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Airport Information For LTBS

Terminal Charts For LTBS

Revision Letter For Cycle 13-2014

Change Notices

Notebook

General Information

Location: Mugla Tur
IATA Code: DLM
Lat/Long: N36° 42.7' E028° 47.5'
Elevation: 20 ft

Airport Use: Public
Magnetic Variation: 4.5°E

Fuel Types: 100 Octane (LL), Jet A-1
Customs: Yes
Airport Type: IFR
Landing Fee: Yes
Control Tower: Yes
Jet Start Unit: No
LLWS Alert: No
Beacon: Yes

Sunrise: 0247 Z
Sunset: 1727 Z,

Runway Information

Runway: 01
Length x Width: 9843 ft x 148 ft
Surface Type: concrete
TDZ-Elev: 11 ft
Lighting: Edge, ALS, Centerline, REIL, TDZ
Stopway: 197 ft

Runway: 19
Length x Width: 9843 ft x 148 ft
Surface Type: concrete
TDZ-Elev: 20 ft
Lighting: Edge, ALS, Centerline, REIL
Stopway: 197 ft

Communication Information

ATIS 127.35
Dalaman Tower 128.9
Dalaman Tower 118.5
Dalaman Tower 25.78 Military
Dalaman Ground Control 121.9
Dalaman Approach Control 126.05
Dalaman Approach Control 124.4
Dalaman Approach Control 122.4
Dalaman Approach Control 119.225

Dalaman Approach Control 36.23 Military

1. GENERAL

- 1.1. ATIS**
ATIS 127.35

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. Then, descending 12,000' proceed to DAL VOR. Descend to 4000' over DAL VOR and execute Instrument Approach Procedure (IAP) and land.

2.1.2. RF FOR IFR FLIGHTS INSIDE TMA

If available, call Dalaman APP telephone number +90 252 792 5291 ext: 3522 or 3524.

ACFT at or above 12,000'

Select transponder code 7600. For 3 minutes execute last assigned and acknowledged ATC instructions. Then, descending 12,000' proceed to DAL VOR. Descend to 4000' over DAL VOR and execute Instrument Approach Procedure (IAP) and land.

ACFT below 12,000', at or above 4000'

Select transponder code 7600. Proceed to DAL VOR, descend or maintain last assigned and acknowledged altitude. Descend to 4000' over DAL VOR and execute Instrument Approach Procedure (IAP) and land.

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

ACFT below 4000'

Select transponder code 7600. Execute to Instrument Approach Procedure (IAP) 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.)".

3. DEPARTURE

3.1. GNSS BASED RNAV SIDS

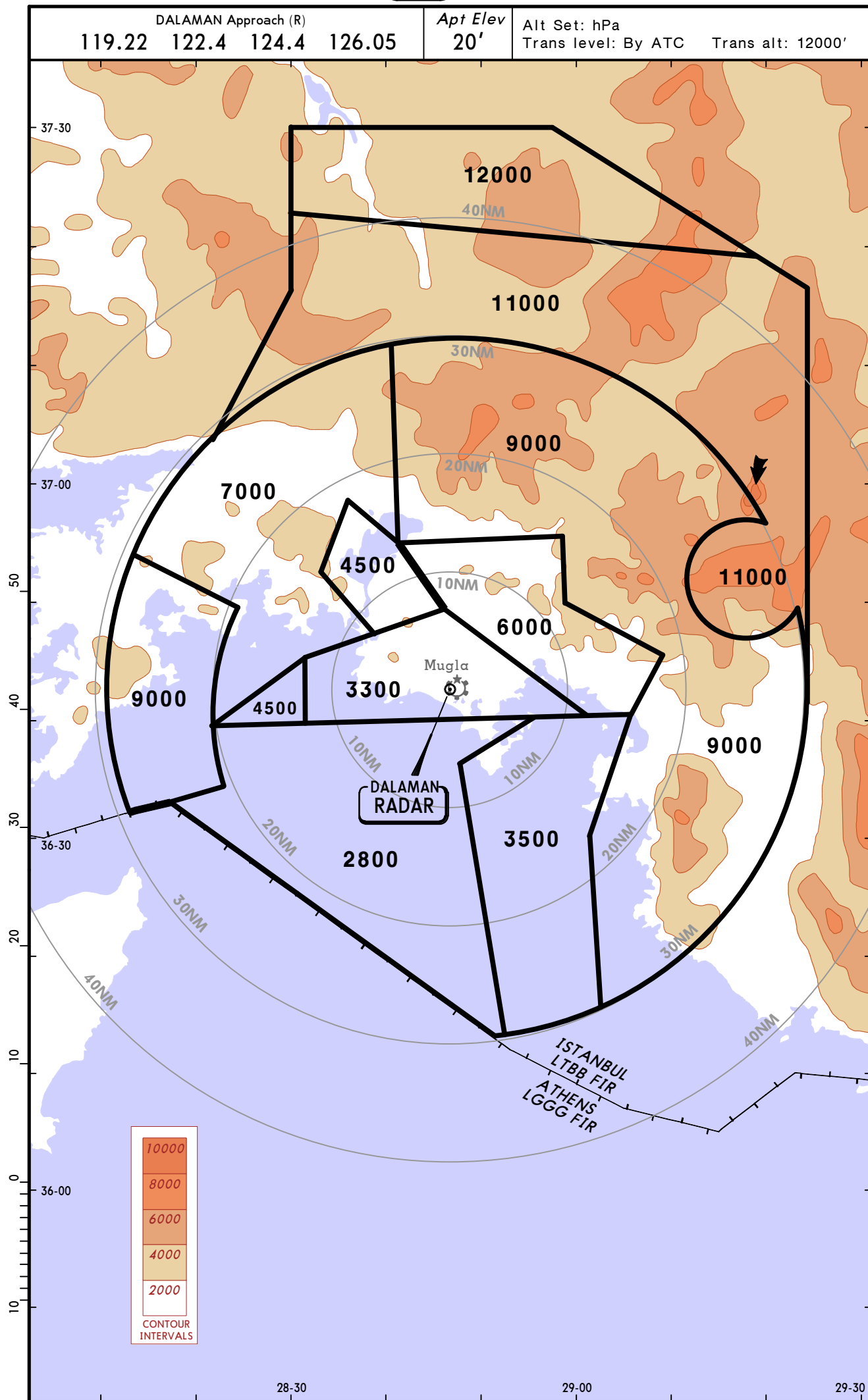
When a departing ACFT on a SID is cleared to climb to an altitude/FL higher than the initially cleared altitude/FL or the altitudes/FLs specified in a SID, the ACFT shall follow the published vertical profile of a SID, unless such restrictions are explicitly cancelled by ATC.

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.)".

LTBS/DLM
DALAMAN

JEPPESEN
28 FEB 14 10-1R

MUGLA, TURKEY
Eff 6 Mar RADAR MINIMUM ALTITUDES



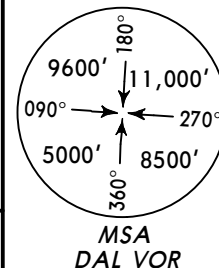
CHANGES: Sectors established.

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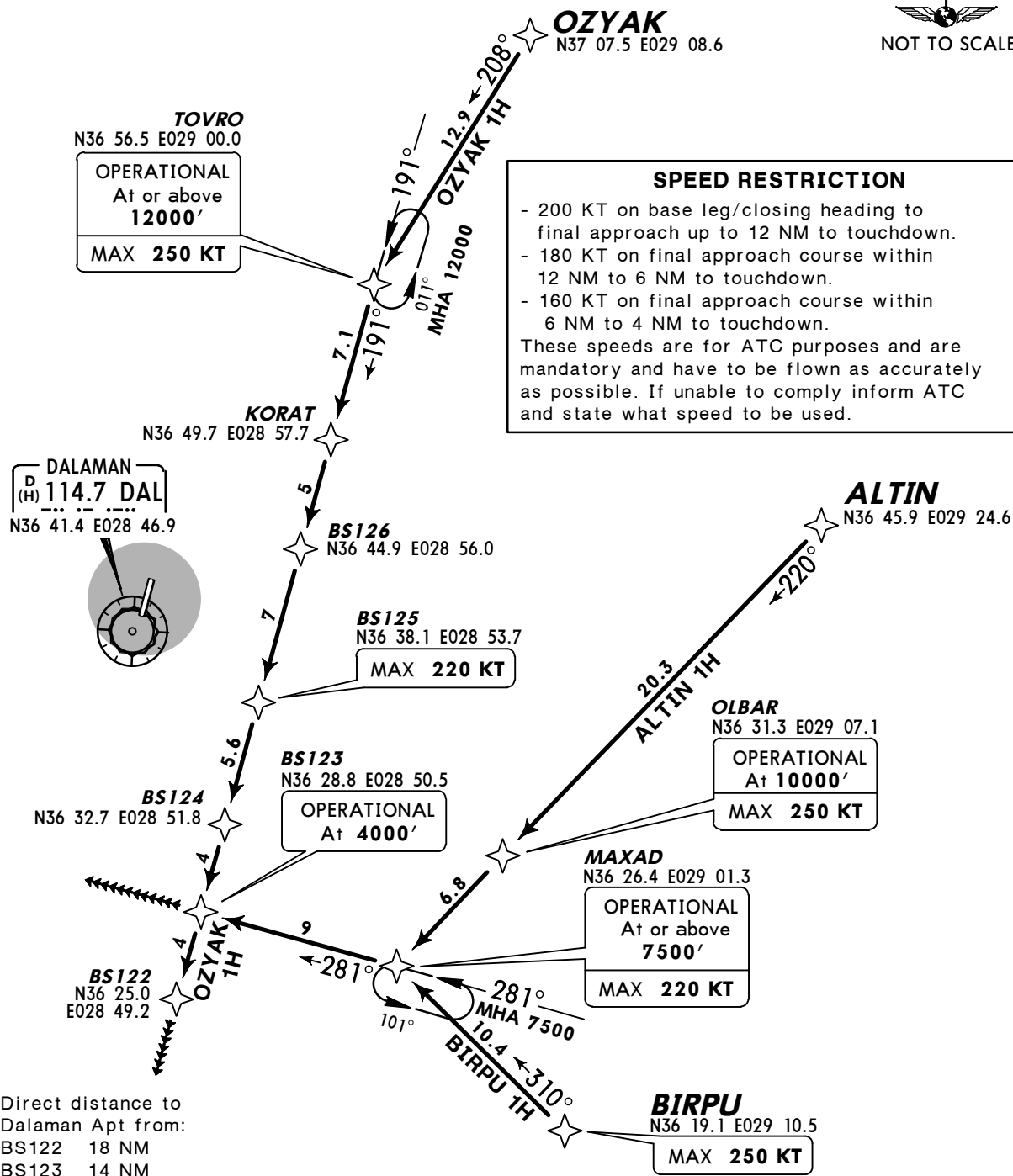
ATIS
127.35Apt Elev
20'

Alt Set: hPa Trans level: By ATC Trans alt: 12000'

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



ALTIN 1H [ALTI1H]
BIRPU 1H [BIRP1H]
OZYAK 1H [OZYA1H]
RWY 01 RNAV ARRIVALS
RNAV (GNSS)



STAR

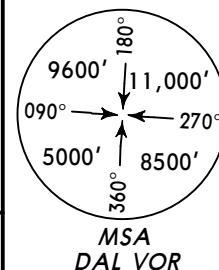
ROUTING

ALTIN 1H	ALTIN - OLBAR (OPERATIONAL 10000'; K250-) - MAXAD (OPERATIONAL 7500'+; K220-) - BS123 (OPERATIONAL 4000').
BIRPU 1H	BIRPU (K250-) - MAXAD (OPERATIONAL 7500'+; K220-) - BS123 (OPERATIONAL 4000').
OZYAK 1H	OZYAK - TOVRO (OPERATIONAL 12000'+; K250-) - KORAT - BS126 - BS125 (K220-) - BS124 - BS123 (OPERATIONAL 4000') - BS122.

ATIS
127.35Apt Elev
20'

Alt Set: hPa Trans level: By ATC Trans alt: 12000'

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

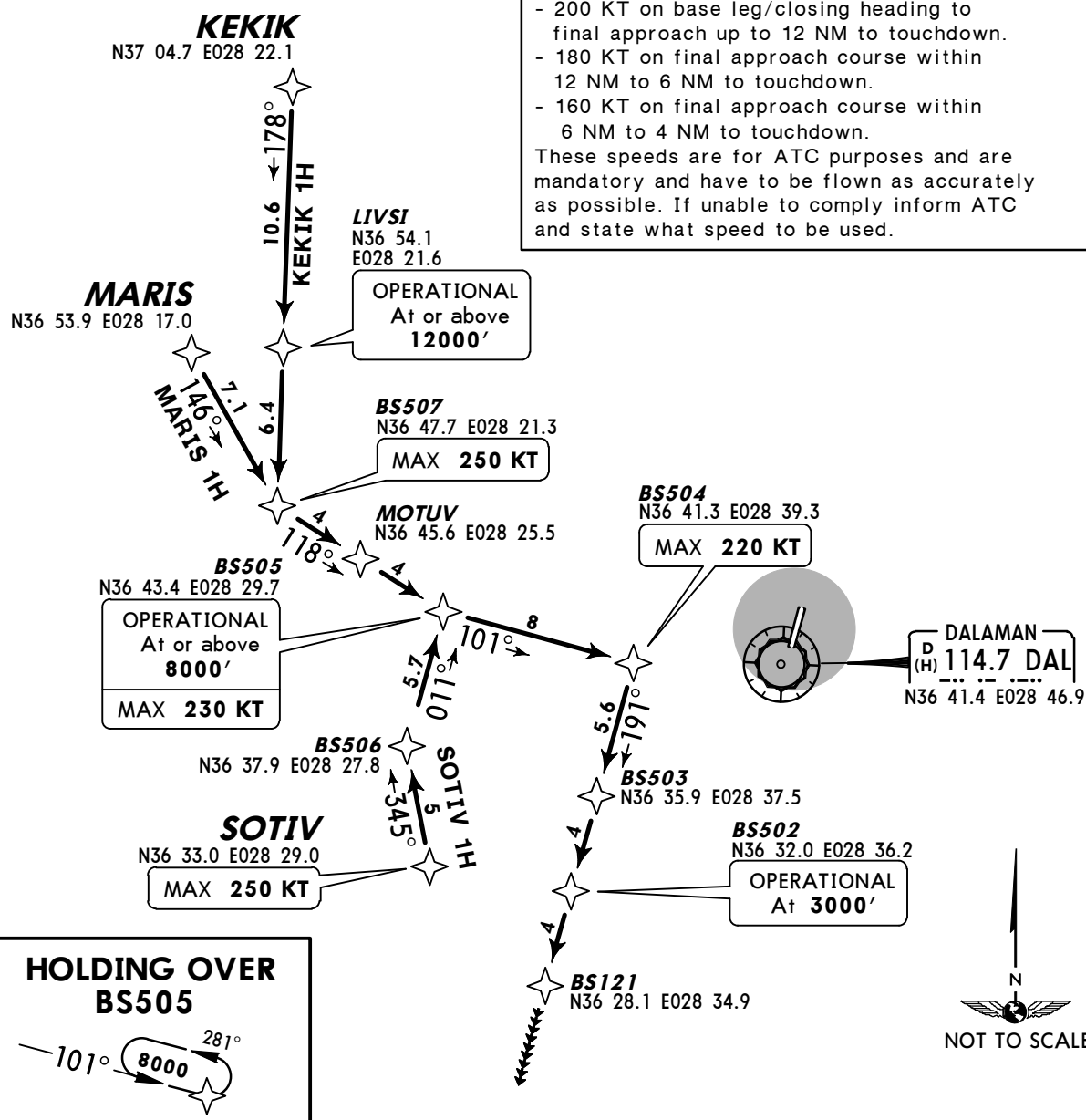
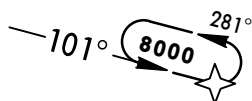


KEKIK 1H [KEKI1H]
MARIS 1H [MARI1H]
SOTIV 1H [SOTI1H]
RWY 01 RNAV ARRIVALS
RNAV (GNSS)

SPEED RESTRICTION

- 200 KT on base leg/closing heading to final approach up to 12 NM to touchdown.
- 180 KT on final approach course within 12 NM to 6 NM to touchdown.
- 160 KT on final approach course within 6 NM 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.

**HOLDING OVER
BS505**

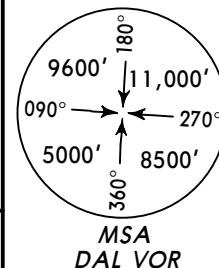
Direct distance to Dalaman Apt from:
BS121 18 NM

STAR	ROUTING
KEKIK 1H	KEKIK - LIVSI (OPERATIONAL 12000'+) - BS507 (K250-) - MOTUV - BS505 (OPERATIONAL 8000'+; K230-) - BS504 (K220-) - BS503 - BS502 (OPERATIONAL 3000') - BS121.
MARIS 1H	MARIS - BS507 (K250-) - MOTUV - BS505 (OPERATIONAL 8000'+; K230-) - BS504 (K220-) - BS503 - BS502 (OPERATIONAL 3000') - BS121.
SOTIV 1H	SOTIV (K250-) - BS506 - BS505 (OPERATIONAL 8000'+; K230-) - BS504 (K220-) - BS503 - BS502 (OPERATIONAL 3000') - BS121.

ATIS
127.35

Apt Elev
20'

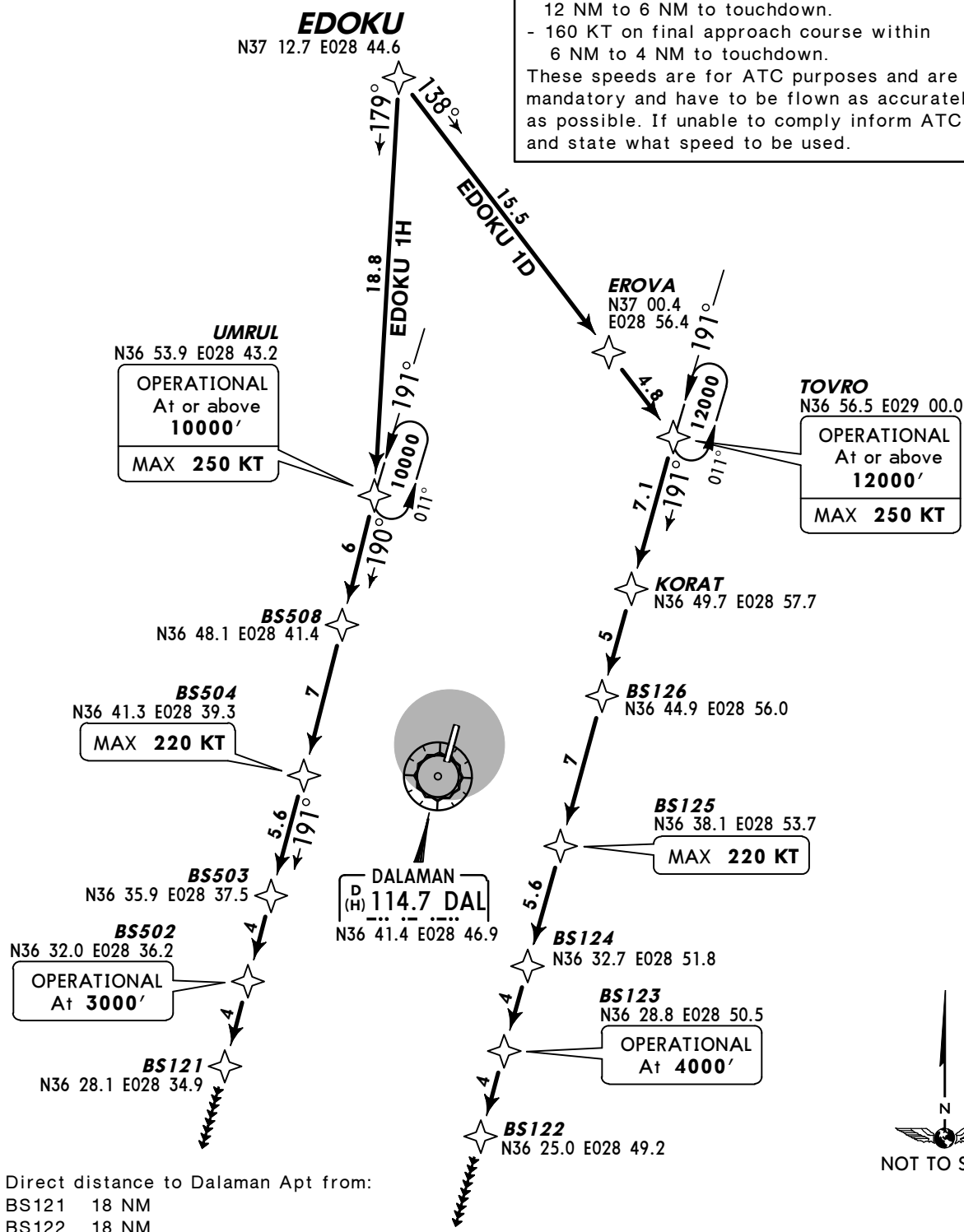
Alt Set: hPa Trans level: By ATC Trans alt: 12000'
1. RADAR required.
2. P-RNAV approval required otherwise advice ATC.
3. On downwind expect vectors to final.
4. At first contact with Dalaman APP report if unable to comply RNAV STAR.
5. Descend as cleared.



**EDOKU 1D [EDOK1D]
EDOKU 1H [EDOK1H]
RWY 01 RNAV ARRIVALS
RNAV (GNSS)**

SPEED RESTRICTION

- 200 KT on base leg/closing heading to final approach up to 12 NM to touchdown.
 - 180 KT on final approach course within 12 NM to 6 NM to touchdown.
 - 160 KT on final approach course within 6 NM 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

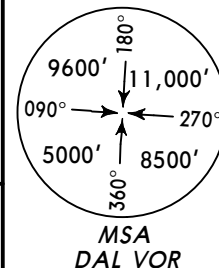
ROUTING

EDOKU 1D	EDOKU - EROVA - TOVRO (OPERATIONAL 12000'+; K250-) - KORAT - BS126 - BS125 (K220-) - BS124 - BS123 (OPERATIONAL 4000') - BS122.
EDOKU 1H	EDOKU - UMRUL (OPERATIONAL 10000'+; K250-) - BS508 - BS504 (K220-) - BS503 - BS502 (OPERATIONAL 3000') - BS121.

ATIS
127.35

Apt Elev
20'

Alt Set: hPa Trans level: By ATC Trans alt: 12000'
1. RADAR required.
2. P-RNAV approval required otherwise advice ATC.
3. For initial, intermediate and final approach refer to RNAV (GNSS) APPROACH RWY 19.
4. Descend as cleared.



**ALTIN 1Z [ALTI1Z]
BIRPU 1Z [BIRP1Z]
OZYAK 1Z [OZYA1Z]
RWY 19 RNAV ARRIVALS
RNAV (GNSS)**

ATMON
N37 03.7 E029 03.9

OPERATIONAL
At or above
9000'
MAX 250 KT

OZYAK
N37 07.5 E029 08.6

PODOV
N37 02.0 E029 07.6
OPERATIONAL
At 10000'

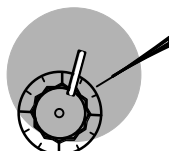
BS114
N36 59.7 E029 12.5

OPERATIONAL
At or above
11000'

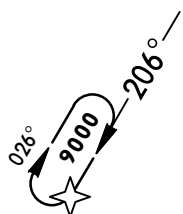
CAUTION

Only available for traffic able to execute RNAV (GNSS) APPROACH RWY 19.
Advise ATC at first contact by the phrase "REQUEST RNAV APPROACH RWY 19".
Otherwise expect RADAR vectors for circling RWY 19.

