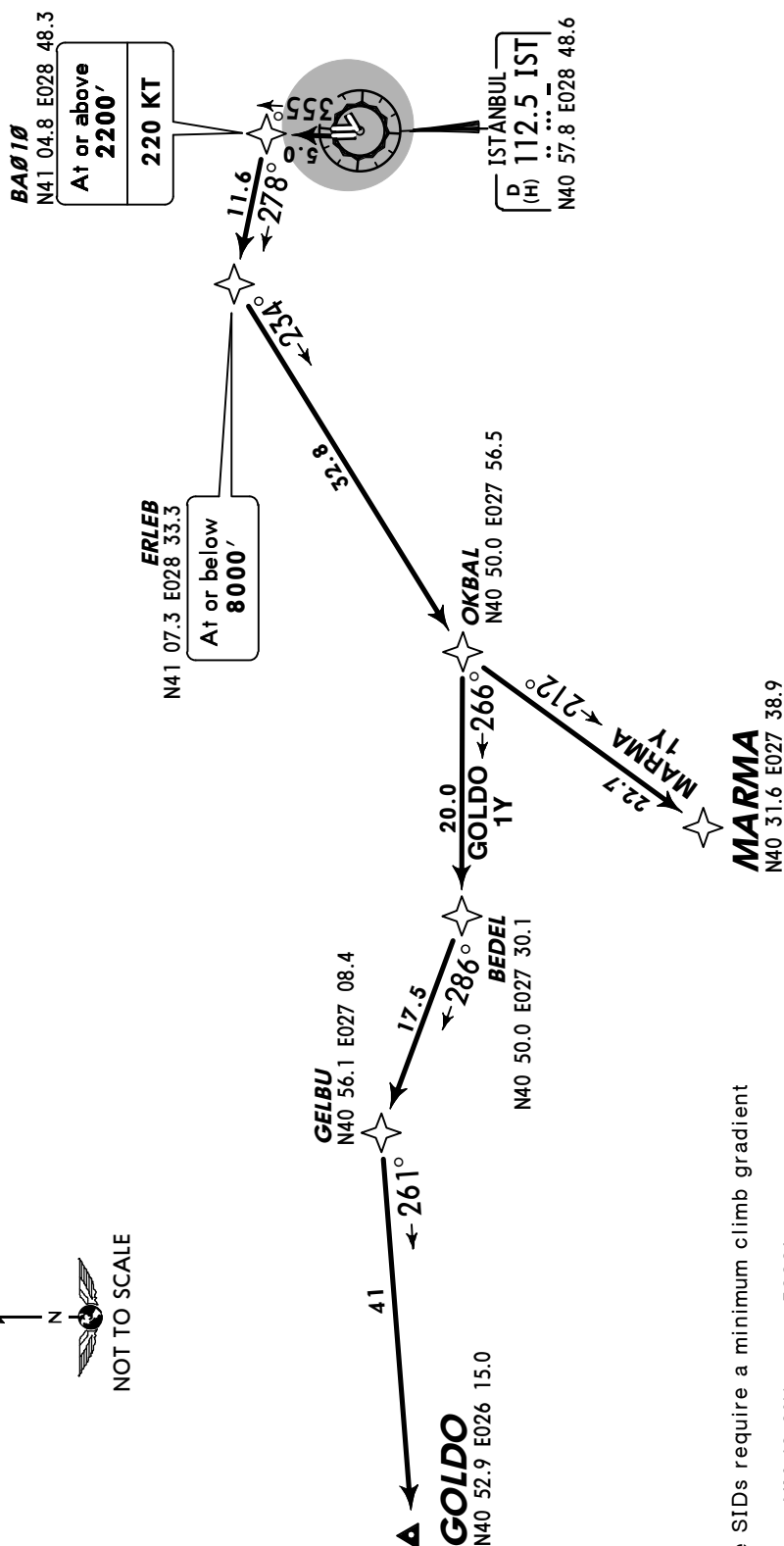
ROUTING	
SID	
GOLDO 1X	BA010 (2200'+; K220) - BA042 - BA043 (5000') - OKBAL - BEDEL - GELBU - GOLDO.
MARMA 1X	BA010 (2200'+; K220) - BA042 - BA043 (5000') - OKBAL - MARMA.

Trans level: By ATC Trans alt: 10000'

1. Contact YESILKOY Radar immediately after take-off with call sign only, check ATIS for current frequency.
2. RADAR required.
3. P-RNAV approval required otherwise advise ATC.



RNAV (GNSS)



These SIDs require a minimum climb gradient of 413' per NM (6.8%) up to 5000'.

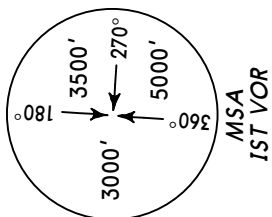
Gnd speed-KT	75	100	150	200	250	300
413' per NM	516	689	1033	1377	1722	2066

Initial climb clearance 5000'	
SID	ROUTING
GOLDO 1Y	BA010 (2200' +; K220) - ERLEB (8000' -) - OKBAL - BEDEL - GELBU - GOLDO.
MARMA 1Y	BA010 (2200' +; K220) - ERLEB (8000' -) - OKBAL - MARMA.

YESILKOY Radar
126.42

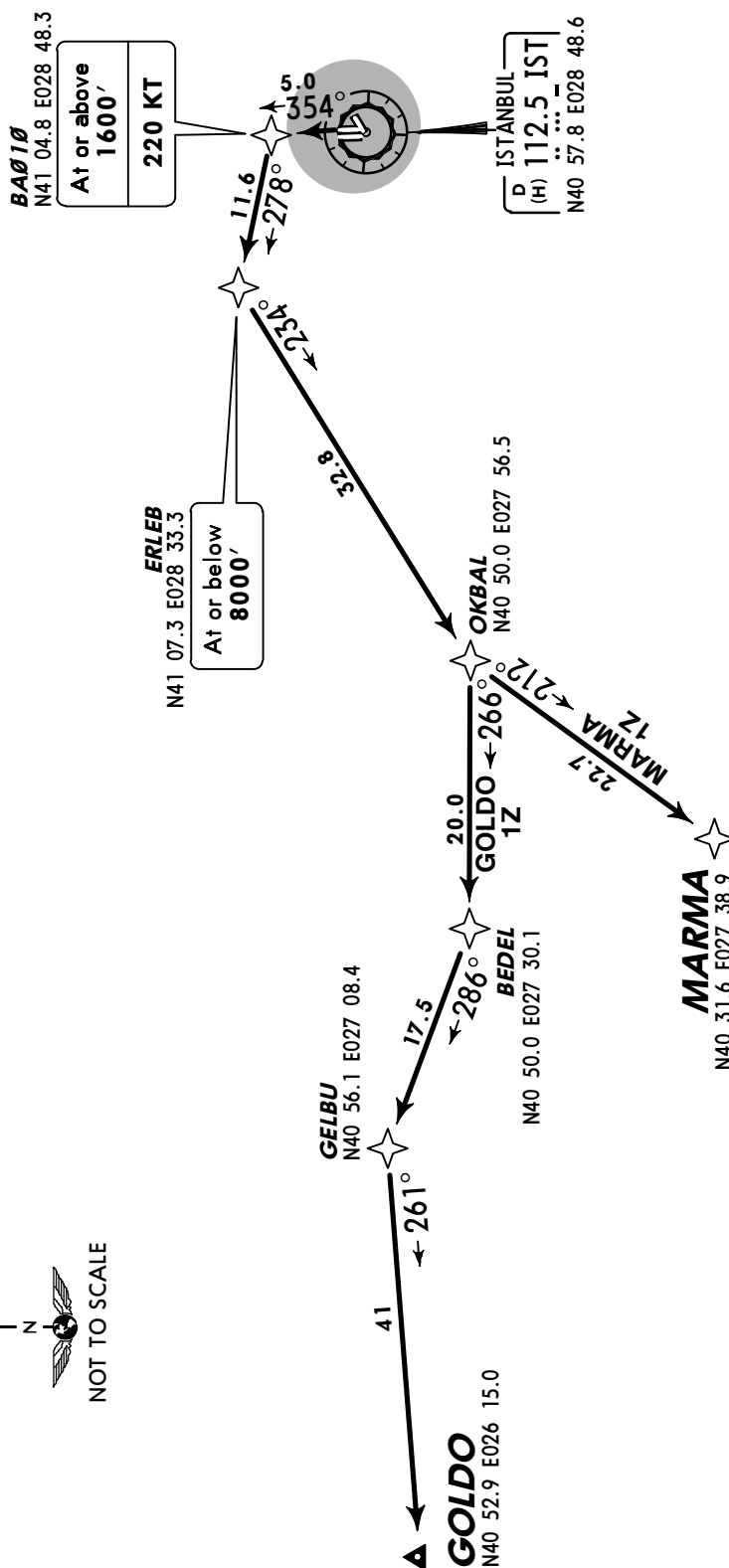
Apt Elev
163'

Trans level: By ATC Trans alt: 10000'
1. Contact YESILKOY Radar immediately after take-off with call sign only, check ATIS for current frequency.
2. RADAR required.
3. P-RNAV approval required otherwise advise ATC.



GOLDO 1Z [GOLD1Z] MARMA 1Z [MARM1Z] RWY 35R RNAV DEPARTURES

RNAV (GNSS)



These SIDs require a minimum climb gradient of 304' per NM (5%) up to 5000'.

Gnd speed-KT	75	100	150	200	250	300
304' per NM	380	506	760	1013	1266	1519

Initial climb clearance 9000'

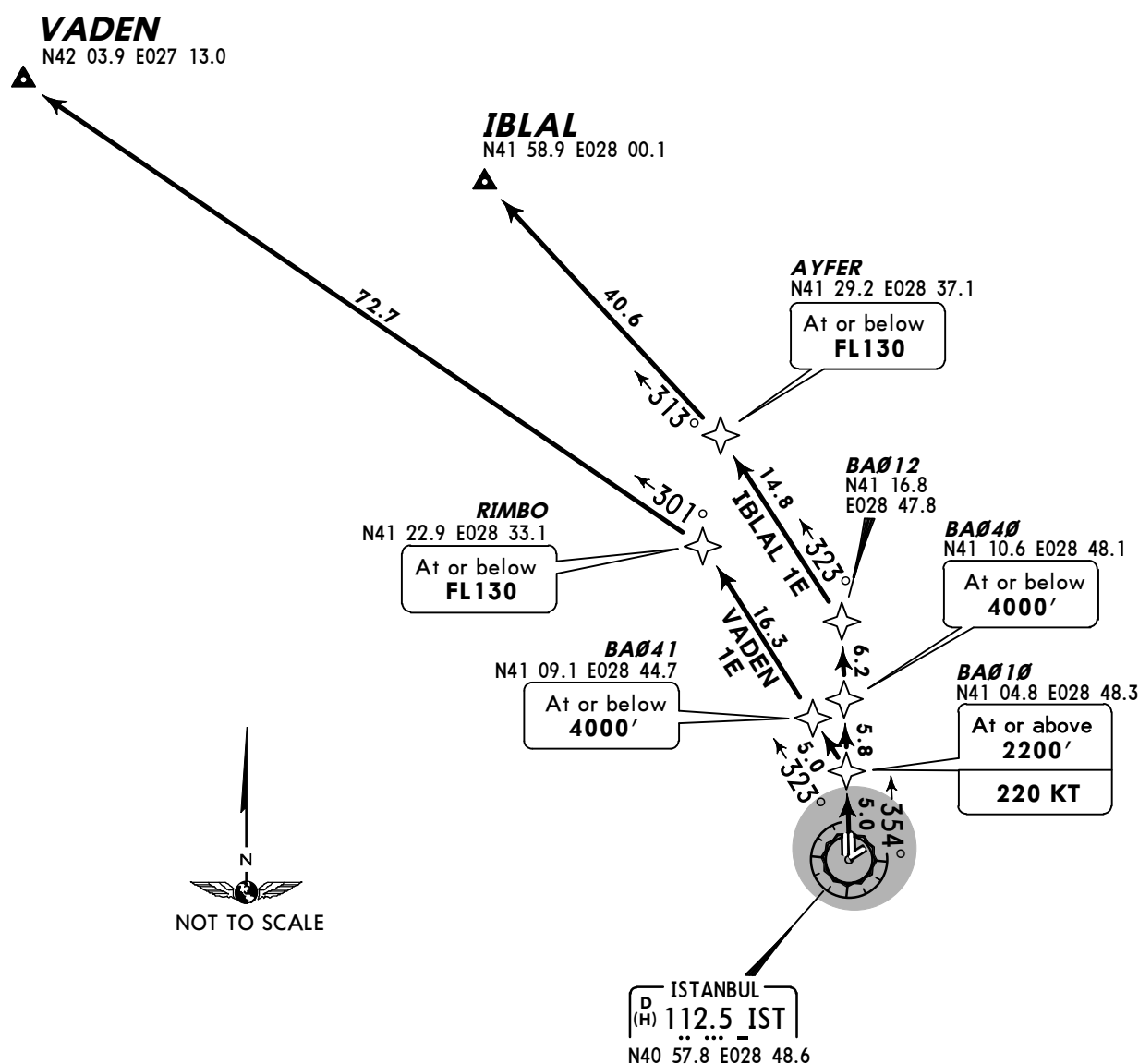
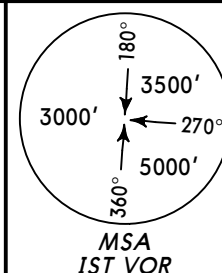
SID	ROUTING
GOLDO 1Z	BA010 (1600'+; K220) - ERLEB (8000'-) - OKBAL - BEDEL - GELBU - GOLDO.
MARMA 1Z	BA010 (1600'+; K220) - ERLEB (8000'-) - OKBAL - MARMA.

YESILKOY Radar
126.42

Apt Elev
163'

Trans level: By ATC Trans alt: 10000'
1. Contact YESILKOY Radar immediately after take-off with call sign only, check ATIS for current frequency.
2. RADAR required.
3. P-RNAV approval required otherwise advise ATC.

**IBLAL 1E [IBLA1E]
VADEN 1E [VADE1E]
RWY 35R RNAV DEPARTURES**
RNAV (GNSS)
EXECUTED WITH RNAV STARS RWY 23



These SIDs require a minimum climb gradient of 304' per NM (5%) up to 5000'.

Gnd speed-KT	75	100	150	200	250	300
304' per NM	380	506	760	1013	1266	1519

Initial climb clearance **5000'**

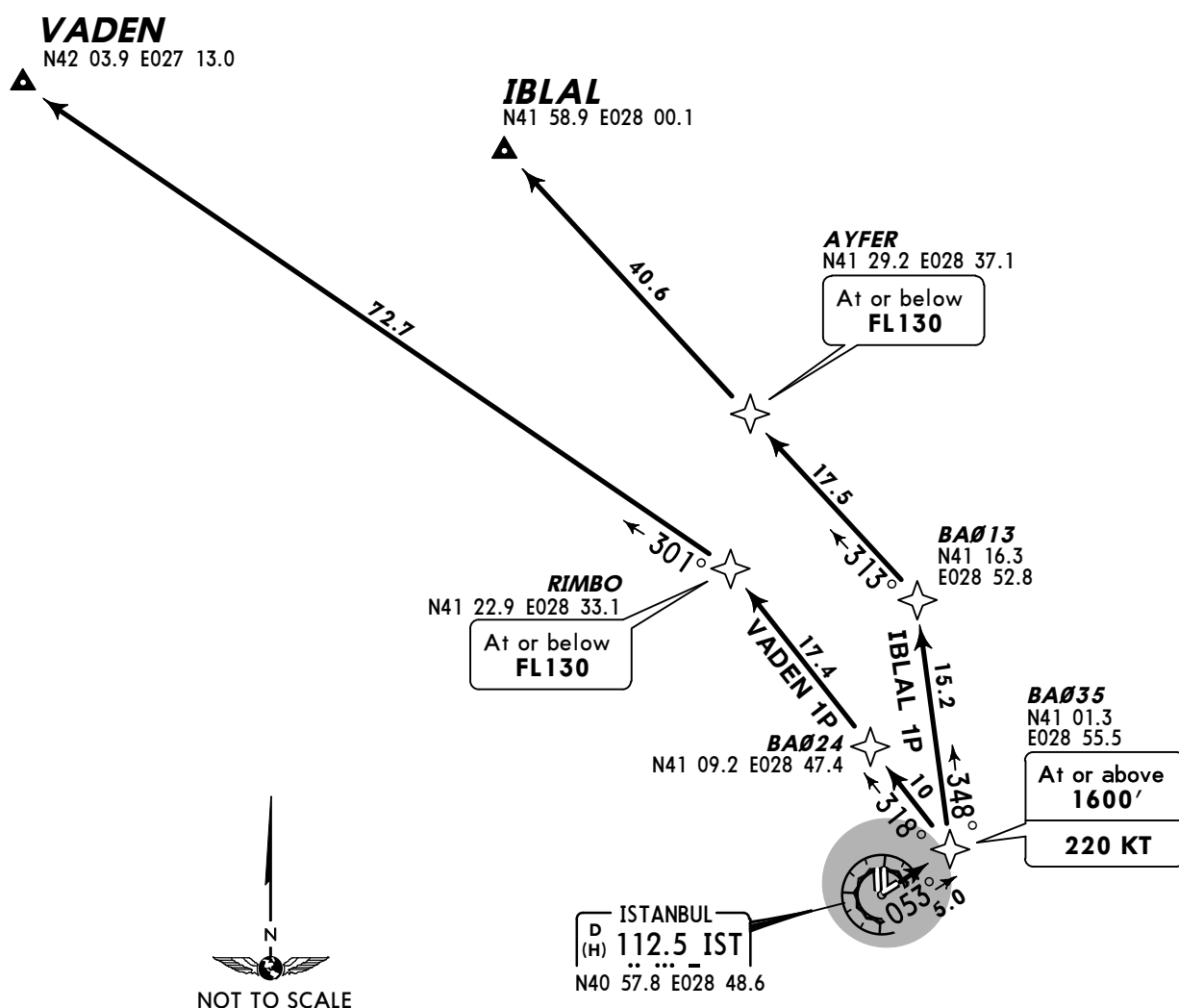
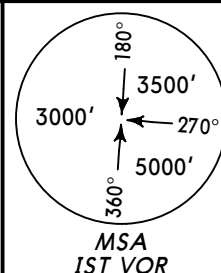
SID	ROUTING
IBLAL 1E	BA010 (2200'+; K220) - BA040 (4000'-) - BA012 - AYFER (FL130-) - IBLAL.
VADEN 1E	BA010 (2200'+; K220) - BA041 (4000'-) - RIMBO (FL130-) - VADEN.

YESILKOY Radar
126.42

Apt Elev
163'

Trans level: By ATC Trans alt: 10000'
1. Contact YESILKOY Radar immediately after take-off with call sign only, check ATIS for current frequency.
2. RADAR required.
3. P-RNAV approval required otherwise advise ATC.

**IBLAL 1P [IBLA1P]
VADEN 1P [VADE1P]
RWY 05 RNAV DEPARTURES**
RNAV (GNSS)



These SIDs require a minimum climb gradient of 304' per NM (5%) up to 5000'.

Gnd speed-KT	75	100	150	200	250	300
304' per NM	380	506	760	1013	1266	1519

Initial climb clearance **5000'**

SID	ROUTING
IBLAL 1P	BA035 (1600'+; K220) - BA013 - AYFER (FL130-) - IBLAL.
VADEN 1P	BA035 (1600'+; K220) - BA024 - RIMBO (FL130-) - VADEN.

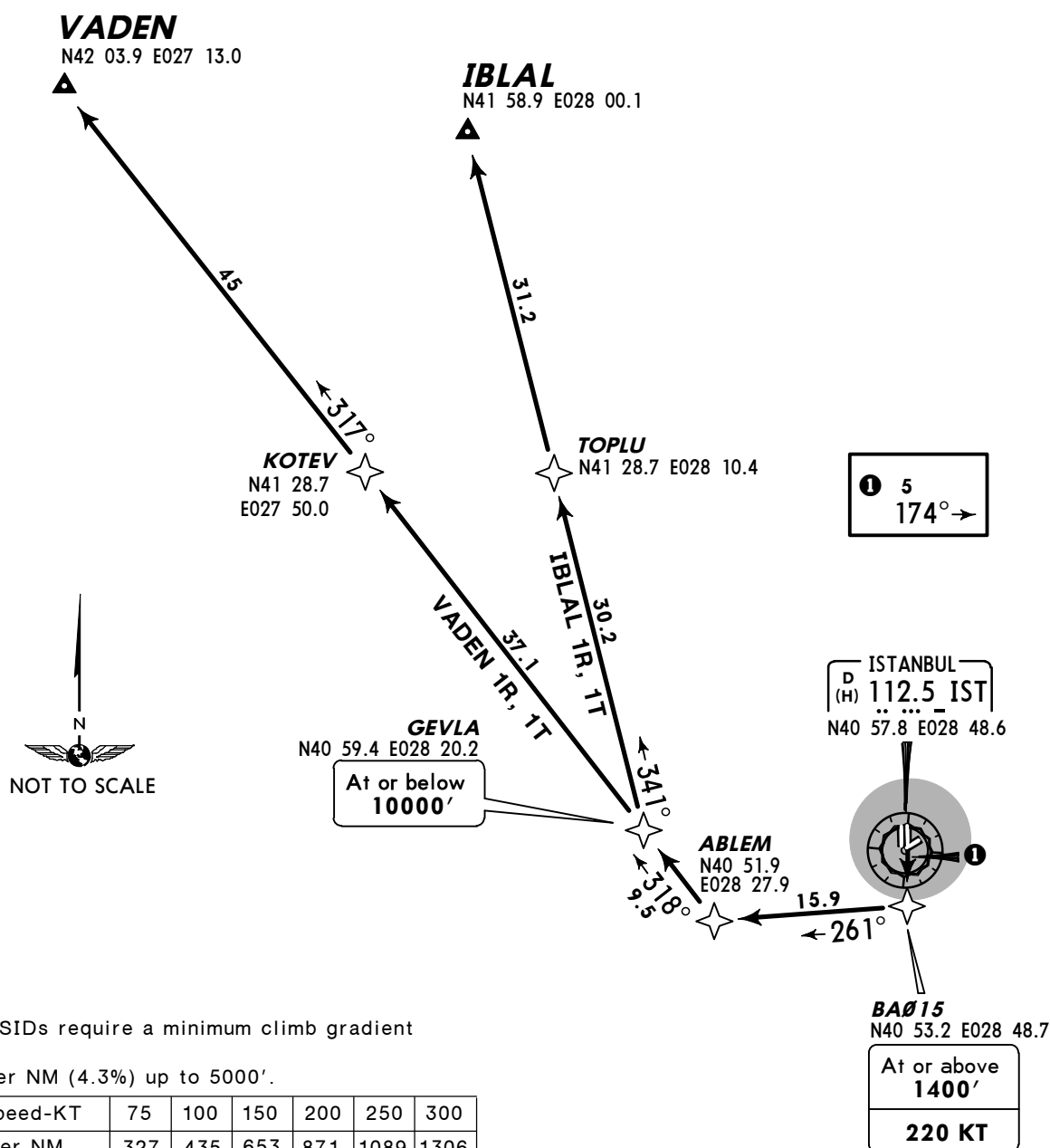
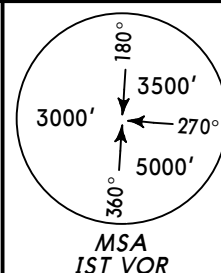
YESILKOY Radar
126.42Apt Elev
163'

Trans level: By ATC Trans alt: 10000'
 1. Contact YESILKOY Radar immediately after take-off with call sign only, check ATIS for current frequency.
 2. RADAR required.
 3. P-RNAV approval required otherwise advise ATC.

IBLAL 1R [IBLA1R]
VADEN 1R [VADE1R]
 EXECUTED WITH RNAV STARS RWYS 17L/R

IBLAL 1T [IBLA1T]
VADEN 1T [VADE1T]
 EXECUTED WITH RNAV STARS RWY 23

RWY 17L RNAV DEPARTURES
 RNAV (GNSS)



These SIDs require a minimum climb gradient of 261' per NM (4.3%) up to 5000'.

Gnd speed-KT	75	100	150	200	250	300
261' per NM	327	435	653	871	1089	1306

Initial climb clearance **5000'**

SID	ROUTING
IBLAL 1R, 1T	BA015 (1400'+; K220) - ABLEM- GEVLA (10000'-) - TOPLU - IBLAL.
VADEN 1R, 1T	BA015 (1400'+; K220) - ABLEM- GEVLA (10000'-) - KOTEV - VADEN.

YESILKOY Radar
126.42

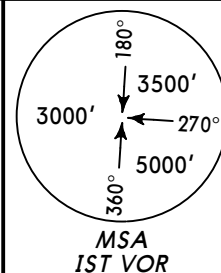
Apt Elev
163'

Trans level: By ATC Trans alt: 10000'
1.Contact YESILKOY Radar immediately after take-off with call sign only, check ATIS for current frequency.
2.RADAR required.
3.P-RNAV approval required otherwise advise ATC.

IBLAL 1S [IBLA1S]
VADEN 1S [VADE1S]
EXECUTED WITH RNAV STARS RWYS 17L/R

IBLAL 1U [IBLA1U]
VADEN 1U [VADE1U]
EXECUTED WITH RNAV STARS RWY 23

RWY 17R RNAV DEPARTURES
RNAV (GNSS)



VADEN

N42 03.9 E027 13.0

IBLAL

N41 58.9 E028 00.1

KOTEV
N41 28.7 E027 50.0

TOPLU
N41 28.7 E028 10.4

GEVLA
N40 59.4 E028 20.2

At or below
10000'

ABLEM
N40 51.9 E028 27.9

ISTANBUL
D 112.5 IST
(H) N40 57.8 E028 48.6

BA015
N40 53.2 E028 48.7

At or above
1400'
220 KT



These SIDs require a minimum climb gradient of 261' per NM (4.3%) up to 5000'.

