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Changed chart(s) since Disc 26-2012

ADD = Added chart, REV = Revised chart, DEL = Deleted chart.

ACT	PROCEDURE IDENT	INDEX	REV DATE	EFF DATE
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No revision activity since Disc 26-2012

TERMINAL CHART NOTAMs

No Chart NOTAMs for Airport URML

URML (Uytash)**General Info**

Makhachkala, RUS

N 42° 49.0' E 47° 39.2' Mag Var: 5.5°E

Elevation: 15'

Public, IFR, Control Tower, Customs, Landing Fee

Fuel: Jet A-1

Time Zone Info: GMT+4:00 no DST

Runway Info

Runway 14-32 8661' x 138' concrete

Runway 14 (142.0°M) TDZE -1'

Lights: Edge, ALS

Runway 32 (322.0°M) TDZE 12'

Lights: Edge, ALS

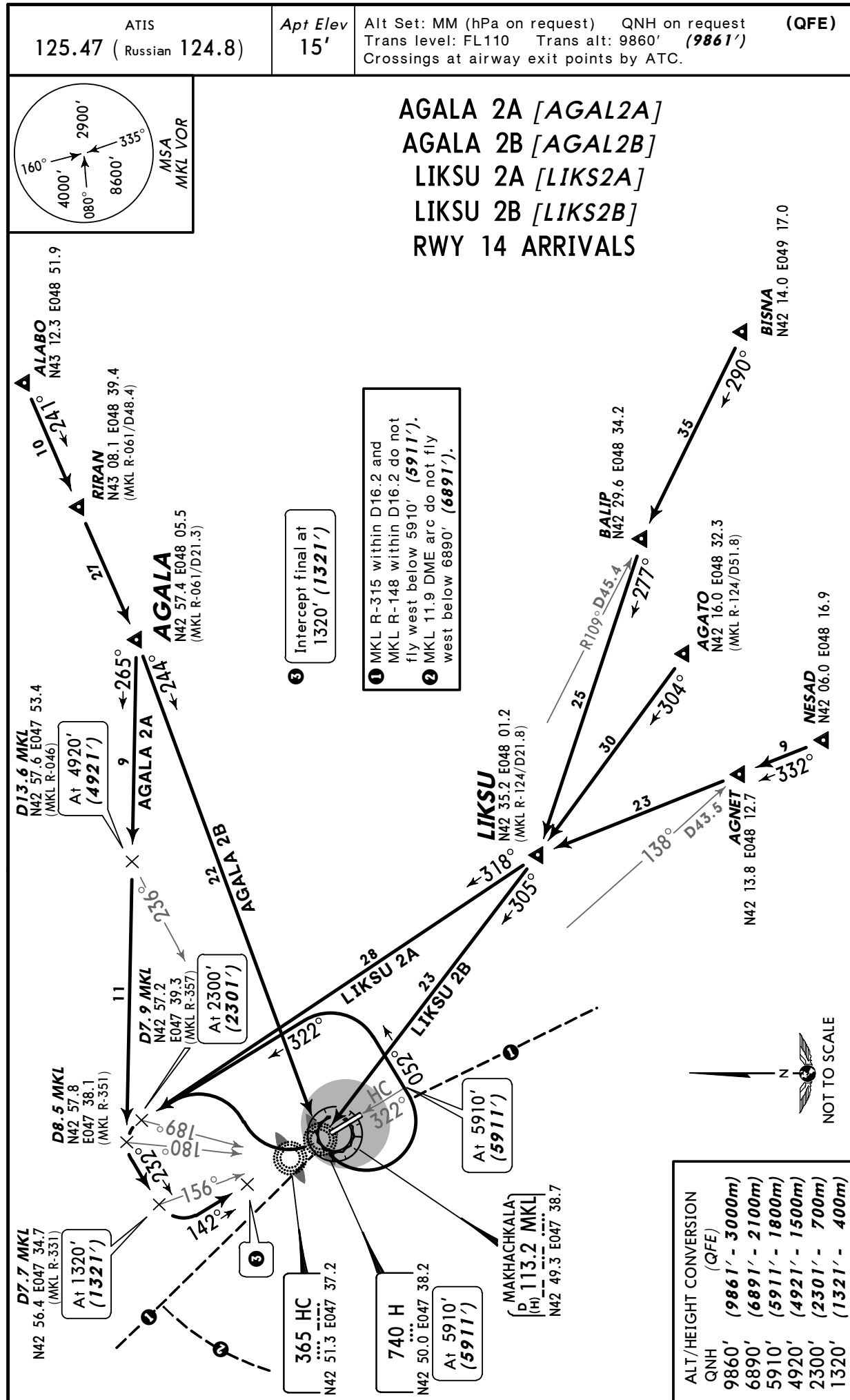
Communications InfoATIS **125.475**ATIS **124.8** Non-EnglishMakhachkala Start Tower **121.3** Non-EnglishMakhachkala Approach Control **119.7** Non-EnglishMakhachkala Krug Radar **121.3****Notebook Info**

URML/MCX
UYTASH

JEPPESEN
27 JAN 12 10-2 Eff 9 Feb

MAKHACHKALA, RUSSIA

STAR



URML/MCX
UYTASH

27 JAN 12 (10-2A) Eff 9 Feb

MAKHACHKALA, RUSSIA

STAR

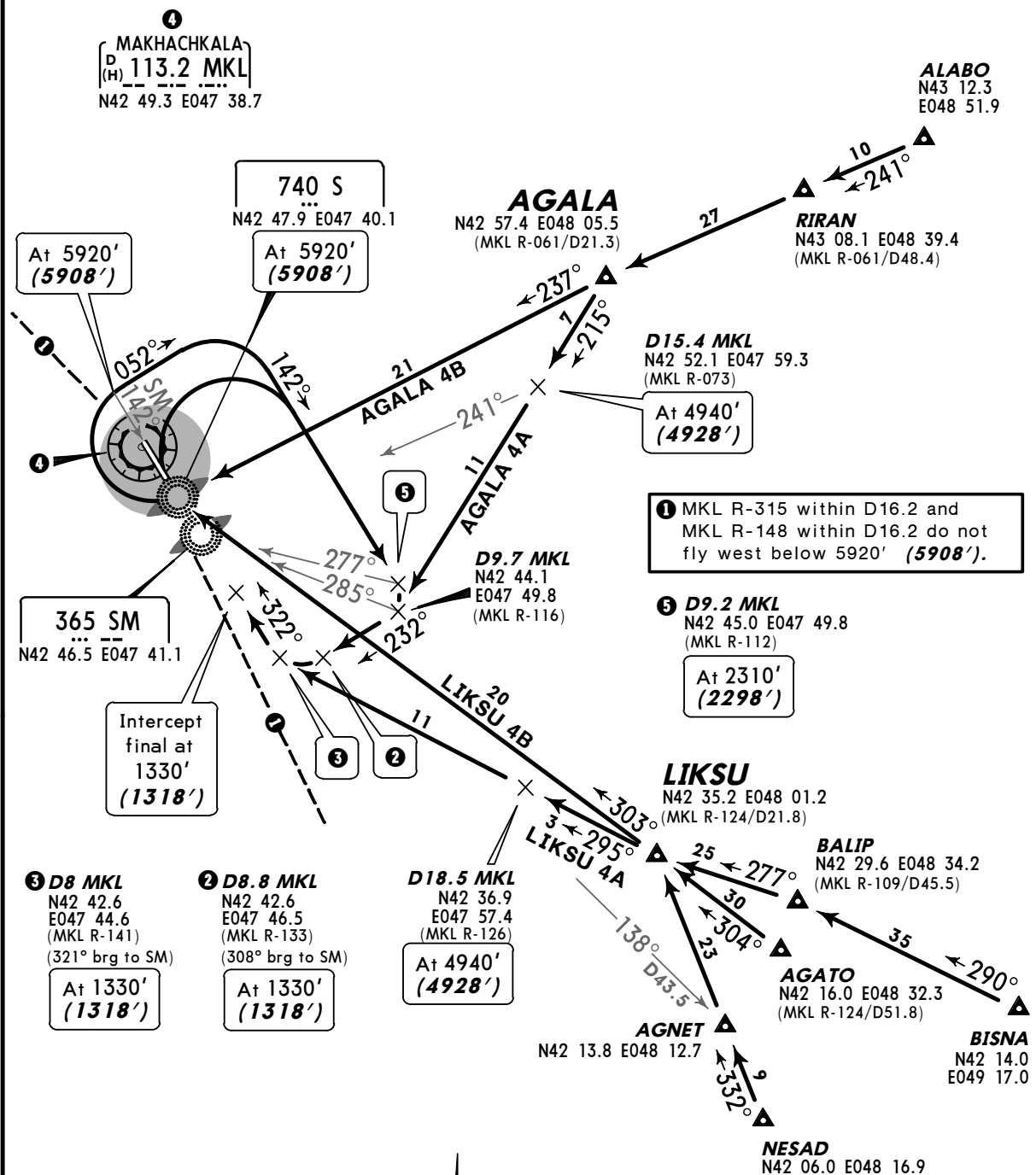
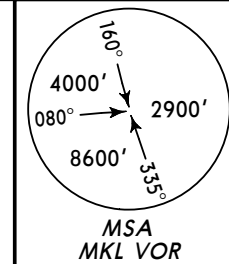
ATIS
125.47 (Russian 124.8)

Apt Elev
15'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL110 Trans alt: 9860' (9848')
Crossings at airway exit points by ATC.