DALAMAN
D (H) 114.7 DAL
N36 41.4 E028 46.9



**HOLDING
OVER
ATMON**



BS113
N36 39.5 E029 08.1

EKVUR
N36 36.5 E029 08.5

BIRPU
N36 19.1 E029 10.5

ALTIN
N36 45.9 E029 24.6

Direct distance to Dalaman Apt from:
ATMON 24 NM



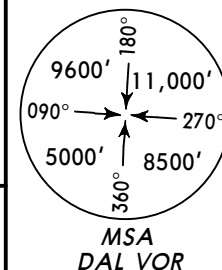
NOT TO SCALE

STAR	ROUTING
ALTIN 1Z	ALTIN - BS114 (OPERATIONAL 11000'+) - PODOV (OPERATIONAL 10000') - ATMON (OPERATIONAL 9000'+; K250-).
BIRPU 1Z	BIRPU - EKVUR - BS113 - BS114 (OPERATIONAL 11000'+) - PODOV (OPERATIONAL 10000') - ATMON (OPERATIONAL 9000'+; K250-).
OZYAK 1Z	OZYAK - ATMON (OPERATIONAL 9000'+; K250-).

ATIS
127.35

Apt Elev
20'

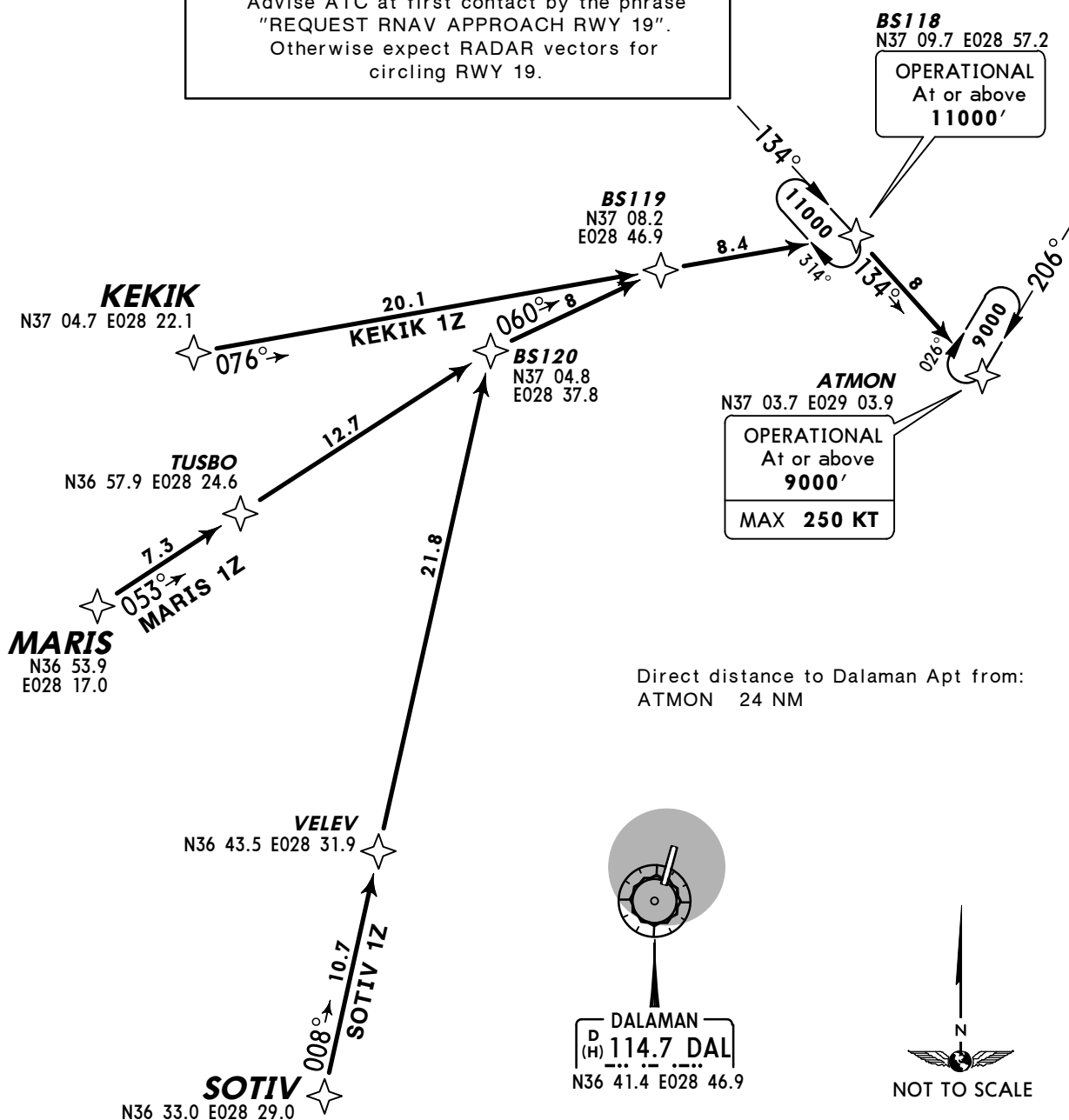
Alt Set: hPa Trans level: By ATC Trans alt: 12000'
1. RADAR required.
2. P-RNAV approval required otherwise advice ATC.
3. For initial, intermediate and final approach refer to RNAV (GNSS) APPROACH RWY 19.
4. Descend as cleared.



**KEKIK 1Z [KEK11Z]
MARIS 1Z [MAR11Z]
SOTIV 1Z [SOT11Z]
RWY 19 RNAV ARRIVALS
RNAV (GNSS)**

CAUTION

Only available for traffic able to execute RNAV (GNSS) APPROACH RWY 19.
Advise ATC at first contact by the phrase "REQUEST RNAV APPROACH RWY 19".
Otherwise expect RADAR vectors for circling RWY 19.

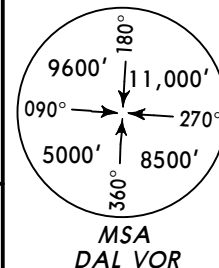


STAR	ROUTING
KEKIK 1Z	KEKIK - BS119 - BS118 (OPERATIONAL 11000'+) - ATMON (OPERATIONAL 9000'+; K250-).
MARIS 1Z	MARIS - TUSBO - BS120 - BS119 - BS118 (OPERATIONAL 11000'+) - ATMON (OPERATIONAL 9000'+; K250-).
SOTIV 1Z	SOTIV - VELEV - BS120 - BS119 - BS118 (OPERATIONAL 11000'+) - ATMON (OPERATIONAL 9000'+; K250-).

ATIS
127.35

Apt Elev
20'

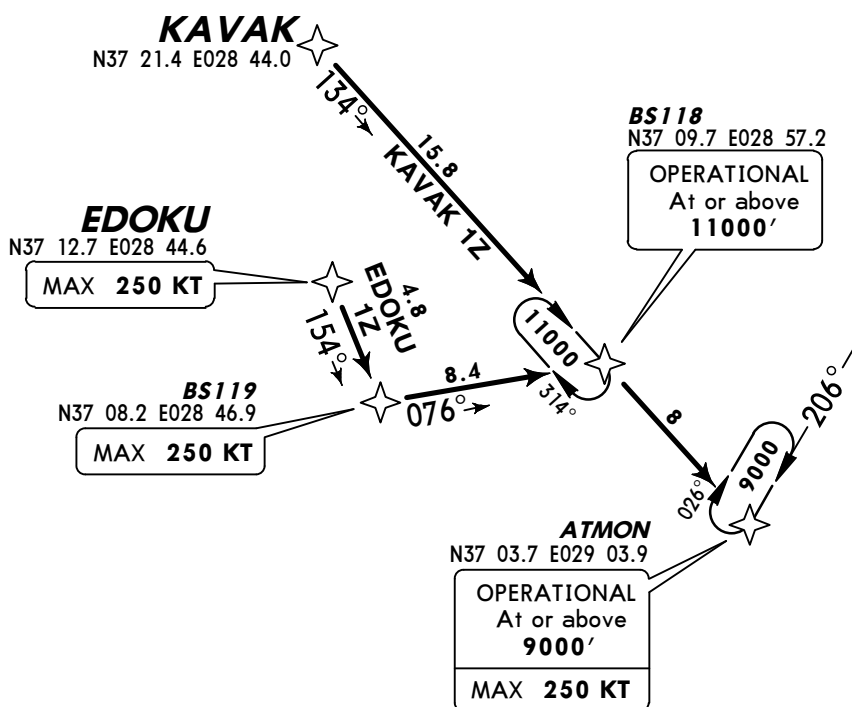
Alt Set: hPa Trans level: By ATC Trans alt: 12000'
1. RADAR required.
2. P-RNAV approval required otherwise advice ATC.
3. For initial, intermediate and final approach refer to RNAV (GNSS) APPROACH RWY 19.
4. Descend as cleared.



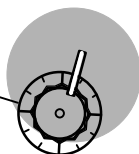
**EDOKU 1Z [EDOK1Z]
KAVAK 1Z [KAVA1Z]
RWY 19 RNAV ARRIVALS
RNAV (GNSS)**

CAUTION

Only available for traffic able to execute RNAV (GNSS) APPROACH RWY 19.
Advise ATC at first contact by the phrase "REQUEST RNAV APPROACH RWY 19".
Otherwise expect RADAR vectors for circling RWY 19.



DALAMAN
D (H) 114.7 DAL
N36 41.4 E028 46.9



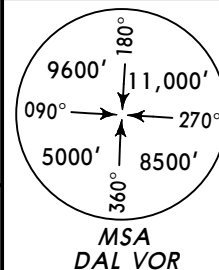
Direct distance to Dalaman Apt from:
ATMON 24 NM

STAR	ROUTING
EDOKU 1Z	EDOKU (K250-) - BS119 (K250-) - BS118 (OPERATIONAL 11000'+) - ATMON (OPERATIONAL 9000'+; K250-).
KAVAK 1Z	KAVAK - BS118 (OPERATIONAL 11000'+) - ATMON (OPERATIONAL 9000'+; K250-).

ATIS
127.35

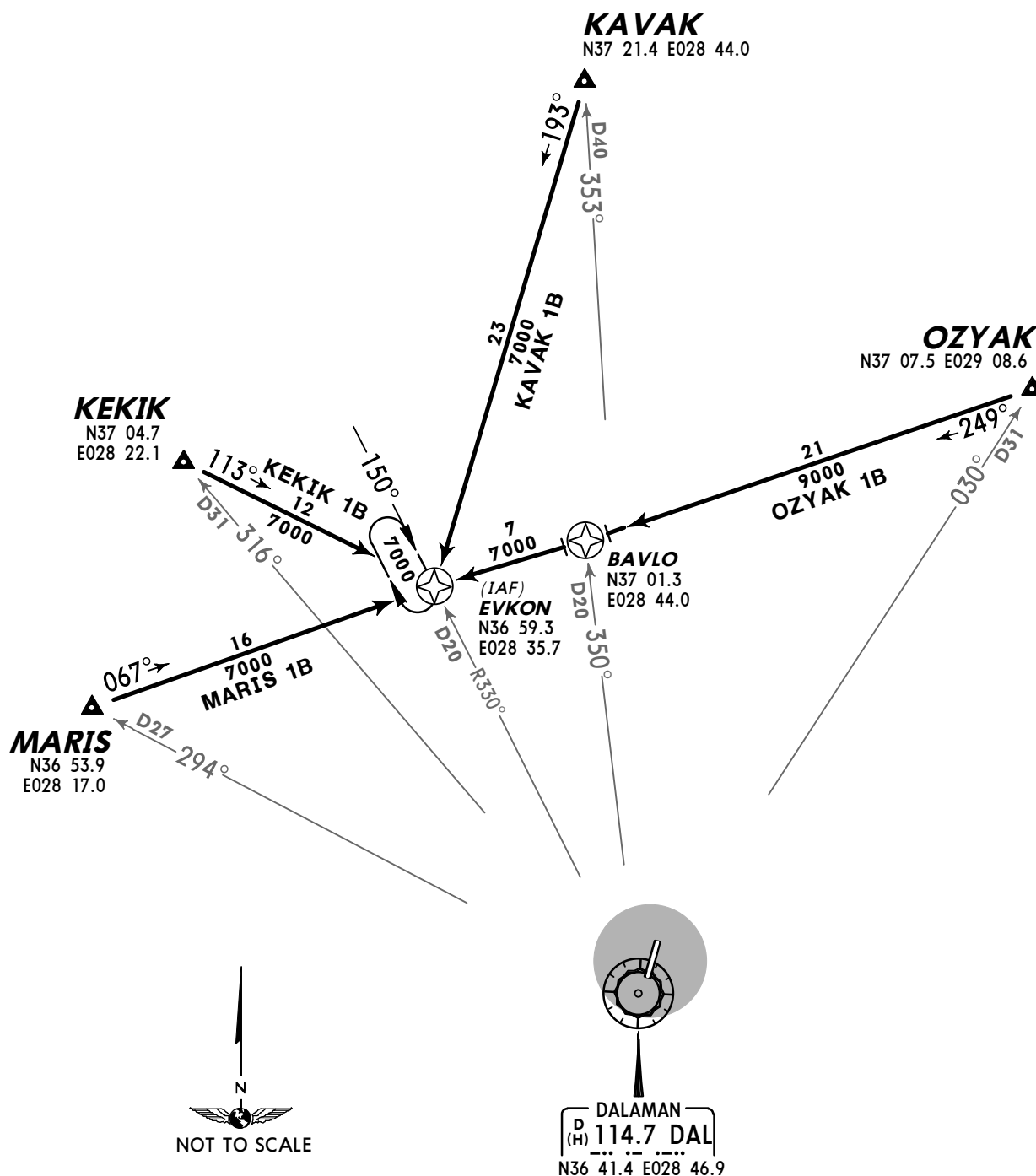
Apt Elev
20'

Alt Set: hPa Trans level: By ATC Trans alt: 12000'
1. B-RNAV approval required.
2. DAL must be serviceable. RADAR service shall be available.
3. Request RADAR vectoring in case of loss of RNAV capability.

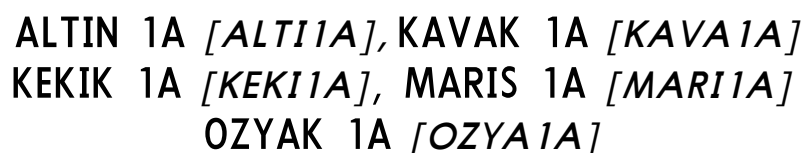


KAVAK 1B [KAVA1B], KEKIK 1B [KEKI1B]
MARIS 1B [MARI1B], OZYAK 1B [OZYA1B]
RNAV ARRIVALS

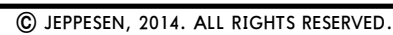
SPEEDS MAX 250 KT WITHIN TMA
UNLESS OTHERWISE INSTRUCTED BY ATC



Alt Set: hPa
Trans level: By ATC Trans alt: 12000'



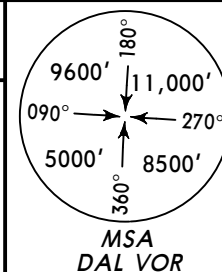
***SPEED: MAX 250 KT WITHIN TMA
UNLESS OTHERWISE INSTRUCTED BY ATC***



ATIS
127.35

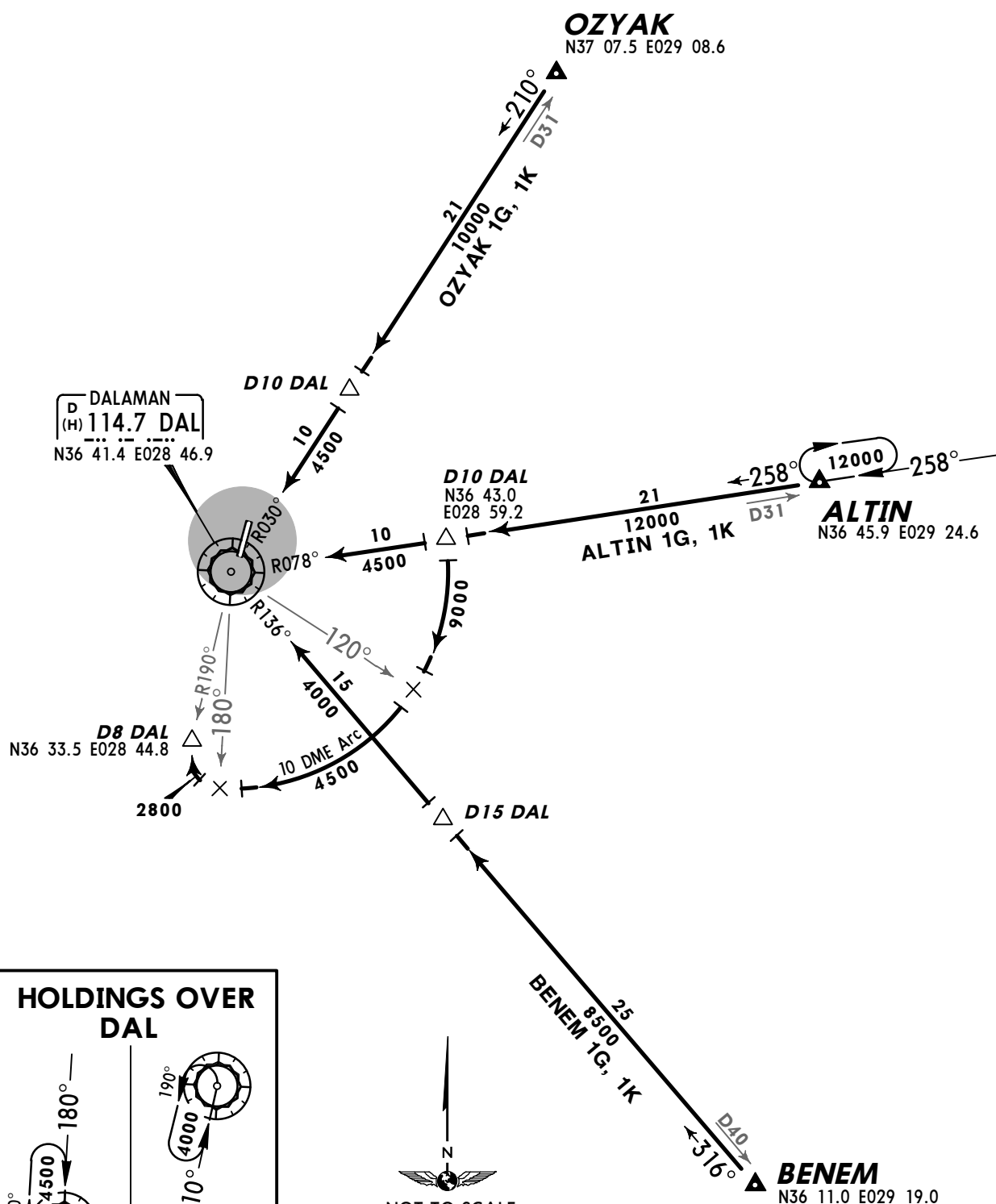
Apt Elev
20'

Alt Set: hPa
Trans level: By ATC Trans alt: 12000'



ALTIN 1G [ALT11G]
BENEM 1G [BENE1G]
OZYAK 1G [OZYA1G]
ARRIVALS

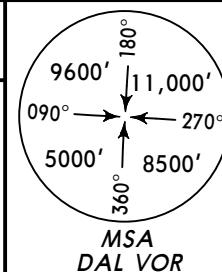
~~SPEED~~ MAX 250 KT WITHIN TMA
UNLESS OTHERWISE INSTRUCTED BY ATC



ATIS
127.35

Apt Elev
20'

Alt Set: hPa
Trans level: By ATC Trans alt: 12000'



KAVAK 1G [KAVA1G]

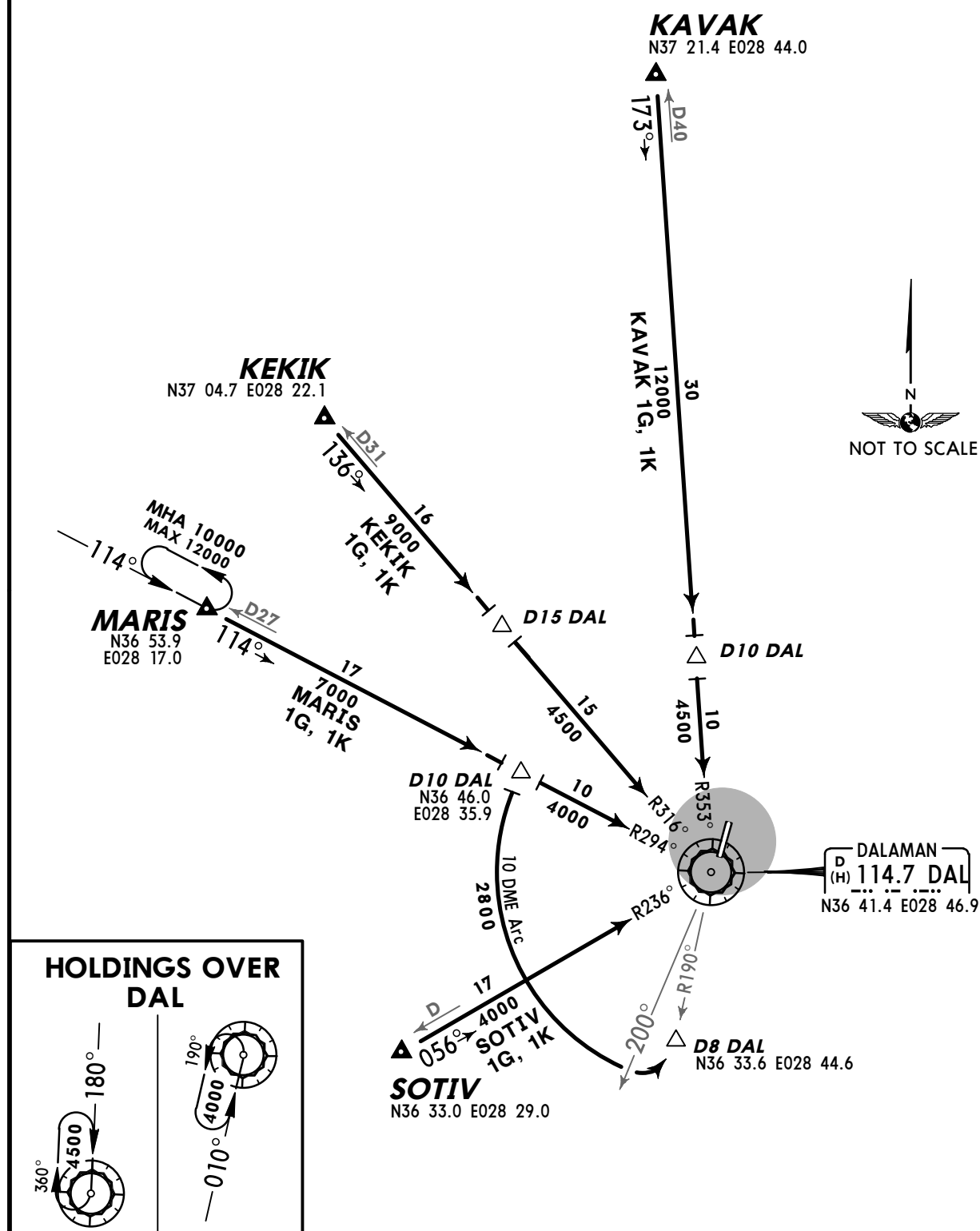
KEKIK 1G [KEKI1G]