Gnd speed-KT	75	100	150	200	250	300
261' per NM	327	435	653	871	1089	1306

Initial climb clearance **5000'**

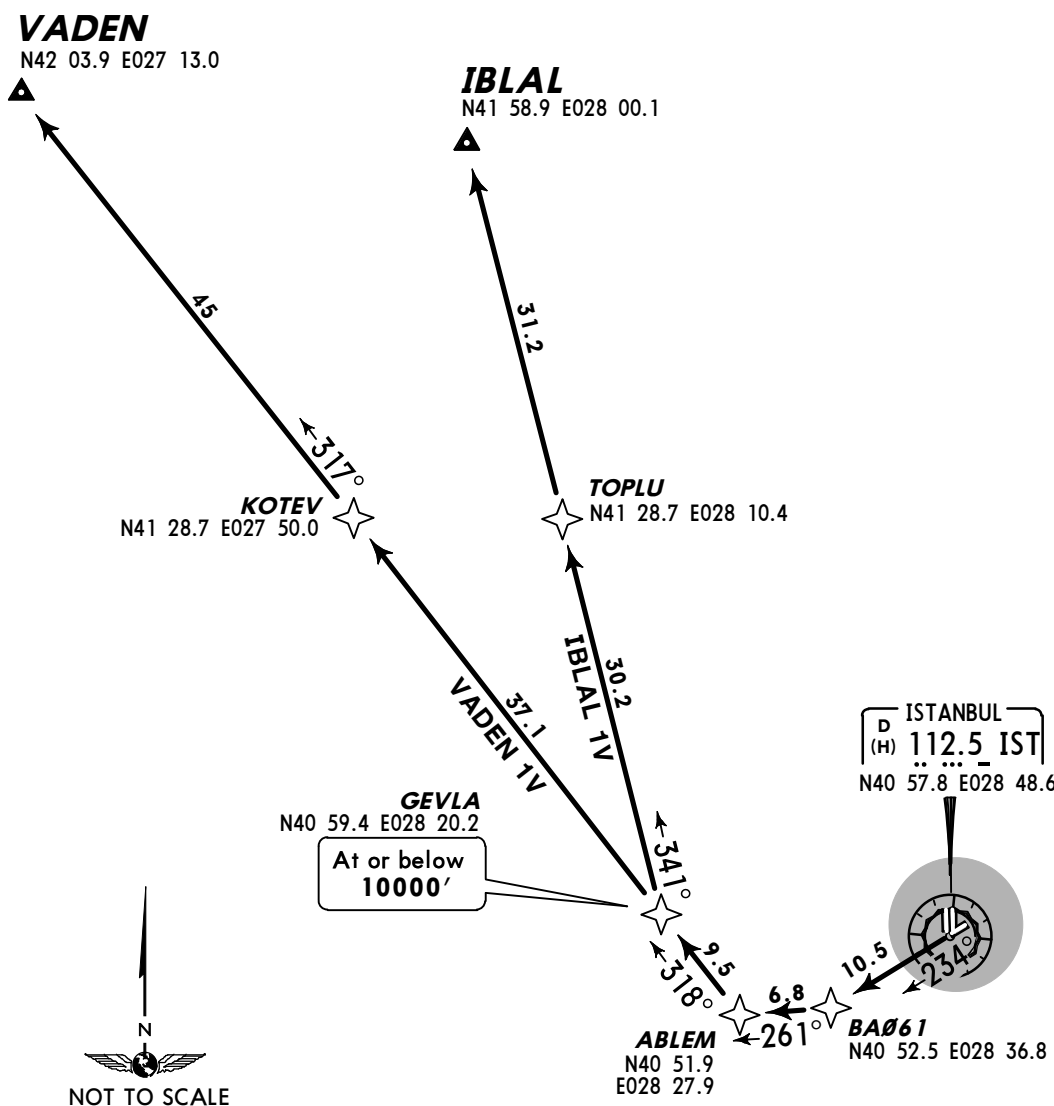
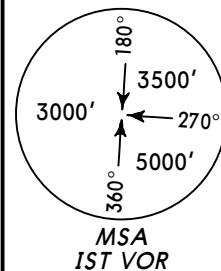
SID	ROUTING
IBLAL 1S, 1U	BA015 (1400'+; K220) - ABLEM- GEVLA (10000'-) - TOPLU - IBLAL.
VADEN 1S, 1U	BA015 (1400'+; K220) - ABLEM- GEVLA (10000'-) - KOTEV - VADEN.

YESILKOY Radar
126.42

Apt Elev
163'

Trans level: By ATC Trans alt: 10000'
1. Contact YESILKOY Radar immediately after take-off with call sign only, check ATIS for current frequency.
2. RADAR required.
3. P-RNAV approval required otherwise advise ATC.
4. No turns prior to DER.

**IBLAL 1V [IBLA1V]
VADEN 1V [VADE1V]
RWY 23 RNAV DEPARTURES
RNAV (GNSS)**



These SIDs require a minimum climb gradient of 261' per NM (4.3%) up to 5000'.

Gnd speed-KT	75	100	150	200	250	300
261' per NM	327	435	653	871	1089	1306

Initial climb clearance **5000'**

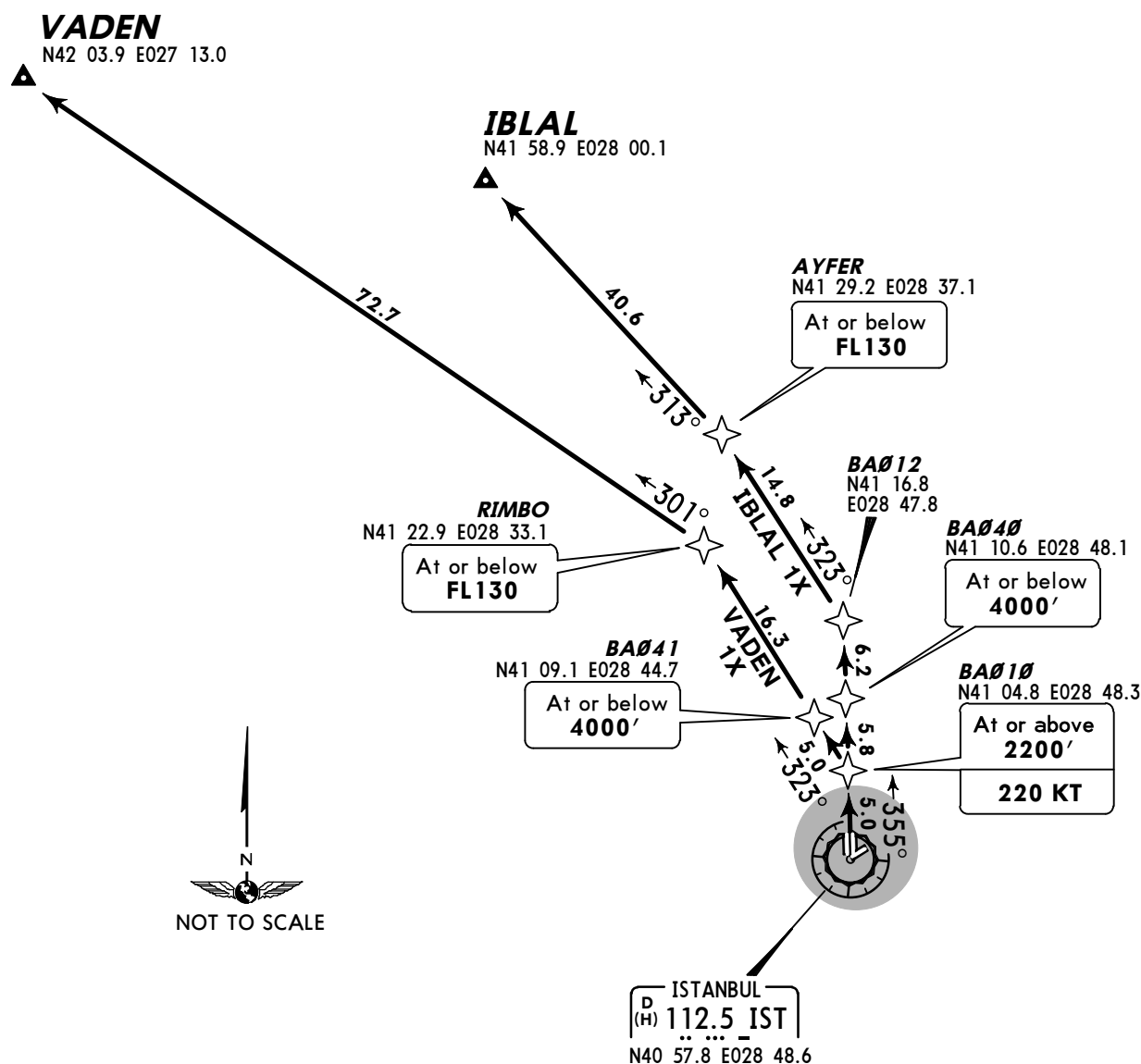
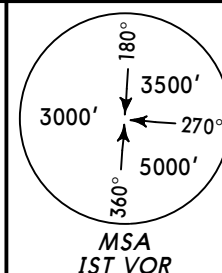
SID	ROUTING
IBLAL 1V	BA061 - ABLE- GEVLA (10000'-) - TOPLU - IBLAL.
VADEN 1V	BA061 - ABLE- GEVLA (10000'-) - KOTEV - VADEN.

YESILKOY Radar
126.42

Apt Elev
163'

Trans level: By ATC Trans alt: 10000'
1. Contact YESILKOY Radar immediately after take-off with call sign only, check ATIS for current frequency.
2. RADAR required.
3. P-RNAV approval required otherwise advise ATC.

**IBLAL 1X [IBLA1X]
VADEN 1X [VADE1X]
RWY 35L RNAV DEPARTURES**
RNAV (GNSS)
EXECUTED WITH RNAV STARS RWY 23



These SIDs require a minimum climb gradient of 413' per NM (6.8%) up to 5000'.

Gnd speed-KT	75	100	150	200	250	300
413' per NM	516	689	1033	1377	1722	2066

Initial climb clearance **5000'**

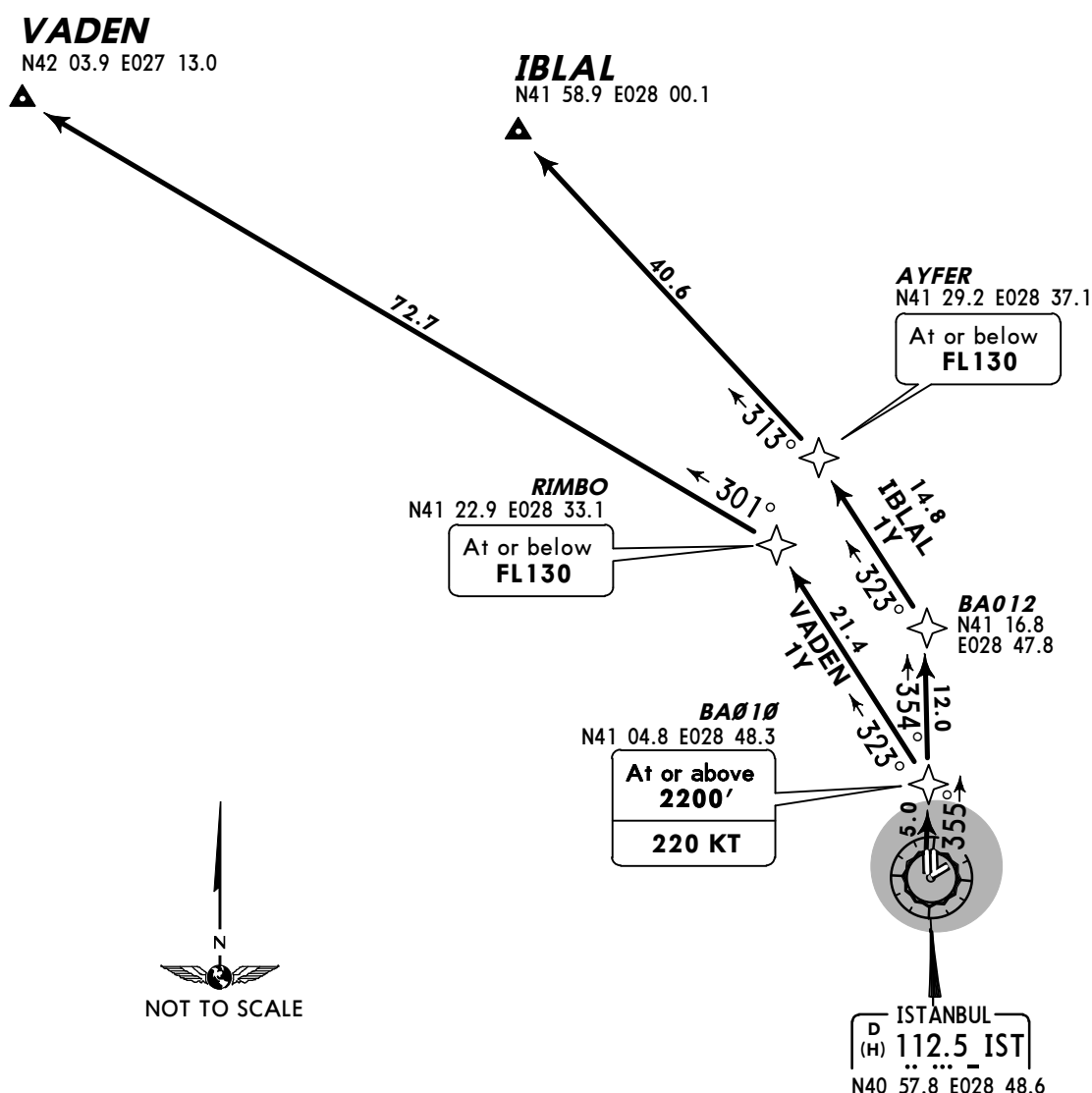
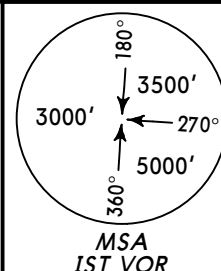
SID	ROUTING
IBLAL 1X	BA010 (2200'+; K220) - BA040 (4000'-) - BA012 - AYFER (FL130-) - IBLAL.
VADEN 1X	BA010 (2200'+; K220) - BA041 (4000'-) - RIMBO (FL130-) - VADEN.

YESILKOY Radar
126.42

Apt Elev
163'

Trans level: By ATC Trans alt: 10000'
1. Contact YESILKOY Radar immediately after take-off with call sign only, check ATIS for current frequency.
2. RADAR required.
3. P-RNAV approval required otherwise advise ATC.

**IBLAL 1Y [IBLA1Y]
VADEN 1Y [VADE1Y]
RWY 35L RNAV DEPARTURES**
RNAV (GNSS)



These SIDs require a minimum climb gradient of 413' per NM (6.8%) up to 5000'.

Gnd speed-KT	75	100	150	200	250	300
413' per NM	516	689	1033	1377	1722	2066

Initial climb clearance **5000'**

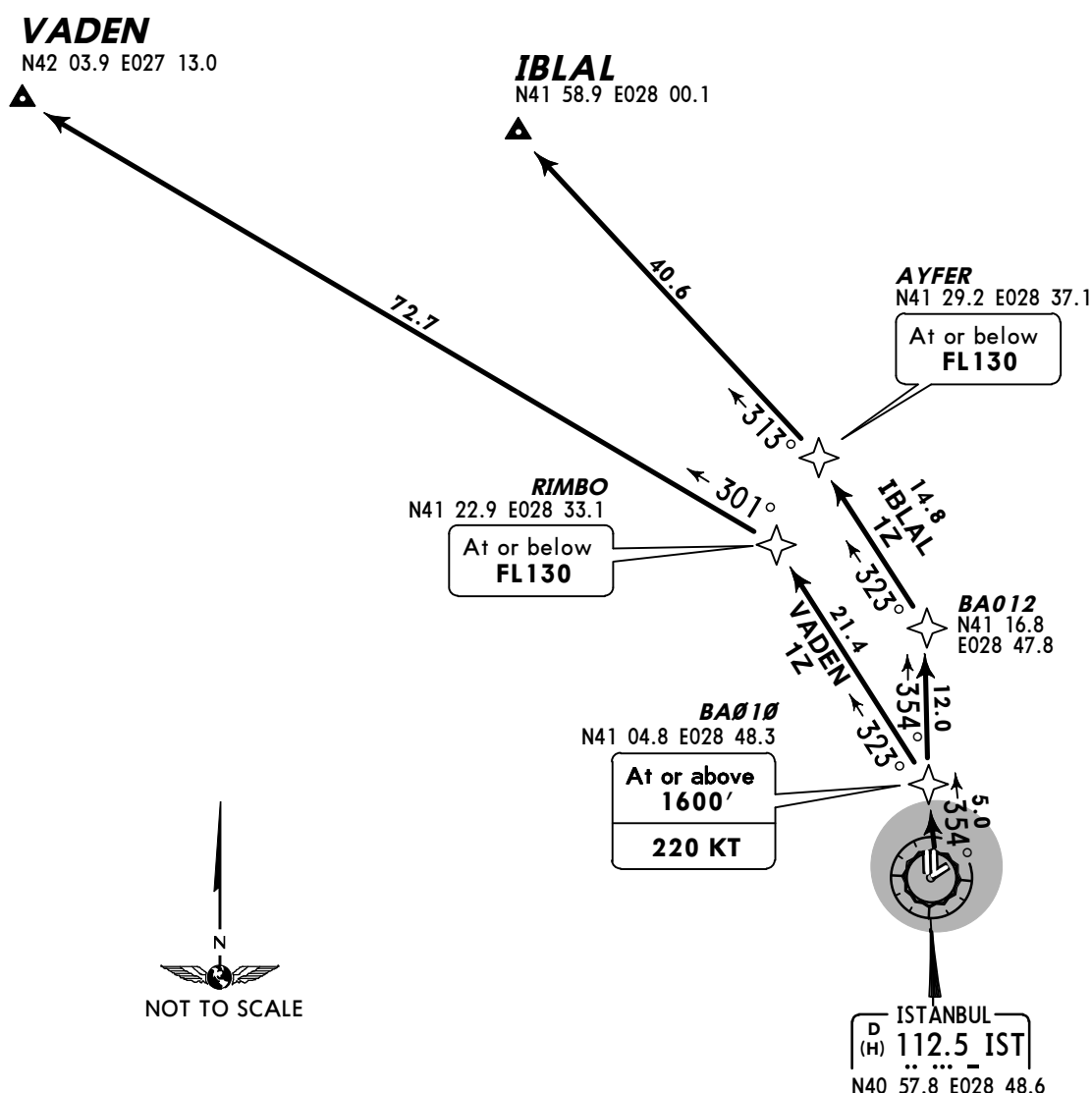
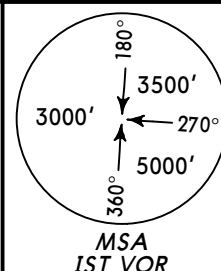
SID	ROUTING
IBLAL 1Y	BA010 (2200'+; K220) - BA012 - AYFER (FL130-) - IBLAL.
VADEN 1Y	BA010 (2200'+; K220) - RIMBO (FL130-) - VADEN.

YESILKOY Radar
126.42

Apt Elev
163'

Trans level: By ATC Trans alt: 10000'
1. Contact YESILKOY Radar immediately after take-off with call sign only, check ATIS for current frequency.
2. RADAR required.
3. P-RNAV approval required otherwise advise ATC.

**IBLAL 1Z [IBLA1Z]
VADEN 1Z [VADE1Z]
RWY 35R RNAV DEPARTURES**
RNAV (GNSS)



These SIDs require a minimum climb gradient of 304' per NM (5%) up to 5000'.

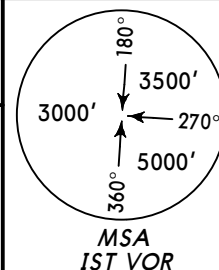
Gnd speed-KT	75	100	150	200	250	300
304' per NM	380	506	760	1013	1266	1519

Initial climb clearance **9000'**

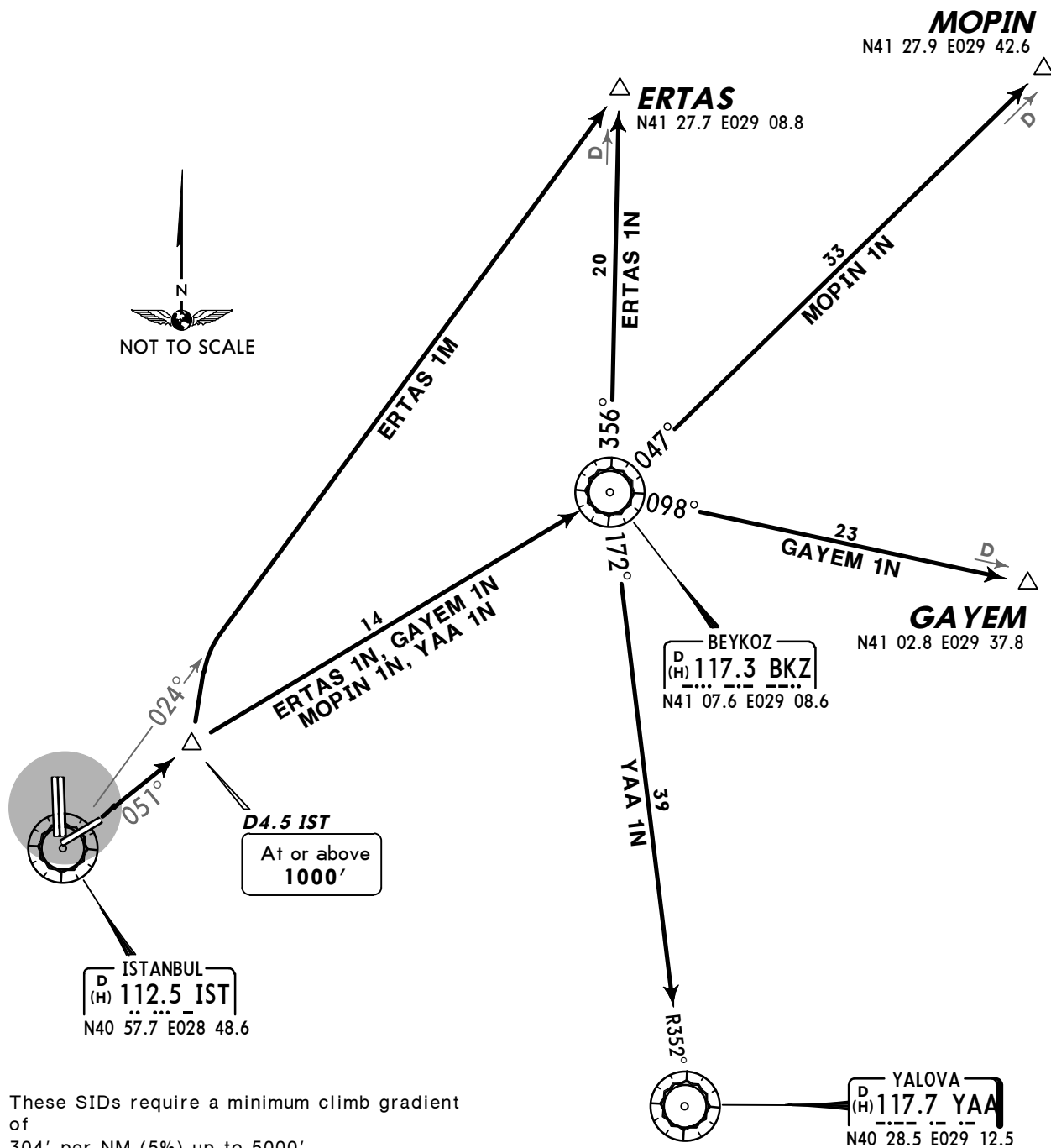
SID	ROUTING
IBLAL 1Z	BA010 (1600'+; K220) - BA012 - AYFER (FL130-) - IBLAL.
VADEN 1Z	BA010 (1600'+; K220) - RIMBO (FL130-) - VADEN.

Apt Elev
163'

Trans level: By ATC Trans alt: 10000'



ERTAS ONE MIKE (ERTAS 1M) [ERTA1M]
ERTAS ONE NOVEMBER (ERTAS 1N) [ERTA1N]
GAYEM ONE NOVEMBER (GAYEM 1N) [GAYE1N]
MOPIN ONE NOVEMBER (MOPIN 1N) [MOPI1N]
YALOVA ONE NOVEMBER (YAA 1N)
RWY 05 DEPARTURES



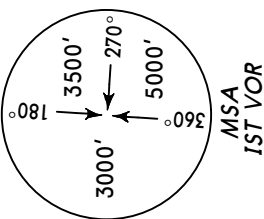
These SIDs require a minimum climb gradient of 304' per NM (5%) up to 5000'.