(QFE)

AGALA 4A [AGAL4A]
AGALA 4B [AGAL4B]
LIKSU 4A [LIKS4A]
LIKSU 4B [LIKS4B]
RWY 32 ARRIVALS



ALT/HEIGHT CONVERSION	
QNH	(QFE)
9860'	(9848' - 3000m)
5920'	(5908' - 1800m)
4940'	(4928' - 1500m)
2310'	(2298' - 700m)
1330'	(1318' - 400m)



URML/MCX
UYTASH

JEPPESEN
27 JAN 12 (10-2B) Eff 9 Feb

MAKHACHKALA, RUSSIA

STAR

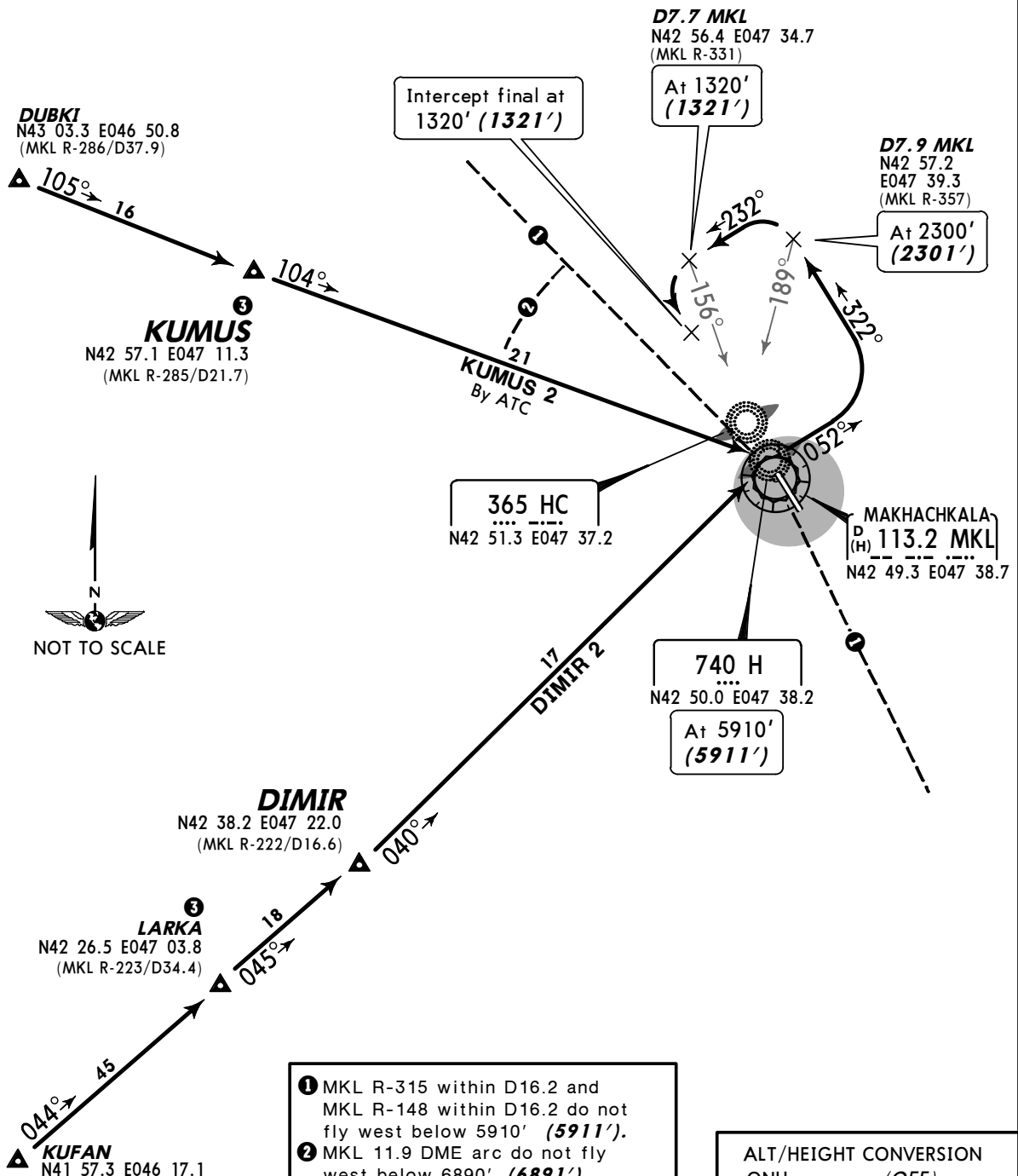
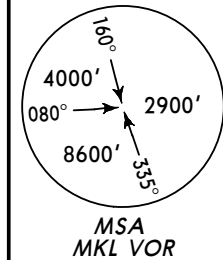
ATIS
125.47 (Russian 124.8)

Apt Elev
15'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL110 Trans alt: 9860' (9861')
Crossings at airway exit points by ATC.

(QFE)

DIMIR 2
KUMUS 2
BY ATC
RWY 14 ARRIVALS



- 1 MKL R-315 within D16.2 and MKL R-148 within D16.2 do not fly west below 5910' (5911').
- 2 MKL 11.9 DME arc do not fly west below 6890' (6891').
- 3 Flights from LARKA, KUMUS are allowed under radar control and steady operation of airborne navigation equipment.

ALT/HEIGHT CONVERSION

QNH	(QFE)
9860'	(9861' - 3000m)
6890'	(6891' - 2100m)
5910'	(5911' - 1800m)
2300'	(2301' - 700m)
1320'	1321' - 400m)

URML/MCX
UYTASH

JEPPESSEN
27 JAN 12 10-2C

Eff 9 Feb

MAKHACHKALA, RUSSIA

STAR

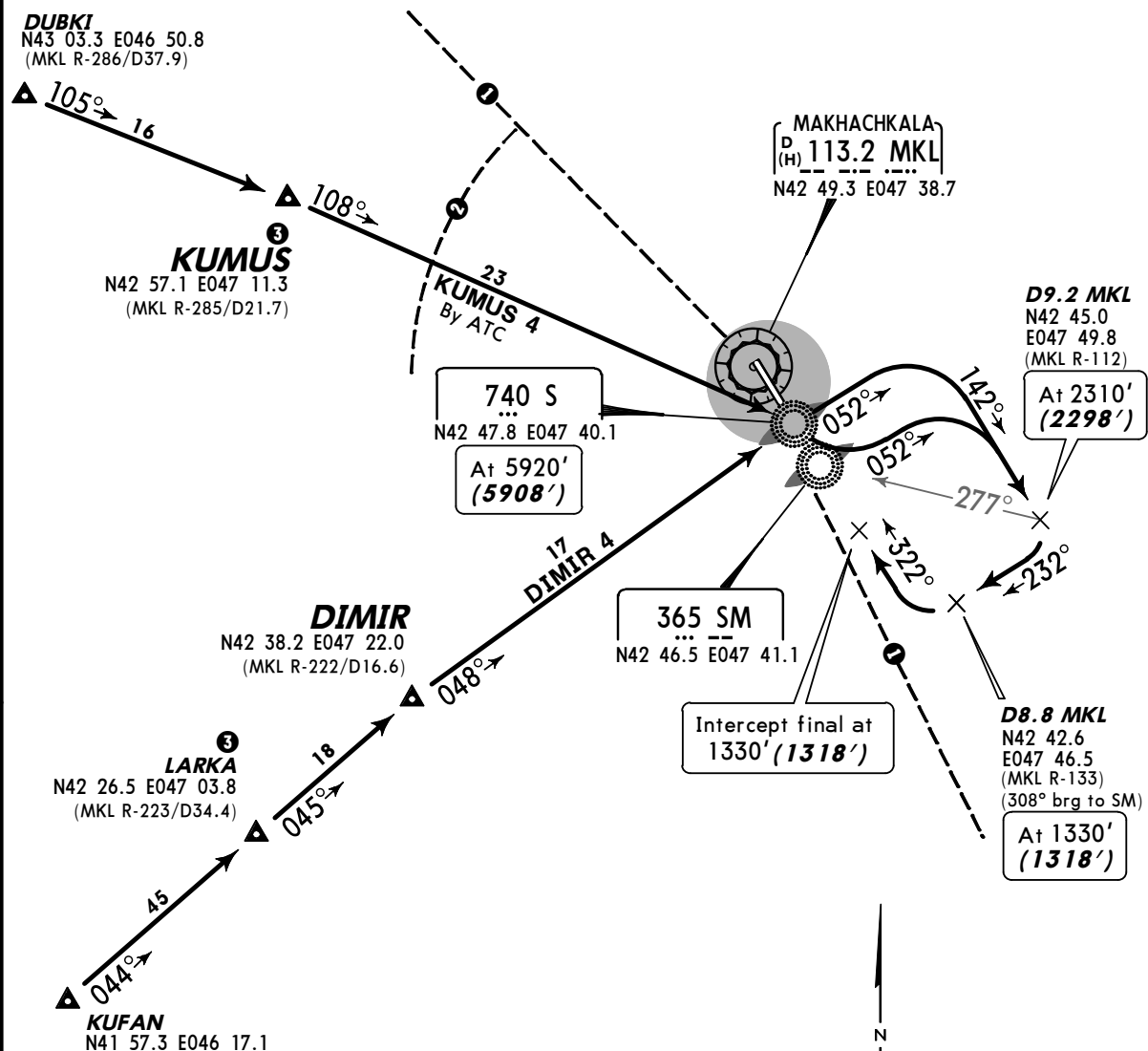
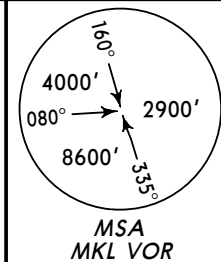
ATIS
125.47 (Russian 124.8)

Apt Elev
15'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL110 Trans alt: 9860' (9848')
Crossings at airway exit points by ATC.