MARIS 1G [MARI1G]

SOTIV 1G [SOTI1G]

ARRIVALS

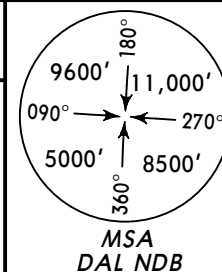
~~SPEED~~ MAX 250 KT WITHIN TMA
UNLESS OTHERWISE INSTRUCTED BY ATC



ATIS
127.35

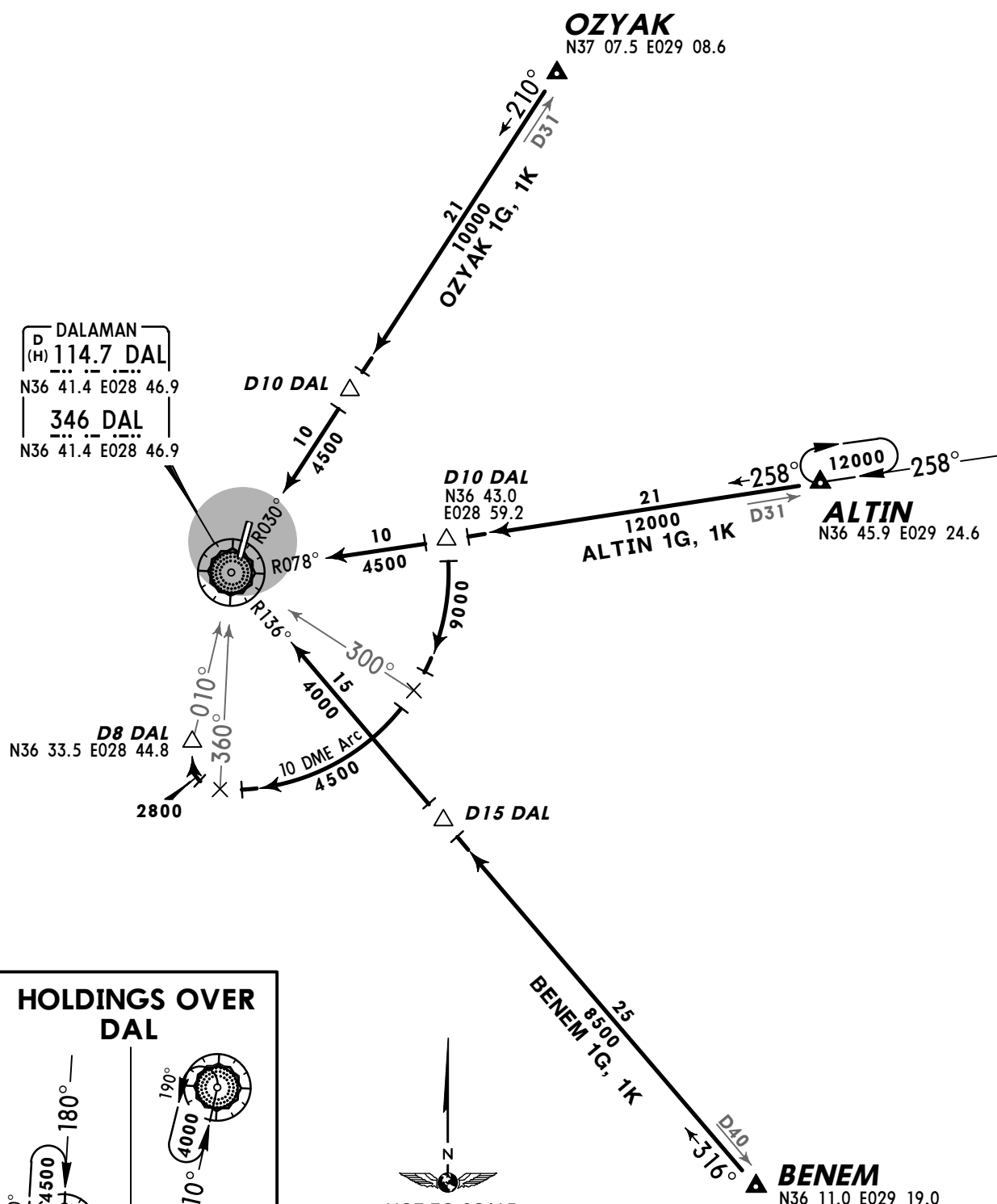
Apt Elev
20'

Alt Set: hPa
Trans level: By ATC Trans alt: 12000'



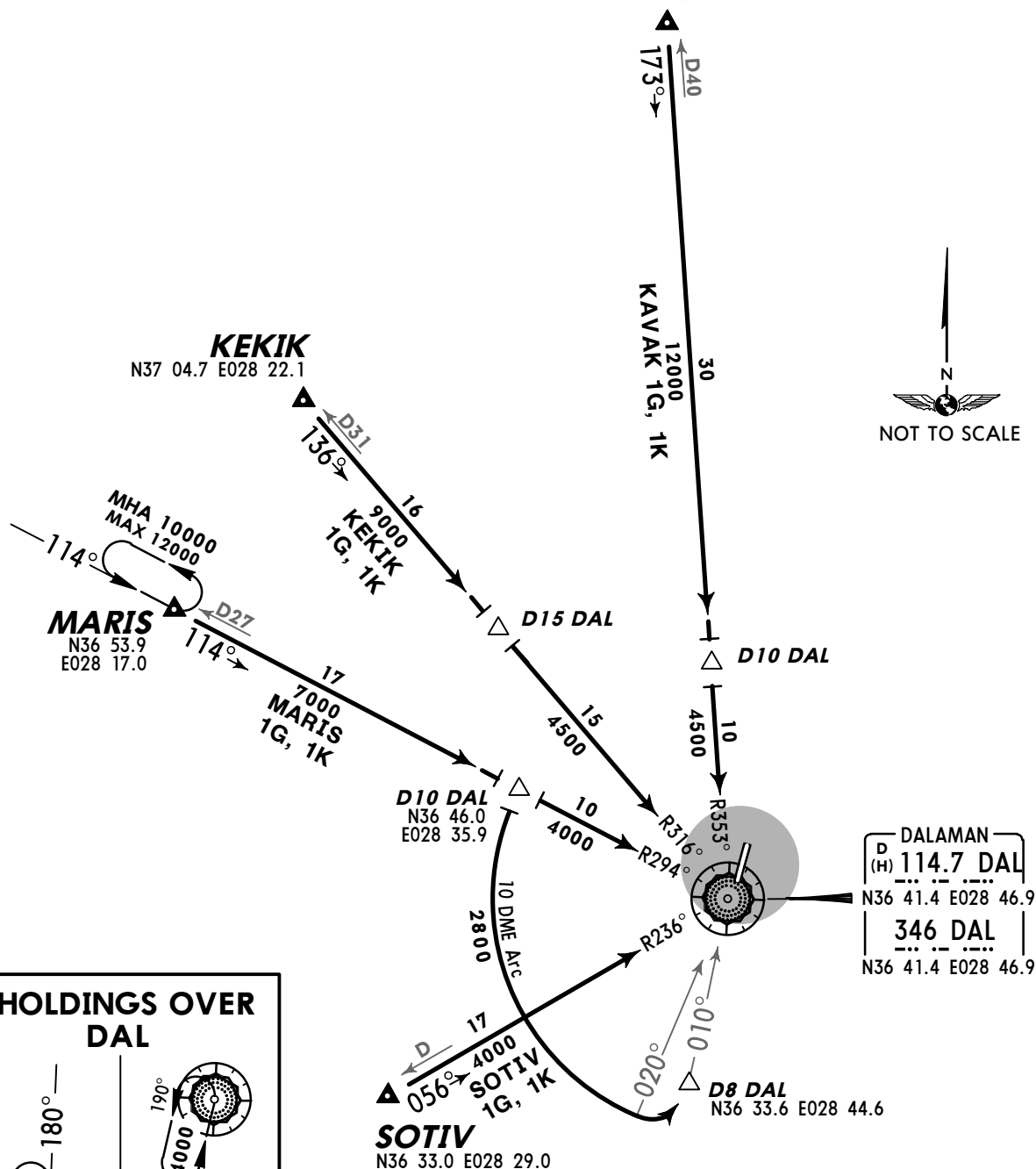
ALTIN 1K [ALTI1K]
BENEM 1K [BENE1K]
OZYAK 1K [OZYA1K]
ARRIVALS

**~~SPEED~~ MAX 250 KT WITHIN TMA
UNLESS OTHERWISE INSTRUCTED BY ATC**

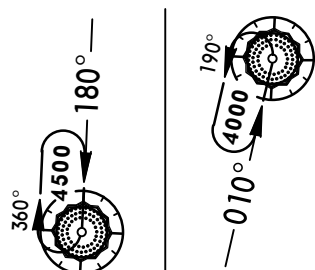


ARRIVALS

KAVAK
N37 21.4 E028 44.0

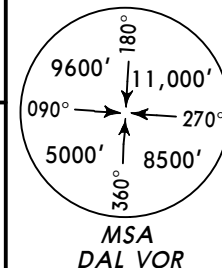


HOLDINGS OVER DAL

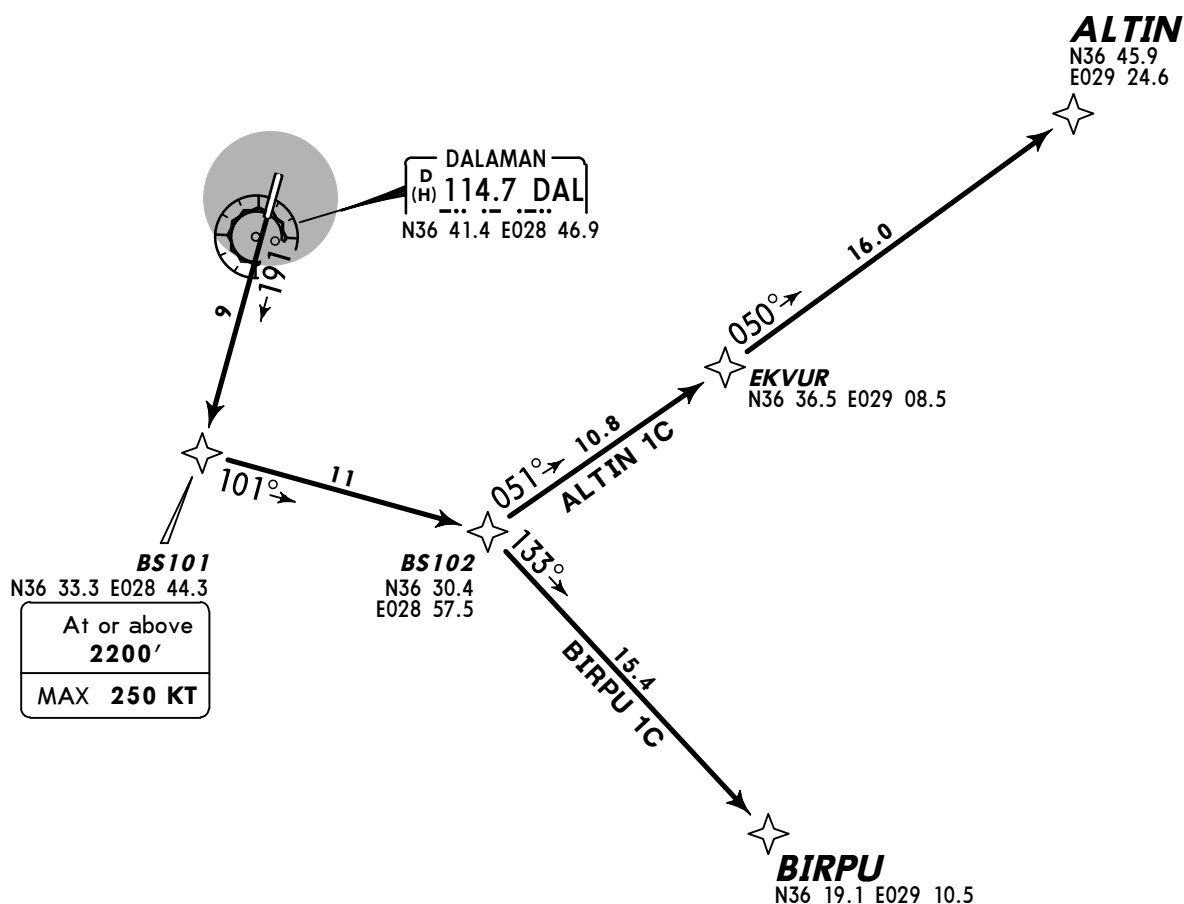


Apt Elev
20'

Trans level: By ATC Trans alt: 12000'
1. RADAR required.
2. P-RNAV approval required otherwise advice ATC.



ALTIN 1C [ALTI1C]
BIRPU 1C [BIRP1C]
RWY 19 RNAV DEPARTURES
RNAV (GNSS)



These SIDs require a minimum climb gradient
of
243' per NM (4.0%) up to 10000'.

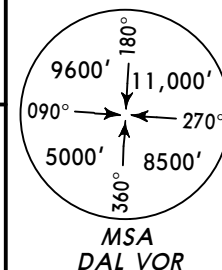
Gnd speed-KT	75	100	150	200	250	300
243' per NM	304	405	608	810	1013	1215



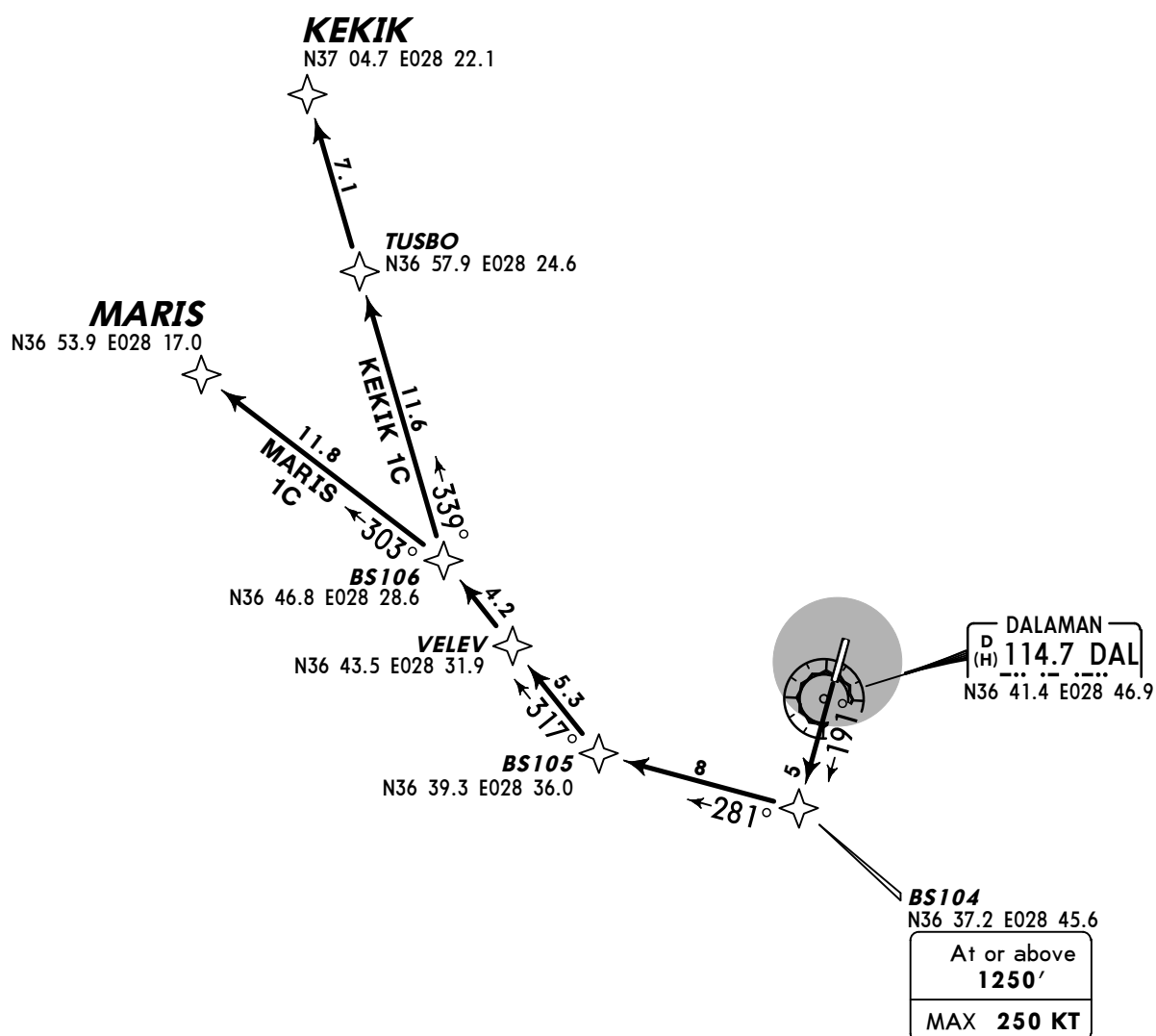
SID	ROUTING
ALTIN 1C	BS101 (2200'+; K250-) - BS102 - EKVUR - ALTIN.
BIRPU 1C	BS101 (2200'+; K250-) - BS102 - BIRPU.

Apt Elev
20'

Trans level: By ATC Trans alt: 12000'
1. RADAR required.
2. P-RNAV approval required otherwise advice ATC.



**KEKIK 1C [KEKI1C]
MARIS 1C [MARI1C]
RWY 19 RNAV DEPARTURES
RNAV (GNSS)**



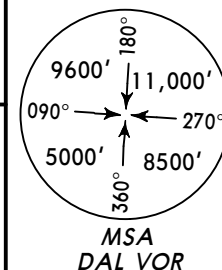
These SIDs require a minimum climb gradient
of
243' per NM (4.0%) up to 10000'.

Gnd speed-KT	75	100	150	200	250	300
243' per NM	304	405	608	810	1013	1215

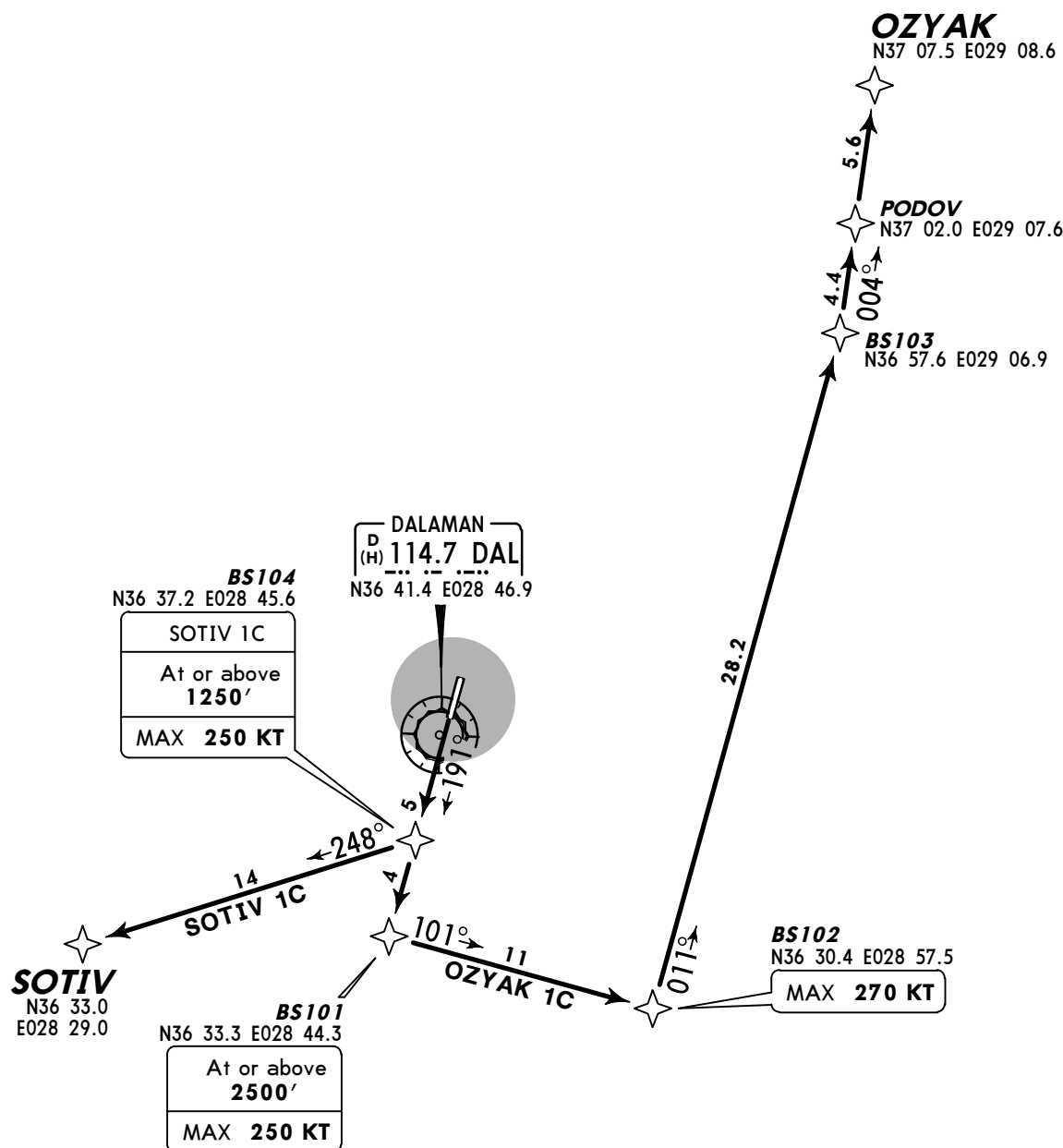
SID	ROUTING
KEKIK 1C	BS104 (1250'+; K250-) - BS105 - VELEV - BS106 - TUSBO - KEKIK.
MARIS 1C	BS104 (1250'+; K250-) - BS105 - VELEV - BS106 - MARIS.

Apt Elev
20'

Trans level: By ATC Trans alt: 12000'
1. RADAR required.
2. P-RNAV approval required otherwise advice ATC.



**OZYAK 1C [OZYA1C]
SOTIV 1C [SOTI1C]
RWY 19 RNAV DEPARTURES
RNAV (GNSS)**



These SIDs require minimum climb gradients
of

OZYAK 1C
274' per NM (4.5%) up to 10000'.

SOTIV 1C
243' per NM (4.0%) up to 10000'.