Gnd speed-KT	75	100	150	200	250	300
304' per NM	380	506	760	1013	1266	1519

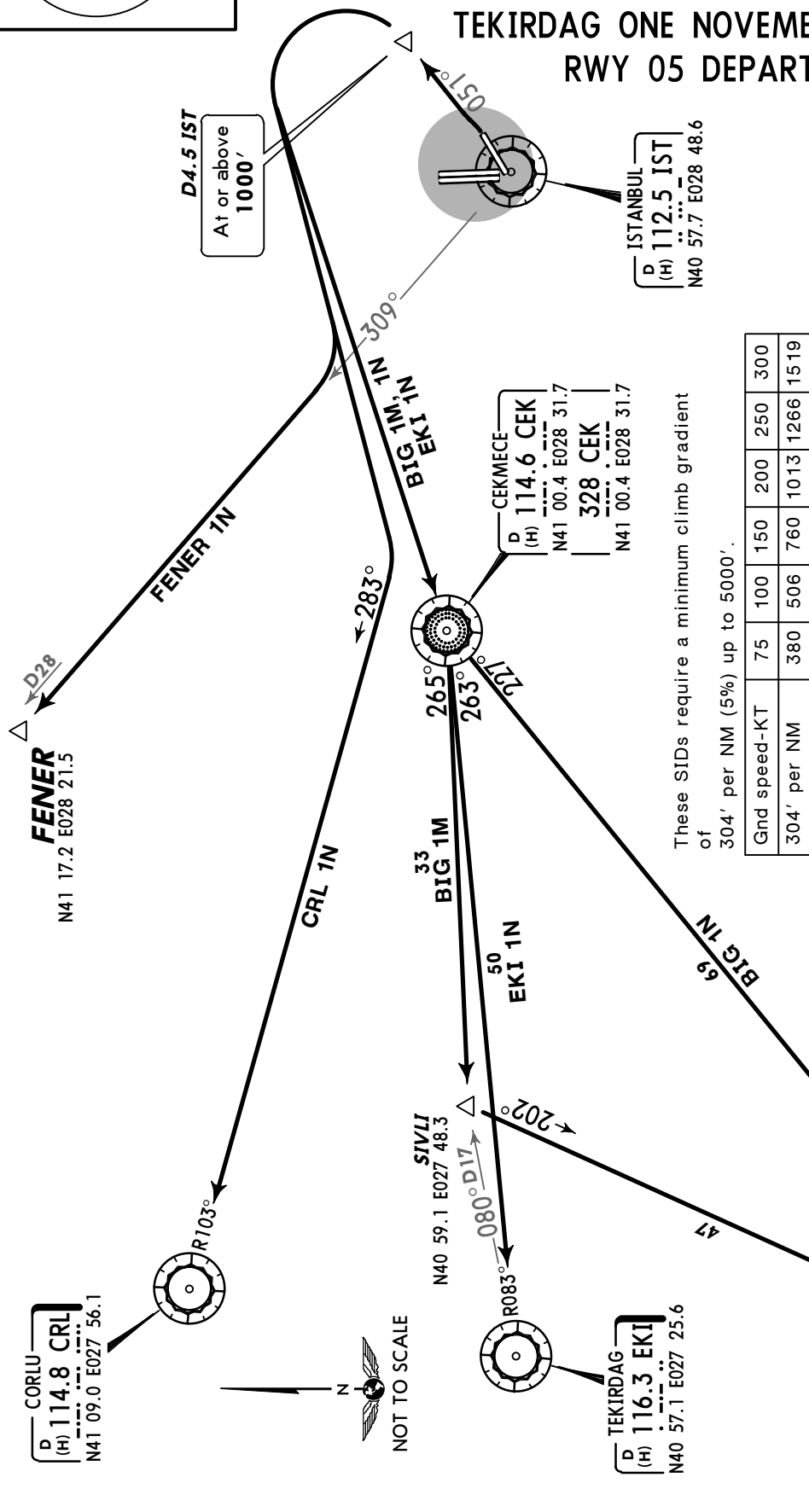
SID	INITIAL CLIMB/ROUTING
ERTAS 1M	Intercept IST R-051 to D4.5 IST, turn LEFT, intercept IST R-024 to ERTAS.
ERTAS 1N	Intercept IST R-051 to D4.5 IST, to BKZ, BKZ R-356 to ERTAS.
GAYEM 1N	Intercept IST R-051 to D4.5 IST, to BKZ, BKZ R-098 to GAYEM.
MOPIN 1N	Intercept IST R-051 to D4.5 IST, to BKZ, BKZ R-047 to MOPIN.
YAA 1N	Intercept IST R-051 to D4.5 IST, to BKZ, BKZ R-172 to YAA.

Apt Elev
163'

Trans level: By ATC Trans alt: 10000'



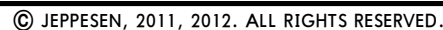
BIGA ONE MIKE (BIG 1M)
BIGA ONE NOVEMBER (BIG 1N)
CORLU ONE NOVEMBER (CRL 1N)
FENER ONE NOVEMBER (FENER 1N) [FENE1N]
TEKIRDAG ONE NOVEMBER (EKI 1N)
RWY 05 DEPARTURES



These SIDs require a minimum climb gradient of 304' per NM (5%) up to 5000'.

Gnd speed-KT	75	100	150	200	250	300
304' per NM	380	506	760	1013	1266	1519

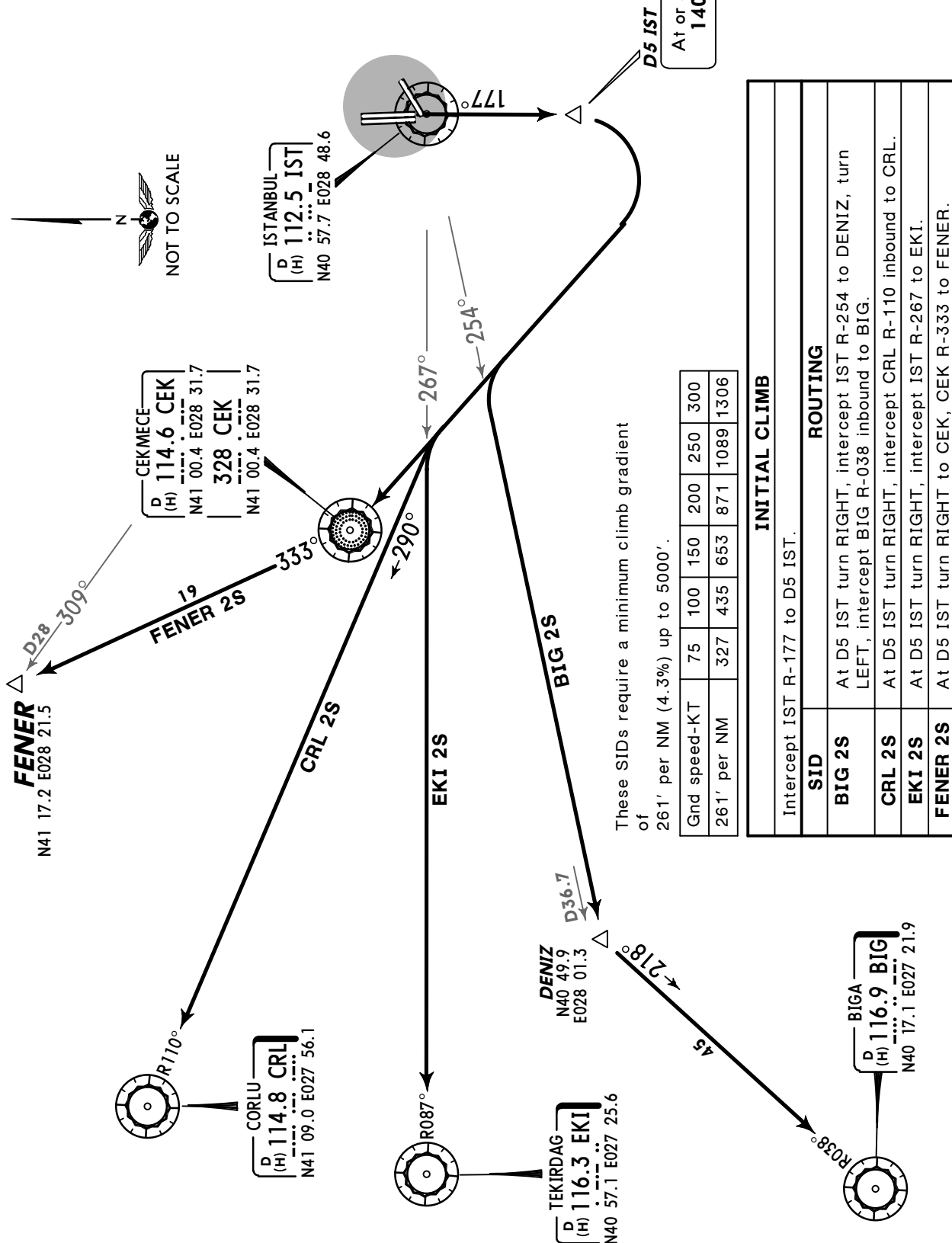
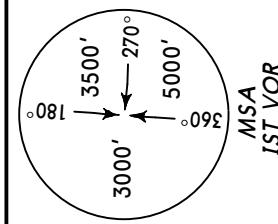
INITIAL CLIMB	
Intercept IST R-051 to D4.5 IST.	
SID	ROUTING
BIG 1M	At D4.5 IST turn LEFT to CEK, CEK R-265 to SIVLI, turn LEFT, intercept BIG R-022 inbound to BIG.
BIG 1N	At D4.5 IST turn LEFT to CEK, intercept BIG R-047 inbound to BIG.
CRL 1N	At D4.5 IST turn LEFT, intercept CRL R-103 inbound to CRL.
EKI 1N	At D4.5 IST turn LEFT to CEK, intercept EKI R-083 inbound to EKI.
FENER 1N	At D4.5 IST turn LEFT, intercept IST R-309 to FENER.



Apt Elev
163'

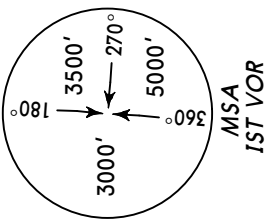
Trans level: By ATC Trans alt: 10000'

BIGA TWO SIERRA (BIG 2S)
CORLU TWO SIERRA (CRL 2S)
FENER TWO SIERRA (FENER 2S) [FENE2S]
TEKIRDAG TWO SIERRA (EKI 2S)
RWYS 17L/R DEPARTURES



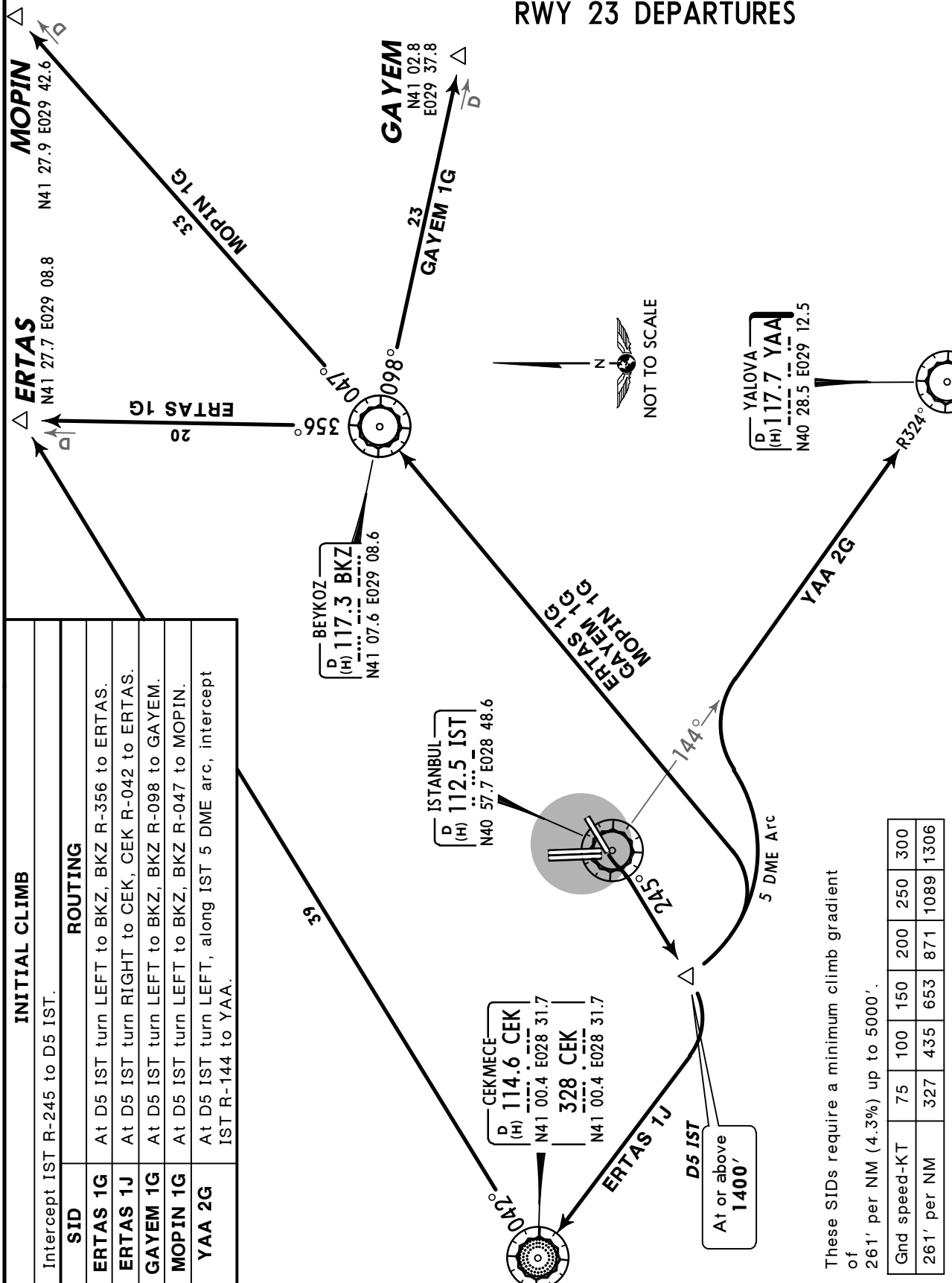
Apt Elev
163'

Trans level: By ATC Trans alt: 10000'



MSA
IST VOR

ERTAS ONE GOLF (ERTAS 1G) [ERTA1G]
ERTAS ONE JULIETT (ERTAS 1J) [ERTA1J]
GAYEM ONE GOLF (GAYEM 1G) [GAYE1G]
MOPIN ONE GOLF (MOPIN 1G) [MOPI1G]
YALOVA TWO GOLF (YAA 2G)
RWY 23 DEPARTURES



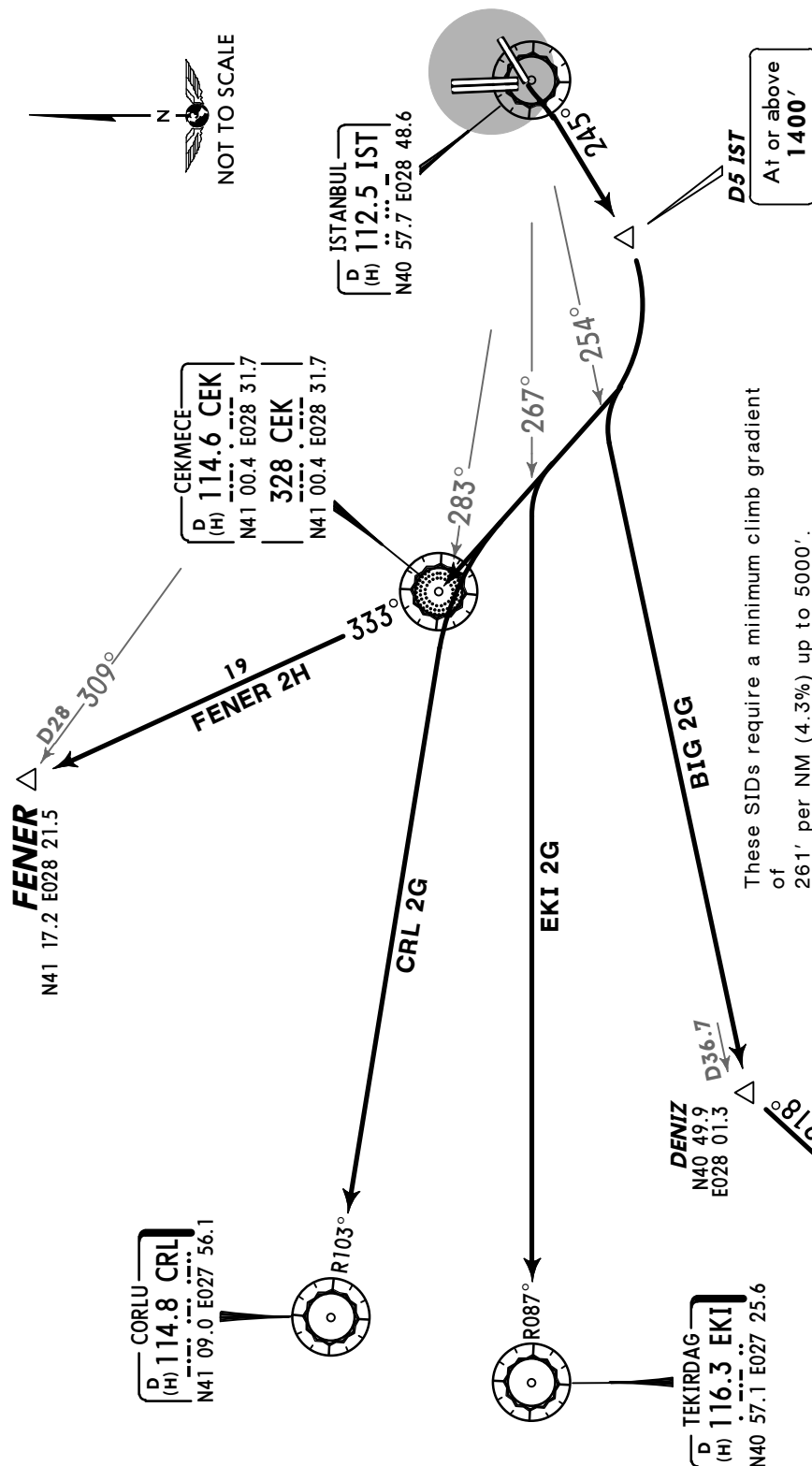
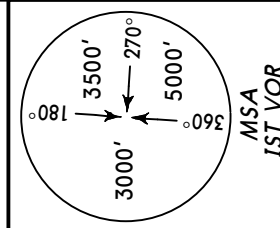
These SIDs require a minimum climb gradient of 261' per NM (4.3%) up to 5000'.

Gnd speed-KT	75	100	150	200	250	300
261' per NM	327	435	653	871	1089	1306

Apt Elev
163'

Trans level: By ATC Trans alt: 10000'

BIGA TWO GOLF (BIG 2G)
CORLU TWO GOLF (CRL 2G)
FENER TWO HOTEL (FENER 2H) [FENE2H]
TEKIRDAG TWO GOLF (EKI 2G)
RWY 23 DEPARTURES

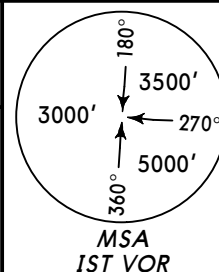


Gnd speed-KT	75	100	150	200	250	300
261' per NM	327	435	653	871	1089	1306

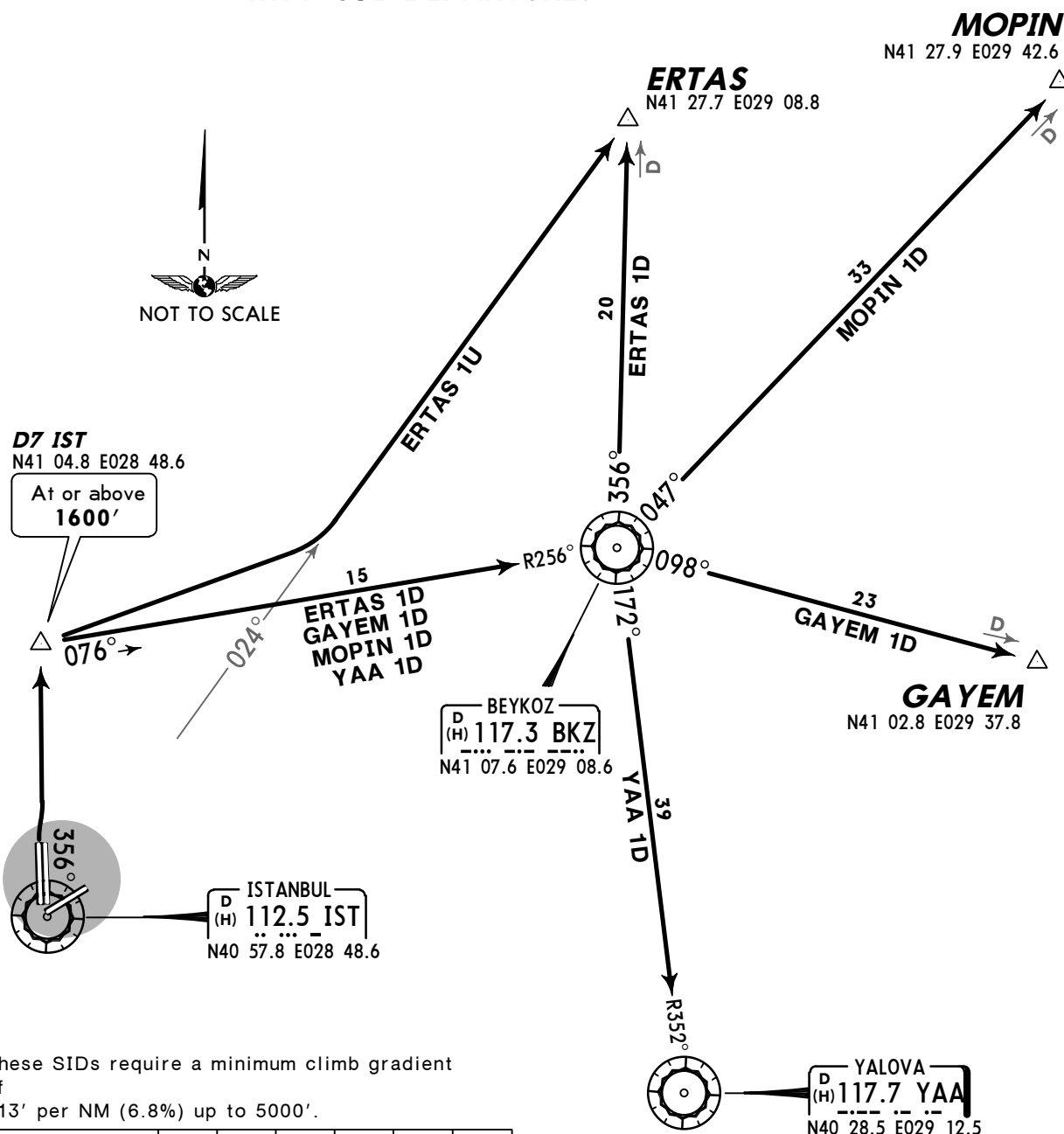
INITIAL CLIMB	
Intercept IST R-245 to D5 IST.	
SID	ROUTING
BIG 2G	At D5 IST turn RIGHT, intercept IST R-254 to DENIZ, turn LEFT, intercept BIG R-038 inbound to BIG.
CRL 2G	At D5 IST turn RIGHT, intercept IST R-283 to CRL.
EKI 2G	At D5 IST turn RIGHT, intercept IST R-267 to EKI.
FENER 2H	At D5 IST turn RIGHT to CEK, CEK R-333 to FENER.

Apt Elev
163'

Trans level: By ATC Trans alt: 10000'



ERTAS ONE DELTA (ERTAS 1D) [ERTA1D]
ERTAS ONE UNIFORM (ERTAS 1U) [ERTA1U]
GAYEM ONE DELTA (GAYEM 1D) [GAYE1D]
MOPIN ONE DELTA (MOPIN 1D) [MOPI1D]
YALOVA ONE DELTA (YAA 1D)
RWY 35L DEPARTURES



These SIDs require a minimum climb gradient of 413' per NM (6.8%) up to 5000'.

Gnd speed-KT	75	100	150	200	250	300
413' per NM	516	689	1033	1377	1722	2066

INITIAL CLIMB

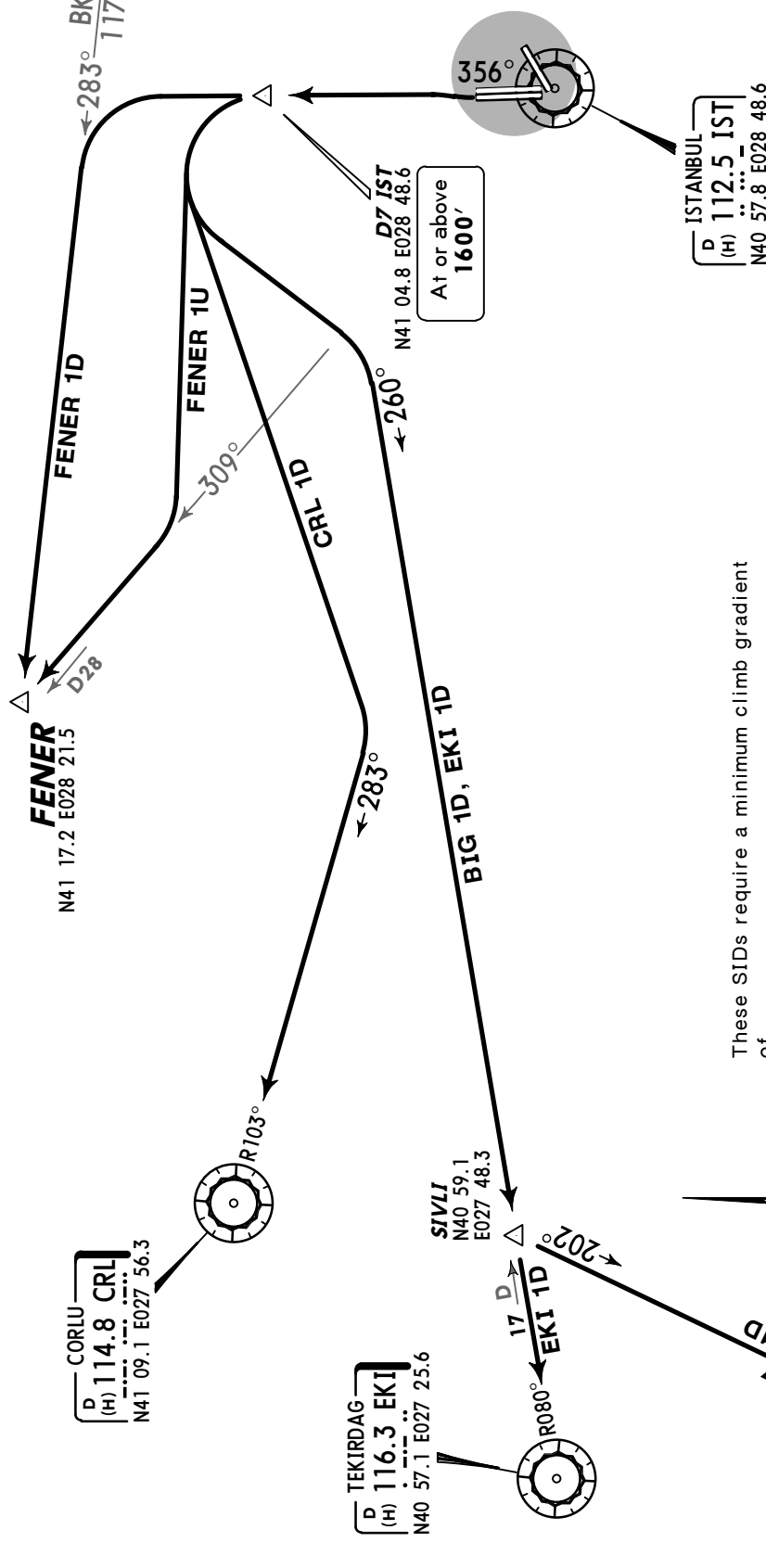
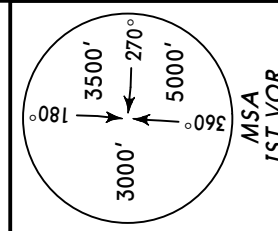
Intercept IST R-356 to D7 IST.