(QFE)

DIMIR 4
KUMUS 4
BY ATC
RWY 32 ARRIVALS



- ① MKL R-315 within D16.2 and MKL R-148 within D16.2 do not fly west below 5920' (5908').
- ② MKL 11.9 DME arc do not fly west below 6910' (6898').
- ③ Flights from LARKA, KUMUS are allowed under radar control and steady operation of airborne navigation equipment.

ALT/HEIGHT CONVERSION	
QNH	(QFE)
9860'	(9848' - 3000m)
6910'	(6898' - 2100m)
5920'	(5908' - 1800m)
2310'	(2298' - 700m)
1330'	(1318' - 400m)

URML/MCX
UYTASH

JEPPESEN MAKHACHKALA, RUSSIA
27 JAN 12 (10-2D) Eff 9 Feb STAR

ATIS
125.47 (Russian 124.8)

Apt Elev
15'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL110 Trans alt: 9860' (9861')
Crossings at airway exit points by ATC.

(QFE)

KIZLYAR
455 KZ
N43 50.1 E046 42.8

INGUT
N43 35.2 E046 56.2
(MKL R-320/D55.4)

ATBEL
N43 07.1 E047 22.6
(MKL R-320/D21.6)

DETIR
N44 31.4 E047 20.1

AMKOL
N43 37.1 E047 30.0
(MKL R-346/D48.2)

PERAT
N43 10.4 E047 35.2
(MKL R-347/D21.3)

MAKHACHKALA
822 TA
N42 58.5 E047 31.4
At 3450'
(3451')

D11 MKL
N42 58.9 E047 31.3
(MKL R-324)
(145° brg to HC)

D7.7 MKL
N42 56.4 E047 34.7
(MKL R-331)
At 1320'
(1321')

D7.9 MKL
N42 57.2 E047 39.3
(MKL R-357)
At 2300'
(2301')

ATBEL 2A [ATBE2A]
ATBEL 2B [ATBE2B]
PERAT 2A [PERA2A]
PERAT 2B [PERA2B]
RWY 14 ARRIVALS

Intercept final at
1320' (1321')

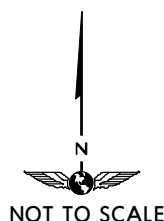
365 HC
N42 51.3 E047 37.2

740 H
N42 50.0 E047 38.2
At 5910'
(5911')

MAKHACHKALA
D(H) 113.2 MKL
N42 49.3 E047 38.7

ALT/HEIGHT CONVERSION

QNH	(QFE)
9860'	(9861' - 3000m)
6890'	(6891' - 2100m)
5910'	(5911' - 1800m)
3450'	(3451' - 1050m)
2300'	(2301' - 700m)
1320'	(1321' - 400m)



- 1 MKL R-315 within D16.2 and MKL R-148 within D16.2 do not fly west below 5910' (5911').
- 2 MKL 11.9 DME arc do not fly west below 6890' (6891').
- 3 Available when TA u/s.

URML/MCX
UYTASH

27 JAN 12

10-2E

Eff 9 Feb

MAKHACHKALA, RUSSIA

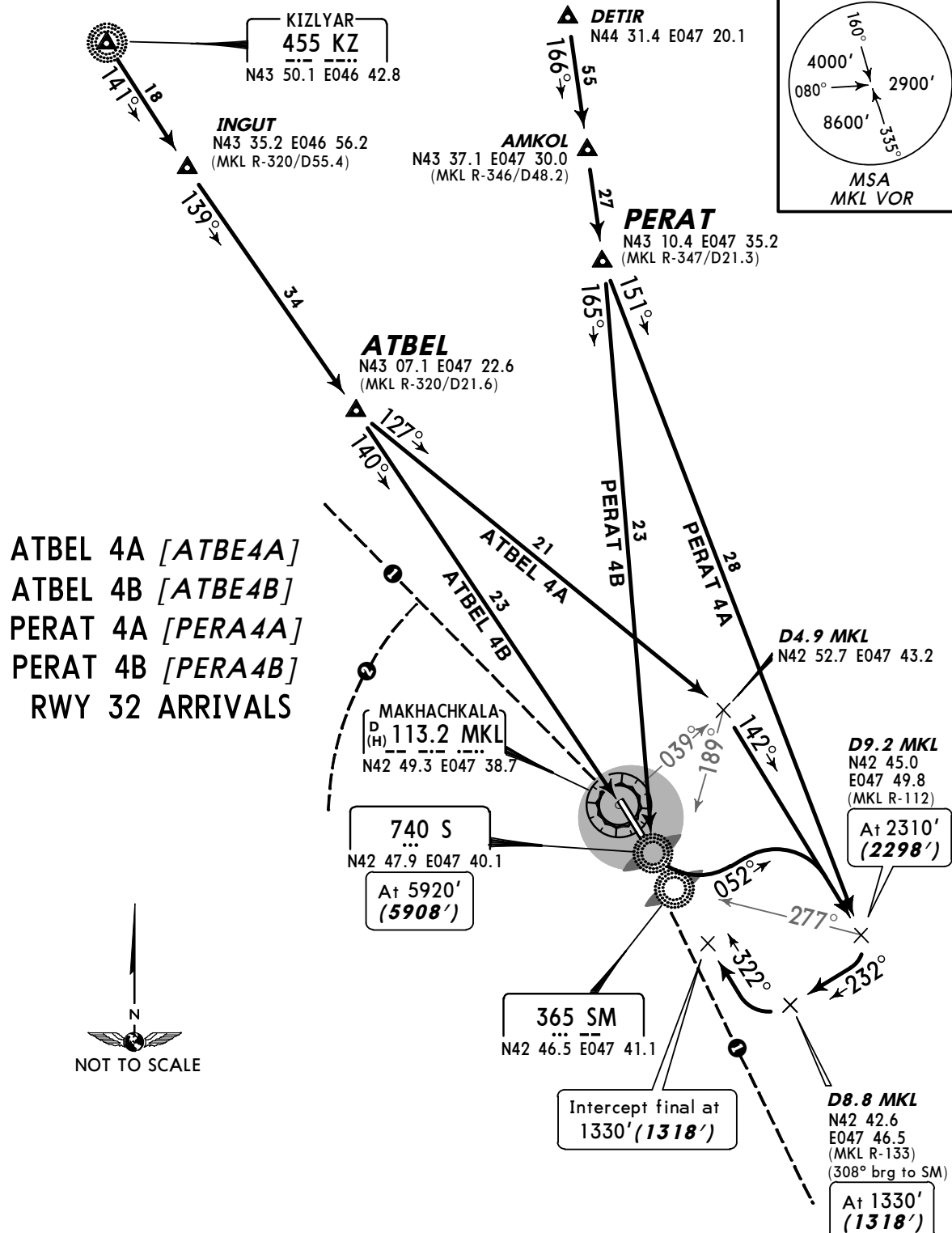
STAR

ATIS
125.47 (Russian 124.8)

Apt Elev
15'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL110 Trans alt: 9860' (9848')
Crossings at airway exit points by ATC.

(QFE)



- ① MKL R-315 within D16.2 and MKL R-148 within D16.2 do not fly west below 5920' (5908').
- ② MKL 11.9 DME arc do not fly west below 6910' (6898').

ALT/HEIGHT CONVERSION

QNH (QFE)

9860' (9848' - 3000m)

6910' (6898' - 2100m)

5920' (5908' - 1800m)

2310' (2298' - 700m)

1330' (1318' - 400m)