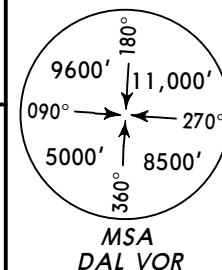
Gnd speed-KT	75	100	150	200	250	300
243' per NM	304	405	608	810	1013	1215
274' per NM	343	457	685	913	1142	1370



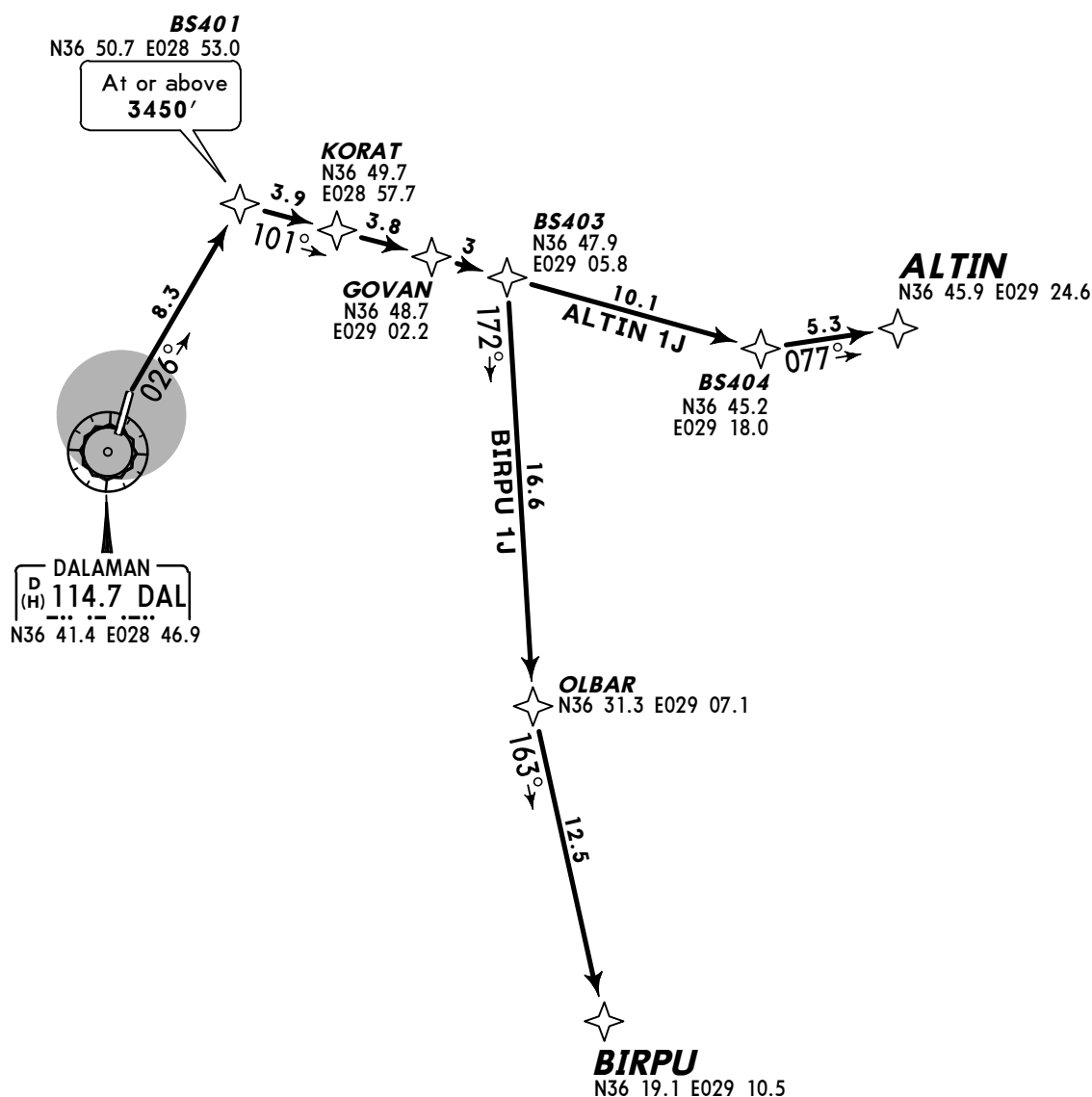
SID	ROUTING
OZYAK 1C	BS101 (2500'+; K250-) - BS102 (K270-) - BS103 - PODOV - OZYAK.
SOTIV 1C	BS104 (1250'+; K250-) - SOTIV.

Apt Elev
20'

Trans level: By ATC Trans alt: 12000'
1. RADAR required.
2. P-RNAV approval required otherwise advice ATC.



**ALTIN 1J [ALTI1J]
BIRPU 1J [BIRP1J]
RWY 01 RNAV DEPARTURES
RNAV (GNSS)**



These SIDs require a minimum climb gradient
of
413' per NM (6.8%) up to 11000'.

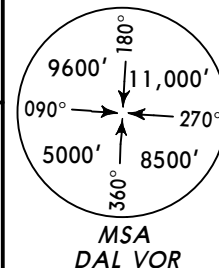
Gnd speed-KT	75	100	150	200	250	300
413' per NM	516	688	1033	1377	1721	2065



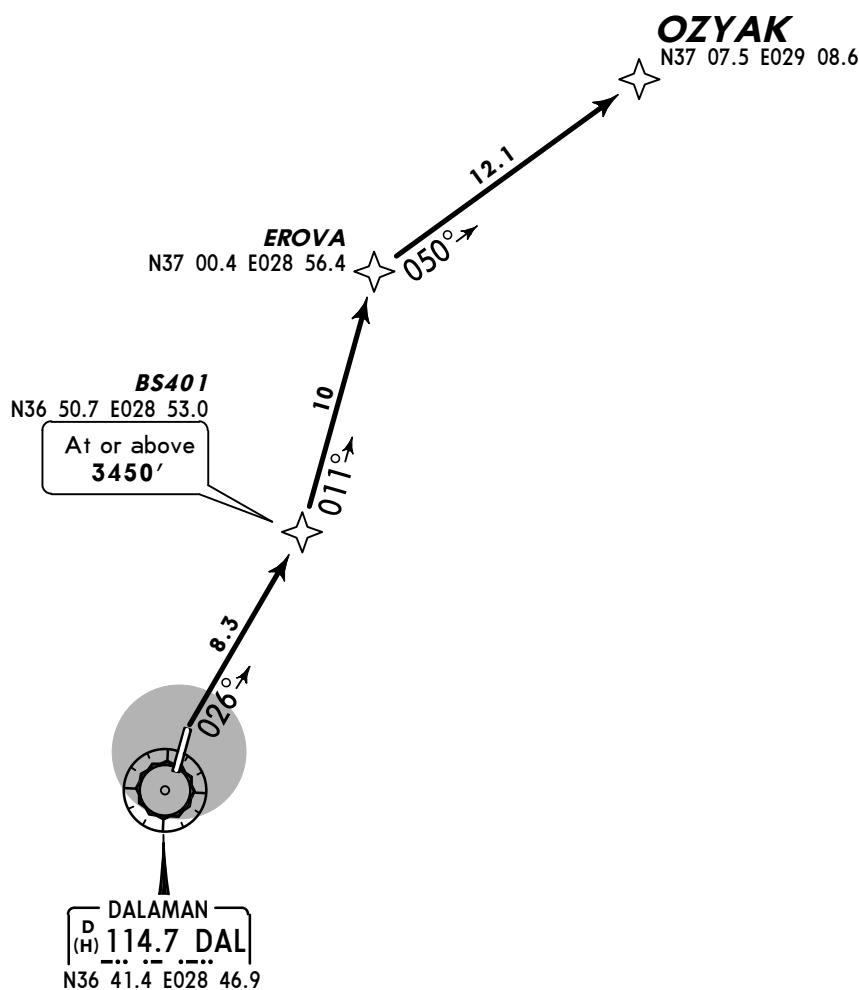
SID	ROUTING
ALTIN 1J	BS401 (3450'+) - KORAT - GOVAN - BS403 - BS404 - ALTIN.
BIRPU 1J	BS401 (3450'+) - KORAT - GOVAN - BS403 - OLBAR - BIRPU.

Apt Elev
20'

Trans level: By ATC Trans alt: 12000'
1. RADAR required.
2. P-RNAV approval required otherwise advice ATC.



**OZYAK 1J [OZYA1J]
RWY 01 RNAV DEPARTURE
RNAV (GNSS)**



This SID requires a minimum climb gradient
of
413' per NM (6.8%) up to 11000'.

Gnd speed-KT	75	100	150	200	250	300
413' per NM	516	688	1033	1377	1721	2065

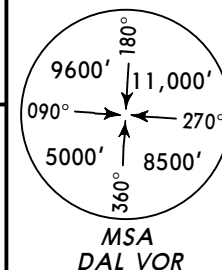


ROUTING

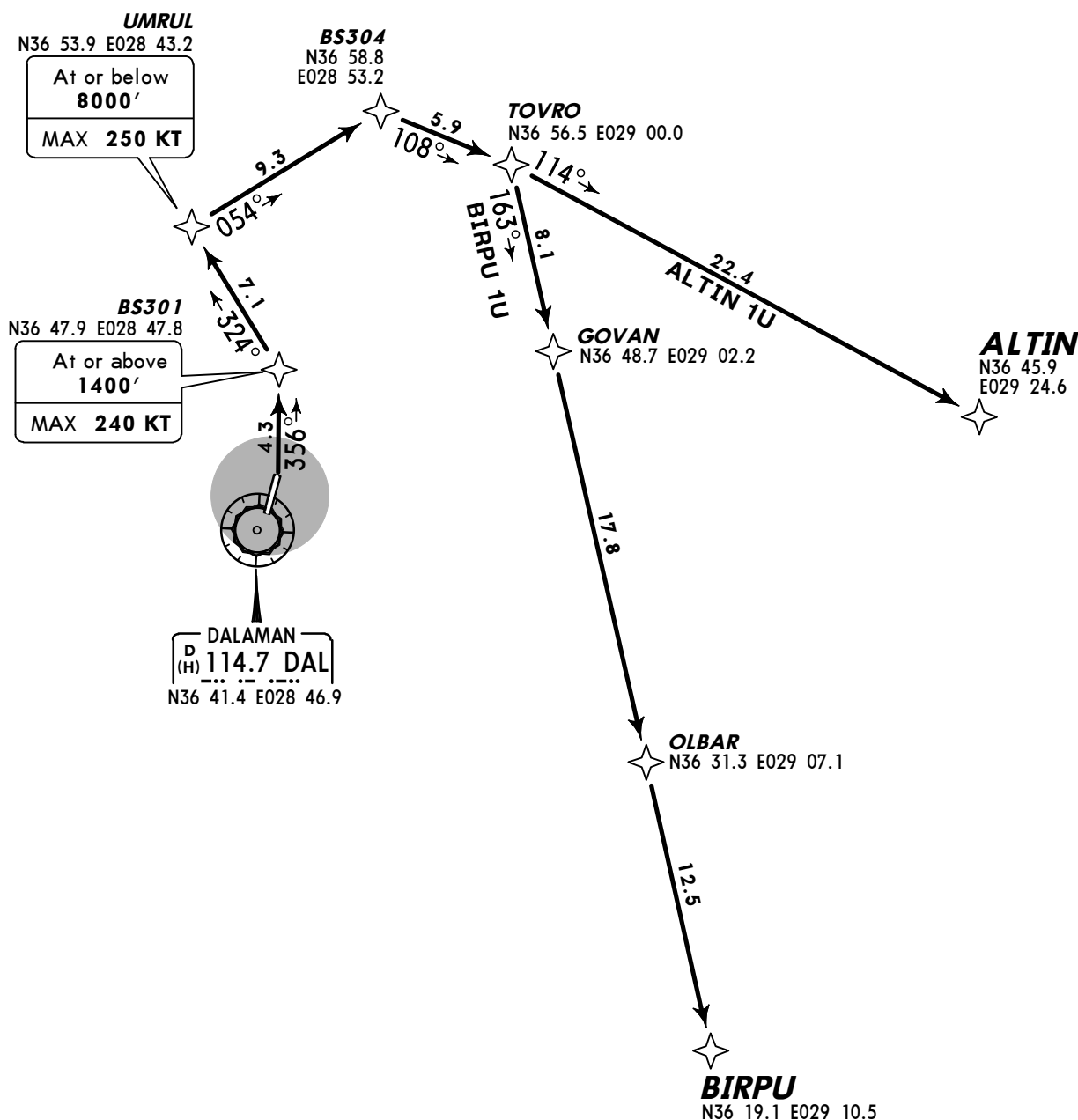
BS401 (3450'+) - EROVA - OZYAK.

Apt Elev
20'

Trans level: By ATC Trans alt: 12000'
1. RADAR required.
2. P-RNAV approval required otherwise advice ATC.



ALTIN 1U [ALTI1U]
BIRPU 1U [BIRP1U]
RWY 01 RNAV DEPARTURES
RNAV (GNSS)



These SIDs require a minimum climb gradient of 322' per NM (5.3%) up to 10000'.

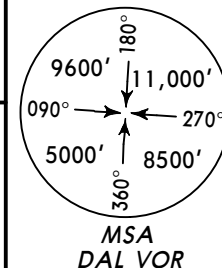
Gnd speed-KT	75	100	150	200	250	300
322' per NM	402	537	805	1073	1342	1610



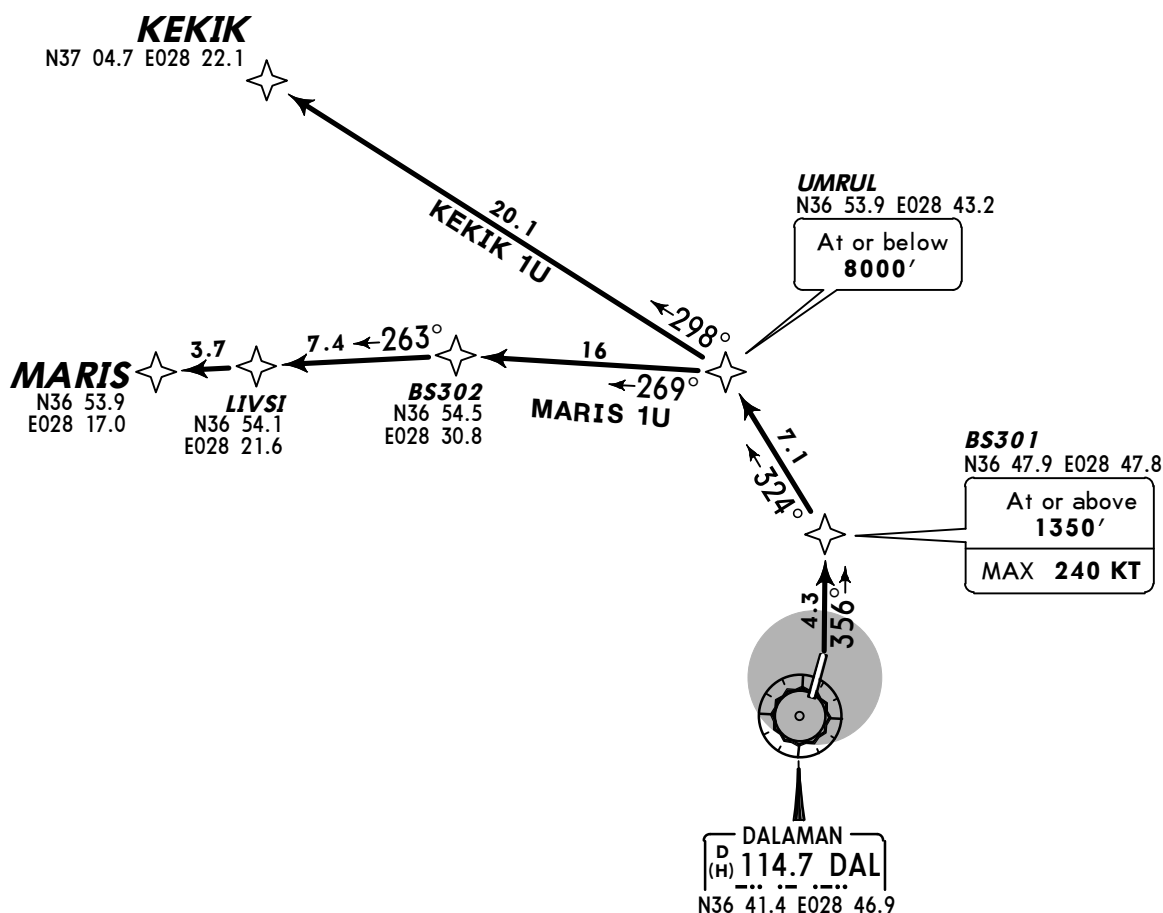
SID	ROUTING
ALTIN 1U	BS301 (1400'+; K240-) - UMRUL (8000'-; K250-) - BS304 - TOVRO - ALTIN.
BIRPU 1U	BS301 (1400'+; K240-) - UMRUL (8000'-; K250-) - BS304 - TOVRO - GOVAN - OLBAR - BIRPU.

Apt Elev
20'

Trans level: By ATC Trans alt: 12000'
1. RADAR required.
2. P-RNAV approval required otherwise advice ATC.



**KEKIK 1U [KEK11U]
MARIS 1U [MAR11U]
RWY 01 RNAV DEPARTURES
RNAV (GNSS)**



These SIDs require a minimum climb gradient
of
304' per NM (5.0%) up to 10000'.

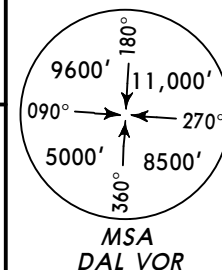
Gnd speed-KT	75	100	150	200	250	300
304' per NM	380	507	760	1013	1267	1520



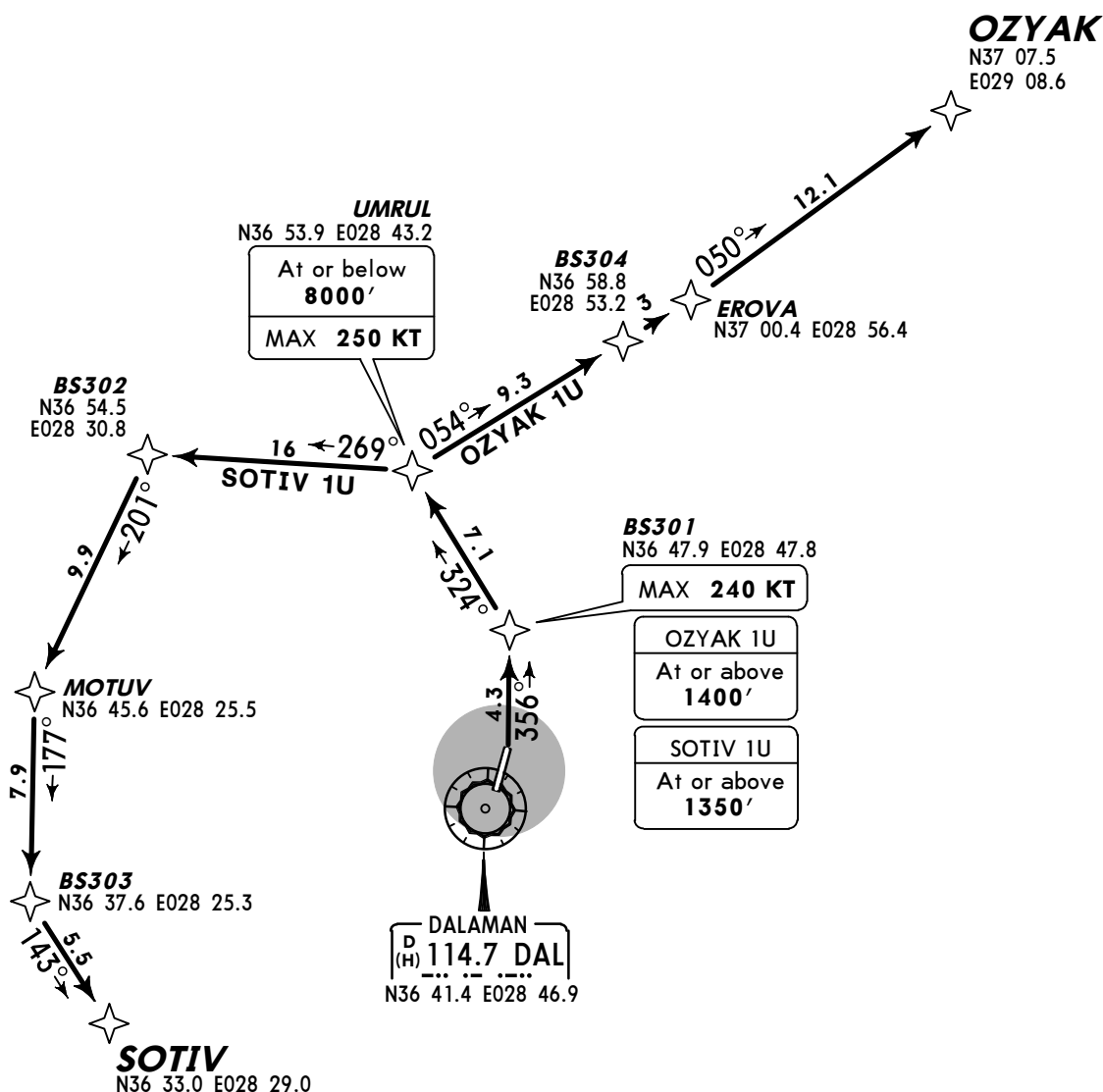
SID	ROUTING
KEKIK 1U	BS301 (1350'+; K240-) - UMRUL (8000'-) - KEKIK.
MARIS 1U	BS301 (1350'+; K240-) - UMRUL (8000'-) - BS302 - LIVSI - MARIS.

Apt Elev
20'

Trans level: By ATC Trans alt: 12000'
1. RADAR required.
2. P-RNAV approval required otherwise advice ATC.



**OZYAK 1U [OZYA1U]
SOTIV 1U [SOTI1U]
RWY 01 RNAV DEPARTURES**
RNAV (GNSS)



These SIDs require minimum climb gradients of

OZYAK 1U
322' per NM (5.3%) up to 10000'.

SOTIV 1U
304' per NM (5.0%) up to 10000'.

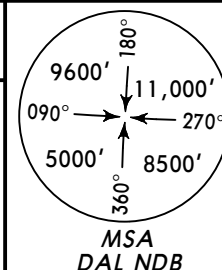
Gnd speed-KT	75	100	150	200	250	300
304' per NM	380	507	760	1013	1267	1520
322' per NM	402	537	805	1073	1342	1610



SID	ROUTING
OZYAK 1U	BS301 (1400'+; K240-) - UMRUL (8000'-; K250) - BS304 - EROVA - OZYAK.
SOTIV 1U	BS301 (1350'+; K240-) - UMRUL (8000'-; K250) - BS302 - MOTUV - BS303 - SOTIV.