SID	ROUTING
ERTAS 1D	At D7 IST turn RIGHT, intercept BKZ R-256 inbound to BKZ, BKZ R-356 to ERTAS.
ERTAS 1U	At D7 IST turn RIGHT, intercept IST R-024 to ERTAS.
GAYEM 1D	At D7 IST turn RIGHT, intercept BKZ R-256 inbound to BKZ, BKZ R-098 to GAYEM.
MOPIN 1D	At D7 IST turn RIGHT, intercept BKZ R-256 inbound to BKZ, BKZ R-047 to MOPIN.
YAA 1D	At D7 IST turn RIGHT, intercept BKZ R-256 inbound to BKZ, BKZ R-172 to YAA.

Apt Elev
163'

Trans level: By ATC Trans alt: 10000'

BIGA ONE DELTA (BIG 1D)
CORLU ONE DELTA (CRL 1D)
FENER ONE DELTA (FENER 1D) [FENE1D]
FENER ONE UNIFORM (FENER 1U) [FENE1U]
TEKIRDAG ONE DELTA (EKI 1D)
RWY 35L DEPARTURES



These SIDs require a minimum climb gradient
of
413' per NM (6.8%) up to 5000'.

Gnd speed-KT	75	100	150	200	250	300
413' per NM	516	689	1033	1377	1722	2066

INITIAL CLIMB

Intercept IST R-356 to D7 IST.

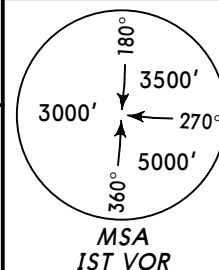
ROUTING

SID	ROUTING
BIG 1D	At D7 IST turn LEFT, intercept EKI R-080 inbound to SIVLI, turn LEFT, intercept BIG R-022 inbound to BIG.
CRL 1D	At D7 IST turn LEFT, intercept CRL R-103 inbound to CRL.
EKI 1D	At D7 IST turn LEFT, intercept EKI R-080 inbound to EKI.
FENER 1D	At D7 IST straight ahead, turn LEFT, intercept BKZ R-283 to FENER.
FENER 1U	At D7 IST turn LEFT, intercept IST R-309 to FENER.

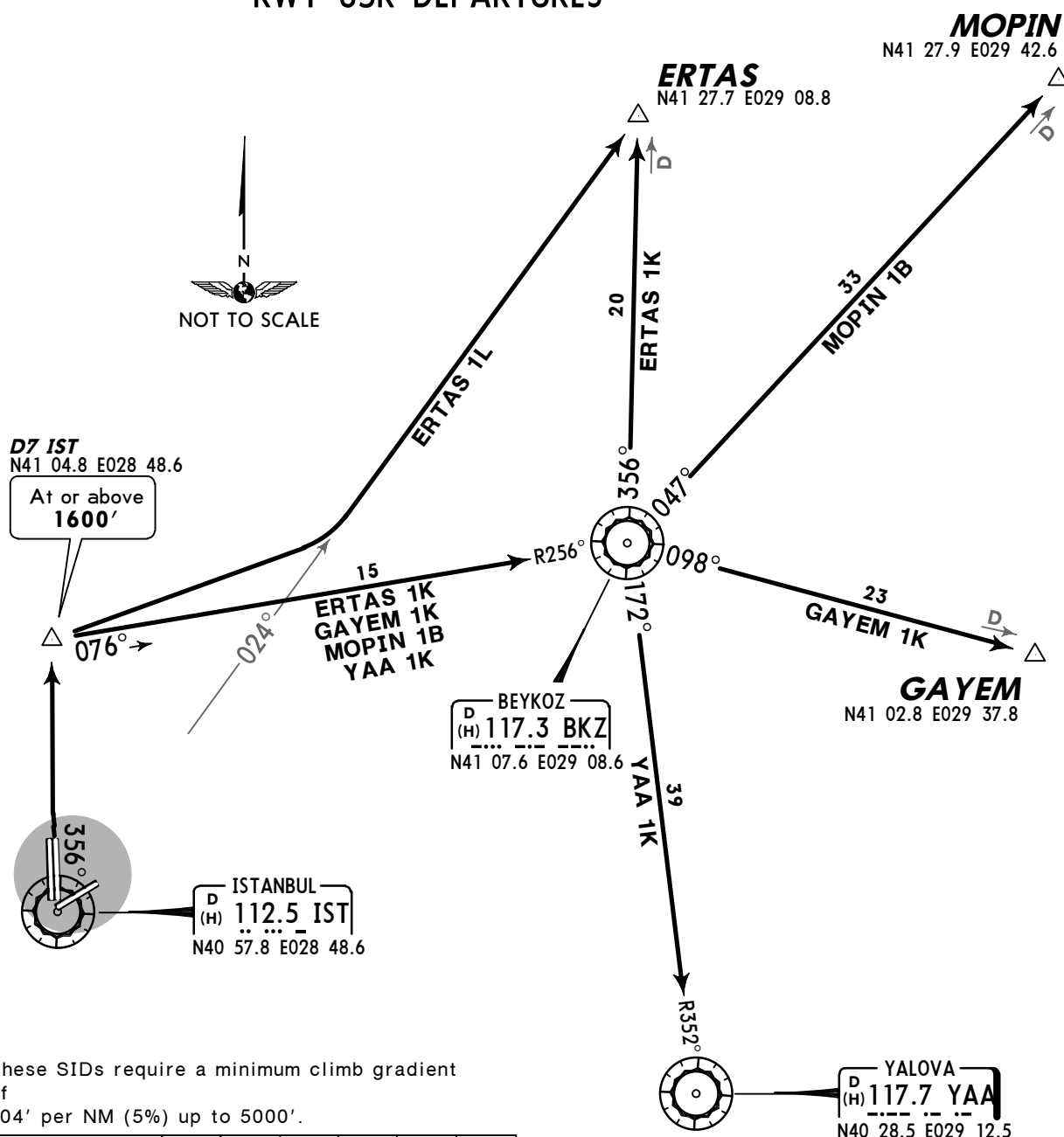
NOT TO SCALE

Apt Elev
163'

Trans level: By ATC Trans alt: 10000'



ERTAS ONE KILO (ERTAS 1K) [ERTA1K]
ERTAS ONE LIMA (ERTAS 1L) [ERTA1L]
GAYEM ONE KILO (GAYEM 1K) [GAYE1K]
MOPIN ONE BRAVO (MOPIN 1B) [MOP11B]
YALOVA ONE KILO (YAA 1K)
RWY 35R DEPARTURES



These SIDs require a minimum climb gradient
of
304' per NM (5%) up to 5000'.

Gnd speed-KT	75	100	150	200	250	300
304' per NM	380	506	760	1013	1266	1519

INITIAL CLIMB

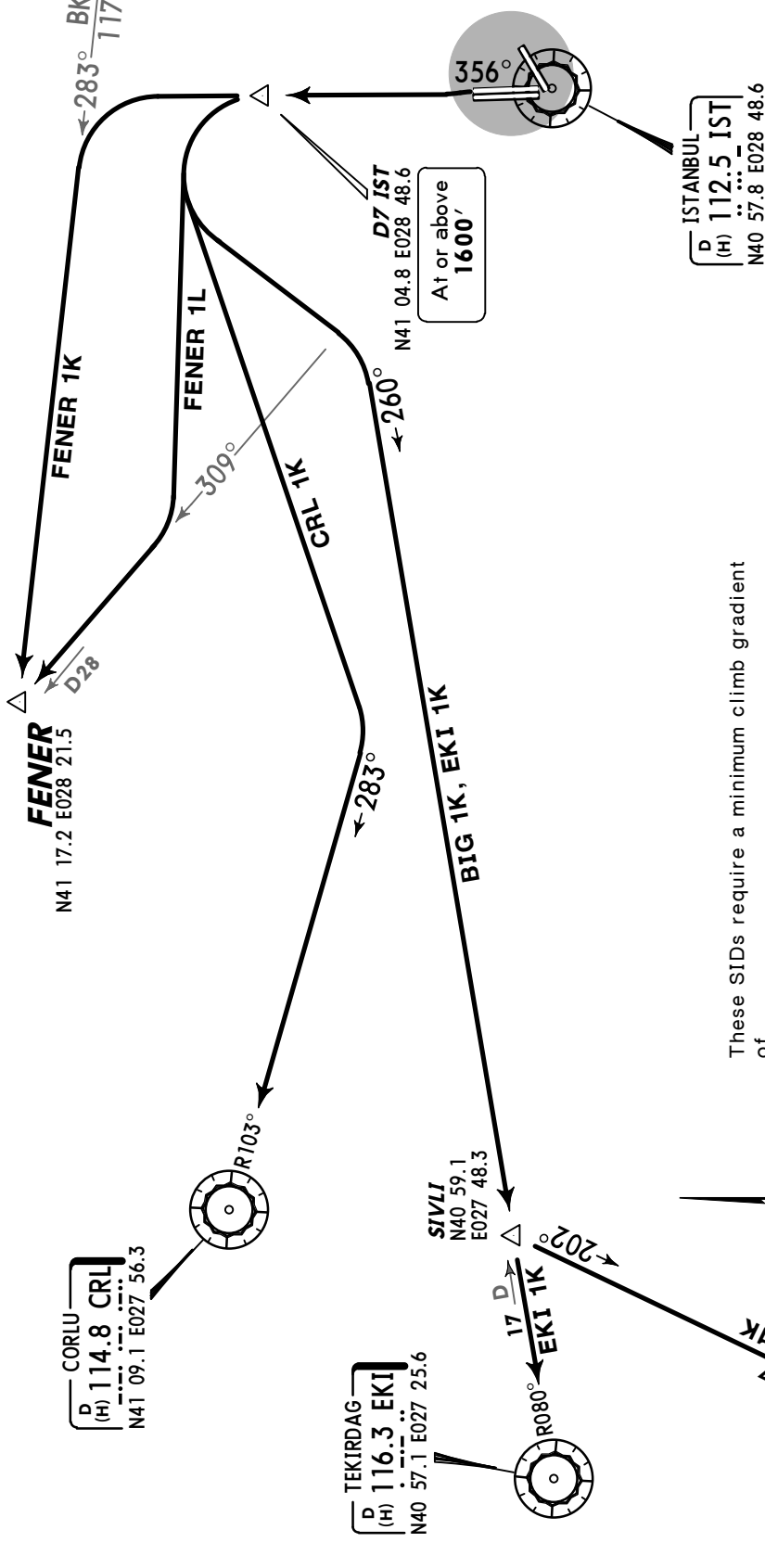
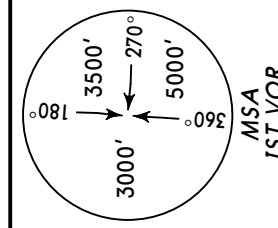
Intercept IST R-356 to D7 IST.

SID	ROUTING
ERTAS 1K	At D7 IST turn RIGHT, intercept BKZ R-256 inbound to BKZ, BKZ R-356 to ERTAS.
ERTAS 1L	At D7 IST turn RIGHT, intercept IST R-024 to ERTAS.
GAYEM 1K	At D7 IST turn RIGHT, intercept BKZ R-256 inbound to BKZ, BKZ R-098 to GAYEM.
MOPIN 1B	At D7 IST turn RIGHT, intercept BKZ R-256 inbound to BKZ, BKZ R-047 to MOPIN.
YAA 1K	At D7 IST turn RIGHT, intercept BKZ R-256 inbound to BKZ, BKZ R-172 to YAA.

Apt Elev
163'

Trans level: By ATC Trans alt: 10000'

BIGA ONE KILO (BIG 1K)
CORLU ONE KILO (CRL 1K)
FENER ONE KILO (FENER 1K) [FENE1K]
FENER ONE LIMA (FENER 1L) [FENE1L]
TEKIRDAG ONE KILO (EKI 1K)
RWY 35R DEPARTURES



These SIDs require a minimum climb gradient of 304' per NM (5%) up to 5000'.

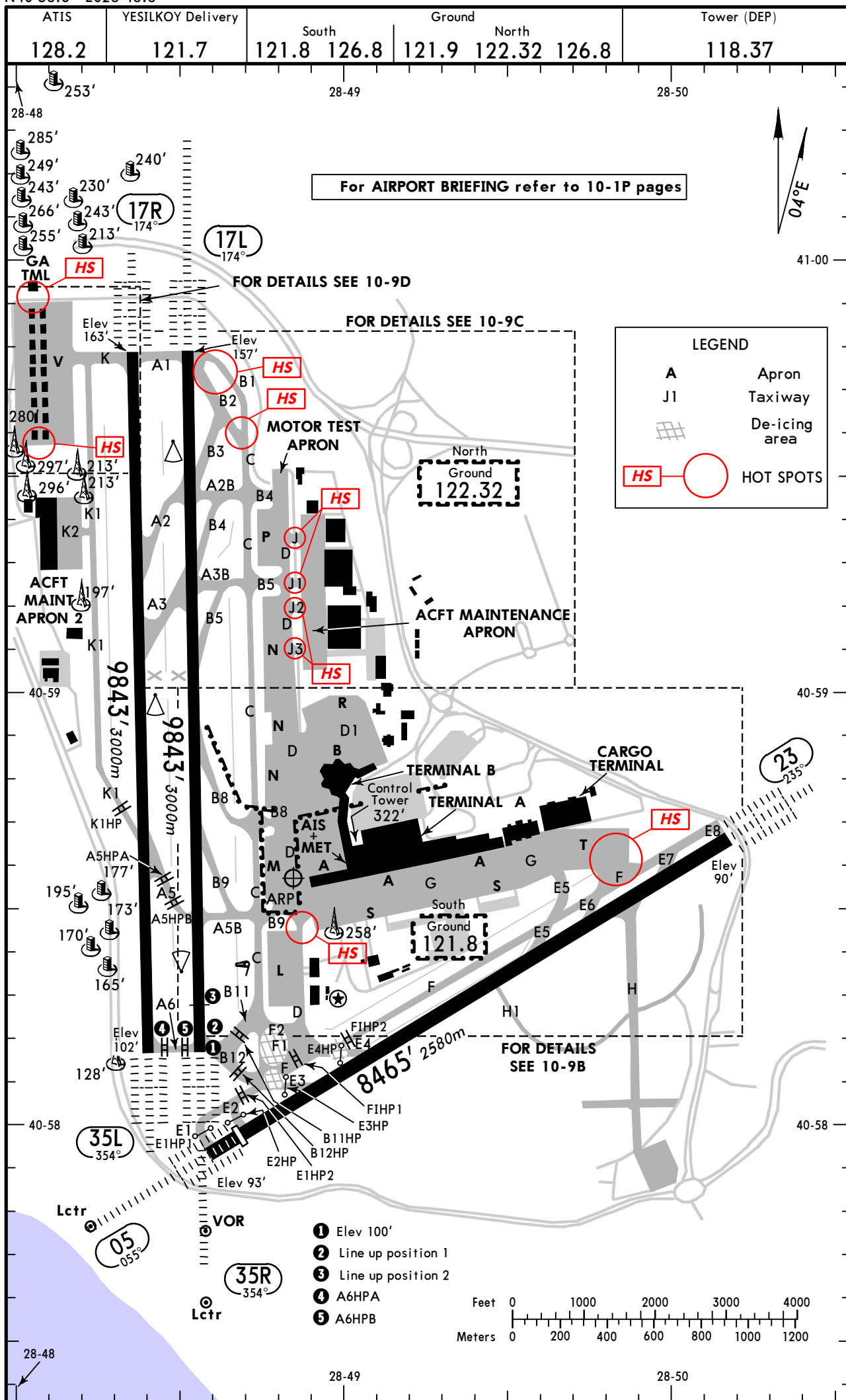
Gnd speed-KT	75	100	150	200	250	300
304' per NM	380	506	760	1013	1266	1519

INITIAL CLIMB

Intercept IST R-356 to D7 IST.

ROUTING

SID	ROUTING
BIG 1K	At D7 IST turn LEFT, intercept EKI R-080 inbound to SIVLI, turn LEFT, intercept BIG R-022 inbound to BIG.
CRL 1K	At D7 IST turn LEFT, intercept CRL R-103 inbound to CRL.
EKI 1K	At D7 IST turn LEFT, intercept EKI R-080 inbound to EKI.
FENER 1K	At D7 IST straight ahead, turn LEFT, intercept BKZ R-283 to FENER.
FENER 1L	At D7 IST turn LEFT, intercept IST R-309 to FENER.



ADDITIONAL RUNWAY INFORMATION

ADDITIONAL RUNWAY INFORMATION									
RWY						USABLE LENGTHS		TAKE-OFF	WIDTH
						Threshold	Glide Slope		
05	HIRL (60m) CL (15m) HIALS-II SFL TDZ REIL ① RVR					8038' 2450m	6884' 2098m	③	197'
23	HIRL (60m) CL (15m) HIALS-II SFL TDZ REIL ② RVR						7493' 2284m		60m

05	HIRL (60m) CL (15m) HIALS-II SFL TDZ REIL ① RVR	8038' 2450m	6884' 2098m	③		197'
23	HIRL (60m) CL (15m) HIALS-II SFL TDZ REIL ② RVR		7493' 2284m			60m

① PAPI-R (3.0°) HSTIL-E5, E6 & E7.

② PAPI-L (3.2°) HSTIL-E4, E3 & E2.

③ TAKE-OFF RUN AVAILABLE

RWY 05:

from rwy head 8465' (2580m)

twy E2 int 8038' (2450m)

17L	HIRL ④ CL ⑤ HIALS-II SFL TDZ REIL ⑥ RVR		8932' 2722m		148'
35R	HIRL ④ CL ⑤ HIALS-II SFL TDZ REIL ⑦ RVR			⑧	45m

④ spacing 60m.

⑤ spacing 15m.

⑥ PAPI(3.0°) HSTIL-B8 & B9.

⑦ PAPI(3.0°) HSTIL-B5, B4 & B3.

⑧ TAKE-OFF RUN AVAILABLE

RWY 35R:

from line up position 1 9843' (3000m)

line up position 2 9186' (2800m)

twy A5 int 8038' (2450m)

twy A5B int 8038' (2450m)

17R	HIRL (60m) CL (15m) HIALS-II SFL TDZ REIL ⑨ RVR				148'
35L	HIRL (60m) CL (15m) HIALS-II SFL TDZ REIL ⑩ RVR		8932' 2722m	⑪	45m

⑨ PAPI (3.5°) HSTIL-A5.

⑩ PAPI (3.0°) HSTIL-A3 & A2.

⑪ TAKE-OFF RUN AVAILABLE

RWY 35L:

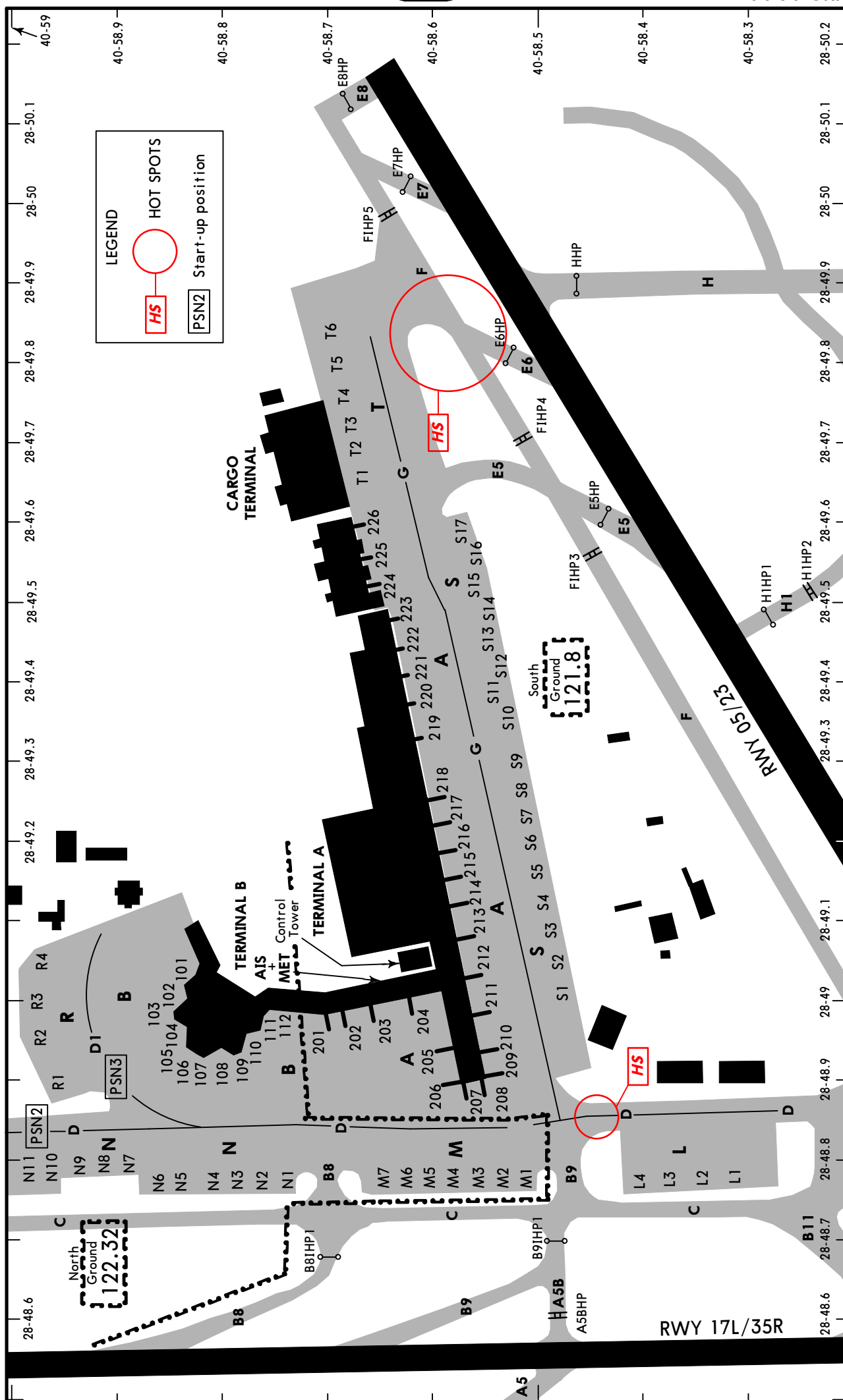
from rwy head 9843' (3000m)

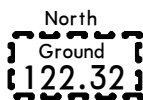
twy K1 int 6890' (2100m)

Standard
TAKE-OFF ①

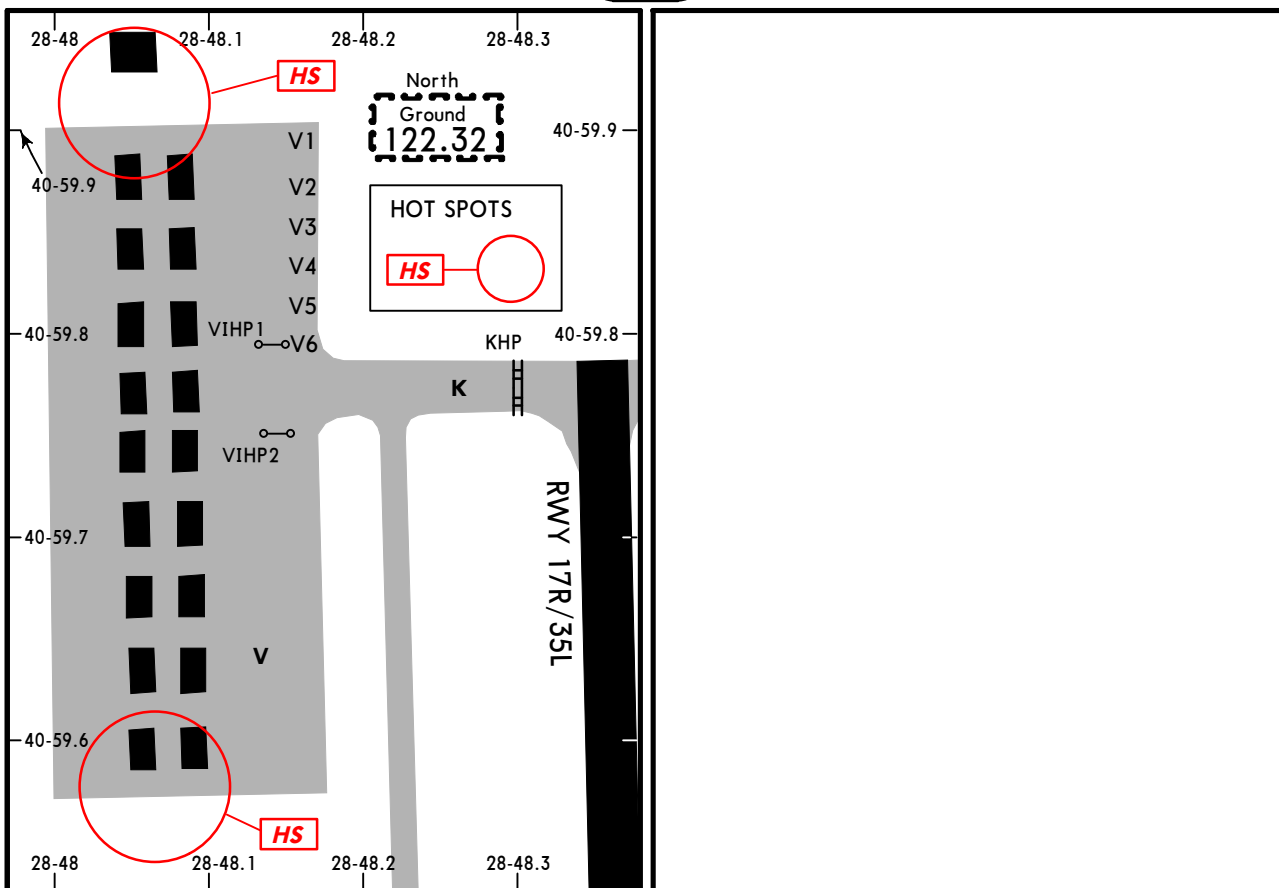
	LVP must be in force				RCLM (DAY only) or RL	NIL (DAY only)
	Approved Operators HIRL, CL & mult. RVR req	RL, CL & mult. RVR req	RL & CL	RCLM (DAY only) or RL		
A						
B	125m	150m	200m	250m	400m	500m
C						
D	150m	200m	250m	300m		

① Operators applying U.S. Ops Specs: CL required below 300m; approved HUD required below 150m.