URML/MCX
UYTASH

JEPPESEN
27 JAN 12 10-3

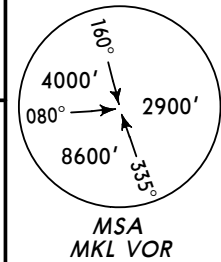
Eff 9 Feb

MAKHACHKALA, RUSSIA

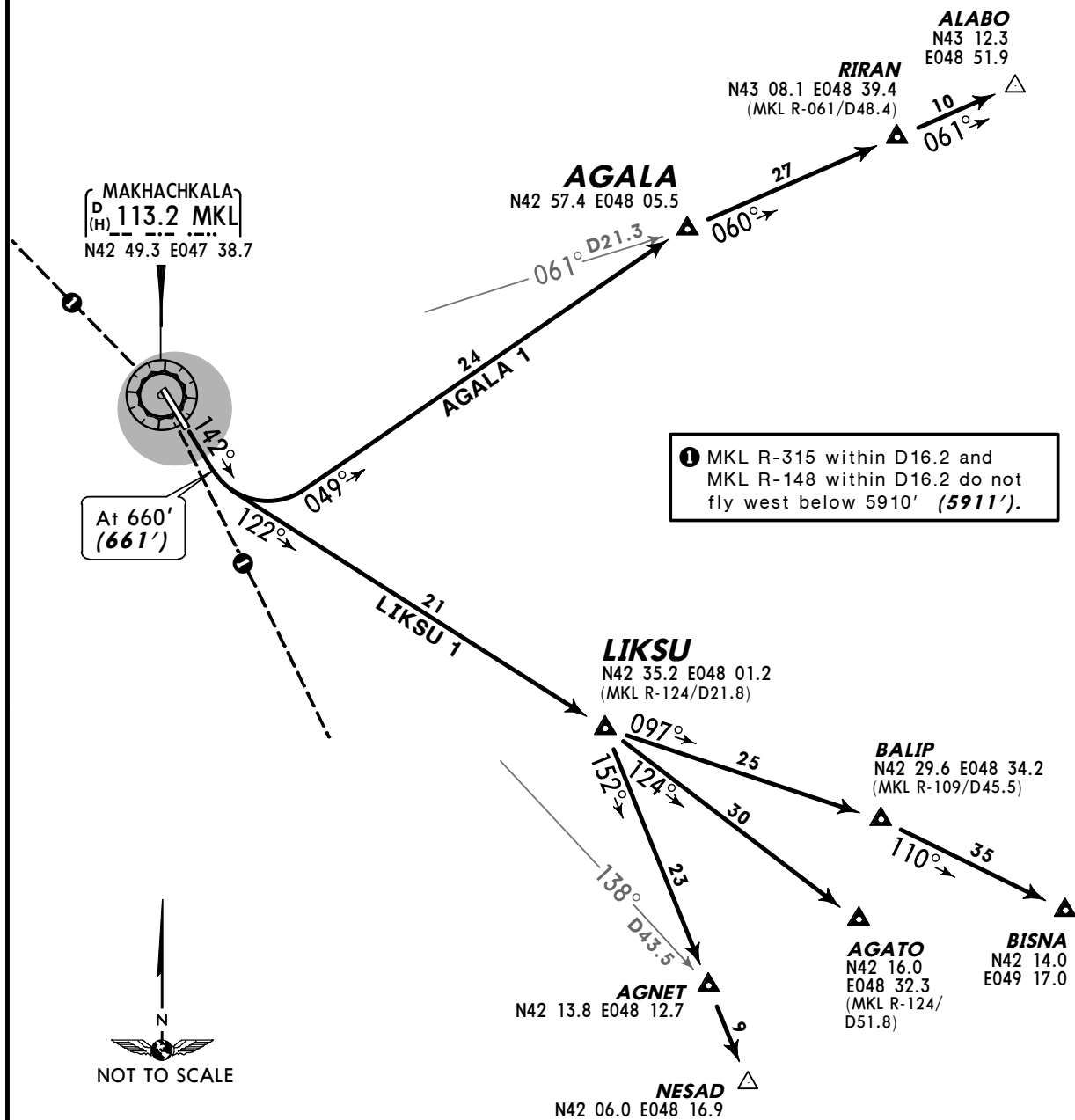
SID

Apt Elev
15'

QNH on request (QFE)
Trans level: FL110 Trans alt: 9860' (9861')
Crossings at airway entry points by ATC.



AGALA 1
LIKSU 1
RWY 14 DEPARTURES



ALT/HEIGHT CONVERSION	
QNH	(QFE)
660'	(661' - 200m)
5910'	(5911' - 1800m)
9860'	(9861' - 3000m)

URML/MCX
UYTASH

JEPPESEN
27 JAN 12 (10-3A)

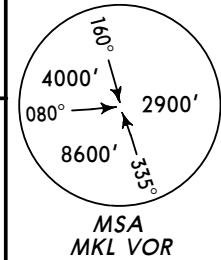
Eff 9 Feb

MAKHACHKALA, RUSSIA

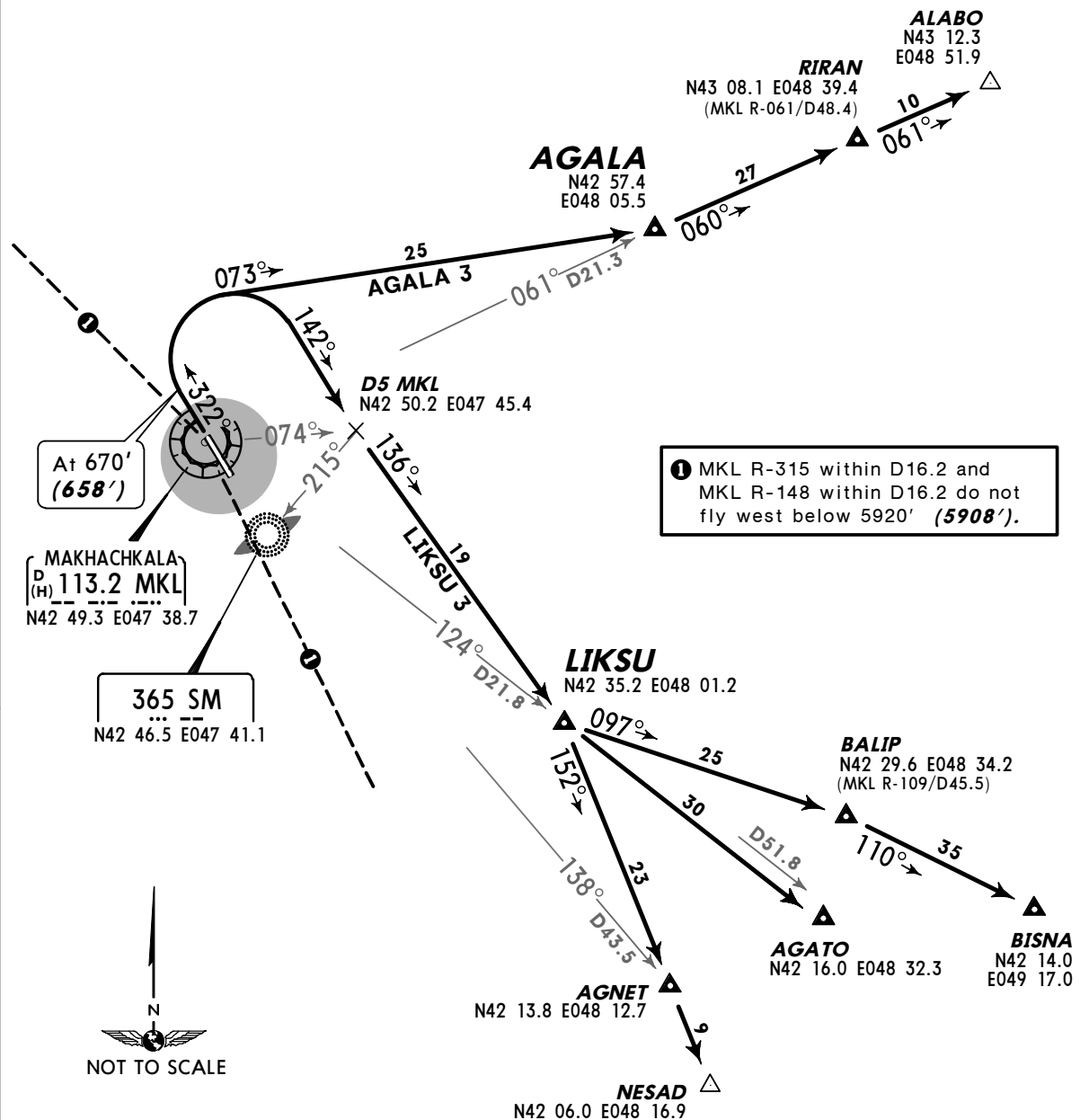
SID

Apt Elev
15'

QNH on request (QFE)
Trans level: FL110 Trans alt: 9860' (9848')
Crossings at airway entry points by ATC.



AGALA 3 LIKSU 3 RWY 32 DEPARTURES



ALT/HEIGHT CONVERSION	
QNH	(QFE)
670'	(658' - 200m)
5920'	(5908' - 1800m)
9860'	(9848' - 3000m)