Apt Elev
20'

Trans level: By ATC Trans alt: 12000'

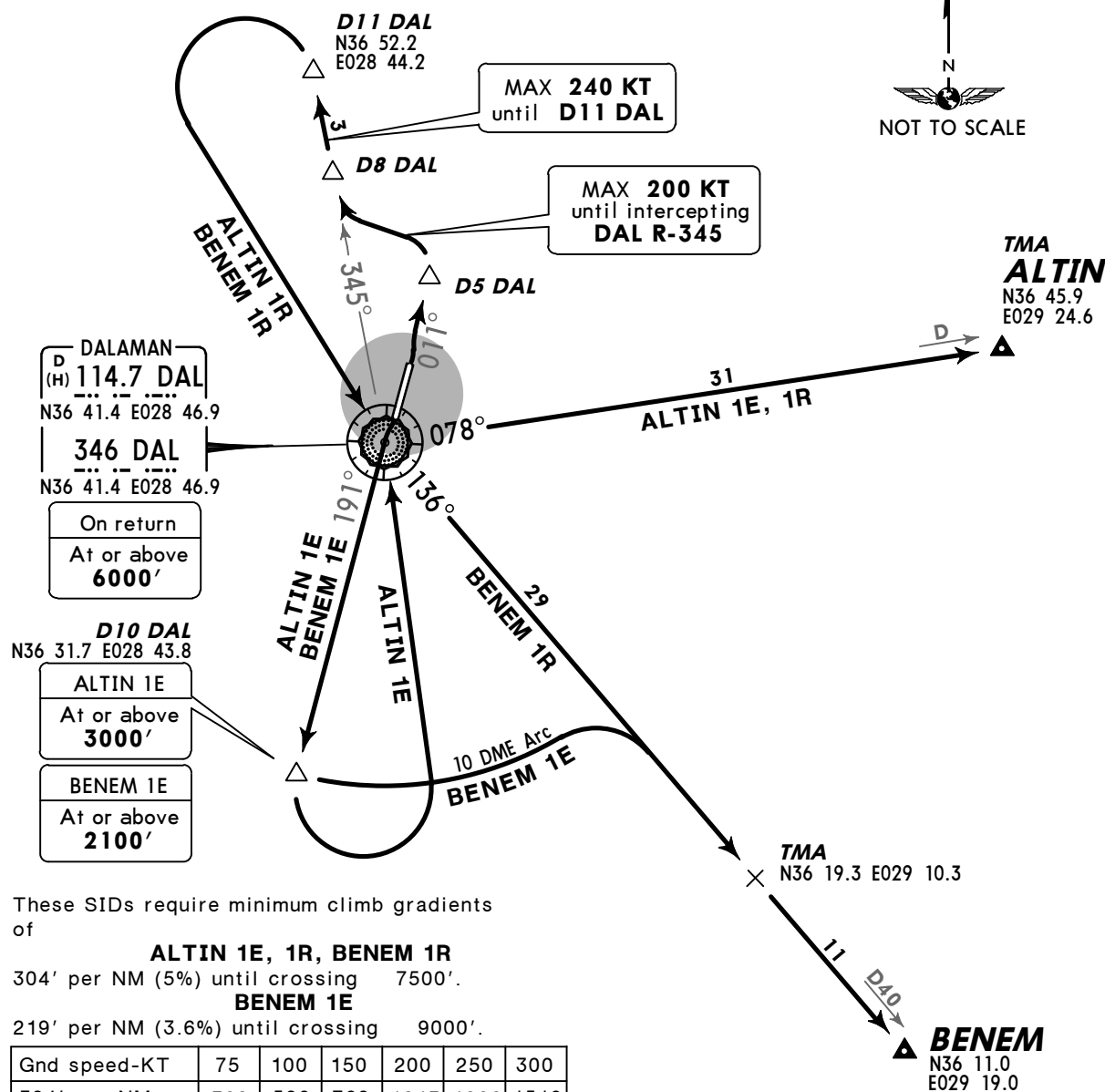


ALTIN ONE ECHO (ALTIN 1E) [ALT11E]
ALTIN ONE ROMEO (ALTIN 1R) [ALT11R]
BENEM ONE ECHO (BENEM 1E) [BENE1E]
BENEM ONE ROMEO (BENEM 1R) [BENE1R]

RWYS 19, 01 DEPARTURES

BASED ON DAL VOR/DME

SPEED MAX 250 KT WITHIN TMA
UNLESS OTHERWISE INSTRUCTED BY ATC



These SIDs require minimum climb gradients of

ALTIN 1E, 1R, BENEM 1R
304' per NM (5%) until crossing 7500'.

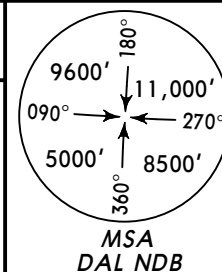
BENEM 1E
219' per NM (3.6%) until crossing 9000'.

Gnd speed-KT	75	100	150	200	250	300
304' per NM	380	506	760	1013	1266	1519
219' per NM	273	365	547	729	911	1094

SID	RWY	ROUTING
ALTIN 1E	19	Intercept DAL R-191 to D10 DAL, turn LEFT to DAL, turn RIGHT, DAL R-078 to ALTIN, then join airway.
ALTIN 1R	01	Intercept DAL R-011 to D5 DAL, turn LEFT, intercept DAL R-345 within DAL 8 DME to D11 DAL, turn LEFT to DAL, turn LEFT, DAL R-078 to ALTIN, then join airway.
BENEM 1E	19	Intercept DAL R-191 to D10 DAL, turn LEFT, along DAL 10 DME arc, intercept DAL R-136 to BENEM, then join airway.
BENEM 1R	01	Intercept DAL R-011 to D5 DAL, turn LEFT, intercept DAL R-345 within DAL 8 DME to D11 DAL, turn LEFT to DAL, turn LEFT, DAL R-136 to BENEM, then join airway.

Apt Elev
20'

Trans level: By ATC Trans alt: 12000'

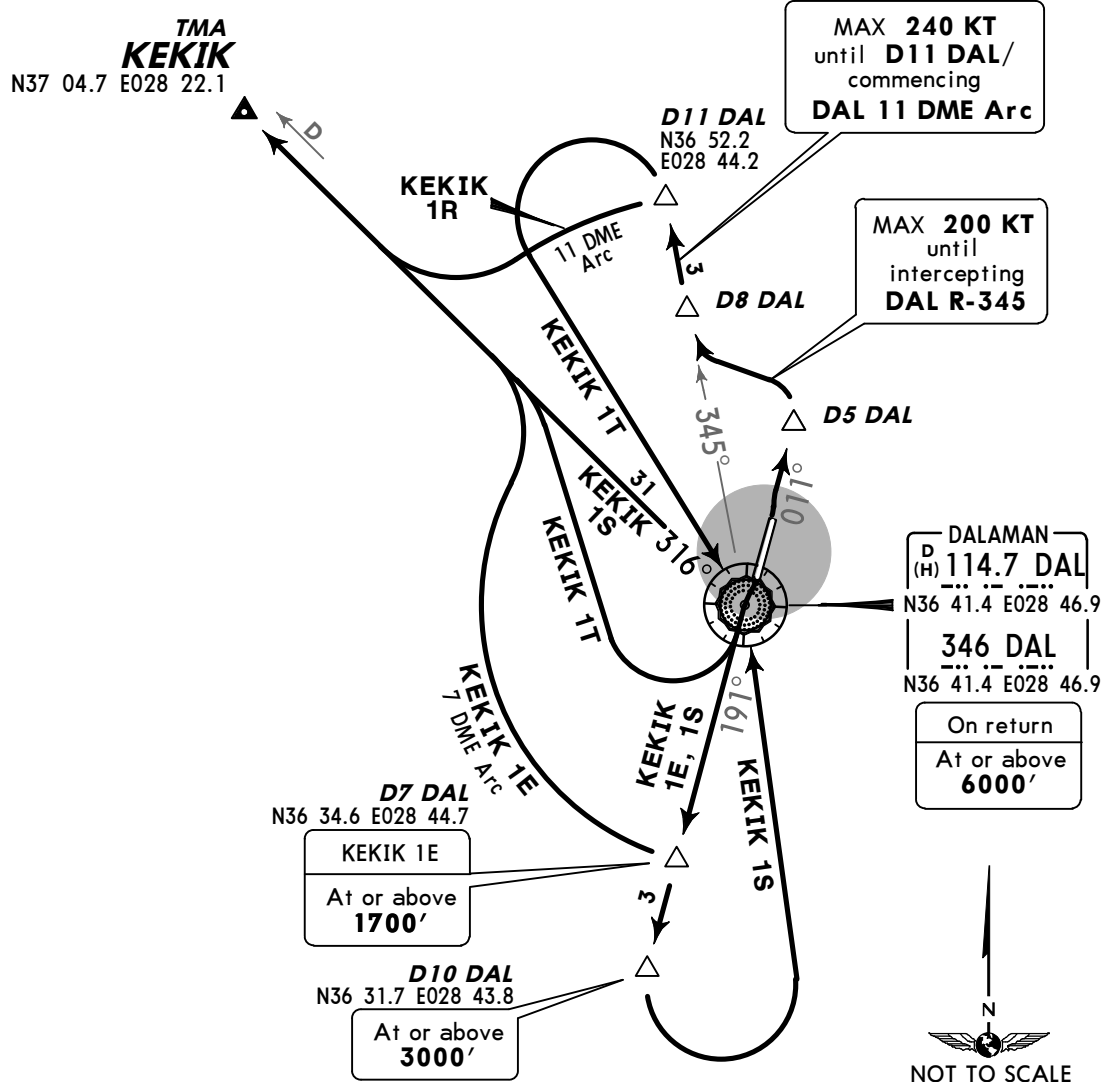


KEKIK ONE ECHO (KEKIK 1E) [KEK11E]
KEKIK ONE ROMEO (KEKIK 1R) [KEK11R]
KEKIK ONE SIERRA (KEKIK 1S) [KEK11S]
KEKIK ONE TANGO (KEKIK 1T) [KEK11T]

RWYS 19, 01 DEPARTURES

BASED ON DAL VOR/DME

~~SPEED~~ MAX 250 KT WITHIN TMA
UNLESS OTHERWISE INSTRUCTED BY ATC



These SIDs require minimum climb gradients
of

KEKIK 1E
292' per NM (4.8%) until crossing 7500'.

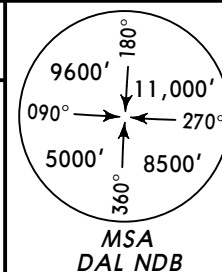
KEKIK 1R, 1S, 1T
304' per NM (5%) until crossing 7500'.

Gnd speed-KT	75	100	150	200	250	300
292' per NM	365	486	729	972	1215	1458
304' per NM	380	506	760	1013	1266	1519

SID	RWY	ROUTING
KEKIK 1E	19	Intercept DAL R-191 to D7 DAL, turn RIGHT, along DAL 7 DME arc, intercept DAL R-316 to KEKIK, then join airway.
KEKIK 1R	01	Intercept DAL R-011 to D5 DAL, turn LEFT, intercept DAL R-345 within DAL 8 DME to D11 DAL, turn LEFT, along DAL 11 DME arc, intercept DAL R-316 to KEKIK, then join airway.
KEKIK 1S	19	Intercept DAL R-191 to D10 DAL, turn LEFT to DAL, DAL R-316 to KEKIK, then join airway.
KEKIK 1T	01	Intercept DAL R-011 to D5 DAL, turn LEFT, intercept DAL R-345 within DAL 8 DME to D11 DAL, turn LEFT to DAL, turn RIGHT, intercept DAL R-316 to KEKIK, then join airway.

Apt Elev
20'

Trans level: By ATC Trans alt: 12000'



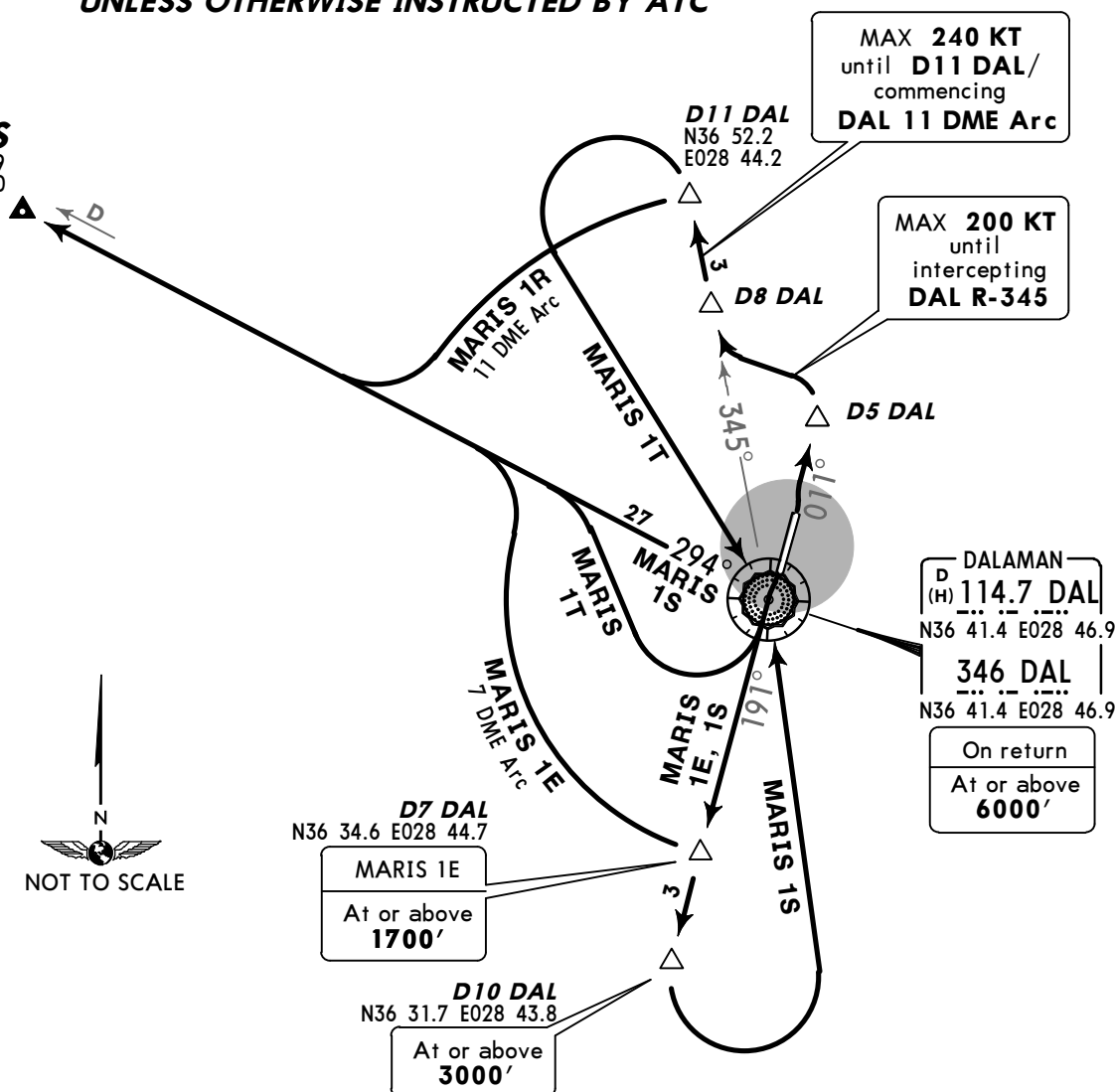
MARIS ONE ECHO (MARIS 1E) [MARI1E]
MARIS ONE ROMEO (MARIS 1R) [MARI1R]
MARIS ONE SIERRA (MARIS 1S) [MARI1S]
MARIS ONE TANGO (MARIS 1T) [MARI1T]

RWYS 19, 01 DEPARTURES

BASED ON DAL VOR/DME

SPEED MAX 250 KT WITHIN TMA
UNLESS OTHERWISE INSTRUCTED BY ATC

MARIS
N36 53.9
E028 17.0



These SIDs require minimum climb gradients
of

MARIS 1E
292' per NM (4.8%) until crossing 7500'.

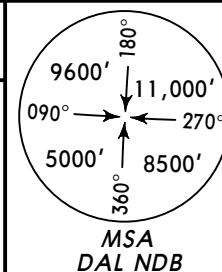
MARIS 1R, 1S, 1T
304' per NM (5%) until crossing 7500'.

Gnd speed-KT	75	100	150	200	250	300
292' per NM	365	486	729	972	1215	1458
304' per NM	380	506	760	1013	1266	1519

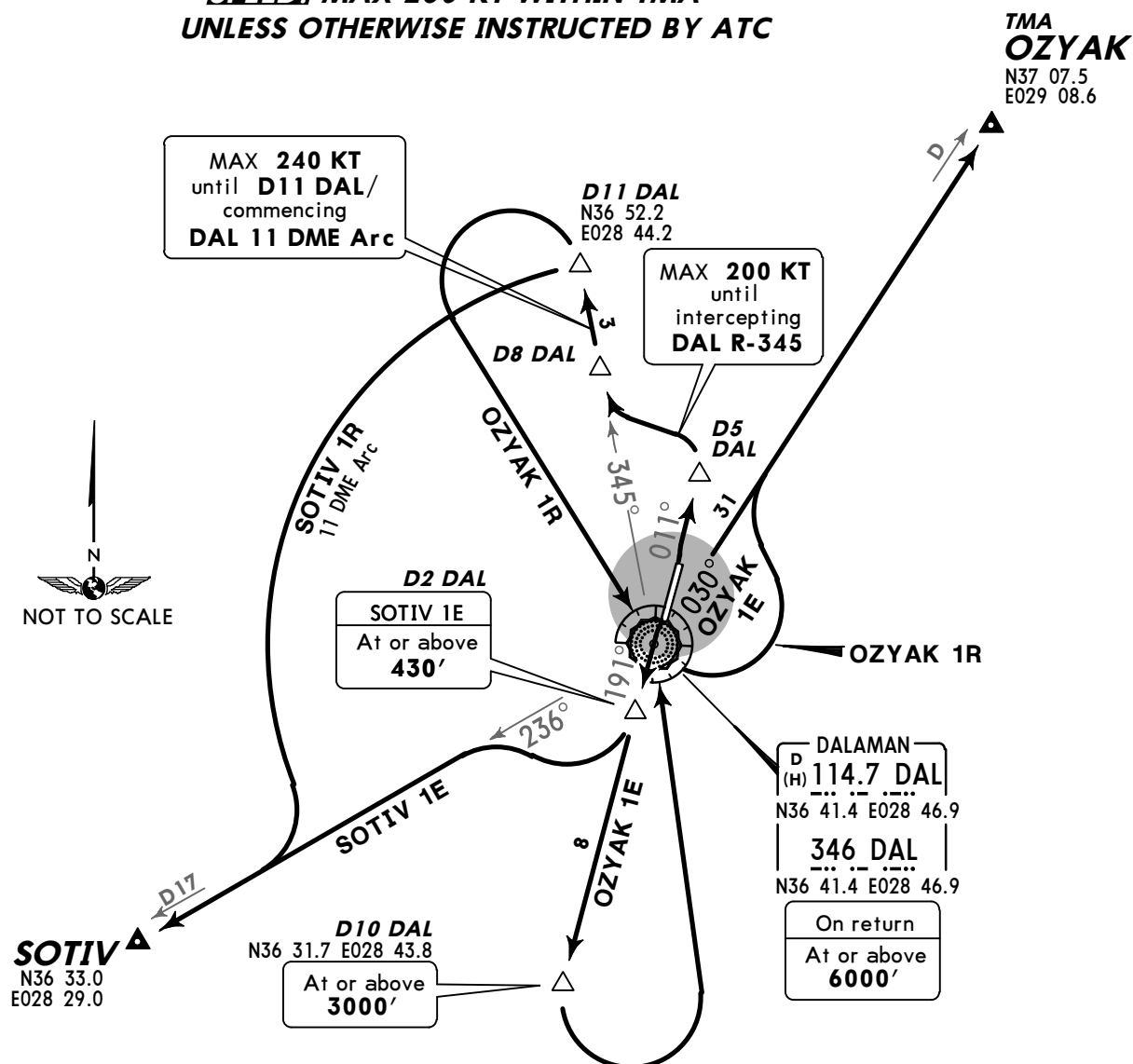
SID	RWY	ROUTING
MARIS 1E	19	Intercept DAL R-191 to D7 DAL, turn RIGHT, along DAL 7 DME arc, intercept DAL R-294 to MARIS, then join airway.
MARIS 1R	01	Intercept DAL R-011 to D5 DAL, turn LEFT, intercept DAL R-345 within DAL 8 DME to D11 DAL, turn LEFT, along DAL 11 DME arc, intercept DAL R-294 to MARIS, then join airway.
MARIS 1S	19	Intercept DAL R-191 to D10 DAL, turn LEFT to DAL, turn LEFT, DAL R-294 to MARIS, then join airway.
MARIS 1T	01	Intercept DAL R-011 to D5 DAL, turn LEFT, intercept DAL R-345 within DAL 8 DME to D11 DAL, turn LEFT to DAL, turn RIGHT, intercept DAL R-294 to MARIS, then join airway.

Apt Elev
20'

Trans level: By ATC Trans alt: 12000'



OZYAK ONE ECHO (OZYAK 1E) [OZYA1E]
OZYAK ONE ROMEO (OZYAK 1R) [OZYA1R]
SOTIV ONE ECHO (SOTIV 1E) [SOTI1E]
SOTIV ONE ROMEO (SOTIV 1R) [SOTI1R]
RWYS 19, 01 DEPARTURES
BASED ON DAL VOR/DME
SPEED MAX 250 KT WITHIN TMA
UNLESS OTHERWISE INSTRUCTED BY ATC



These SIDs require minimum climb gradients
of

OZYAK 1E, 1R, SOTIV 1R
304' per NM (5%) until crossing 7500'.

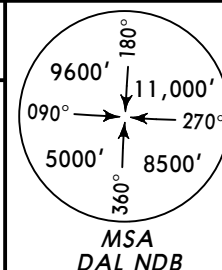
SOTIV 1E
219' per NM (3.6%) until crossing 3000'.

Gnd speed-KT	75	100	150	200	250	300
304' per NM	380	506	760	1013	1266	1519
219' per NM	273	365	547	729	911	1094

SID	RWY	ROUTING
OZYAK 1E	19	Intercept DAL R-191 to D10 DAL, turn LEFT to DAL, turn RIGHT, DAL R-030 to OZYAK, then join airway.
OZYAK 1R	01	Intercept DAL R-011 to D5 DAL, turn LEFT, intercept DAL R-345 within DAL 8 DME to D11 DAL, turn LEFT to DAL, turn LEFT, intercept DAL R-030 to OZYAK, then join airway.
SOTIV 1E	19	Intercept DAL R-191 to D2 DAL, turn RIGHT, intercept DAL R-236 to SOTIV, then join airway.
SOTIV 1R	01	Intercept DAL R-011 to D5 DAL, turn LEFT, intercept DAL R-345 within DAL 8 DME to D11 DAL, turn LEFT, along DAL 11 DME arc, intercept DAL R-236 to SOTIV, then join airway.