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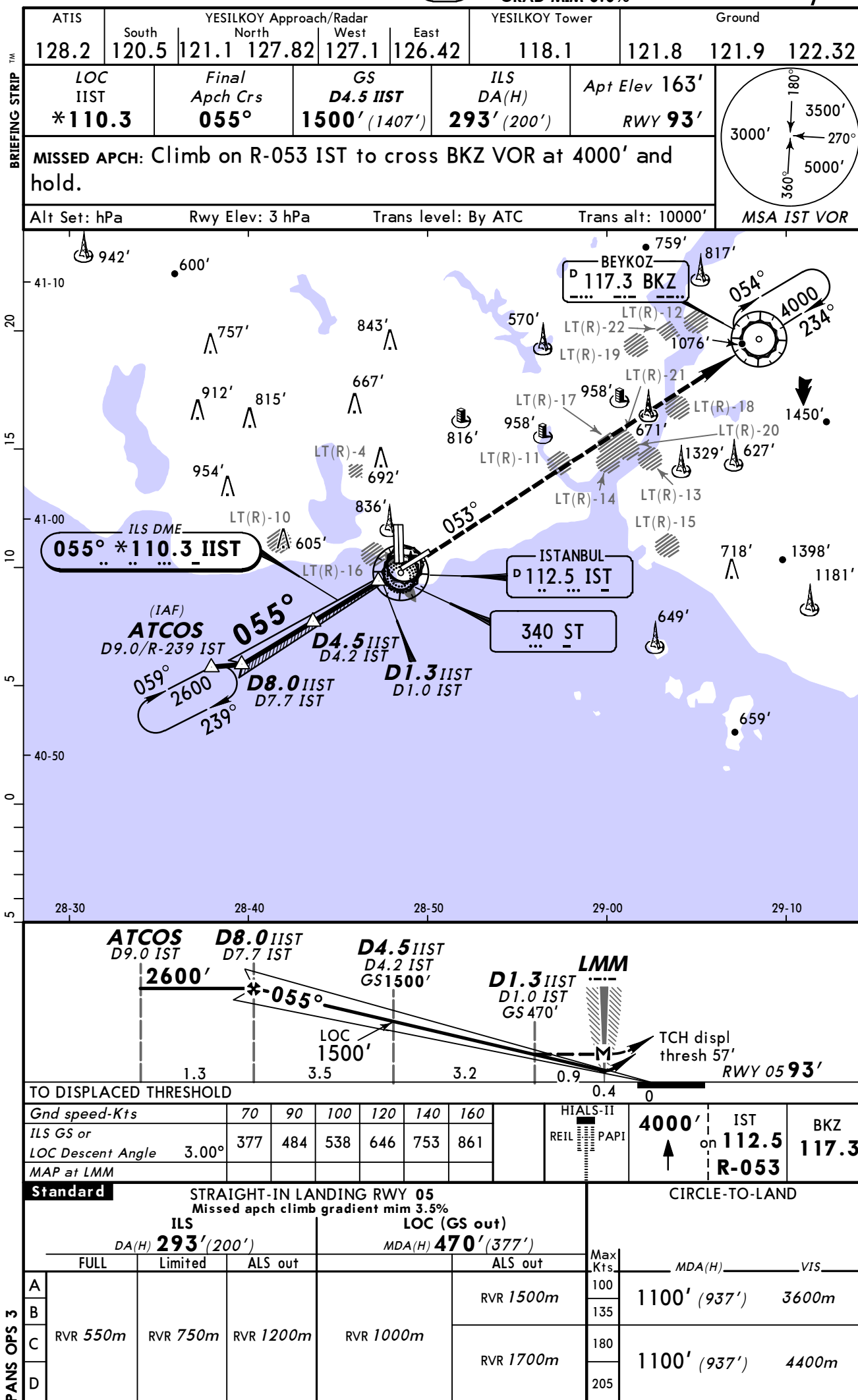


INS COORDINATES		
STAND No.	COORDINATES	
V1 thru 3 V4 thru 6	N40 59.9 E028 48.2 N40 59.8 E028 48.2	

LTBA/IST
ATATURK

JEPPesen
27 JAN 12 (11-1)

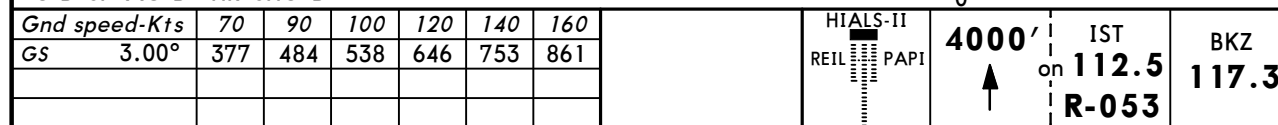
ISTANBUL, TURKEY
MISSED APCH CLIMB
GRAD MIM 3.5% ILS DME Rwy 05



ISTANBUL, TURKEY
II ILS DME Rwy 05

① CA'

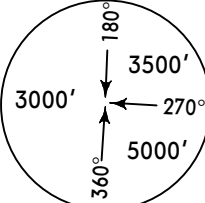
①CAT II/III ILS DMÉ Rwy 05

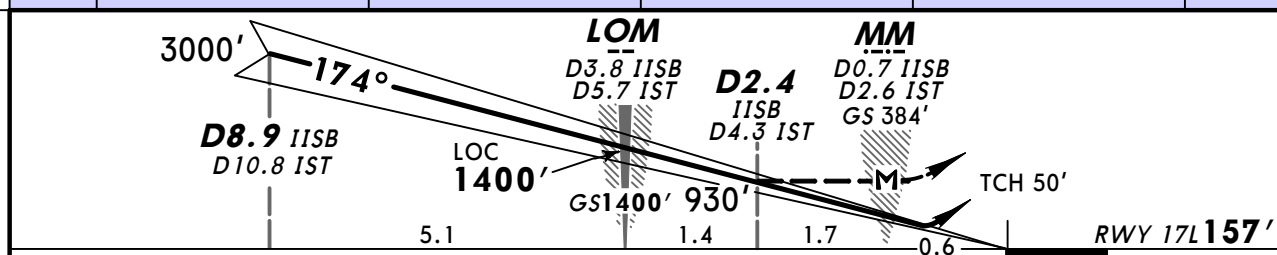
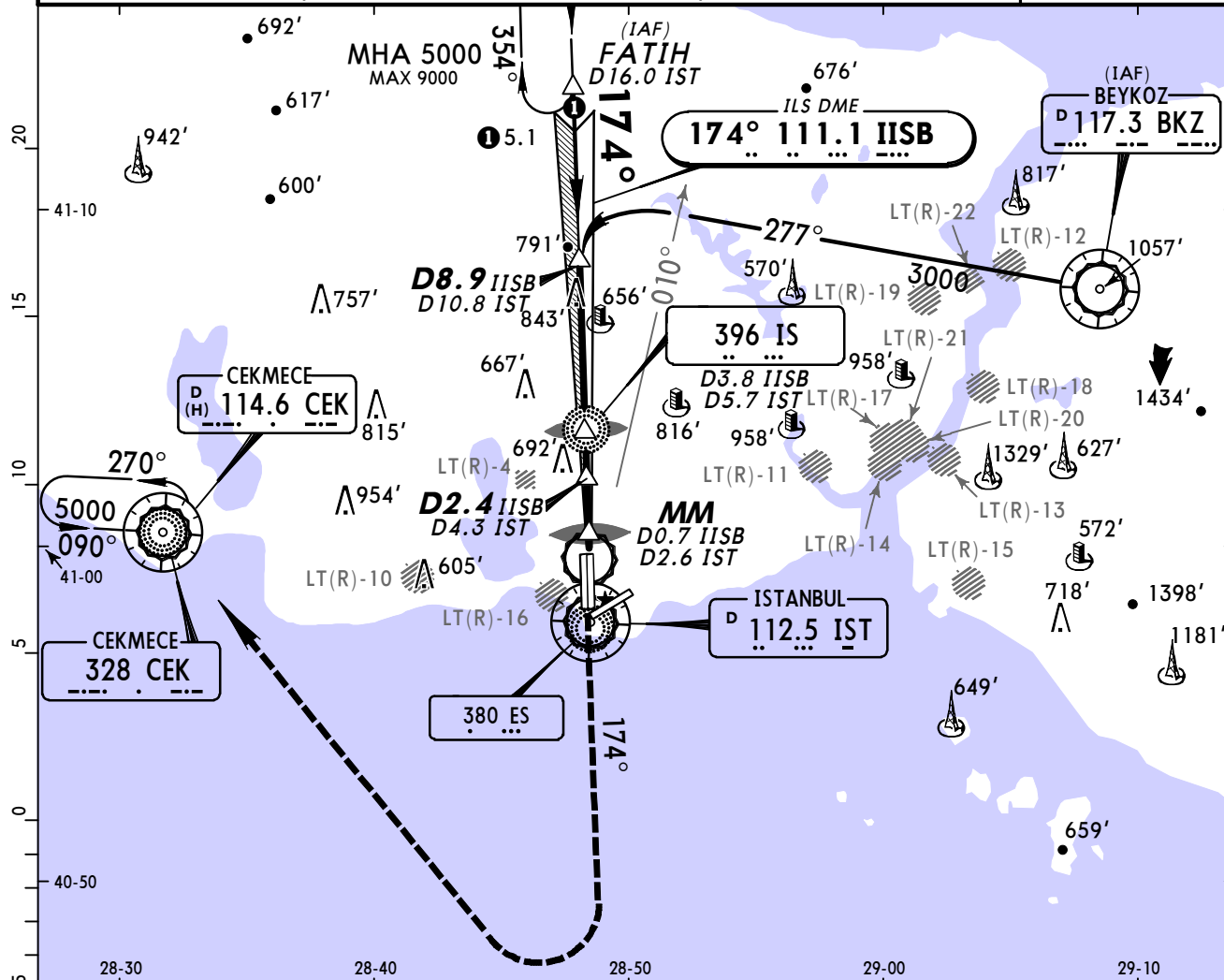


PANS OPS 3

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BRIEFING STRIP

ATIS	YESILKOY Approach/Radar					YESILKOY Tower		Ground		
South	North	West	East							
128.2	120.5	121.1	127.82	127.1	126.42	118.1	121.8	122.32	126.8	
LOC IISB 111.1	Final Apch Crs 174°	GS LOM 1400' (1243')	ILS DA(H) 360' (203')	Apt Elev 163' RWY 157'						
MISSED APCH: Climb on 174° to 2500', then turn RIGHT climbing to cross CEK VOR/NDB at 5000' and hold.										
Alt Set: hPa Rwy Elev: 6 hPa Trans level: By ATC Trans alt: 10000'										
MSA IST VOR										



Gnd speed-Kts	70	90	100	120	140	160		2500' on 174°
ILS GS or	372	478	531	637	743	849		
LOC Descent Angle 3.00°								
MAP at MM/D0.7 IISB/D2.6 IST								

PANS OPS	STRAIGHT-IN LANDING RWY 17L			CIRCLE-TO-LAND		
	ILS			LOC (GS out)		
	DA(H) 360' (203')			MDA(H) 930' (773')		
	FULL	Limited	ALS out	ALS out	Max Kts	MDA(H) VIS
	A				100	1100' (937') 3600m
B				RVR 1500m	135	
C	RVR 550m	RVR 750m	RVR 1200m		180	1100' (937') 4400m
D				CMV 2400m	205	

BRIEFING STRIP

ATIS

128.2

South

120.5

YESILKOY Approach/Radar

North

121.1

West

127.82

East

127.1

126.42

YESILKOY Tower

118.1

Ground

121.8

122.32

126.8

LOC

IATA

111.9

Final

Apch Crs

235°

GS

OM

1425' (1335')

ILS

DA(H)

290' (200')

Apt Elev

163'

RWY

90'

MISSED APCH: Climb on 235° to 2500', then turn RIGHT climbing to cross CEK VOR/NDB at 4000' and hold.

Alt Set: hPa

Rwy Elev: 3 hPa

Trans level: By ATC

Trans alt: 10000'

3000'

3500'

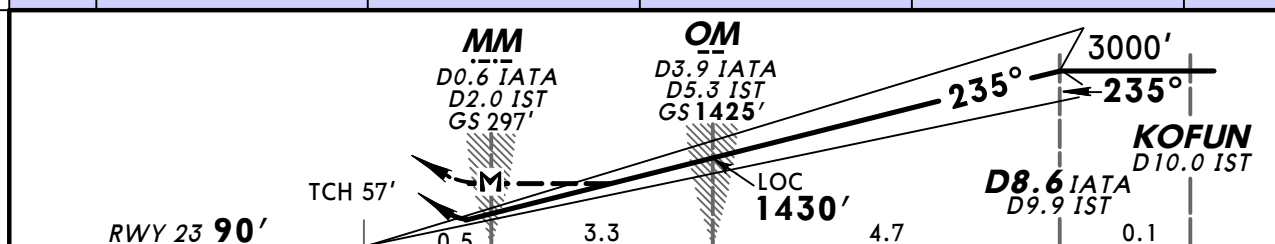
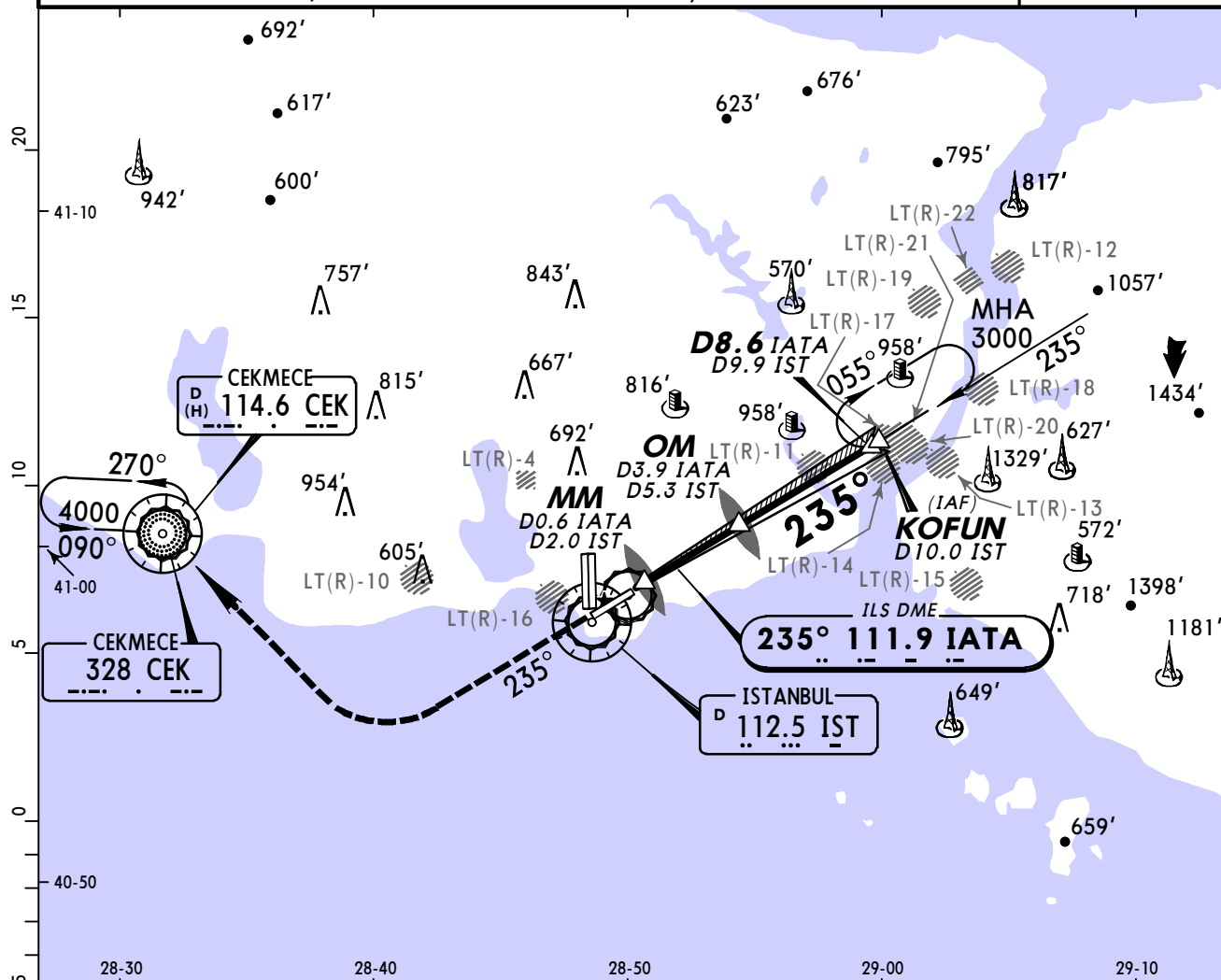
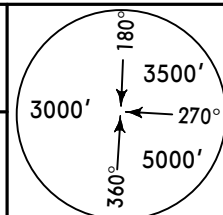
5000'

180°

270°

360°

MSA IST VOR



Gnd speed-Kts	70	90	100	120	140	160	HIALS-II	
ILS GS or	396	510	566	679	793	906	REIL	2500'
LOC Descent Angle	3.20°						PAPI	on 235°
MAP at MM/D0.6 IATA/D2.0 IST								

PANS OPS	STRAIGHT-IN LANDING RWY 23				CIRCLE-TO-LAND	
	ILS		LOC (GS out)		Max Kts	
	DA(H) 290' (200')		MDA(H) 710' (620')			
	FULL/Limited	ALS out		ALS out		MDA(H) VIS
	A				100	1100' (937') 3600m
B					135	
C	RVR 750m	RVR 1200m			180	1100' (937') 4400m
D					205	

BRIEFING STRIP

ATIS

128.2

South

120.5

YESILKOY Approach/Radar

North

121.1

West

127.82

East

127.1

126.42

YESILKOY Tower

118.1

Ground

121.8

122.32

126.8

LOC

IATA

111.9

Final

Apch Crs

235°

GS

OM

1425' (1335')

ILS

DA(H)

290' (200')

Apt Elev

163'

RWY

90'

MISSED APCH: Climb on 235° to 2500', then turn RIGHT climbing to cross CEK VOR/NDB at 4000' and hold.

Alt Set: hPa

Rwy Elev: 3 hPa

Trans level: By ATC

Trans alt: 10000'

3000'

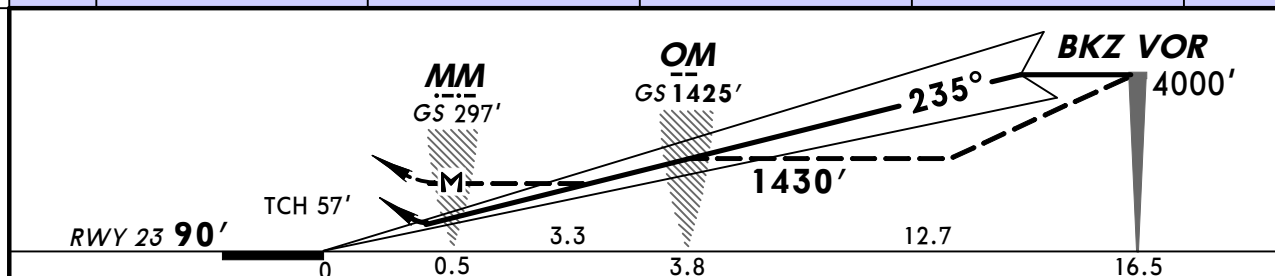
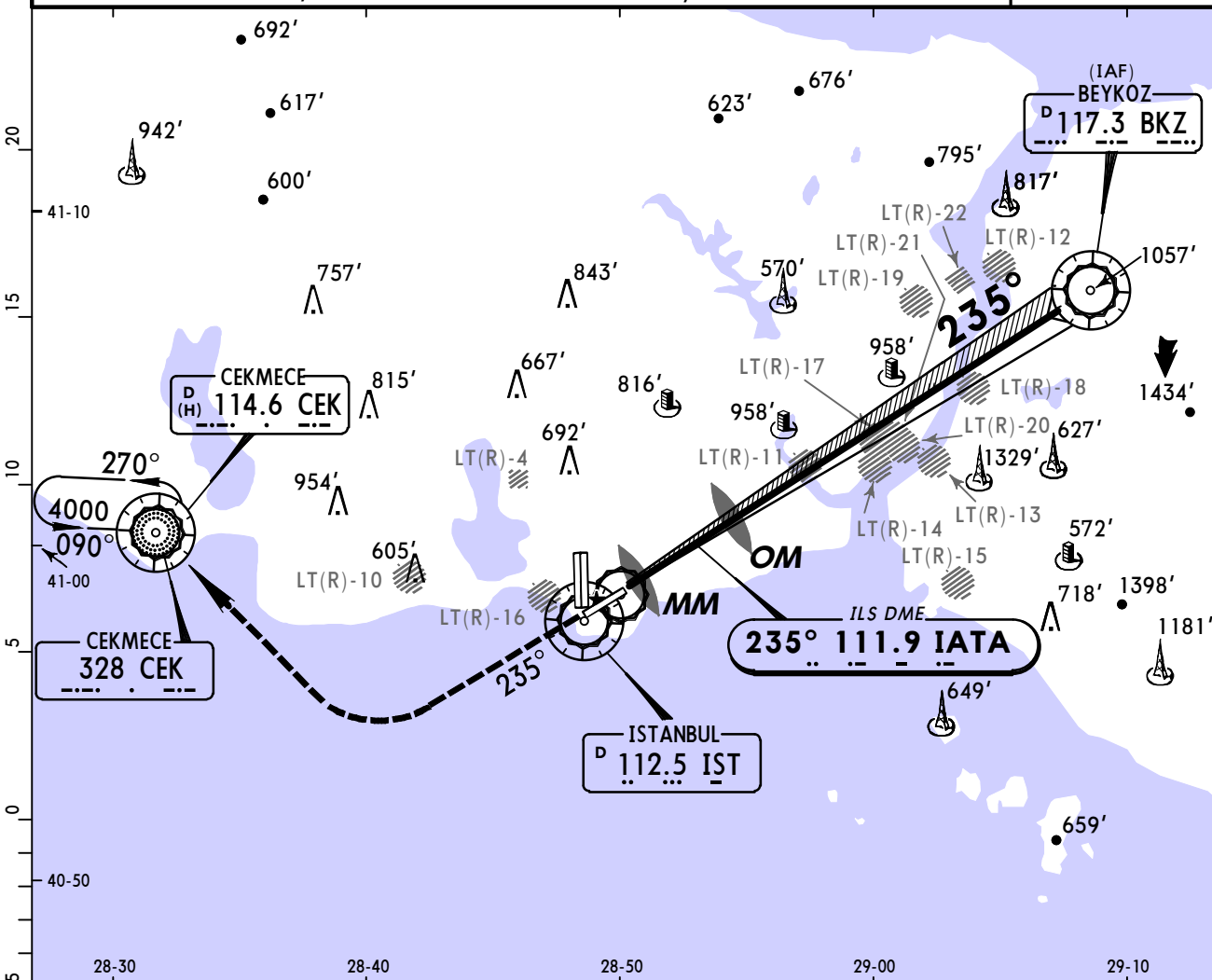
360°

3500'

270°

5000'