URML/MCX
UYTASH

JEPPESEN
27 JAN 12 10-3B

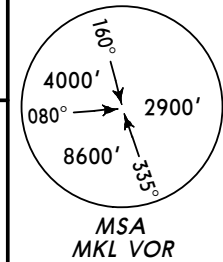
Eff 9 Feb

MAKHACHKALA, RUSSIA

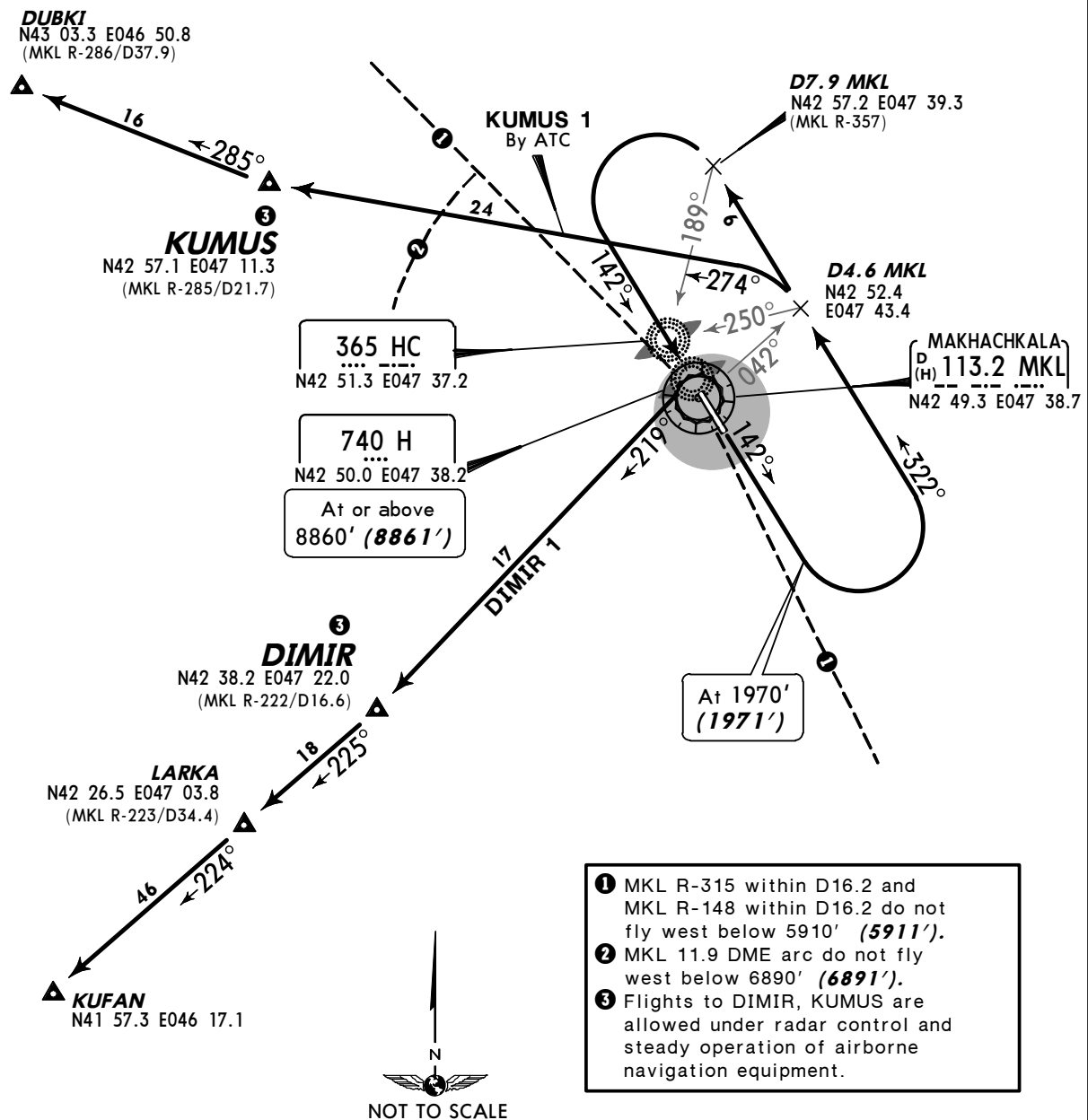
SID

Apt Elev
15'

QNH on request (QFE)
Trans level: FL110 Trans alt: 9860' (9861')
Crossings at airway entry points by ATC.



**DIMIR 1
KUMUS 1
BY ATC
RWY 14 DEPARTURES**



ALT/HEIGHT CONVERSION	
QNH	(QFE)
1970'	(1971' - 600m)
5910'	(5911' - 1800m)
6890'	(6891' - 2100m)
8860'	(8861' - 2700m)
9860'	(9861' - 3000m)

URML/MCX
UYTASH

JEPPESEN
27 JAN 12 (10-3C)

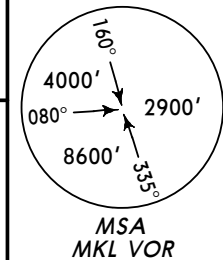
Eff 9 Feb

MAKHACHKALA, RUSSIA

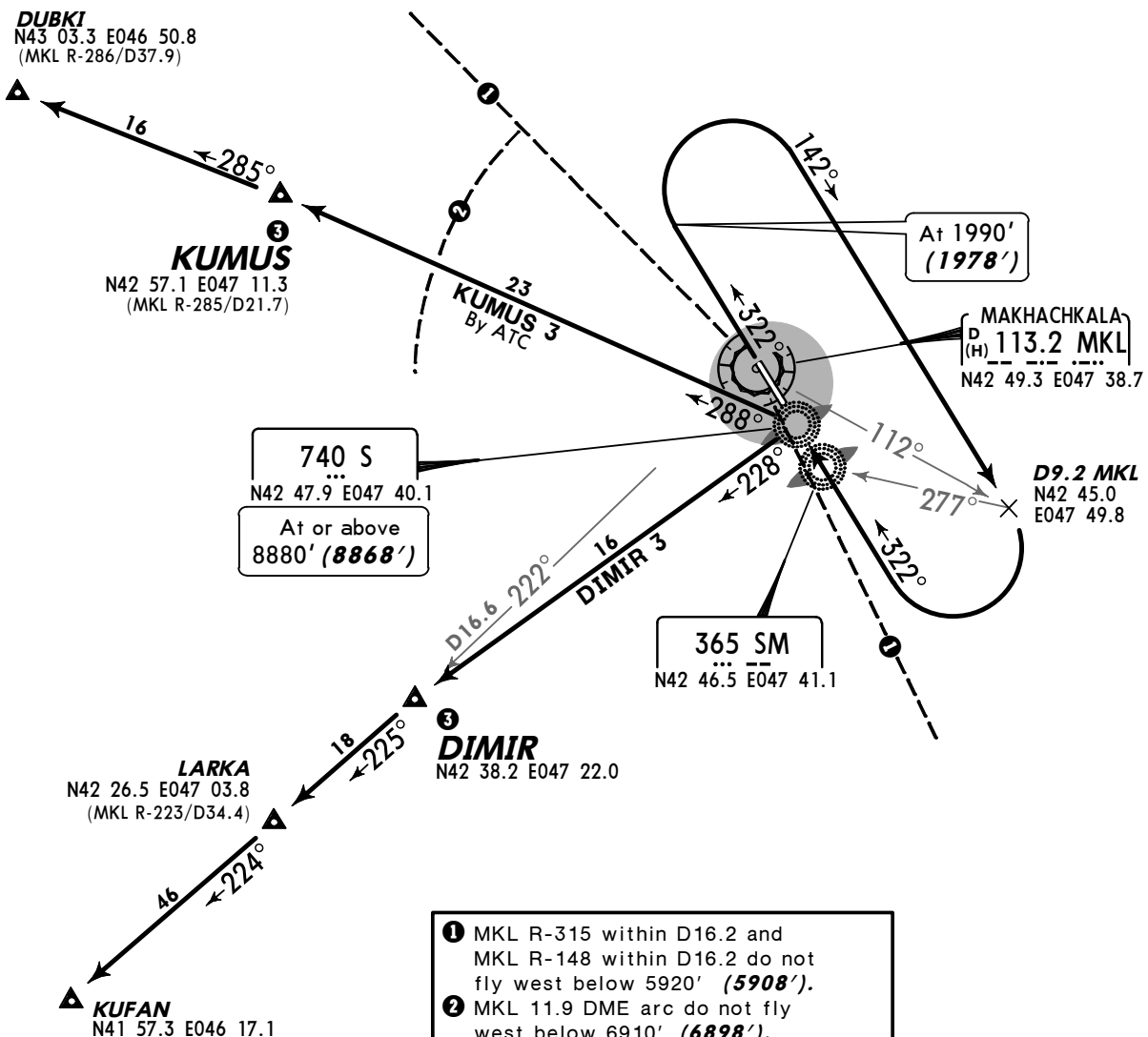
SID

Apt Elev
15'

QNH on request (QFE)
Trans level: FL110 Trans alt: 9860' (9848')
Crossings at airway entry points by ATC.



**DIMIR 3
KUMUS 3
BY ATC
RWY 32 DEPARTURES**



- ① MKL R-315 within D16.2 and MKL R-148 within D16.2 do not fly west below 5920' (5908').
- ② MKL 11.9 DME arc do not fly west below 6910' (6898').
- ③ Flights to DIMIR, KUMUS are allowed under radar control and steady operation of airborne navigation equipment.

ALT/HEIGHT	CONVERSION
QNH	(QFE)
1990'	(1978' - 600m)
5920'	(5908' - 1800m)
6910'	(6898' - 2100m)
8880'	(8868' - 2700m)
9860'	(9848' - 3000m)