Apt Elev
20'

Trans level: By ATC Trans alt: 12000'

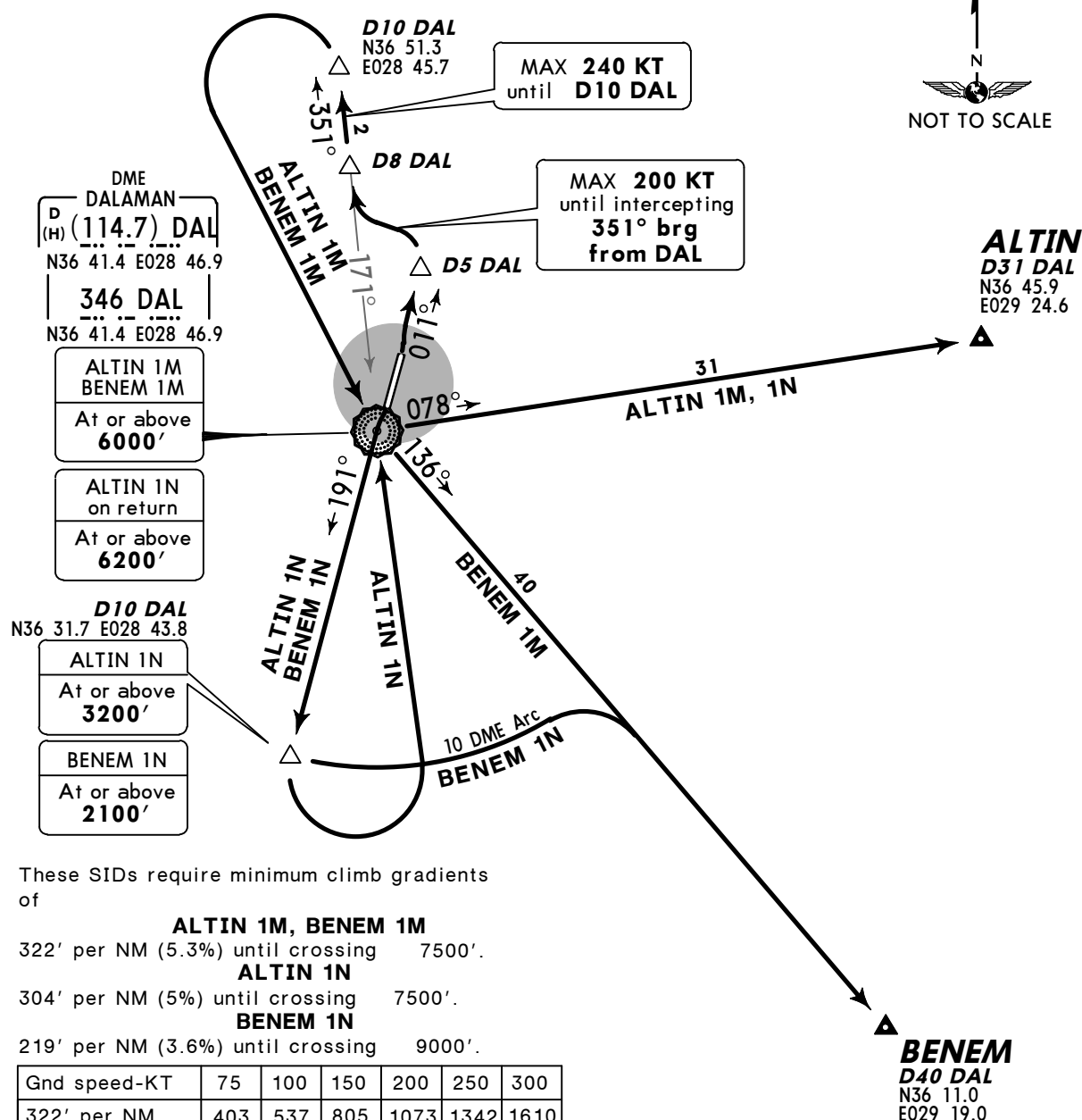


ALTIN ONE MIKE (ALTIN 1M) [ALTI1M]
ALTIN ONE NOVEMBER (ALTIN 1N) [ALTI1N]
BENEM ONE MIKE (BENEM 1M) [BENE1M]
BENEM ONE NOVEMBER (BENEM 1N)

RWYS 01, 19 DEPARTURES

BASED ON DAL NDB/DME

SPEED MAX 250 KT WITHIN TMA
UNLESS OTHERWISE INSTRUCTED BY ATC

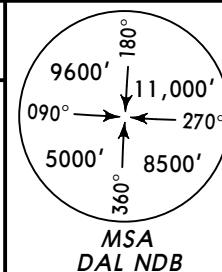


Gnd speed-KT	75	100	150	200	250	300
322' per NM	403	537	805	1073	1342	1610
304' per NM	380	506	760	1013	1266	1519
219' per NM	273	365	547	729	911	1094

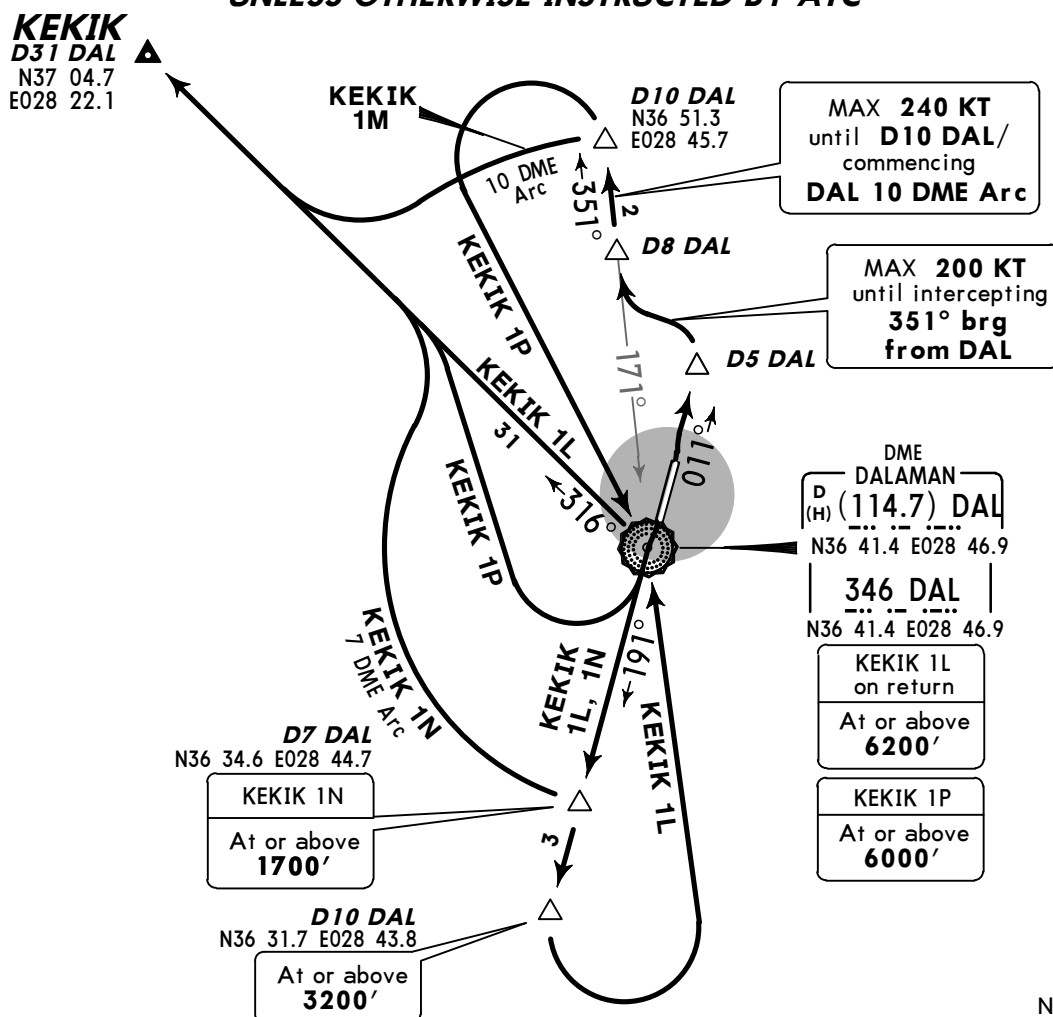
SID	RWY	ROUTING
ALTIN 1M	01	Intercept 011° bearing from DAL to D5 DAL, turn LEFT, intercept 351° bearing from DAL within DAL 8 DME to D10 DAL, turn LEFT to DAL, turn LEFT, 078° bearing to ALTIN, then join airway.
ALTIN 1N	19	Intercept 191° bearing from DAL to D10 DAL, turn LEFT to DAL, turn RIGHT, 078° bearing to ALTIN, then join airway.
BENEM 1M	01	Intercept 011° bearing from DAL to D5 DAL, turn LEFT, intercept 351° bearing from DAL within DAL 8 DME to D10 DAL, turn LEFT to DAL, turn LEFT, 136° bearing to BENEM, then join airway.
BENEM 1N	19	Intercept 191° bearing from DAL to D10 DAL, turn LEFT, along DAL 10 DME arc, intercept 136° bearing from DAL to BENEM, then join airway.

Apt Elev
20'

Trans level: By ATC Trans alt: 12000'



KEKIK ONE LIMA (KEKIK 1L) [KEKI1L]
KEKIK ONE MIKE (KEKIK 1M)
KEKIK ONE NOVEMBER (KEKIK 1N)
KEKIK ONE PAPA (KEKIK 1P) [KEKI1P]
RWYS 19, 01 DEPARTURES
BASED ON DAL NDB/DME
SPEED MAX 250 KT WITHIN TMA
UNLESS OTHERWISE INSTRUCTED BY ATC



These SIDs require minimum climb gradients of

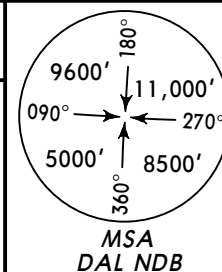
KEKIK 1L
304' per NM (5%) until crossing 7500'.
KEKIK 1M, 1P
322' per NM (5.3%) until crossing 7500'.
KEKIK 1N
292' per NM (4.8%) until crossing 7500'.

Gnd speed-KT	75	100	150	200	250	300
322' per NM	403	537	805	1073	1342	1610
304' per NM	380	506	760	1013	1266	1519
292' per NM	365	486	729	972	1215	1458

SID	RWY	ROUTING
KEKIK 1L	19	Intercept 191° bearing from DAL to D10 DAL, turn LEFT to DAL, 316° bearing to KEKIK, then join airway.
KEKIK 1M	01	Intercept 011° bearing from DAL to D5 DAL, turn LEFT, intercept 351° bearing from DAL within DAL 8 DME to D10 DAL, turn LEFT, along DAL 10 DME arc, intercept 316° bearing from DAL to KEKIK, then join airway.
KEKIK 1N	19	Intercept 191° bearing from DAL to D7 DAL, turn RIGHT, along DAL 7 DME arc, intercept 316° bearing from DAL to KEKIK, then join airway.
KEKIK 1P	01	Intercept 011° bearing from DAL to D5 DAL, turn LEFT, intercept 351° bearing from DAL within DAL 8 DME to D10 DAL, turn LEFT to DAL, turn RIGHT, intercept 316° bearing from DAL to KEKIK, then join airway.

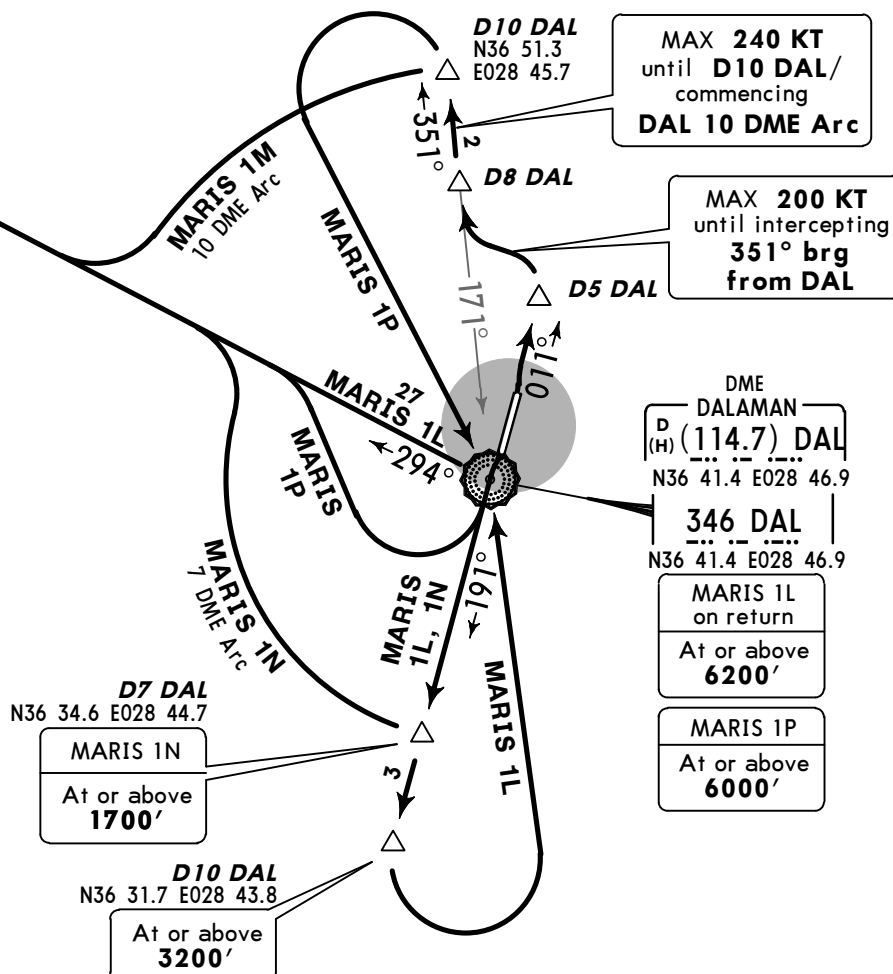
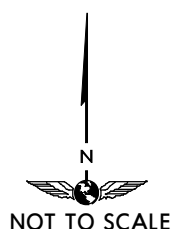
Apt Elev
20'

Trans level: By ATC Trans alt: 12000'



MARIS ONE LIMA (MARIS 1L) [MARI1L]
MARIS ONE MIKE (MARIS 1M)
MARIS ONE NOVEMBER (MARIS 1N)
MARIS ONE PAPA (MARIS 1P) [MARI1P]
RWYS 19, 01 DEPARTURES
BASED ON DAL NDB/DME
SPEED MAX 250 KT WITHIN TMA
UNLESS OTHERWISE INSTRUCTED BY ATC

MARIS
D27 DAL
N36 53.9
E028 17.0



These SIDs require minimum climb gradients of

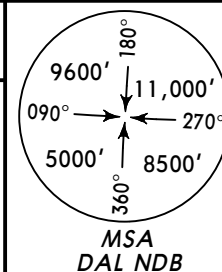
MARIS 1L
304' per NM (5%) until crossing 7500'.
MARIS 1M, 1P
322' per NM (5.3%) until crossing 7500'.
MARIS 1N
292' per NM (4.8%) until crossing 7500'.

Gnd speed-KT	75	100	150	200	250	300
322' per NM	403	537	805	1073	1342	1610
304' per NM	380	506	760	1013	1266	1519
292' per NM	365	486	729	972	1215	1458

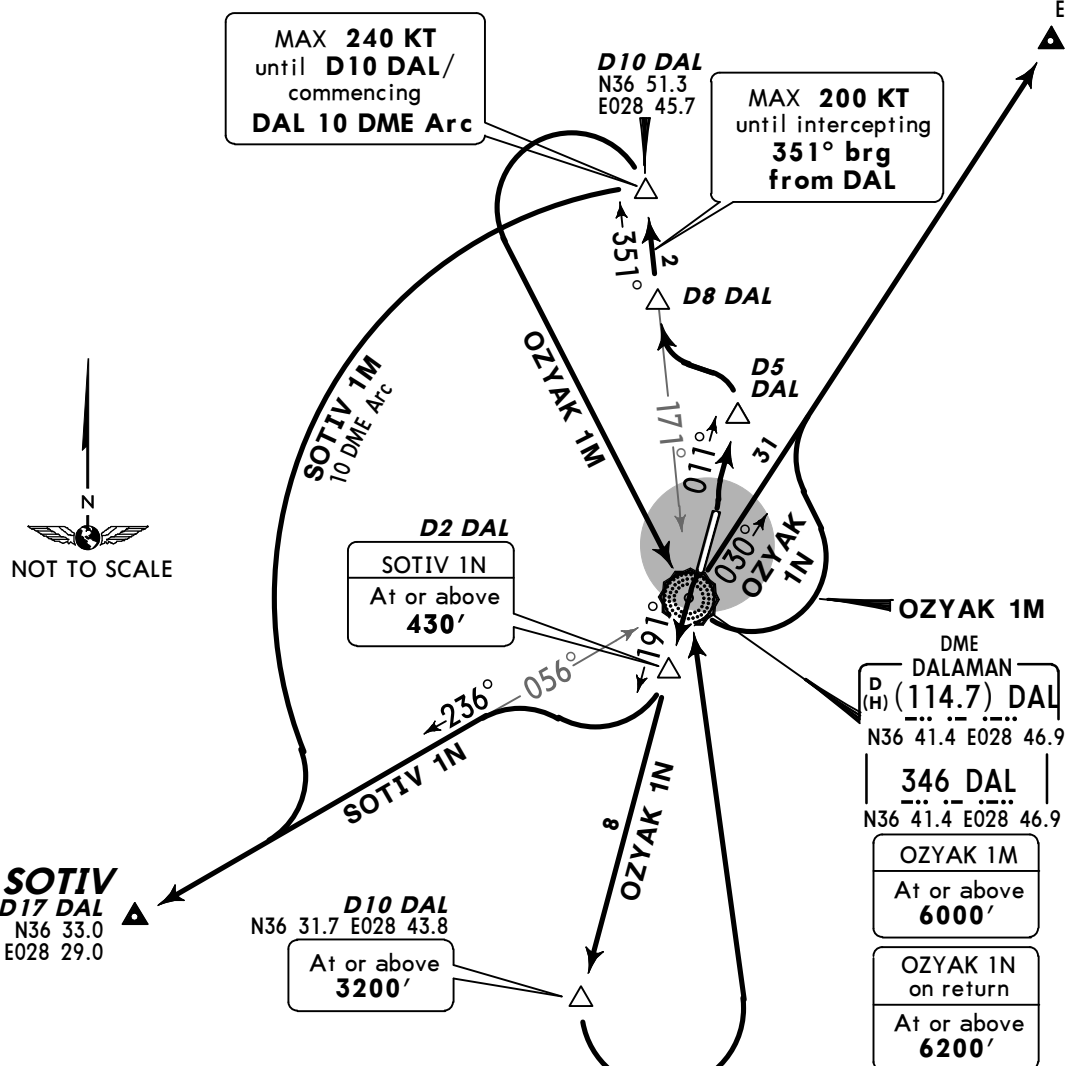
SID	RWY	ROUTING
MARIS 1L	19	Intercept 191° bearing from DAL to D10 DAL, turn LEFT to DAL, turn LEFT, 294° bearing to MARIS, then join airway.
MARIS 1M	01	Intercept 011° bearing from DAL to D5 DAL, turn LEFT, intercept 351° bearing from DAL within DAL 8 DME to D10 DAL, turn LEFT, along DAL 10 DME arc, intercept 294° bearing from DAL to MARIS, then join airway.
MARIS 1N	19	Intercept 191° bearing from DAL to D7 DAL, turn RIGHT, along DAL 7 DME arc, intercept 294° bearing from DAL to MARIS, then join airway.
MARIS 1P	01	Intercept 011° bearing from DAL to D5 DAL, turn LEFT, intercept 351° bearing from DAL within DAL 8 DME to D10 DAL, turn LEFT to DAL, turn RIGHT, intercept 294° bearing from DAL to MARIS, then join airway.

Apt Elev
20'

Trans level: By ATC Trans alt: 12000'



OZYAK ONE MIKE (OZYAK 1M) [OZYA1M]
OZYAK ONE NOVEMBER (OZYAK 1N) [OZYA1N]
SOTIV ONE MIKE (SOTIV 1M)
SOTIV ONE NOVEMBER (SOTIV 1N) [SOTI1N]
RWYS 01, 19 DEPARTURES
BASED ON DAL NDB/DME
~~SPEED~~ MAX 250 KT WITHIN TMA
UNLESS OTHERWISE INSTRUCTED BY ATC



These SIDs require minimum climb gradients of

OZYAK 1M, SOTIV 1M
322' per NM (5.3%) until crossing 7500'.
OZYAK 1N
304' per NM (5%) until crossing 7500'.
SOTIV 1N
219' per NM (3.6%) until crossing 3000'.

Gnd speed-KT	75	100	150	200	250	300
322' per NM	403	537	805	1073	1342	1610
304' per NM	380	506	760	1013	1266	1519
219' per NM	273	365	547	729	911	1094

SID	RWY	ROUTING
OZYAK 1M	01	Intercept 011° bearing from DAL to D5 DAL, turn LEFT, intercept 351° bearing from DAL within DAL 8 DME to D10 DAL, turn LEFT to DAL, turn LEFT, intercept 030° bearing from DAL to OZYAK, then join airway.
OZYAK 1N	19	Intercept 191° bearing from DAL to D10 DAL, turn LEFT to DAL, turn RIGHT, 030° bearing to OZYAK, then join airway.
SOTIV 1M	01	Intercept 011° bearing from DAL to D5 DAL, turn LEFT, intercept 351° bearing from DAL within DAL 8 DME to D10 DAL, turn LEFT, along DAL 10 DME arc, intercept 236° bearing from DAL to SOTIV, then join airway.
SOTIV 1N	19	Climb to D2 DAL, turn RIGHT, intercept 236° bearing from DAL to SOTIV, then join airway.