MSA IST VOR

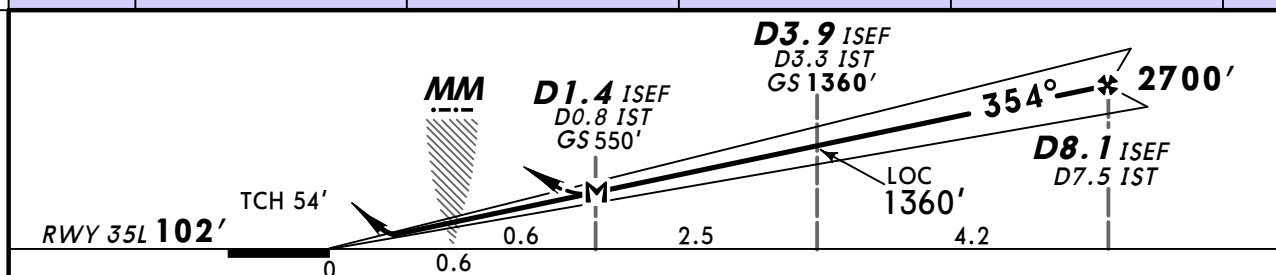
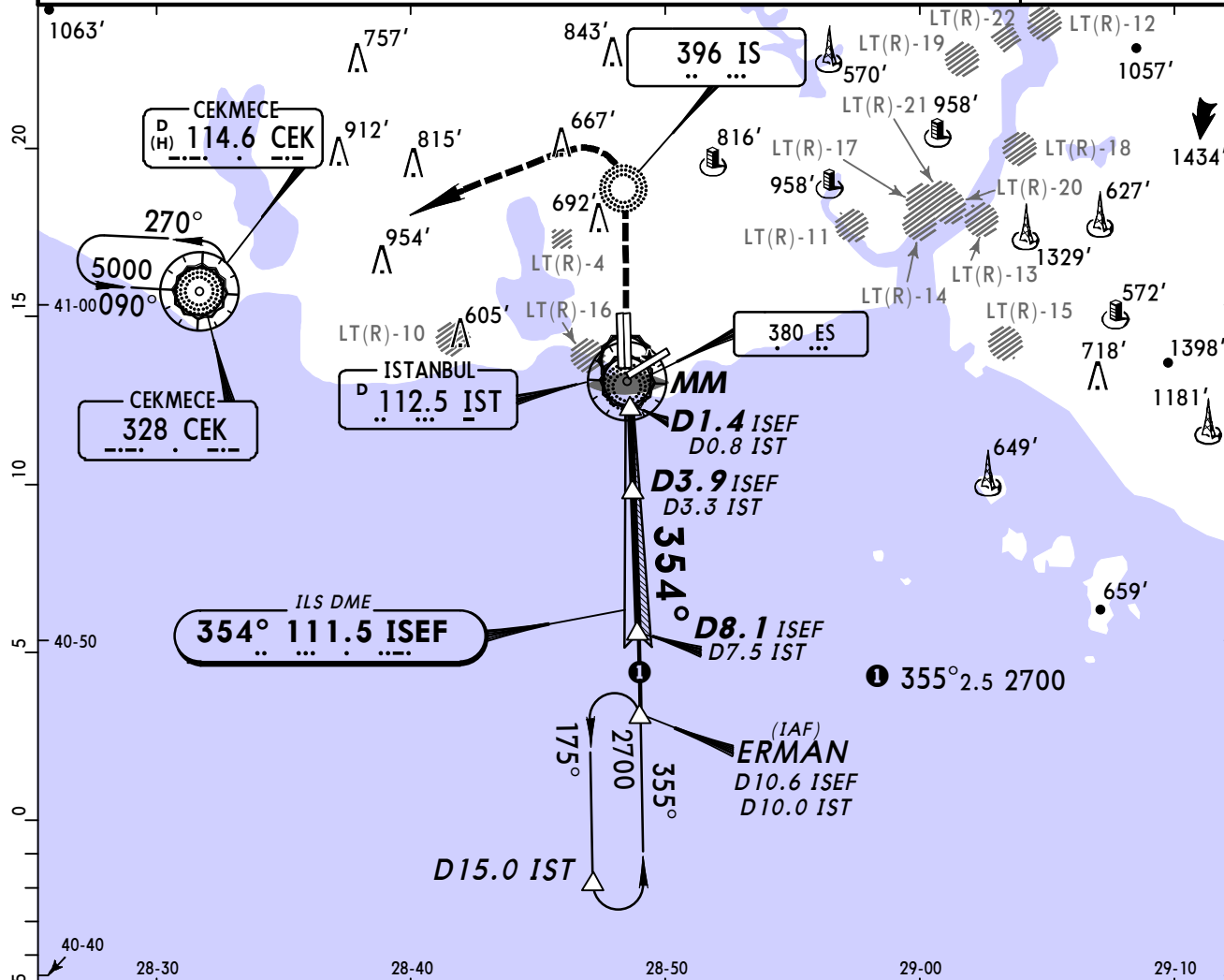


Gnd speed-Kts	70	90	100	120	140	160	HIALS-II	
ILS GS or	396	510	566	679	793	906	REIL PAPI	
LOC Descent Angle	3.20°						2500' on 235°	
MAP at MM								

PANS OPS	STRAIGHT-IN LANDING RWY 23				CIRCLE-TO-LAND			
	ILS		LOC (GS out)					
	DA(H) 290' (200')		MDA(H) 710' (620')					
	FULL/Limited	ALS out	FULL/Limited	ALS out	Max Kts	MDA(H)	VIS	
A					100	1100' (937')	3600m	
B					135			
C	RVR 750m	RVR 1200m			180	1100' (937')	4400m	
D					205			

BRIEFING STRIP

ATIS		YESILKOY Approach/Radar				YESILKOY Tower		Ground		
128.2	South 120.5	North 121.1	127.82	West 127.1	East 126.42	118.1		121.8	122.32	126.8
LOC ISEF 111.5		Final Apch Crs 354°		GS D3.9 ISEF 1360' (1258')		ILS DA(H) 360' (258')		Apt Elev 163' RWY 102'		
MISSED APCH: Climb STRAIGHT AHEAD to cross IS NDB at or above 1500', then turn LEFT climbing to cross CEK VOR/NDB at 5000' and hold.										
Alt Set: hPa		Rwy Elev: 4 hPa		Trans level: By ATC		Trans alt: 10000'				
MSA IST VOR										



Gnd speed-Kts	70	90	100	120	140	160	HIALS-II		MIM 1500'	IS 396
ILS GS or	372	478	531	637	743	849	REIL PAPI			
LOC Descent Angle 3.00°							PAPI			
MAP at D1.4 ISEF/D0.8 IST										

STRAIGHT-IN LANDING RWY 35L				CIRCLE-TO-LAND			
ILS		LOC (GS out)		Max Kts		MDA(H) VIS	
DA(H) 360' (258')		MDA(H) 550' (448')					
FULL/Limited	ALS out	ALS out					
A		RVR 1500m		100		1100' (937') 3600m	
B				135			
C	RVR 800m	RVR 1300m		180		1100' (937') 4400m	
D			RVR 1700m CMV 2100m	205			

BRIEFING STRIP

ATIS		YESILKOY Approach/Radar				YESILKOY Tower		Ground	
	South		North	West	East				
128.2	120.5	121.1	127.82	127.1	126.42	118.1	121.8	122.32	126.8
LOC IYES 111.3		Final Apch Crs 354°		GS D3.9 IYES 1335' (1235')		ILS DA(H) 313' (213')		Apt Elev 163' RWY 100'	
MISSED APCH: Climb STRAIGHT AHEAD to cross IS NDB at or above 1500, then turn LEFT climbing to cross CEK VOR/NDB at 5000' and hold.									
Alt Set: hPa		Rwy Elev: 4 hPa		Trans level: By ATC			Trans alt: 10000'		
ILS affected by FM radio broadcasting stations.									

180°

3500'

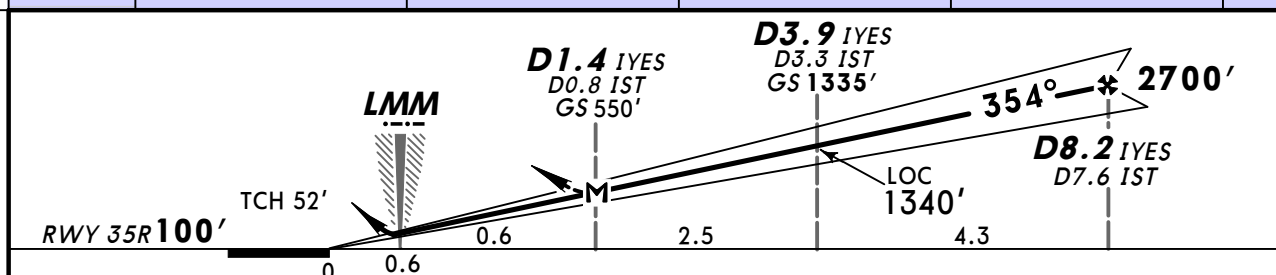
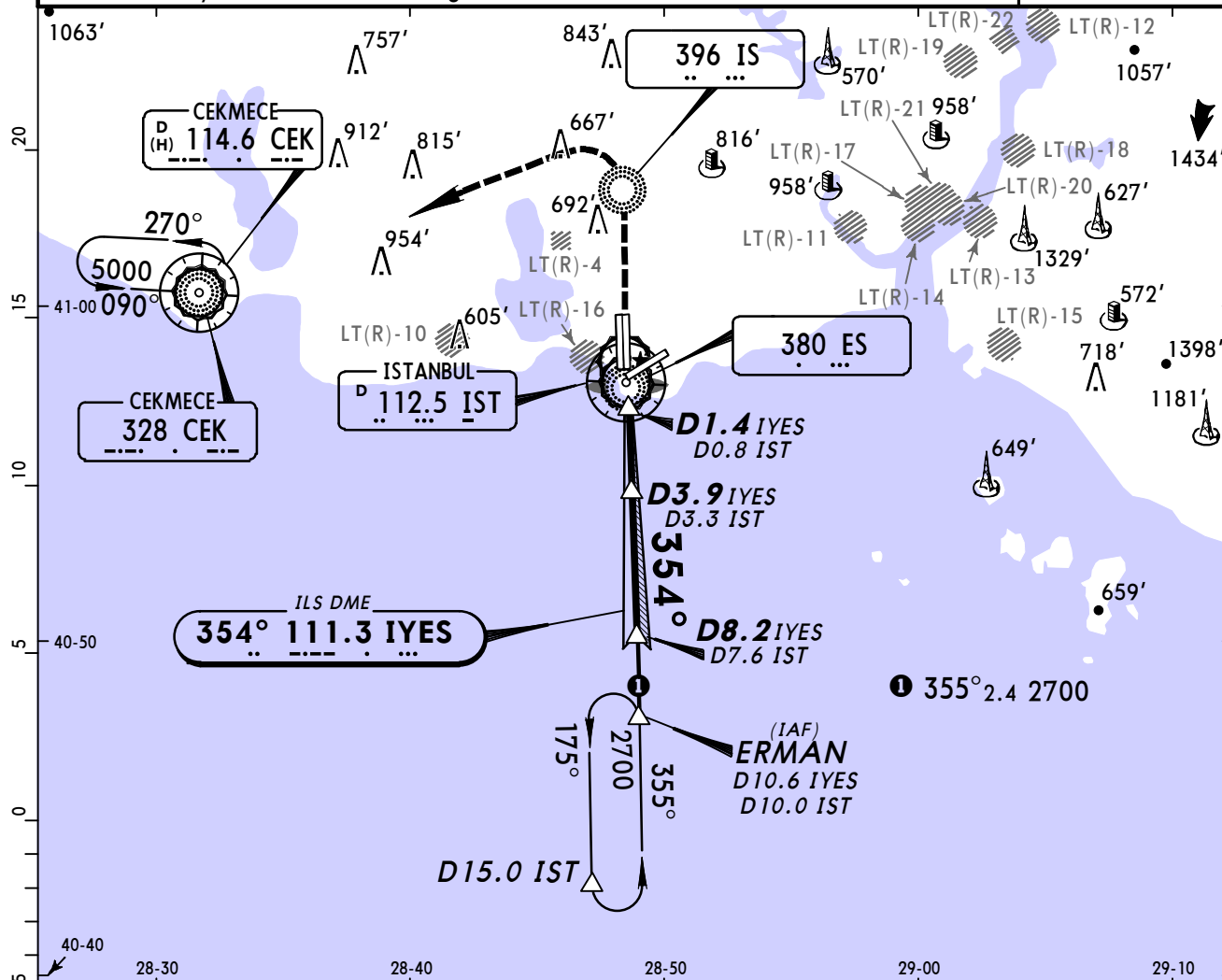
270°

5000'

360°

3000'

MSA IST VOR



Gnd speed-Kts	70	90	100	120	140	160	ALSF-II REIL PAPI PAPI		MIM 1500' ↑	IS 396
ILS GS or LOC Descent Angle 3.00°	372	478	531	637	743	849				
MAP at D1.4 IYES/D0.8 IST										

PANS OPS	STRAIGHT-IN LANDING RWY 35R				CIRCLE-TO-LAND			
	ILS			LOC (GS out)				
	DA(H) 313' (213')			MDA(H) 550' (450')				
	FULL	Limited	ALS out	ALS out		Max Kts	MDA(H)	VIS
	A					100		
B					RVR 1500m	135	1100' (937')	3600m
C	RVR 550m	RVR 750m	RVR 1200m	RVR 1400m		180	1100' (937')	4400m
D					CMV 2100m	205		

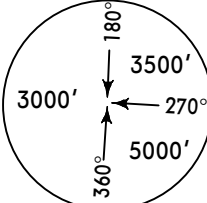
LTBA/IST
ATATURK

30 NOV 12
Eff 13 Dec

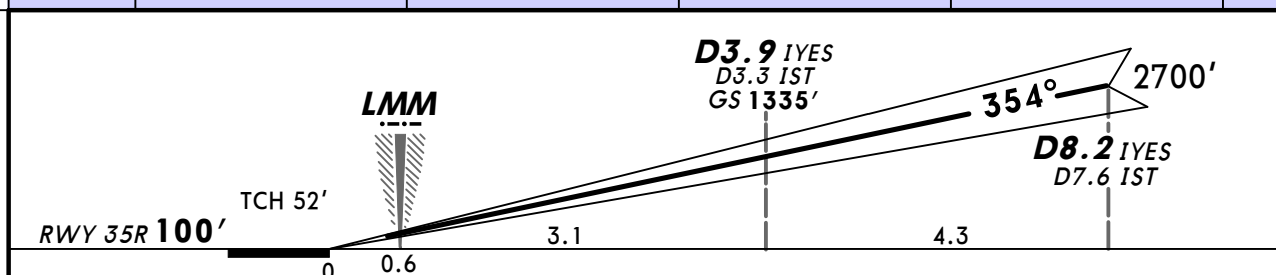
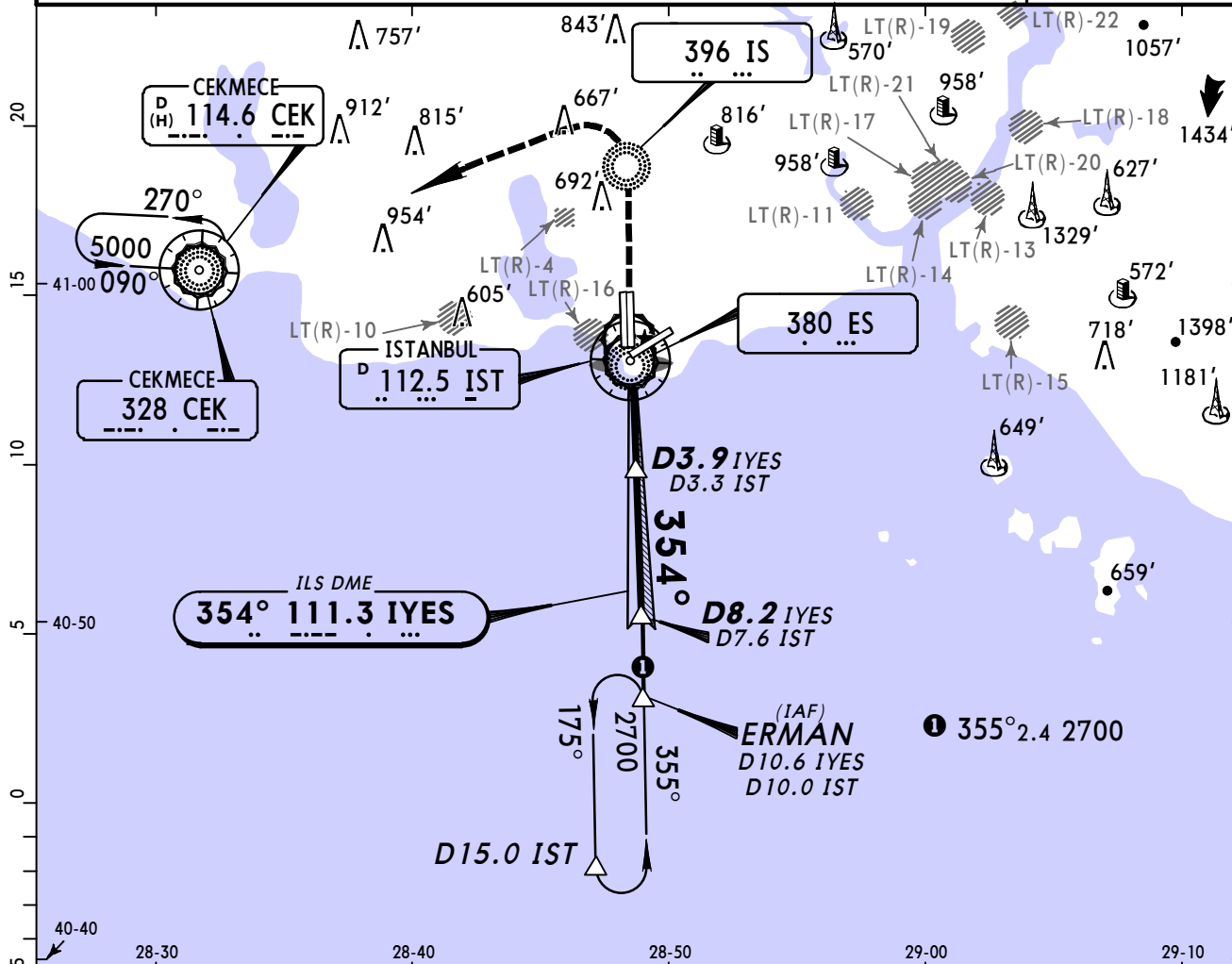
11-6A

ISTANBUL, TURKEY
CAT II ILS DME Rwy 35R

BRIEFING STRIP	ATIS		YESILKOY Approach/Radar				YESILKOY Tower		Ground	
	128.2	South 120.5	North 121.1	West 127.82	127.1	East 126.42	118.1	121.8	122.32	126.8
	LOC IYES 111.3		Final Apch Crs 354°		GS D3.9 IYES 1335' (1235')		CAT II ILS RA 140' DA(H) 230' (130')		Apt Elev 163' RWY 100'	
	MISSED APCH: Climb STRAIGHT AHEAD to cross IS NDB at or above 1500', then turn LEFT climbing to cross CEK VOR/NDB at 5000' and hold.									
	Alt Set: hPa Rwy Elev: 4 hPa Trans level: By ATC Trans alt: 10000' 1. Special Aircrew & Acft Certification Required. 2. ILS affected by FM radio broadcasting stations.									



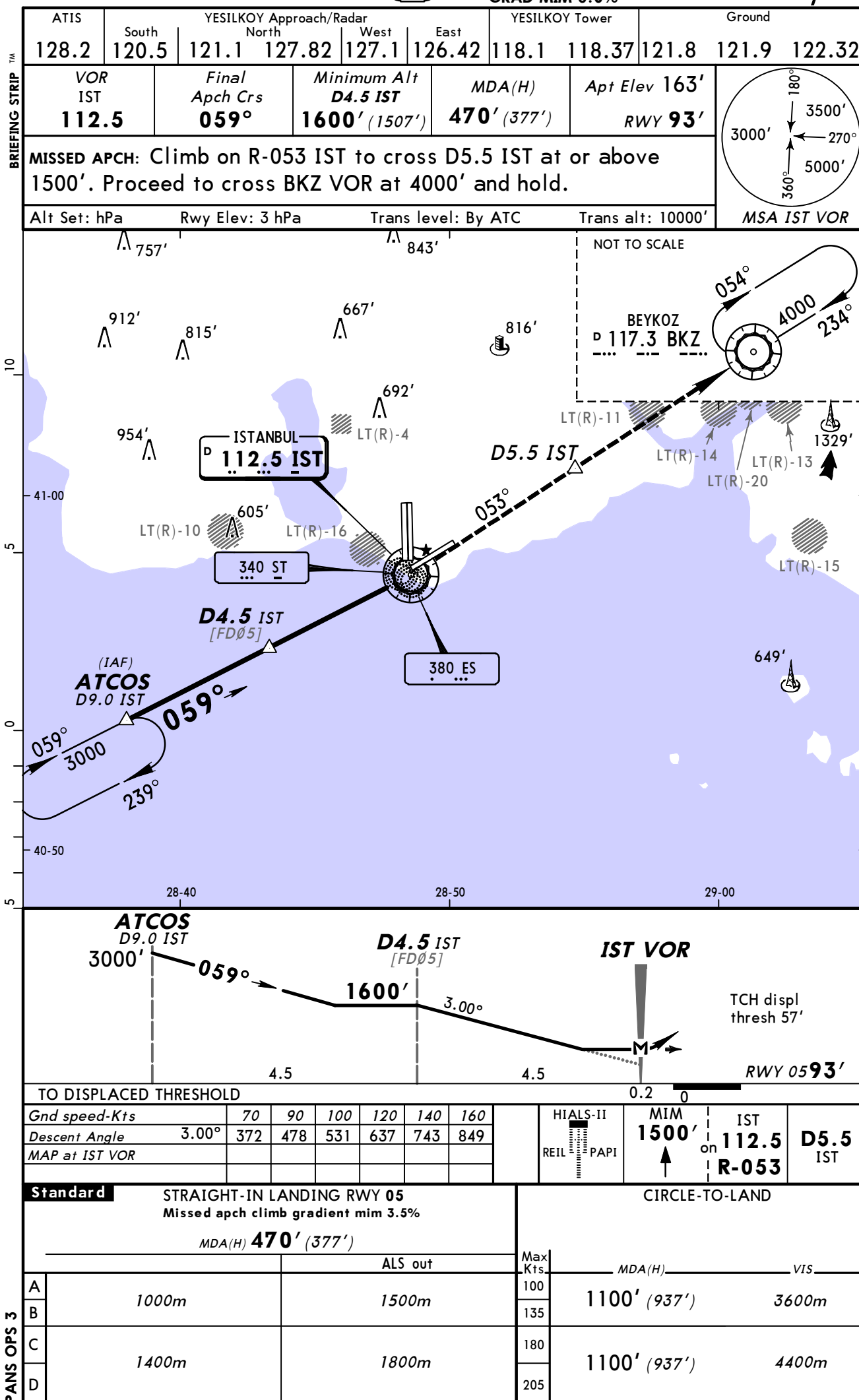
MSA
IST VOR



Gnd speed-Kts	70	90	100	120	140	160	ALSF-II REIL PAPI PAPI		MIM 1500'	IS 396
GS	3.00°	372	478	531	637	743				

Standard STRAIGHT-IN LANDING RWY 35R
CAT II ILS
ABCD
RA 140'
DA(H) 230' (130')

RVR 400m



LTBA/IST
ATATURK

JEPPesen
11 MAR 11 (13-2)

ISTANBUL, TURKEY
MISSED APCH CLIMB
GRAD MIM 3.5%
VOR Rwy 05

BRIEFING STRIP™

ATIS		YESILKOY Approach/Radar					YESILKOY Tower		Ground		
128.2	South 120.5	121.1	North 127.82	West 127.1	East 126.42	118.1	118.37	121.8	121.9	122.32	
VOR IST 112.5		Final Apch Crs 059°		Minimum Alt No FAF		MDA(H) 470' (377')		Apt Elev 163' RWY 93'			
MISSED APCH: Climb on R-053 IST to cross BKZ VOR at 4000' and hold.											
Alt Set: hPa		Rwy Elev: 3 hPa		Trans level: By ATC			Trans alt: 10000'				
Procedure turn restricted to MAX 185 KT.										MSA IST VOR	