URML/MCX
UYTASH

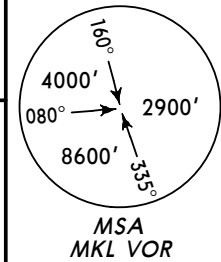
JEPPESEN
27 JAN 12 10-3D Eff 9 Feb

MAKHACHKALA, RUSSIA

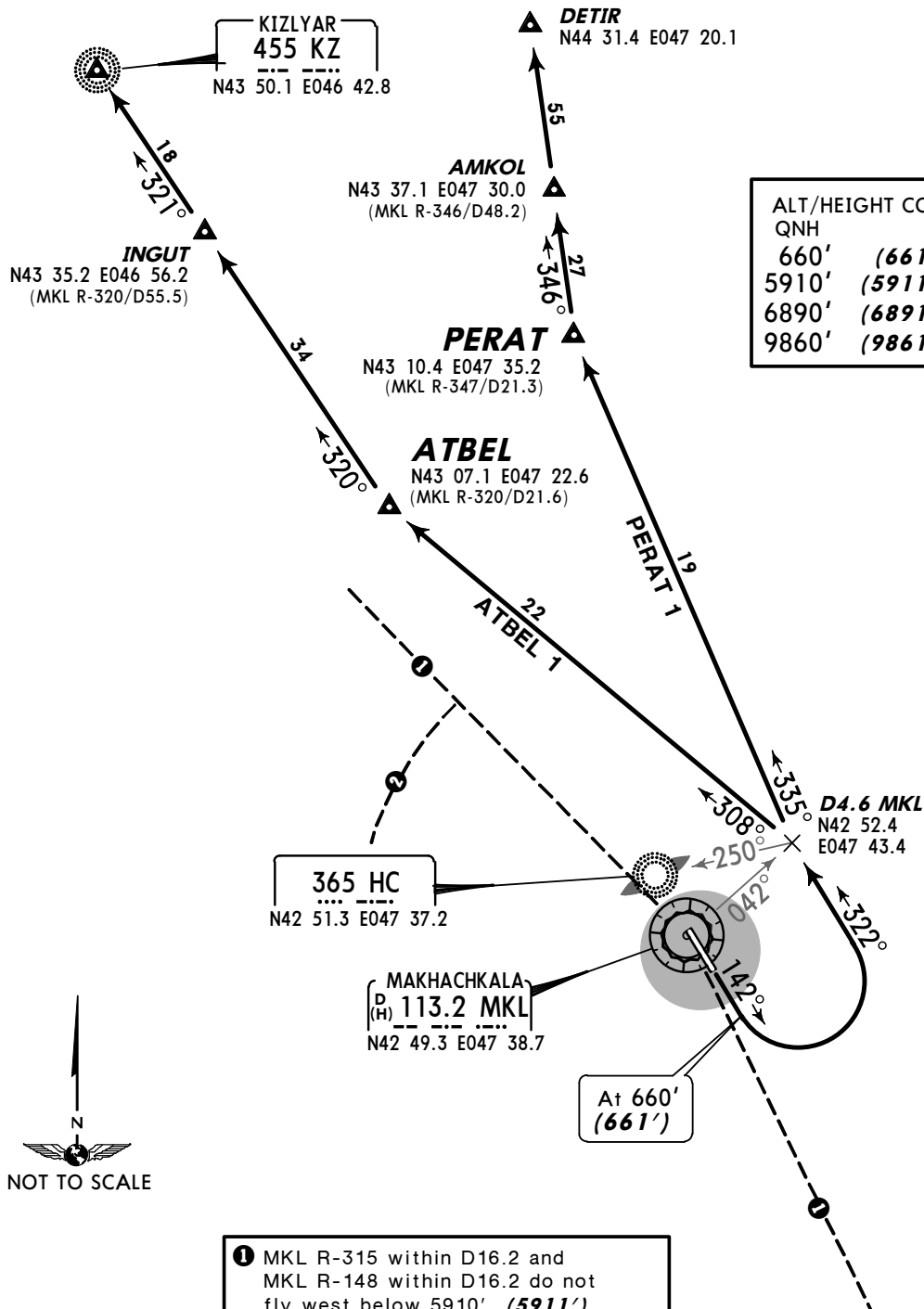
SID

Apt Elev
15'

QNH on request (QFE)
Trans level: FL110 Trans alt: 9860' (9861')
Crossings at airway entry points by ATC.



ATBEL 1 PERAT 1 RWY 14 DEPARTURES



ALT/HEIGHT CONVERSION	
QNH	(QFE)
660'	(661' - 200m)
5910'	(5911' - 1800m)
6890'	(6891' - 2100m)
9860'	(9861' - 3000m)



- 1 MKL R-315 within D16.2 and MKL R-148 within D16.2 do not fly west below 5910' (5911').
- 2 MKL 11.9 DME arc do not fly west below 6890' (6891').

URML/MCX
UYTASH

27 JAN 12 10-3E

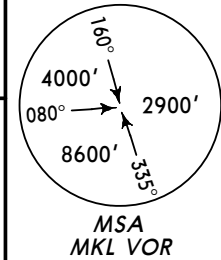
Eff 9 Feb

MAKHACHKALA, RUSSIA

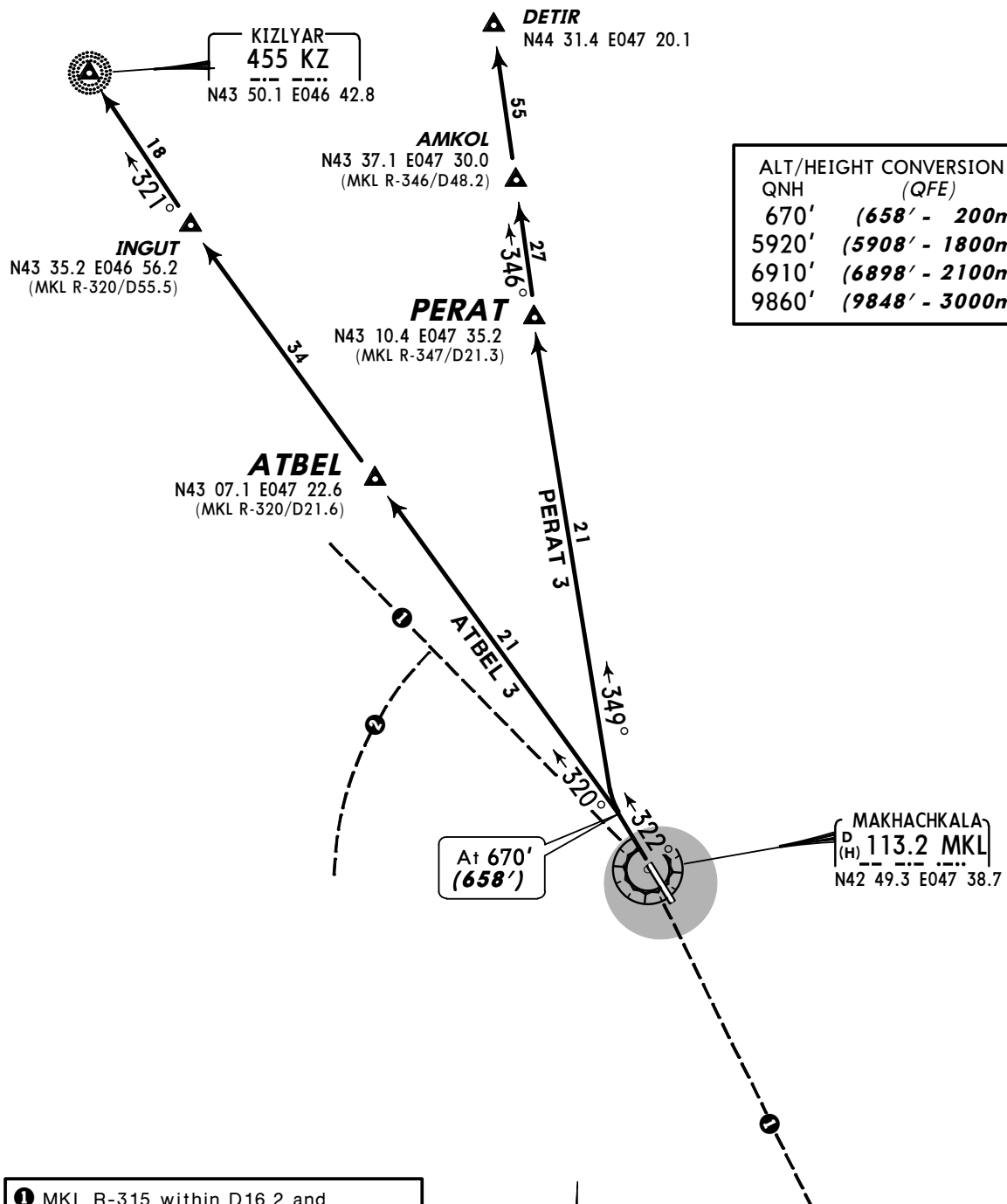
SID

Apt Elev
15'

QNH on request (QFE)
Trans level: FL110 Trans alt: 9860' (9848')
Crossings at airway entry points by ATC.



ATBEL 3 PERAT 3 RWY 32 DEPARTURES



- ① MKL R-315 within D16.2 and MKL R-148 within D16.2 do not fly west below 5920' (5908').
- ② MKL 11.9 DME arc do not fly west below 6910' (6898').