LTBS/DLM

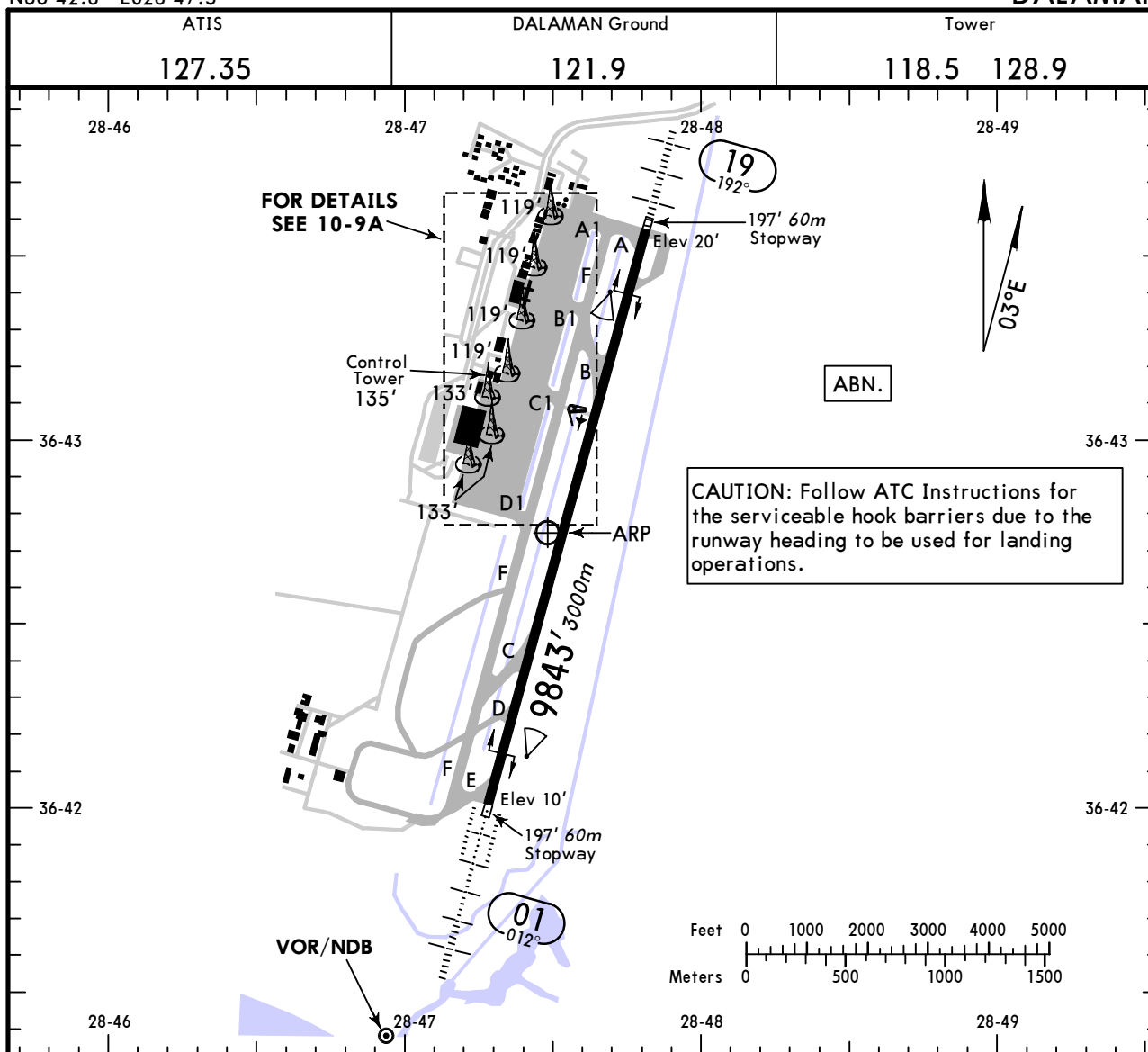
Apt Elev 20'
N36 42.8 E028 47.5

JEPPESEN

30 AUG 13 (10-9)

MUGLA, TURKEY

DALAMAN



ADDITIONAL RUNWAY INFORMATION

RWY		USABLE LENGTHS			WIDTH
		Threshold	Landing Beyond	Take-Off	
01	HIRL (60m) CL (15m) HIALS-II REIL TDZ PAPI (3.0°) RVR		8810' 2685m	1	148'
19	HIRL (60m) CL (15m) HIALS REIL PAPI (3.0°) RVR			1	45m

1 TAKE-OFF RUN AVAILABLE

RWY 01:

From rwy head 9843' (3000m)
twy C int 6781' (2067m)

RWY 19:

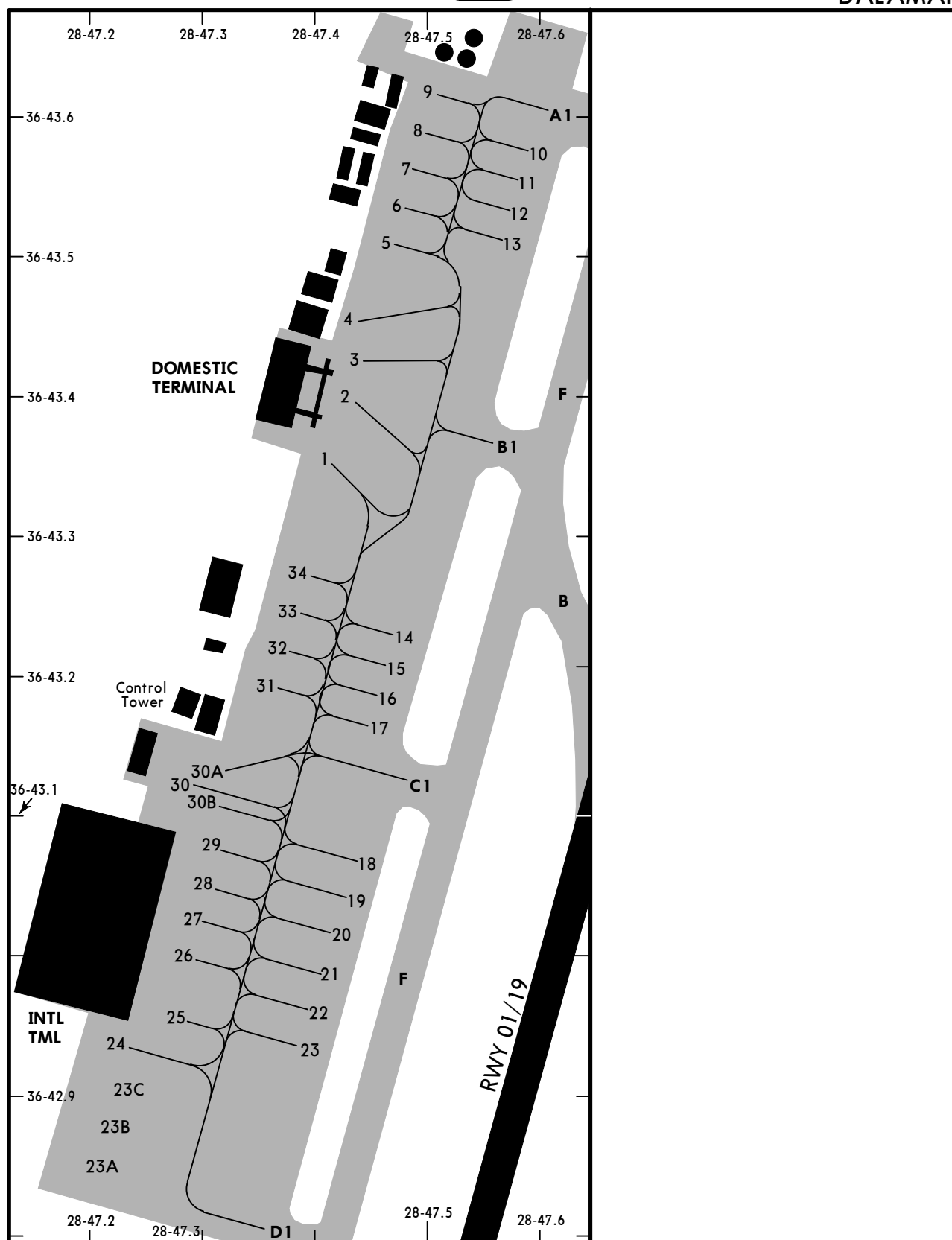
From rwy head 9843' (3000m)
twy B int 6781' (2067m)

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.



INS COORDINATES

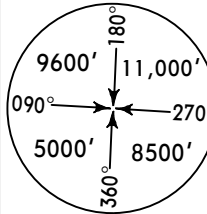
STAND No.	COORDINATES	STAND No.	COORDINATES
1, 2	N36 43.4 E028 47.4	20 thru 22	N36 43.0 E028 47.4
3	N36 43.4 E028 47.5	23	N36 42.9 E028 47.4
4	N36 43.5 E028 47.4	23A thru 24	N36 42.9 E028 47.2
5, 6	N36 43.5 E028 47.5	25 thru 27	N36 43.0 E028 47.3
7 thru 9	N36 43.6 E028 47.5	28 thru 30B	N36 43.1 E028 47.3
10, 11	N36 43.6 E028 47.6	31 thru 33	N36 43.2 E028 47.4
12, 13	N36 43.5 E028 47.6	34	N36 43.3 E028 47.4
14 thru 17	N36 43.2 E028 47.5		
18	N36 43.1 E028 47.5		
19	N36 43.0 E028 47.5		

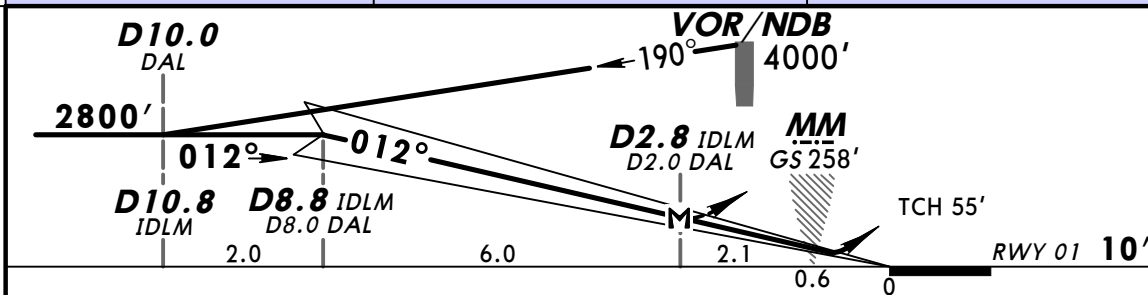
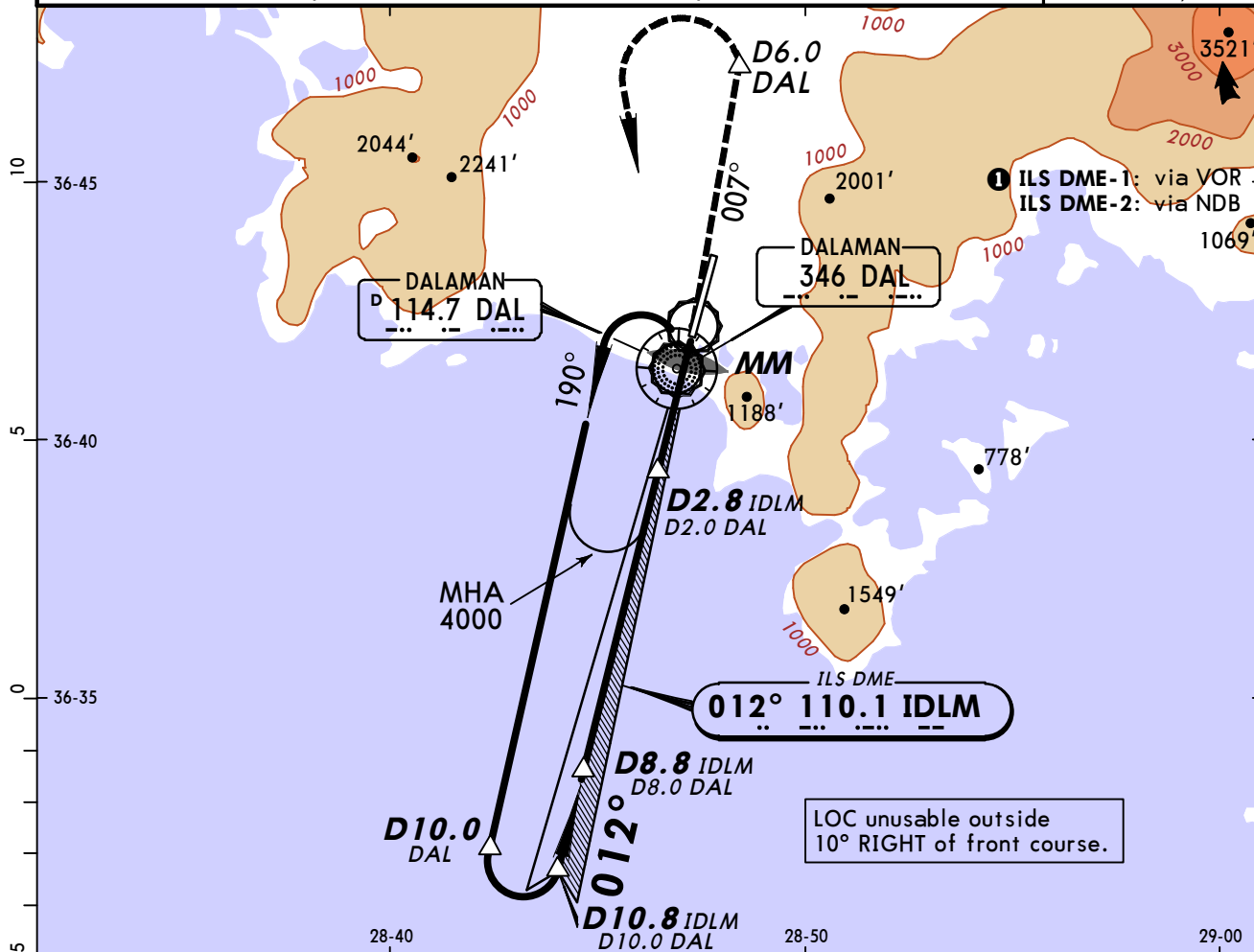
LTBS/DLM DALAMAN

28 FEB 14
Eff 6 Mar

11-1

MUGLA, TURKEY
● ILS DME-1 or -2 Rwy 01

ATIS 127.35	DALAMAN Approach (R) 119.22 122.4 124.4 126.05				DALAMAN Tower 118.5 128.9		Ground 121.9
LOC IDLM 110.1	Final Apch Crs 012°	GS D8.8 IDLM 2800' (2790')	ILS DA(H) Refer to Minimums	Apt Elev 20'	RWY 10'		
MISSED APCH: Climb on R-007/007° from NDB to D6.0 DAL, then turn LEFT climbing to cross VOR/NDB at 4000' and hold. MAX 185 KT until inbound VOR/NDB. If unable to reach 4000' at VOR/NDB, intercept R-165/165° from NDB. At 3700' turn RIGHT climbing to cross VOR/NDB at 4000' and hold.							
Alt Set: hPa	Rwy Elev: 0 hPa	Trans level: By ATC		Trans alt: 12000'			

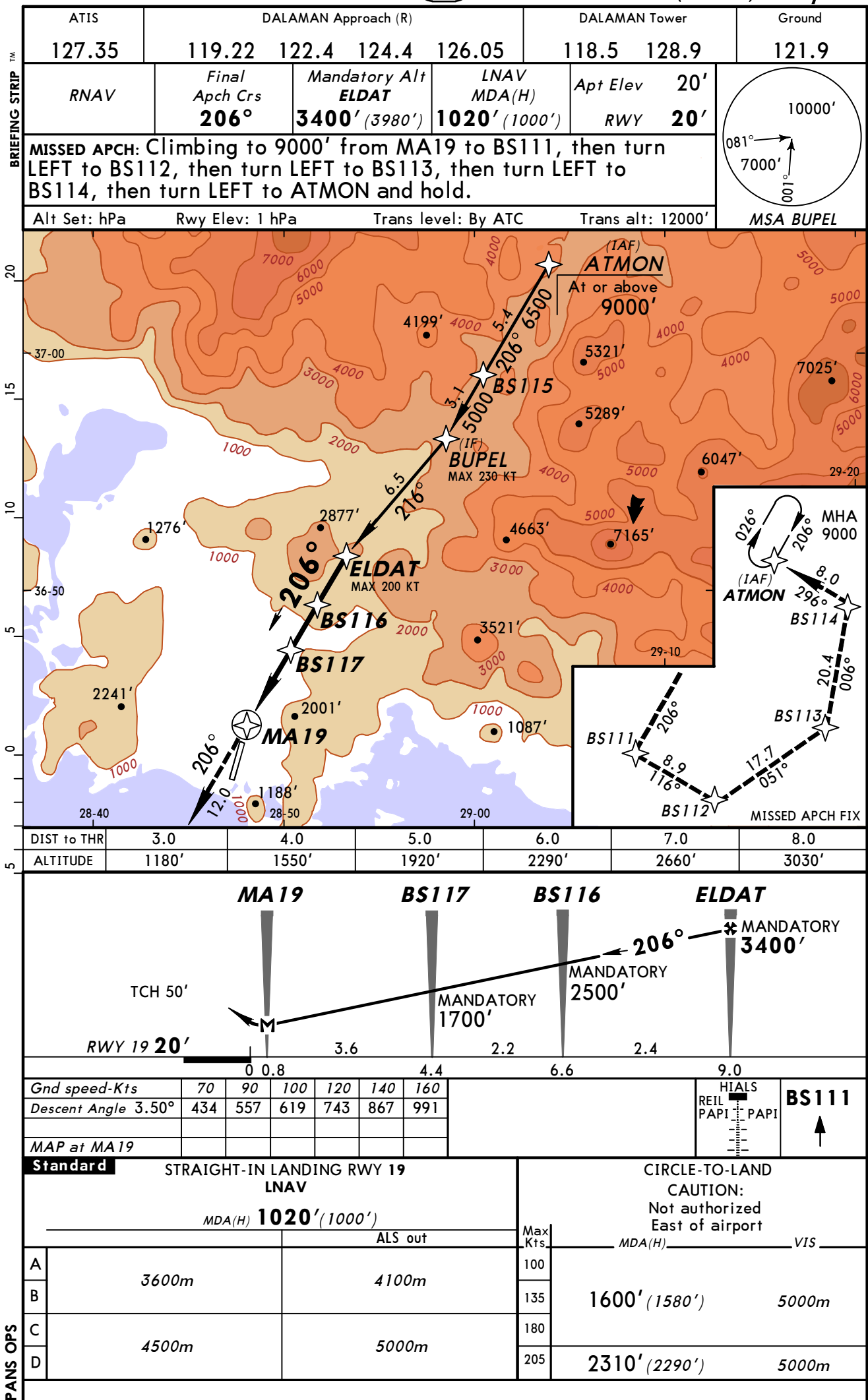


Gnd speed-Kts	70	90	100	120	140	160	HIALS-II	
ILS GS or	372	478	531	637	743	849	REIL PAPI	Refer to Missed Apch above
LOC Descent Angle 3.00°							PAPI	
MAP at D2.8 IDLM/D2.0 DAL								

STRAIGHT-IN LANDING RWY 01					CIRCLE-TO-LAND			
Missed apch climb gradient mim 5.0%			Missed apch climb gradient mim 2.5%		LOC (GS out)		Not authorized East of apt	
DA(H) 210' (200')			DA(H) 850' (840')		MDA(H) 900' (890')		Max Kts	
FULL	Limited	ALS out	FULL/Limited	ALS out		ALS out	MDA(H)	VIS
A				RVR 1500m		RVR 1500m	100	
B							135	1600' (1580') 5000m
C	RVR 550m	RVR 750m	RVR 1200m				180	
D				CVM 2400m		CMV 2400m	205	2310' (2290') 5000m

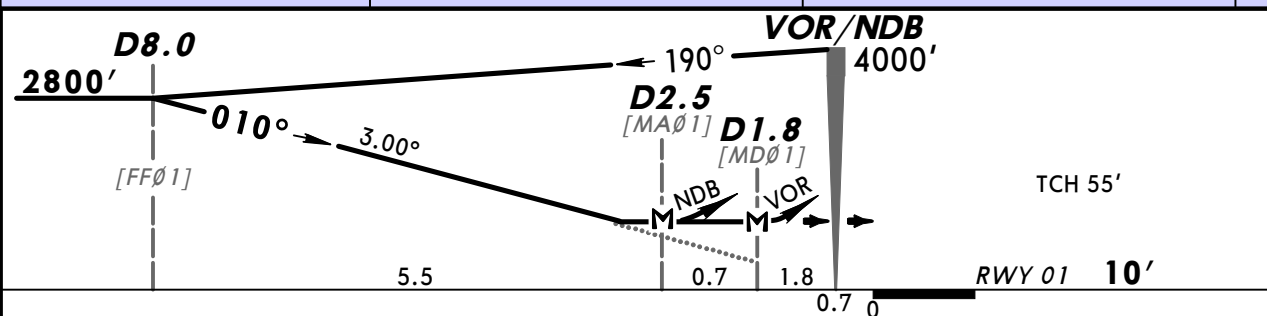
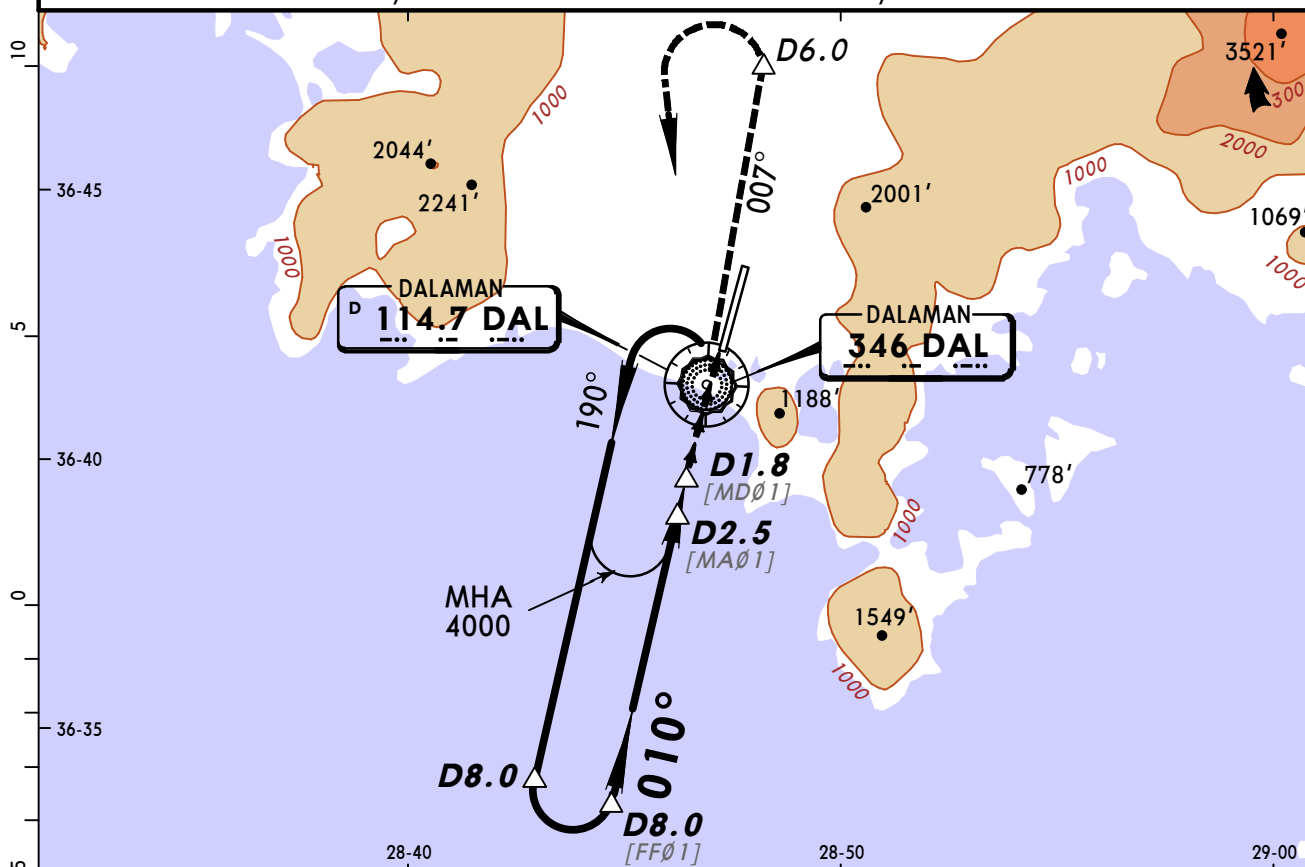
CHANGES: None.