180°

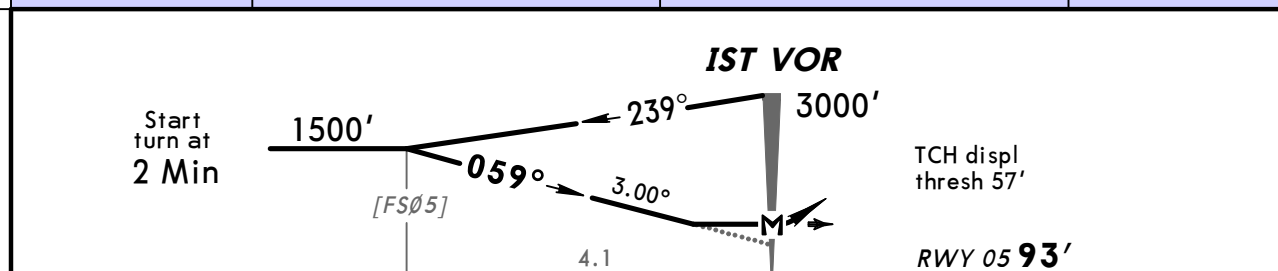
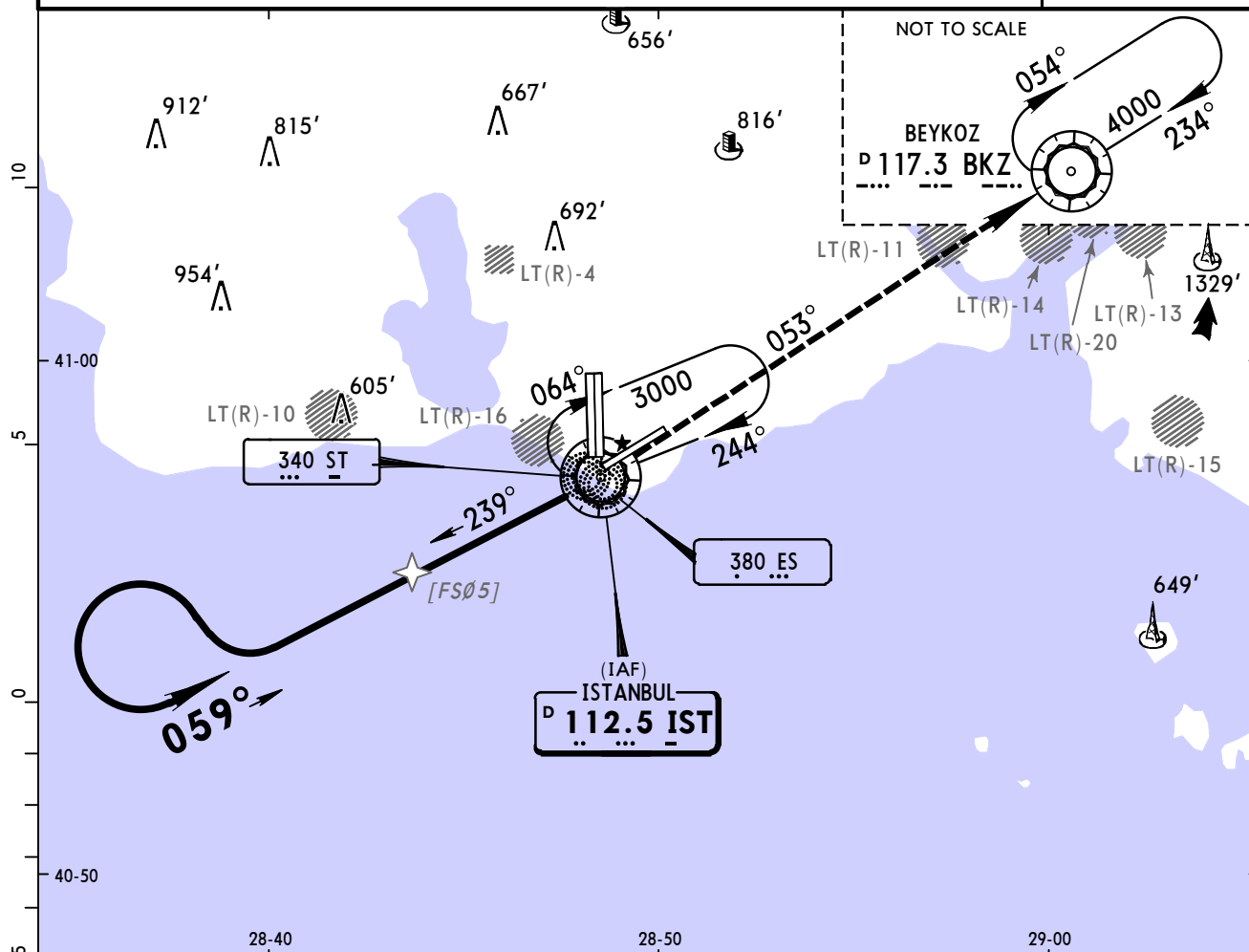
3500'

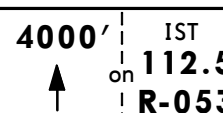
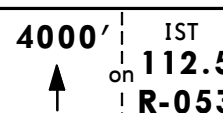
270°

5000'

360°

3000'



TO DISPLACED THRESHOLD								
Gnd speed-Kts	70	90	100	120	140	160		
Descent Angle	3.00°	372	478	531	637	743		
MAP at IST VOR								

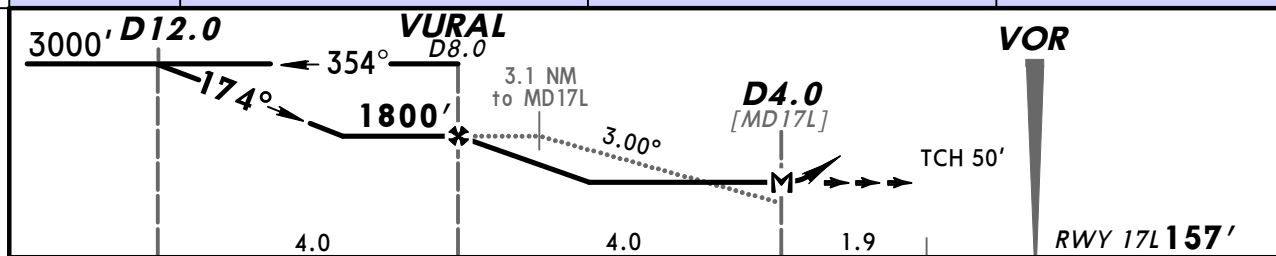
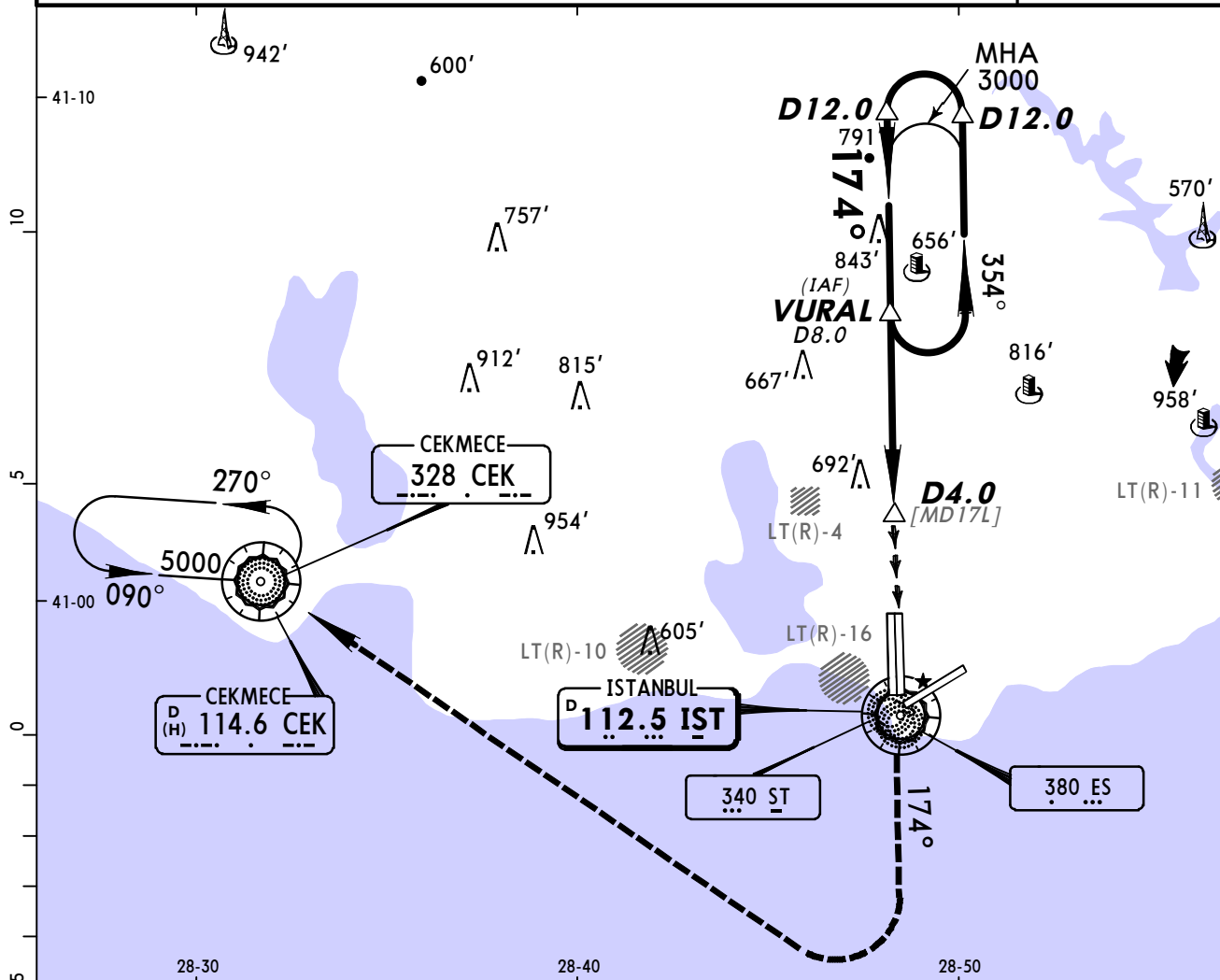
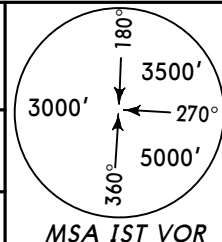
PANS OPS 3	STRAIGHT-IN LANDING RWY 05				CIRCLE-TO-LAND	
	Missed apch climb gradient mim 3.5%					
	CDFA		non-CDFA			
	MDA(H) 470' (377')		MDA(H) 470' (377')			
	ALS out		ALS out			
	Max Kts		Max Kts			
A	1000m	1500m	1200m	1900m	100	1100' (937') 3600m
B					135	
C	1400m	1800m	1400m	2100m	180	1100' (937') 4400m
D					205	

CHANGES: Communications. Descent Angle.

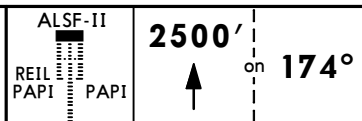
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BRIEFING STRIP™

ATIS		YESILKOY Approach/Radar				YESILKOY Tower		Ground	
128.2	South 120.5	121.1	North 127.82	West 127.1	East 126.42	118.1	121.8	122.32	126.8
VOR IST 112.5		Final Apch Crs 174°		Minimum Alt VURAL 1800' (1643')		MDA(H) 1010' (853')	Apt Elev 163' RWY 157'		
MISSED APCH: Climb on 174° to 2500', then turn RIGHT climbing to cross CEK VOR/NDB at 5000' and hold.								 MSA IST VOR	
Alt Set: hPa		Rwy Elev: 6 hPa		Trans level: By ATC		Trans alt: 10000'			
Racetrack MAX 185 KT.									



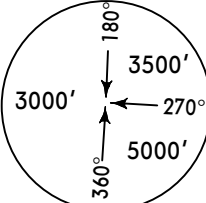
Gnd speed-Kts	70	90	100	120	140	160
Descent Angle 3.00°	372	478	531	637	743	849
MAP at D4.0						

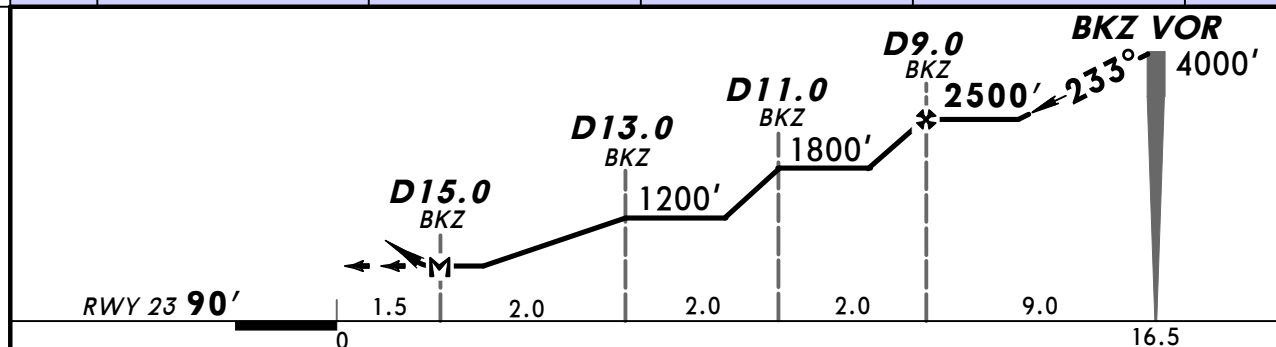
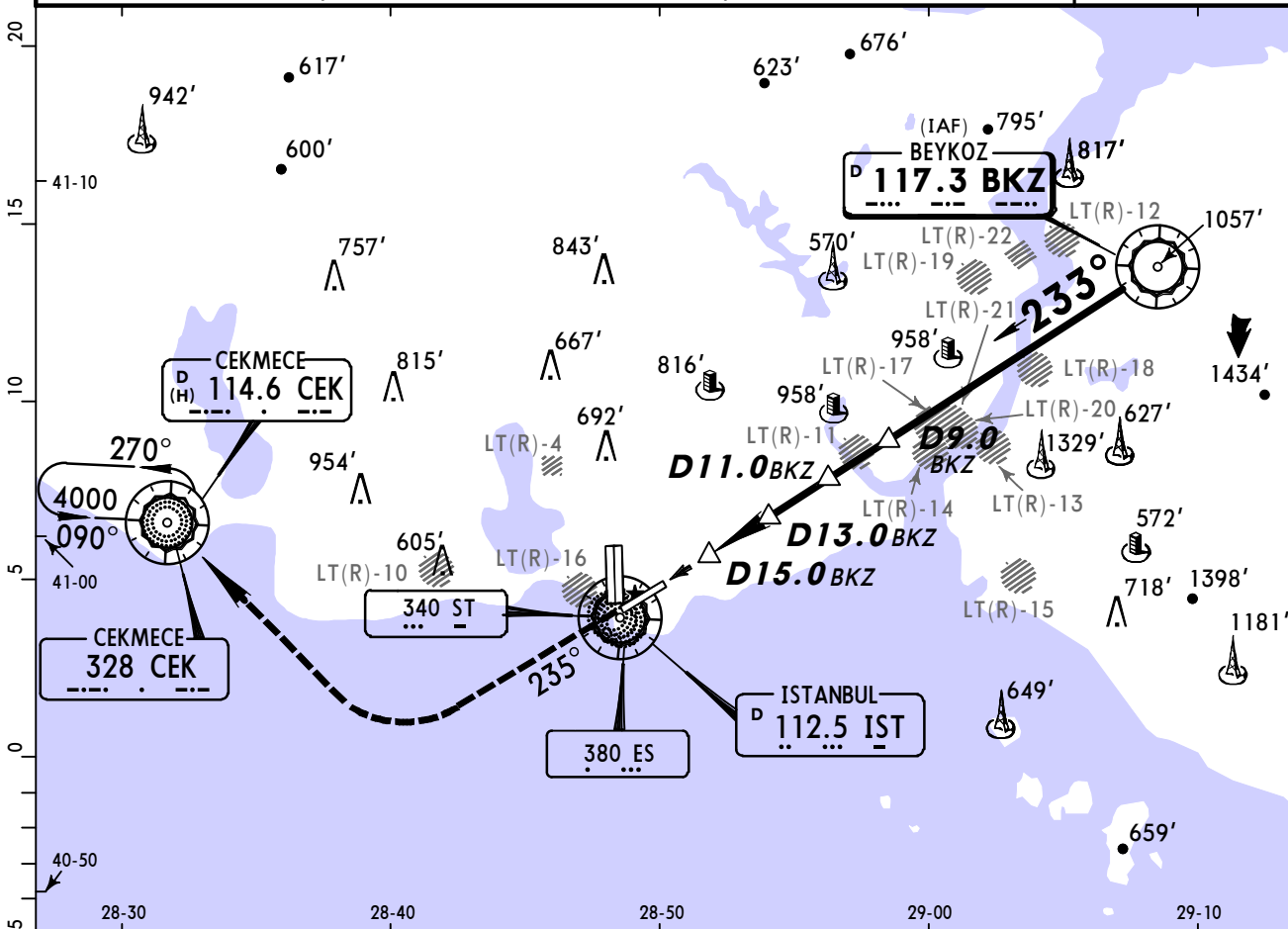


PANS OPS	STRAIGHT-IN LANDING RWY 17L			CIRCLE-TO-LAND	
	MDA(H) 1010' (853')			Max Kts	MDA(H) VIS
	ALS out			100	1100' (937') 3600m
	2700m			135	
	3500m			180	1100' (937') 4400m
	4200m			205	

TM

BRIEFING STRIP

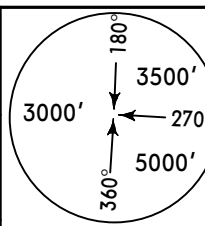
ATIS	South	YESILKOY Approach/Radar				YESILKOY Tower	Ground		
128.2	120.5	121.1	127.82	127.1	126.42	118.1	121.8	122.32	126.8
VOR BKZ 117.3		Final Apch Crs 233°		Minimum Alt D9.0 BKZ 2500' (2410')		MDA(H) 800' (710')	Apt Elev 163' RWY 90'		
MISSED APCH: Climb on 235° to 2500', then turn RIGHT climbing to cross CEK VOR/NDB at 4000' and hold.								 MSA 1ST VOR	
Alt Set: hPa		Rwy Elev: 3 hPa		Trans level: By ATC		Trans alt: 10000'			

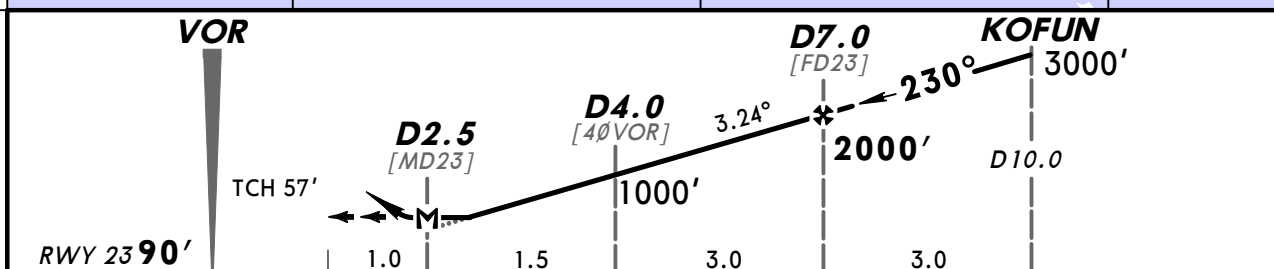
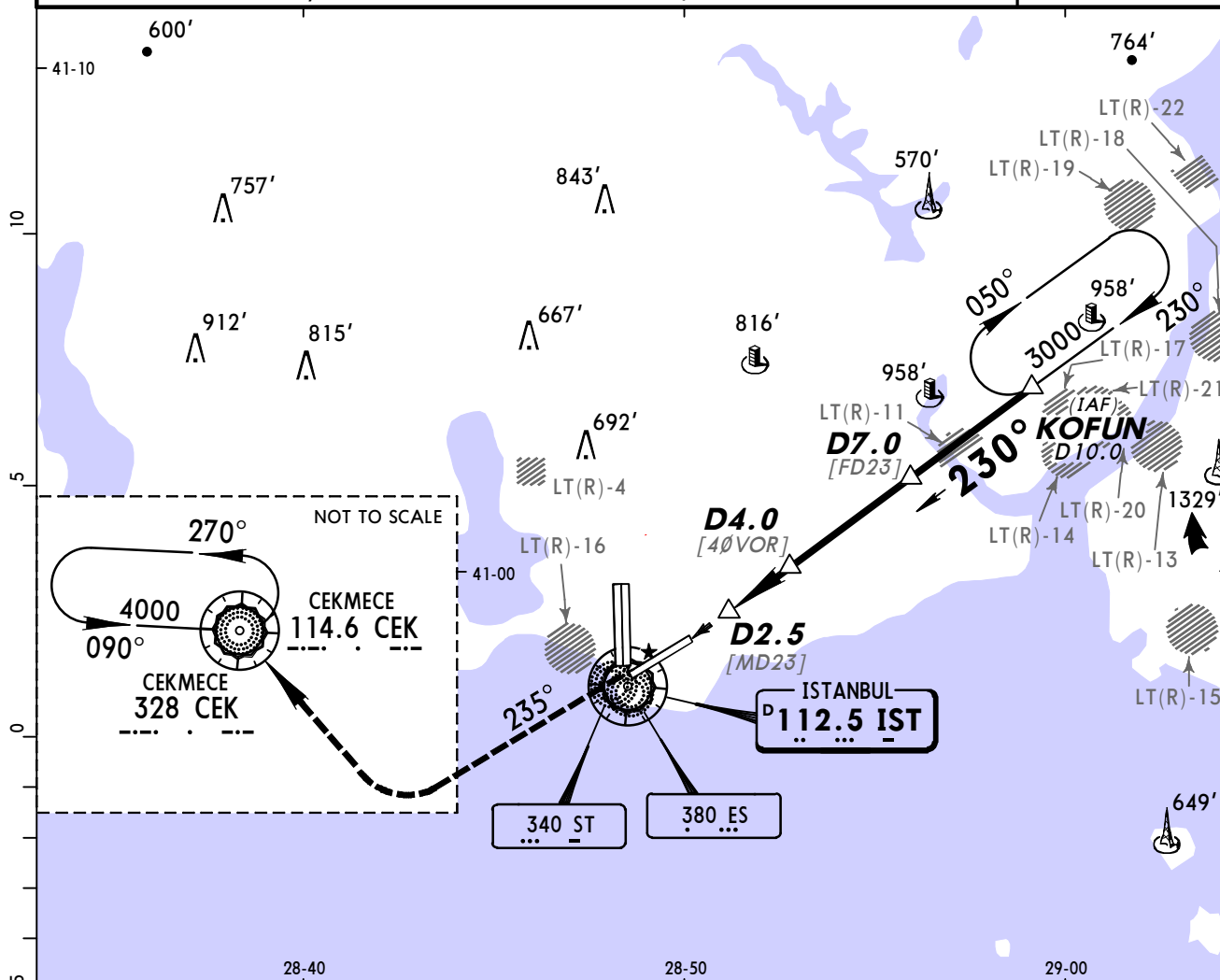


MAP at D15.0 BKZ					HIALS-II		2500' on 235°	
					REIL			
					PAPI			

PANS OPS	STRAIGHT-IN LANDING RWY 23			CIRCLE-TO-LAND		
	MDA(H) 800' (710')			Max Kts	MDA(H)	VIS
	ALS out			100	1100' (937')	3600m
				135		
				180	1100' (937')	4400m
A				205		
B	3100m					
C						
D	3300m					