NOT TO SCALE

URML/MCX

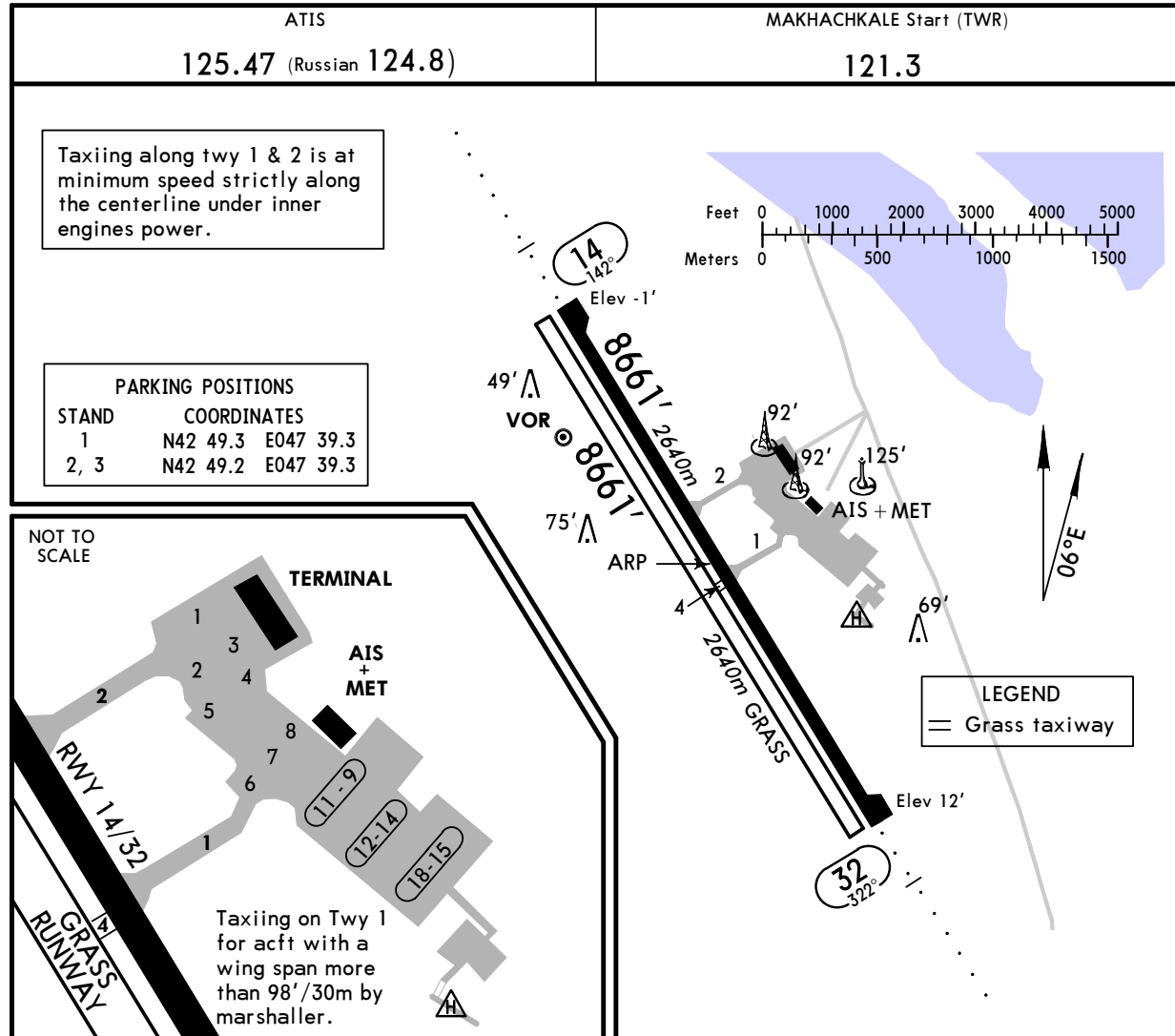
Apt Elev 15'
N42 49.0 E047 39.2

11 SEP 09

10-9

MAKHACHKALA, RUSSIA

UYTASH



ADDITIONAL RUNWAY INFORMATION

RWY			USABLE LENGTHS		TAKE-OFF	WIDTH
			Threshold	Landing Beyond Glide Slope		
14	32	RL(60m) ALS	RVR	7628' 2325m 7932' 2418m	1	138' 42m
14	32	Grass runway				230' 70m

1 TAKE-OFF RUN AVAILABLE

RWY 14: From rwy head 8661' (2640m)
twy 2 int 5249' (1600m)
twy 1 int 4134' (1260m)

RWY 32: From rwy head 8661' (2640m)
twy 1 int 4528' (1380m)
twy 2 int 3412' (1040m)

TAKE-OFF

AIR CARRIER (JAA)	
Main rwy 14/32	
LVP must be in force RCLM (DAY only) or RL	RCLM (DAY only) or RL
A	
B	250m
C	
D	300m
	400m

URML/MCX


JEPPESEN
 27 JAN 12
 Eff 9 Feb

10-9S

MAKHACHKALA, RUSSIA
 UYTASH

Standard

STRAIGHT-IN RWY		A	B	C	D
14	ILS	199' (200') R1000m	199' (200') R1000m	229' (230') R1000m	229' (230') R1000m
	ALS out	R1200m	R1200m	R1200m	R1200m
	LOC	NOT AUTH	NOT AUTH	NOT AUTH	NOT AUTH
	NDB ①	330' (331') R1300m	330' (331') R1300m	330' (331') R1300m	400' (401') R1700m
	ALS out	R1500m	R1500m	R1500m	R1900m
32	ILS	212' (200') R1000m	212' (200') R1000m	242' (230') R1000m	242' (230') R1000m
	ALS out	R1200m	R1200m	R1200m	R1200m
	LOC	NOT AUTH	NOT AUTH	NOT AUTH	NOT AUTH
	NDB ①	350' (338') R1300m	350' (338') R1300m	350' (338') R1300m	410' (398') R1600m
	ALS out	R1500m	R1500m	R1500m	R1800m

① Continuous Descent Final Approach.

CIRCLE-TO-LAND	100 KT	135 KT	180 KT	205 KT
After apch to rwy 14	530' (515') ceil300m-V1600m ②	530' (515') ceil300m-V2500m ②	660' (645') ceil350m-V3000m ③	720' (705') ceil350m-V4000m ③
After apch to rwy 32	540' (525') ceil300m-V1600m ②	540' (525') ceil300m-V2500m ②	670' (655') ceil350m-V3000m ③	720' (705') ceil350m-V4000m ③

② From CRP AGALA: V5000m.

③ From CRP AGALA: V7000m.

TAKE-OFF RWY 14, 32

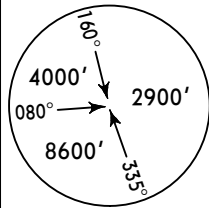
LVP must be in Force		RCLM (DAY only) or RL	NIL (DAY only)
	RCLM (DAY only) or RL		
A	250m	400m	500m
B			
C			
D	300m		

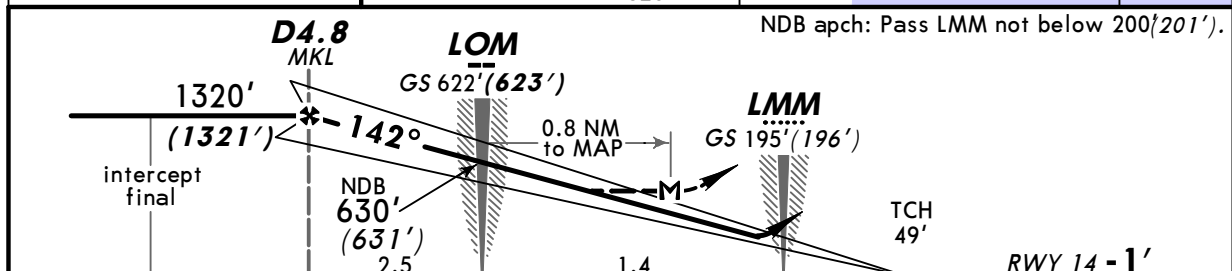
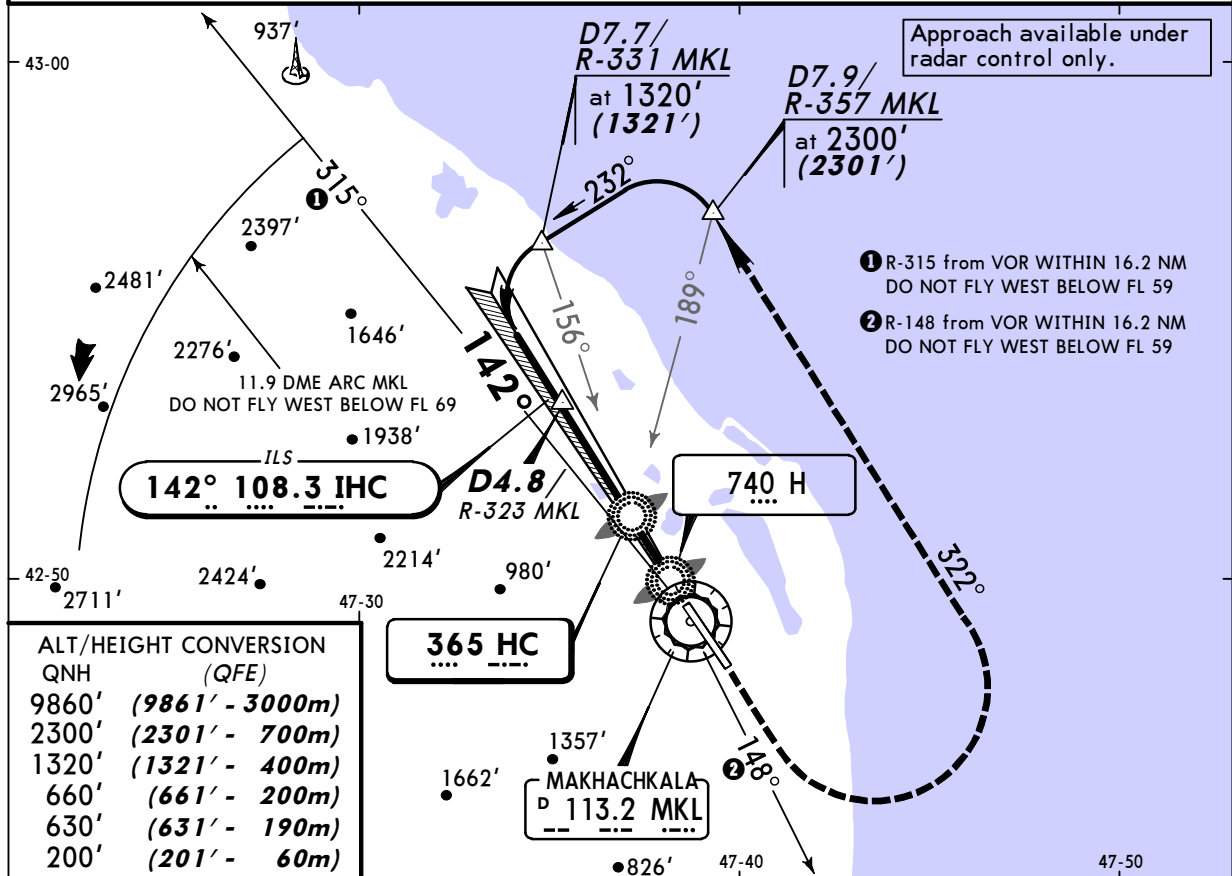
URML/MCX
UYTASH