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ATIS 127.35	DALAMAN Approach (R) 119.22 122.4 124.4 126.05	DALAMAN Tower 118.5 128.9	Ground 121.9
VOR DAL 114.7	Final Apch Crs 010°	Minimum Alt D8.0 2800' (2790')	VOR MDA(H) 900' (890')
NDB DAL 346			NDB MDA(H) 1200' (1190')
MISSED APCH: Climb on R-007 to D6.0, then turn LEFT climbing to cross VOR/NDB at 4000' and hold. MAX 185 KT until inbound VOR/NDB. If unable to reach 4000' at VOR, intercept and follow R-165. At 3500' turn RIGHT climbing to cross VOR at 4000' and hold.			Apt Elev 20' RWY 10'

Alt Set: hPa Rwy Elev: 0 hPa Trans level: By ATC Trans alt: 12000'



Gnd speed-Kts	70	90	100	120	140	160	HIALS-II	185 KT	D6.0	DAL
Descent Angle 3.00°	372	478	531	637	743	849	REIL PAPI	MAX	↑	114.7
VOR: MAP at D1.8										
NDB: MAP at D2.5										

STRAIGHT-IN LANDING RWY 01				CIRCLE-TO-LAND	
VOR		NDB		Not authorized East of apt	
MDA(H) 900' (890')		MDA(H) 1200' (1190')		Max Kts	MDA(H) VIS
ALS out		ALS out		100	
A	2800m	3500m	3900m	135	1600' (1580') 5000m
B				180	
C	3600m	4300m	4800m	205	2310' (2290') 5000m
D					

LTBS/DLM
DALAMAN

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14 JUN 13 (13-2)

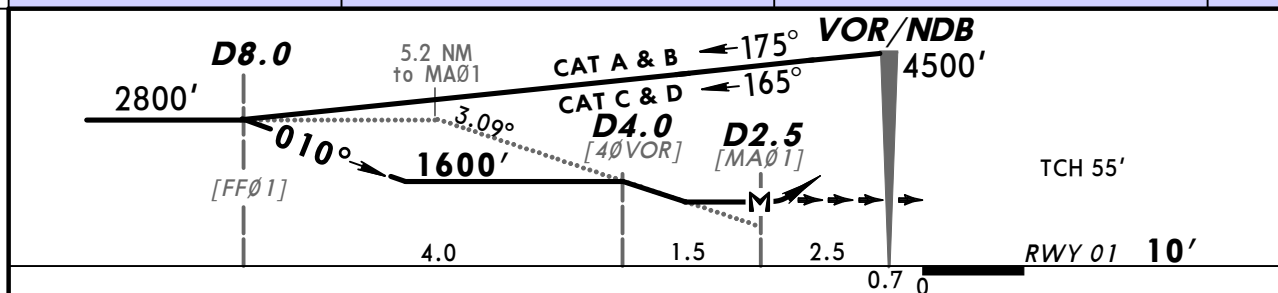
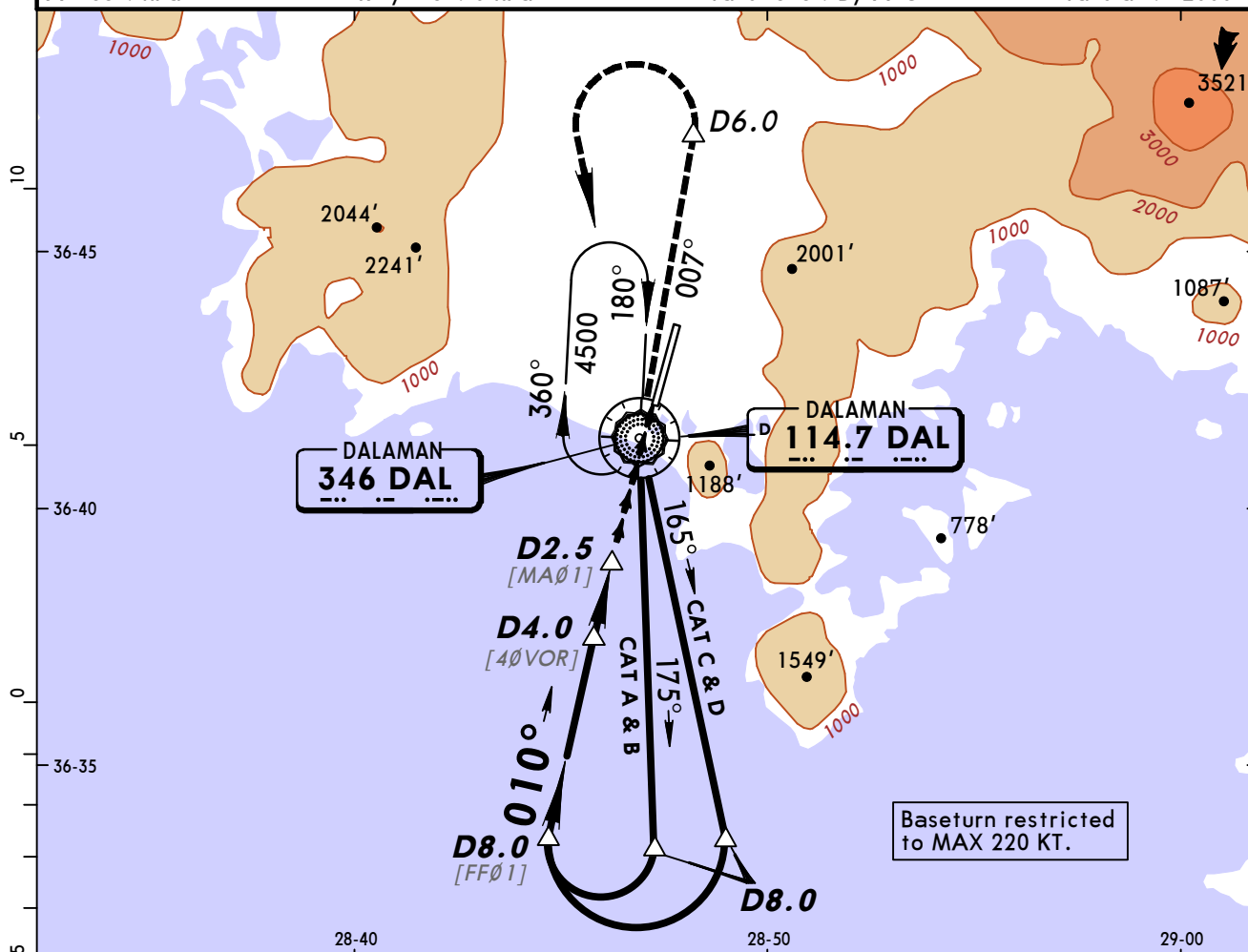
MUGLA, TURKEY
VOR DME-2 or NDB DME-2 Rwy 01

BRIEFING STRIP™

ATIS		DALAMAN Approach (R)				DALAMAN Tower		Ground
127.35	119.22	122.4	124.4	126.05	118.5	128.9	121.9	
VOR DAL 114.7	NDB DAL 346	Final Apch Crs 010°	Minimum Alt D4.0 1600' (1590')	MDA(H) 1200' (1190')		Apt Elev 20' RWY 10'		
MISSED APCH: Climb to VOR/NDB, continue climb on 007° to 2400' within D6.0, then turn LEFT climbing to 4500' to VOR/NDB and hold. MAX 185 KT until inbound VOR/NDB.								

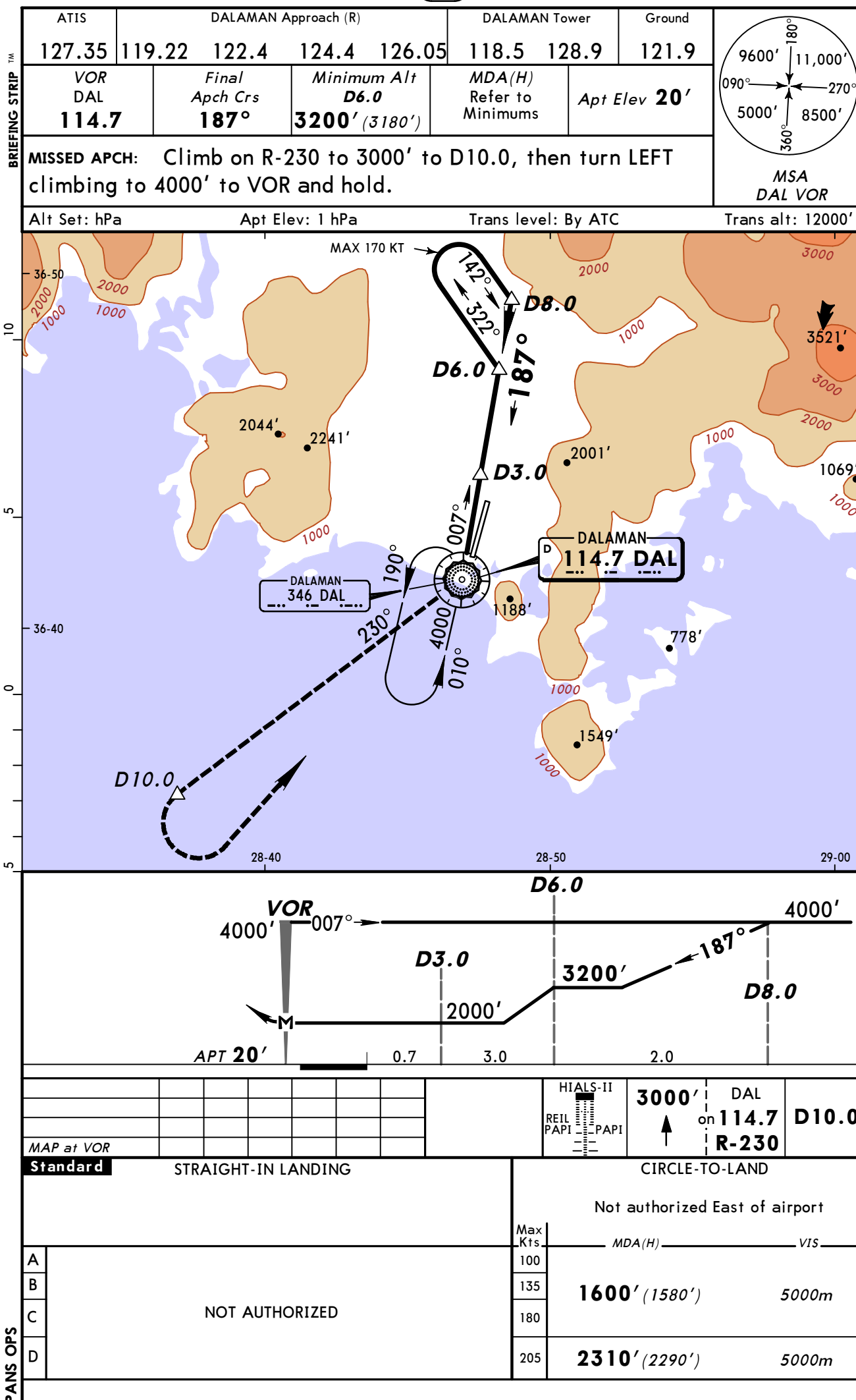
MSA
DAL VOR/NDB

Alt Set: hPa Rwy Elev: 0 hPa Trans level: By ATC Trans alt: 12000'



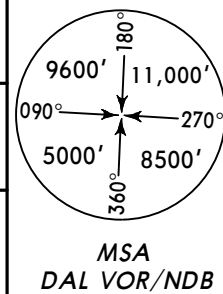
Gnd speed-Kts	70	90	100	120	140	160	 HIALS-II REIL PAPI	185 KT MAX	DAL 114.7 346
Descent Angle	3.09°	383	492	547	656	765			
MAP at D2.5									

Standard		STRAIGHT-IN LANDING RWY 01				CIRCLE-TO-LAND			
						Not authorized East of airport			
MDA(H) 1200' (1190')						MDA(H) _____ VIS _____			
		ALS out				Max Kts.			
A	3900m		4600m			100	1600' (1580') 5000m		
B						135			
C	4800m		5000m			180			
D						205	2310' (2290') 5000m		

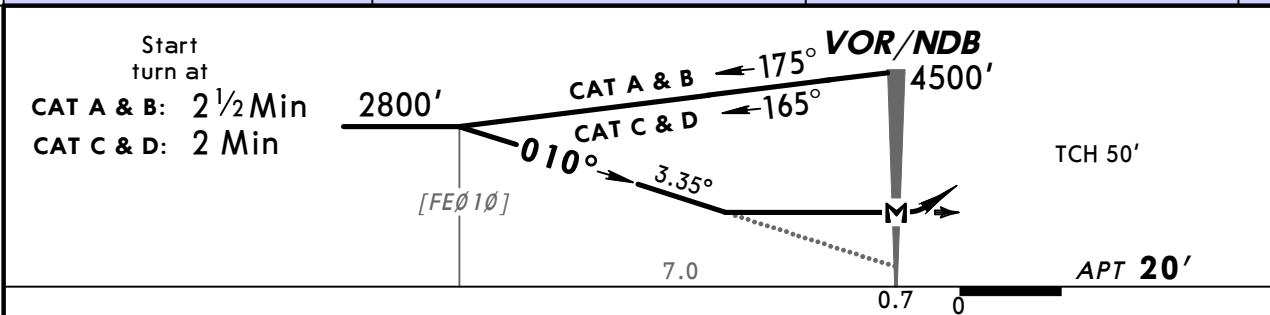
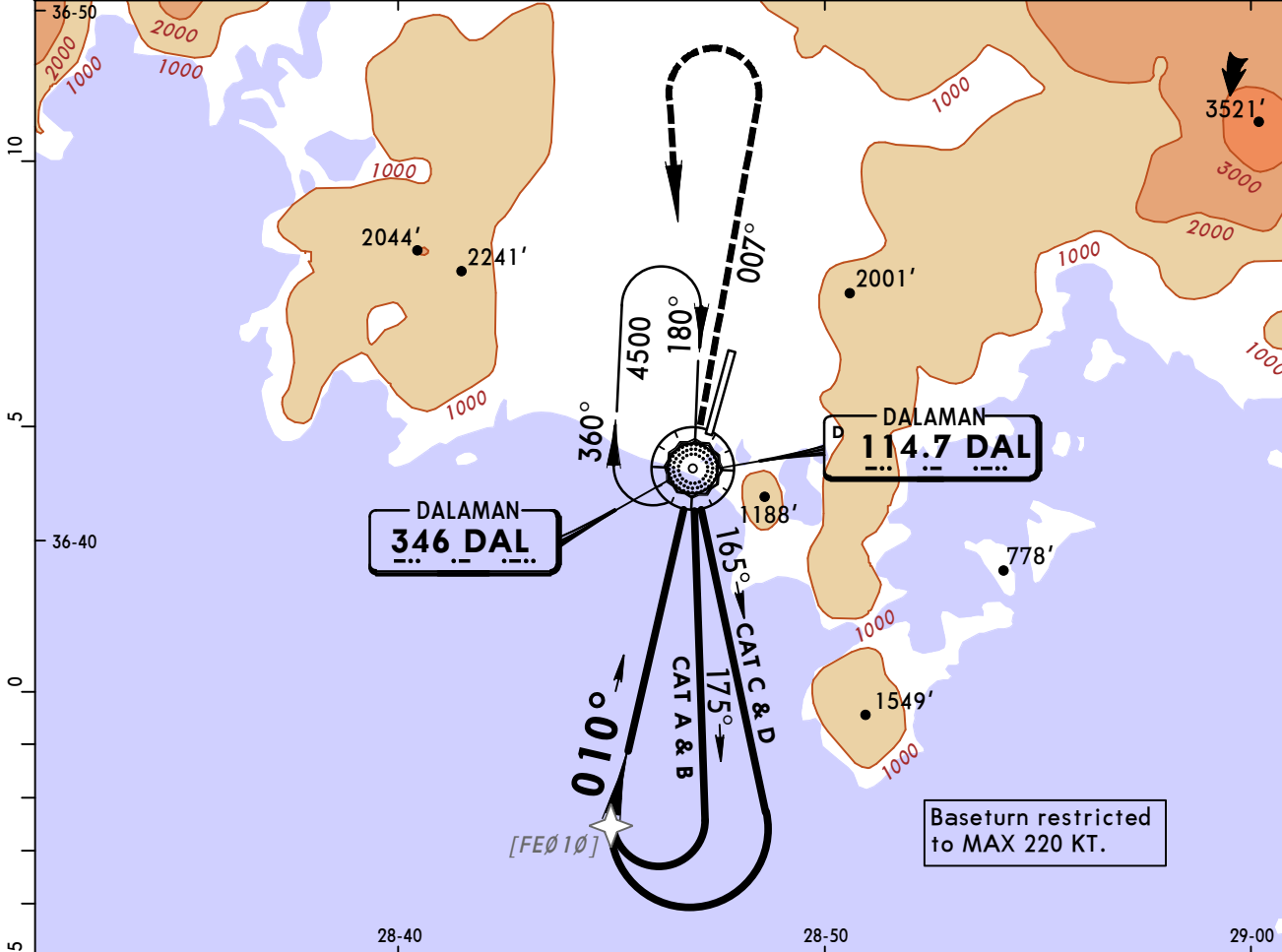


BRIEFING STRIP	DALAMAN Approach (R)				DALAMAN Tower		Ground
	ATIS	119.22	122.4	124.4	126.05	118.5 128.9	121.9
	VOR DAL 114.7	NDB DAL 346	Final Apch Crs 010°	Minimum Alt No FAF	MDA(H) Refer to Minimums	Apt Elev 20'	

MISSED APCH: Climb on 007° to 2400', then turn LEFT climbing to 4500' to VOR/NDB and hold. MAX 185 KT until inbound VOR/NDB.



Alt Set: hPa Apt Elev: 1 hPa Trans level: By ATC Trans alt: 12000'



Gnd speed-Kts	70	90	100	120	140	160
Descent Angle 3.35°	415	534	593	711	830	948
MAP at VOR/NDB						

Lighting-Refer to Airport Chart

2400' on 007°

PANS OPS	Standard STRAIGHT-IN LANDING		CIRCLE-TO-LAND	
			Not authorized East of airport	
			Max Kts	MDA(H) VIS
			100	
			135	1600' (1580') 5000m
			180	
			205	2310' (2290') 5000m

NOT AUTHORIZED

LTBS/DLM
DALAMAN

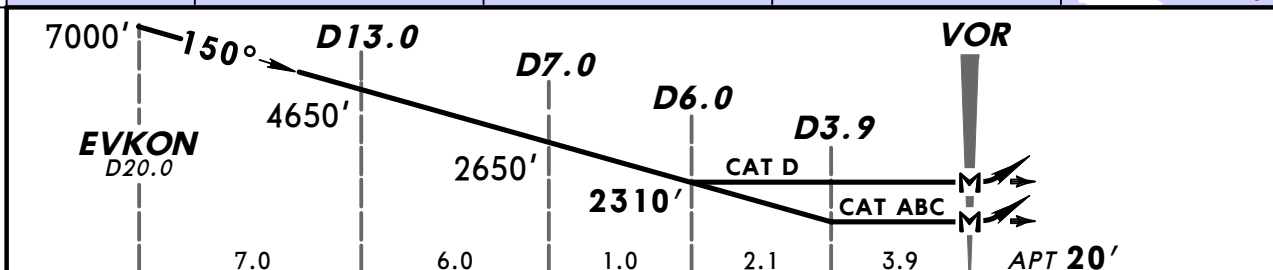
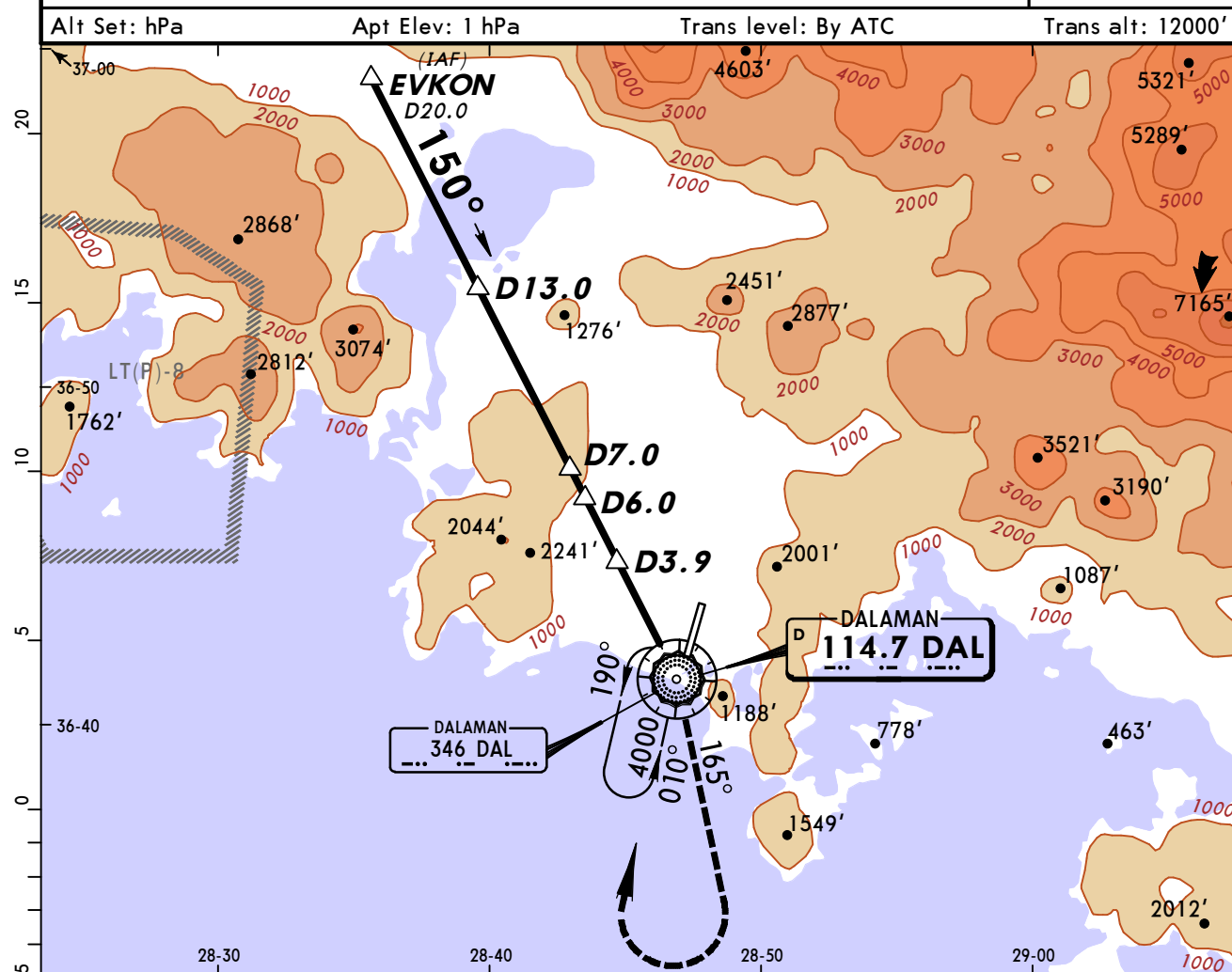
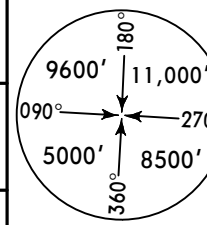
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14 JUN 13 (13-5)

MUGLA, TURKEY
VOR DME-3

BRIEFING STRIP™

ATIS	DALAMAN Approach (R)				DALAMAN Tower		Ground
127.35	119.22	122.4	124.4	126.05	118.5	128.9	121.9
VOR DAL 114.7	Final Apch Crs 150°	Minimum Alt D6.0 2310' (2290')	MDA(H) Refer to Minimums		Apt Elev 20'		
MISSED APCH: Climb on R-165 to 3100', then turn RIGHT climbing to 4000' to VOR and hold.							

A circular altimeter diagram with a central crosshair. The top is labeled 180°, the right 270°, the bottom 360°, and the left 090°. Four altitudes are marked: 9600' at the top, 11,000' at the top-right, 8500' at the bottom-right, and 5000' at the bottom. The text 'MSA' and 'DAL VOR' is at the bottom.



MAP at VOR				Lighting-Refer to Airport Chart		3100'	DAL
						↑	on 114.7
							R-165

Standard				CIRCLE-TO-LAND			
STRAIGHT-IN LANDING				Not authorized East of airport			
NOT AUTHORIZED				Max Kts	MDA(H)	VIS	
				100			
				135	1600' (1580')	5000m	
				180			
				205	2310' (2290')	5000m	

CHANGES: Rwy 01L/19R withdrawn.

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MUGLA, (DALAMAN - LTBS)

TERMINAL CHART CHANGE NOTICES

No Chart Change Notices for Airport LTBS