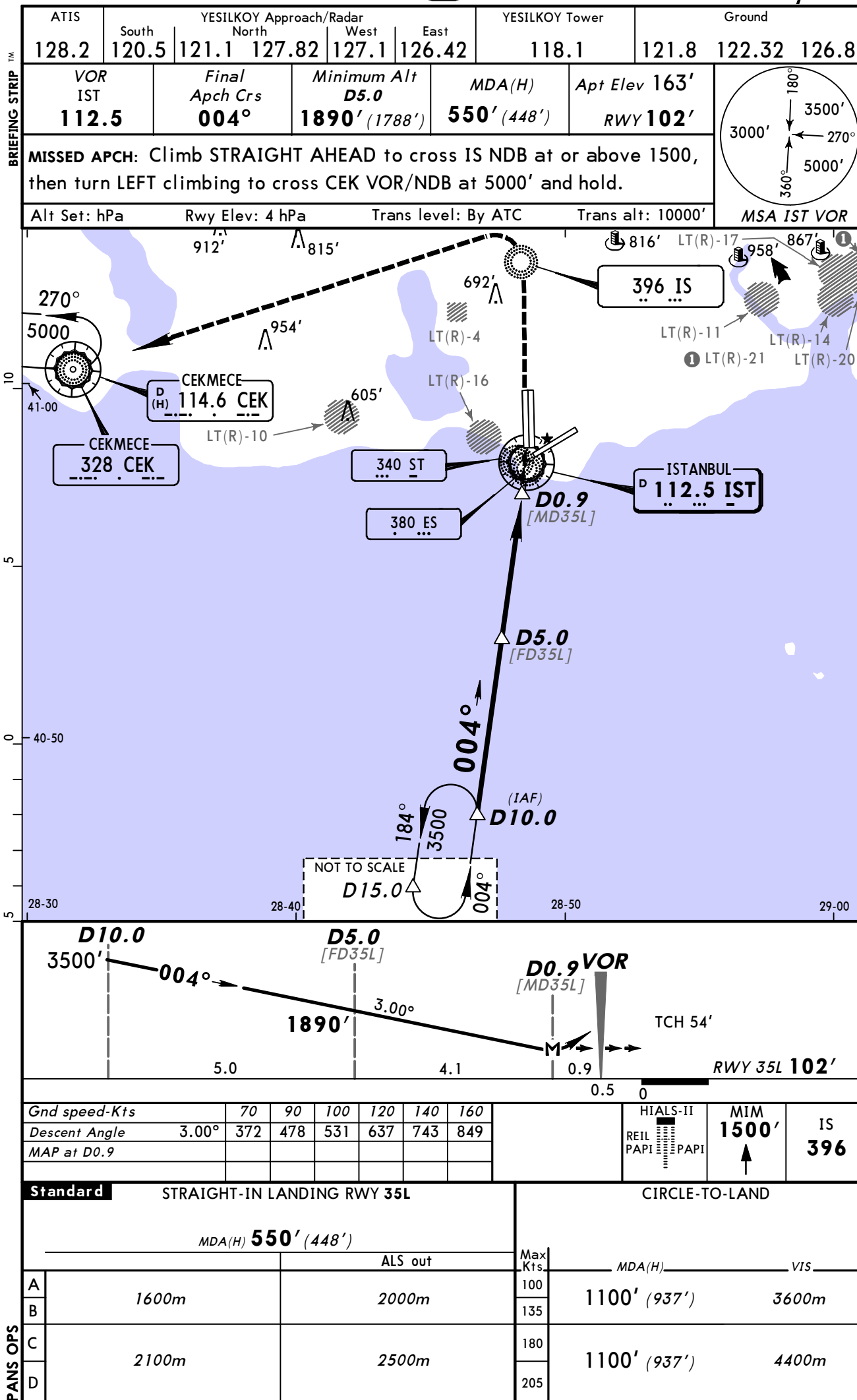
BRIEFING STRIP

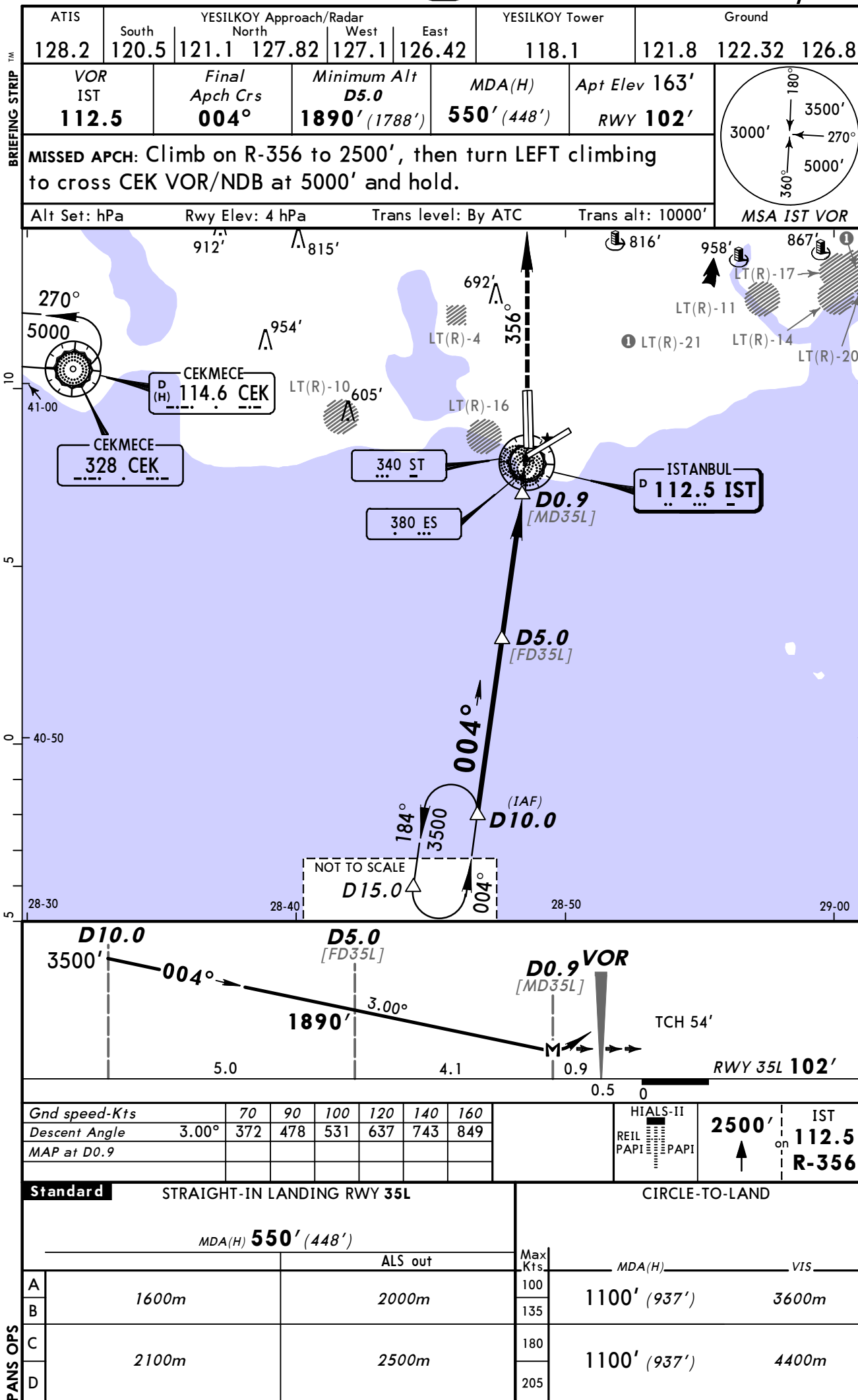
ATIS		YESILKOY Approach/Radar					YESILKOY Tower		Ground		
128.2	South	120.5	North	121.1	127.82	West	East	118.1	121.8	122.32	126.8
VOR IST 112.5		Final Apch Crs 230°		Minimum Alt D7.0 2000' (1910')		MDA(H) 710' (620')		Apt Elev 163' RWY 90'			
MISSED APCH: Climb on 235° to 2500', then turn RIGHT climbing to cross CEK VOR/NDB at 4000' and hold.											
Alt Set: hPa		Rwy Elev: 3 hPa		Trans level: By ATC		Trans alt: 10000'		MSA IST VOR			

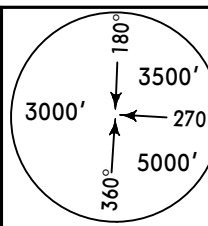


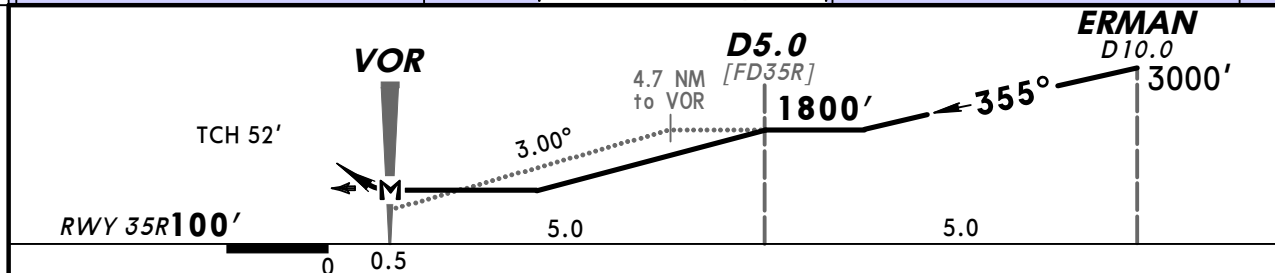
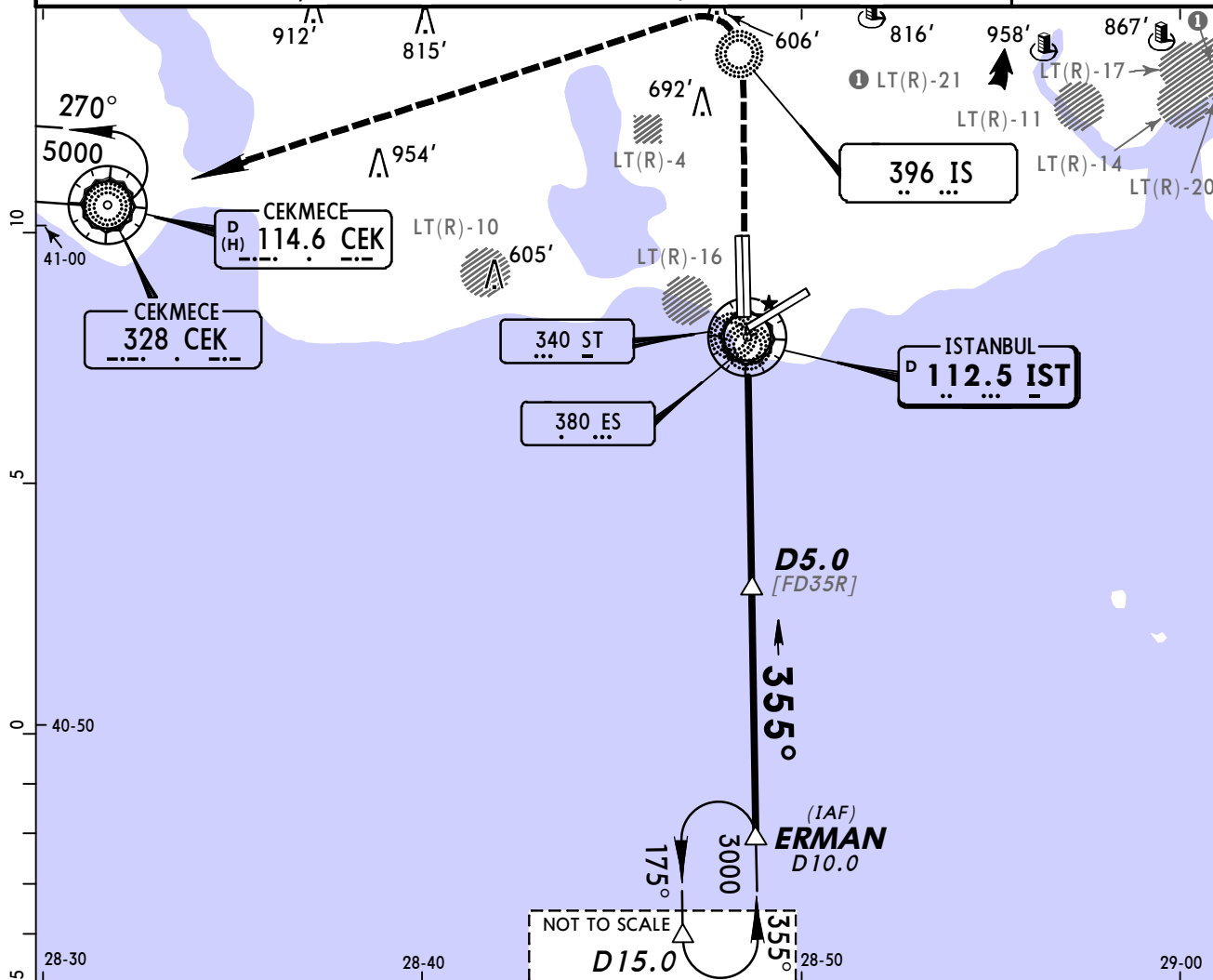
Gnd speed-Kts	70	90	100	120	140	160	HIALS-II REIL PAPI	2500' ↑ on 235°
Descent Angle 3.24°	401	516	573	688	803	917		
MAP at D2.5								

Standard STRAIGHT-IN LANDING RWY 23						CIRCLE-TO-LAND			
MDA(H) 710' (620')						MDA(H)		VIS	
ALS out						Max Kts			
						100		1100' (937')	3600m
						135			
						180		1100' (937')	4400m
						205			





BRIEFING STRIP	ATIS	YESILKOY Approach/Radar					YESILKOY Tower	Ground		
	128.2	South 120.5	North 121.1	West 127.82	East 127.1	126.42	118.1	121.8	122.32	126.8
	VOR IST 112.5	Final Apch Crs 355°	Minimum Alt D5.0 1800' (1700')	MDA(H) 550' (450')	Apt Elev 163' RWY 100'					
	MISSED APCH: Climb STRAIGHT AHEAD to cross IS NDB at or above 1500', then turn LEFT climbing to cross CEK VOR/NDB at 5000' and hold.									
	Alt Set: hPa		Rwy Elev: 4 hPa		Trans level: By ATC		Trans alt: 10000'		MSA IST VOR	

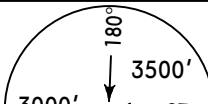


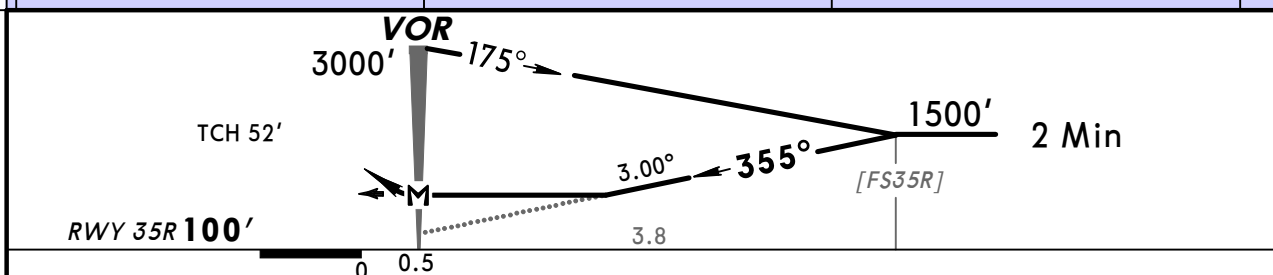
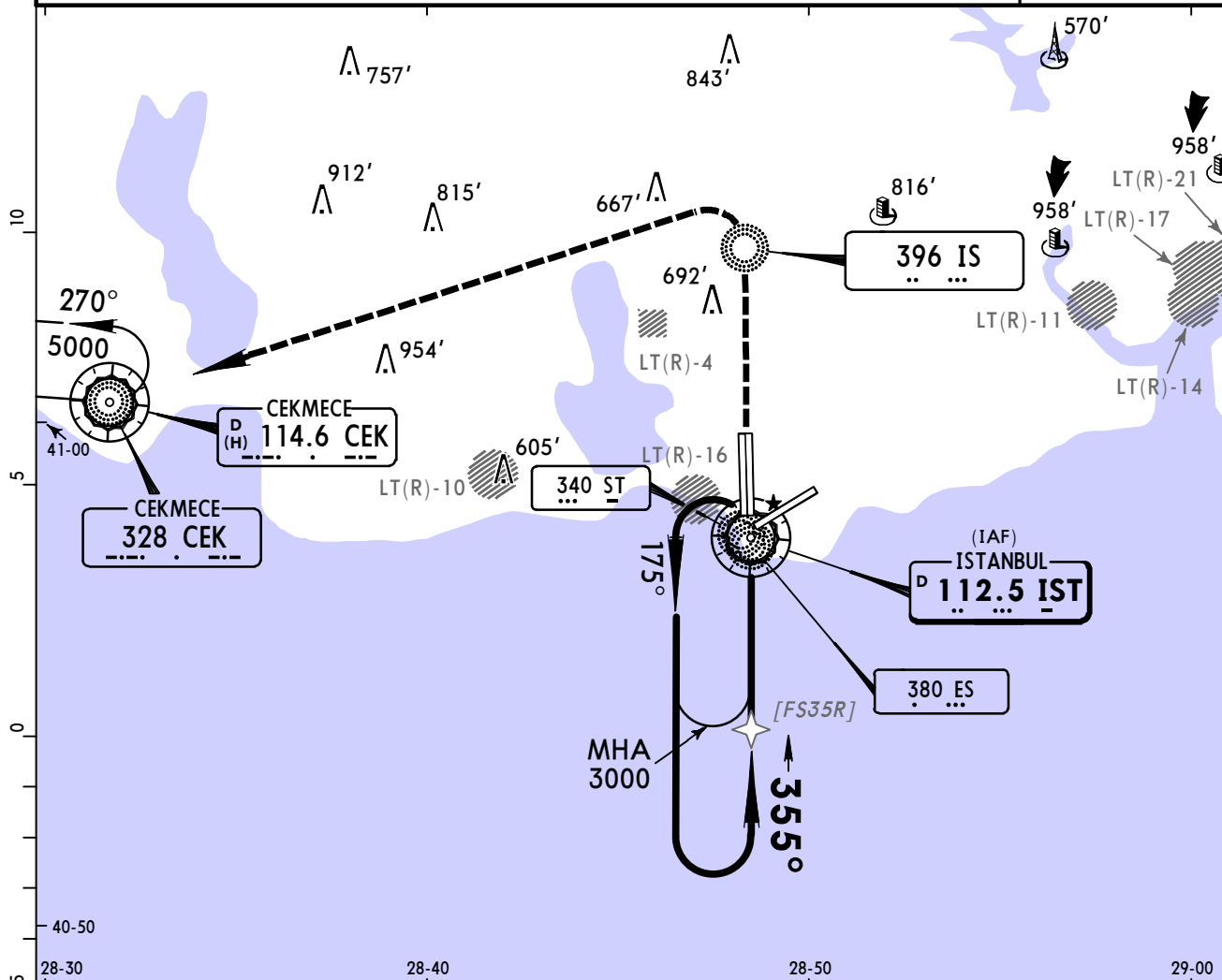
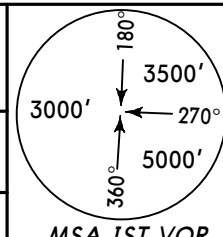
Gnd speed-Kts	70	90	100	120	140	160	ALSF-II		MIM	IS
Descent Angle	3.00°	372	478	531	637	743	849	REIL	1500'	396
MAP at VOR								PAPI		

PANS OPS	STRAIGHT-IN LANDING RWY 35R				CIRCLE-TO-LAND			
	MDA(H) 550' (450')							
	ALS out				Max Kts	MDA(H)		VIS
					100	1100' (937')		3600m
					135			
					180	1100' (937')		4400m
					205			

BRIEFING STRIP

TH

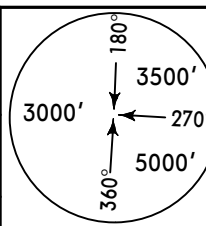
ATIS		YESILKOY Approach/Radar					YESILKOY Tower		Ground		
128.2	South 120.5	121.1	North 127.82	West 127.1	East 126.42	118.1		121.8	122.32	126.8	
VOR IST 112.5		Final Apch Crs 355°		Minimum Alt No FAF		MDA(H) 550' (450')		Apt Elev 163' RWY 100'			
MISSED APCH: Climb STRAIGHT AHEAD to cross IS NDB at or above 1500, then turn LEFT climbing to cross CEK VOR/NDB at 5000' and hold.										 MSA IST VOR	
Alt Set: hPa Rwy Elev: 4 hPa Trans level: By ATC Trans alt: 10000'											
Racetrack MAX 185 KT.											

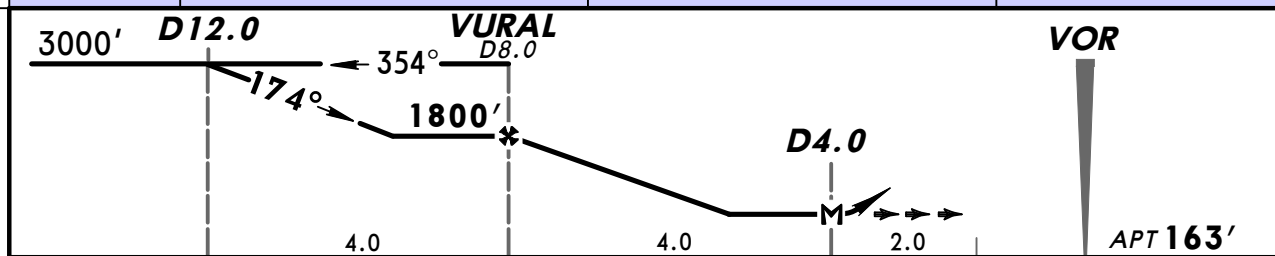


Gnd speed-Kts	70	90	100	120	140	160	ALSF-II		MIM	IS
Descent Angle	3.00°	372	478	531	637	743	REIL	PAPI	1500'	396
MAP at VOR										

PANS OPS	STRAIGHT-IN LANDING RWY 35R				CIRCLE-TO-LAND	
	CDFA		non-CDFA		Max Kts	
	MDA(H) 550' (450')		MDA(H) 550' (450')			
	ALS out		ALS out			
A	1400m	1800m	1600m	2300m	100	1100' (937') 3600m
B					135	
C	1600m	2300m	1800m	2500m	180	1100' (937') 4400m
D					205	

BRIEFING STRIP™

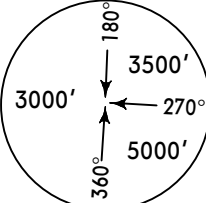
ATIS		YESILKOY Approach/Radar					YESILKOY Tower		Ground		
128.2	South 120.5	121.1	North 127.82	West 127.1	East 126.42	118.1		121.8	122.32	126.8	
VOR IST 112.5		Final Apch Crs 174°		Minimum Alt VURAL 1800' (1637')		MDA(H) 1100' (937')		Apt Elev 163'			
MISSED APCH: Climb on 174° to 2500', then turn RIGHT climbing to cross CEK VOR/NDB at 5000' and hold.											
Alt Set: hPa		Apt Elev: 6 hPa		Trans level: By ATC			Trans alt: 10000'			MSA IST VOR	
Racetrack MAX 185 KT.											

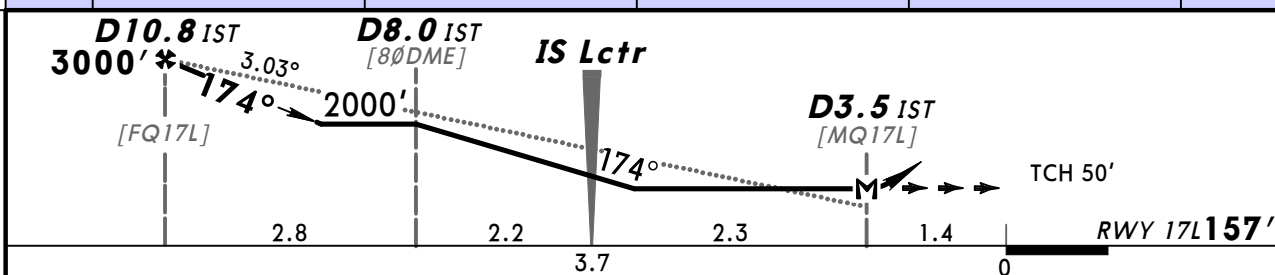
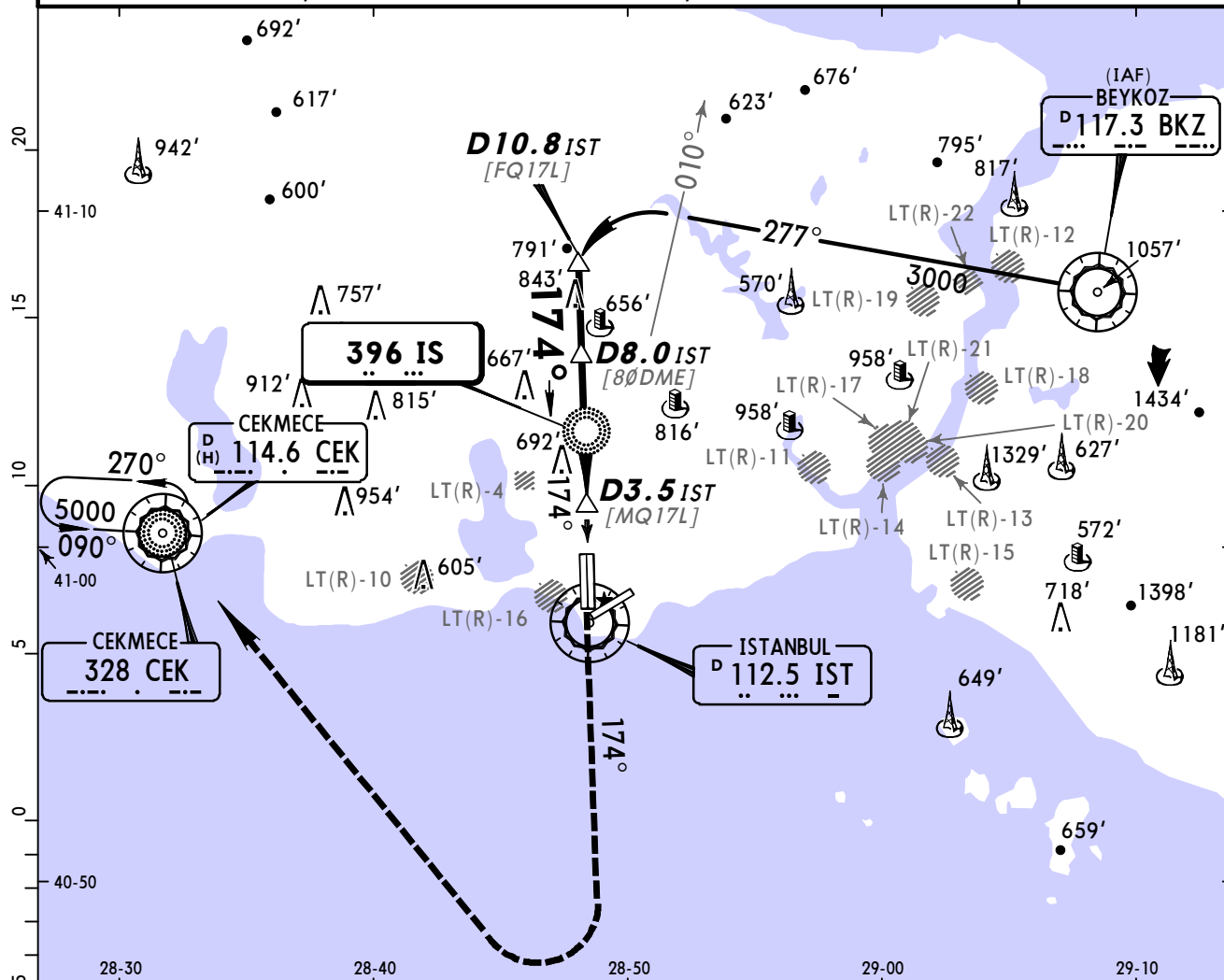


						Lighting - Refer to Airport Chart	2500' on 174°
MAP at D4.0							

Standard						STRAIGHT-IN LANDING		CIRCLE-TO-LAND	
PANS OPS	A					Max Kts	MDA(H)	VIS	
	B					100	1100' (937')	3600m	
	C					135			
	D					180	1100' (937')	4400m	

BRIEFING STRIP

ATIS	YESILKOY Approach/Radar					YESILKOY Tower	Ground		
128.2	South 120.5	North 121.1	127.82	West 127.1	East 126.42	118.1	121.8	122.32	126.8
NDB IS 396		Final Apch Crs 174°		Minimum Alt D10.7 IST 3000' (2843')		MDA(H) 1010' (853')		Apt Elev 163' RWY 157'	
MISSED APCH: Climb on 174° from IS NDB to 2500', then turn RIGHT climbing to cross CEK VOR/NDB at 5000' and hold.									
Alt Set: hPa		Rwy Elev: 6 hPa		Trans level: By ATC		Trans alt: 10000'		MSA IST VOR	



Gnd speed-Kts	70	90	100	120	140	160			2500' on 174°	
Descent Angle	3.03°	375	482	536	643	750				
MAP at D3.5 IST										

PANS OPS	Standard STRAIGHT-IN LANDING RWY 17L			CIRCLE-TO-LAND		
	MDA(H) 1010' (853')					
	ALS out			Max Kts	MDA(H)	VIS
				100	1100' (937')	3600m
				135		
A	2700m			180	1100' (937')	4400m
B	3500m			205		
C						
D						

ISTANBUL, (ATATURK - LTBA)

TERMINAL CHART CHANGE NOTICES

No Chart Change Notices for Airport LTBA