JEPPESEN
27 JAN 12 11-1 Eff 9 Feb

MAKHACHKALA, RUSSIA
ILS or 2 NDB RWY 14

BRIEFING STRIP

ATIS		MAKHACHKALA Approach (R)		MAKHACHKALA Krug (SRE)		MAKHACHKALA Start (TWR)	
125.47 (Russian 124.8)		119.7		121.3		121.3	
LOC IHC 108.3	Final Apch Crs 142°	GS LOM 622' (623')	ILS DA(H) Refer to Minimums	Apt Elev 15' RWY -1' (BELOW SEA LEVEL)			
NDB HC 365		Minimum Alt D4.8 MKL 1320' (1321')	NDB MDA(H) Refer to Minimums				
MISSED APCH: Climb on 142° to 660' (661'), then turn LEFT onto 322° climbing to 2300' (2301'), then according to chart.							
Alt Set: MM (hPa on req)		QNH on req (QFE)		Trans level: FL 110			Trans alt: 9860' (9861')



Gnd speed-Kts	70	90	100	120	140	160	ALS	660' (661')	142°	322°	2300' (2301')
ILS GS or NDB Desc angle 2.67°	331	425	472	567	661	756					
LOM to MAP	0.8	0:41	0:32	0:29	0:24	0:21	0:18				

STRAIGHT-IN LANDING RWY 14					CIRCLE-TO-LAND			
ILS		LOC (GS out)	NDB		Max Kts.	MDA(H) CEIL-VIS		
DA(H)	AB: 199'(200') CD: 229'(230')		MDA(H)	ABC: 330'(331') D: 400'(401')				
FULL		ALS out	ALS out		100	530'(515') 300m - 1600m 1 2		
A	1200m		NOT AUTHORIZED		2200m		135	530'(515') 300m - 2500m 2
B							180	660'(645') 350m - 3000m 2
C							205	710'(695') 350m - 4000m 2
D								

1 After NDB apch: VIS 2200m. 2 From CRP AGALA: Cat A/B: VIS 5000m, Cat C/D: VIS 7000m.

CHANGES: Trans alt. Circling minimums.

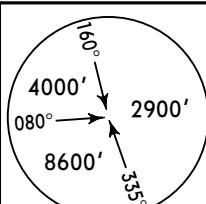
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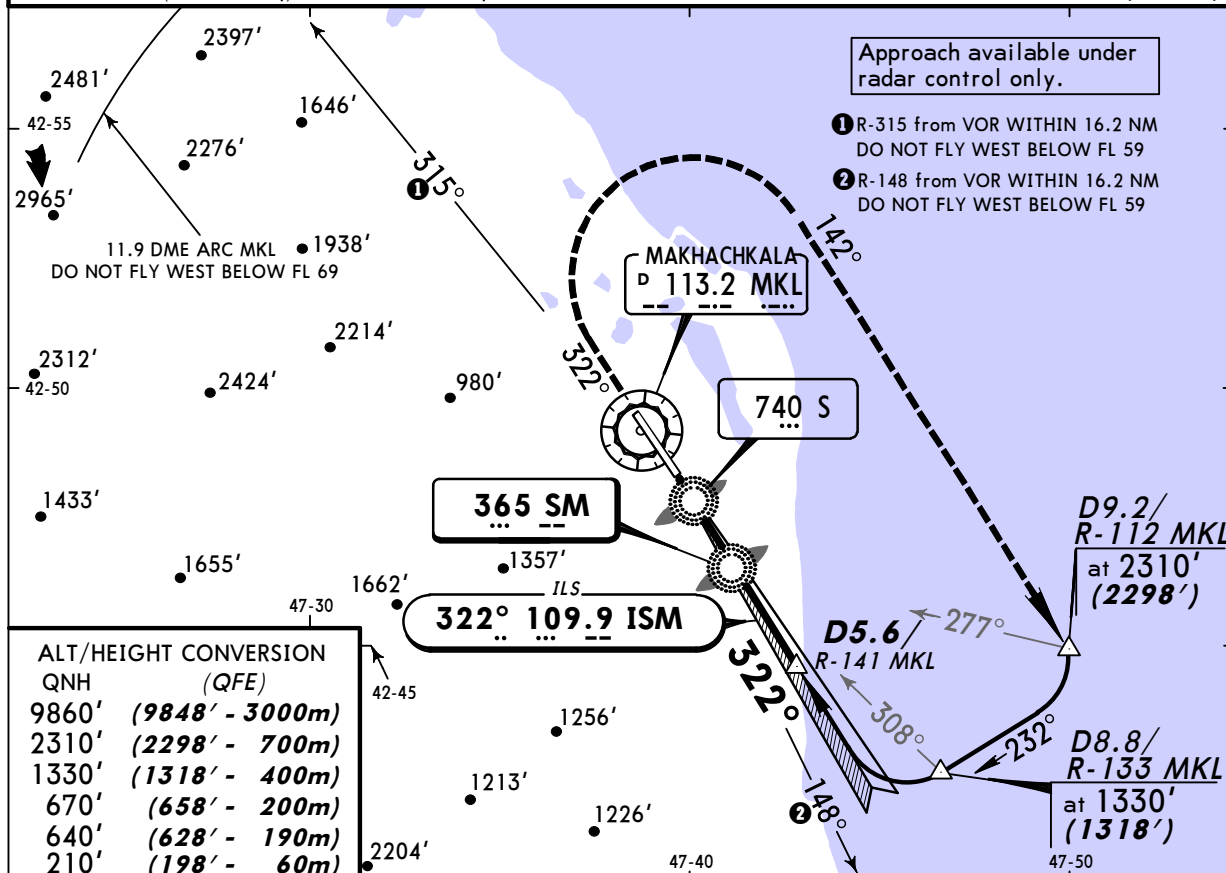
URML/MCX
UYTASH

JEPPESEN
27 JAN 12 (11-2) Eff 9 Feb

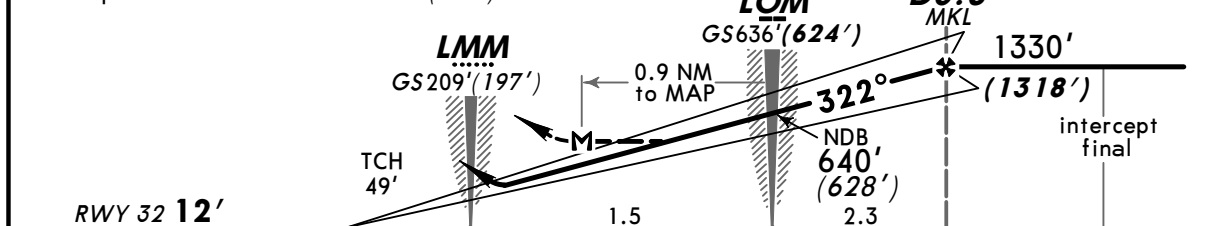
MAKHACHKALA, RUSSIA
ILS or 2 NDB Rwy 32

BRIEFING STRIP

ATIS		MAKHACHKALA Approach (R)		MAKHACHKALA Krug (SRE)		MAKHACHKALA Start (TWR)	
125.47 (Russian 124.8)		119.7		121.3		121.3	
LOC ISM 109.9	Final Apch Crs 322°	GS LOM 636' (624')	ILS DA(H) Refer to Minimums	Apt Elev 15' RWY 12'			
NDB SM 365		Minimum Alt D5.6 MKL 1330' (1318')	NDB MDA(H) Refer to Minimums				
MISSED APCH: Climb on 322° to 670' (658'), then turn RIGHT onto 142° climbing to 2310' (2298'), then according to chart.							MSA MKL VOR
Alt Set: MM (hPa on req)		QNH on req (QFE)		Trans level: FL 110		Trans alt: 9860' (9848')	



NDB apch: Pass LMM not below 210' (198').



Gnd speed-Kts	70	90	100	120	140	160	ALS	670' (658')	322°	142°	2310' (2298')
ILS GS or NDB Desc angle 2.67°	331	425	472	567	661	756	---	↑	↑	↑	↑
LOM to MAP 0.9	0:46	0:36	0:32	0:27	0:23	0:20	---	↑	↑	↑	↑

STRAIGHT-IN LANDING RWY 32				CIRCLE-TO-LAND		
ILS		LOC (GS out)	NDB		Max Kts	MDA(H) CEIL-VIS
DA(H)	AB: 212'(200') CD: 242'(230')		MDA(H)	ABC: 350'(338') D: 410'(398')		
FULL		ALS out		ALS out	100	540'(525') 300m - 1600m 1 2
A	1200m		NOT AUTHORIZED	2300m	135	540'(525') 300m - 2500m 2
B					180	670'(655') 350m - 3000m 2
C					205	710'(695') 350m - 4000m 2
D						

1 After NDB apch: VIS 2300m. 2 From CRP AGALA: Cat A/B: VIS 5000m, Cat C/D: VIS 7000m.

CHANGES: Trans alt. Circling minimums.

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