

## GENERAL

## Operational Hours

**ATS Hours:** H24

**AD OPS Hours:** 1600-0400, other times O/R.

**AD ADMIN Hours**

MON-FRI 0345-1230

SAT, SUN, HOL U/S

## Airport Information

**RFF:** CAT 6 1600-0400, other times O/R.

**Fuel:** TS-1 1600-0400, other times O/R.

**PCN:** RWY 18/36:

MAR 16 - OCT 31 35/R/A/W/T

NOV 01 - MAR 15 45/R/A/W/T

**Customs:** 0400-1200, other times O/R.

## Operation

**Low Visibility Procedure**

LVP in force when RVR below 550m.

TKOF not from RWY extremity is prohibited.

Follow-me is mandatory when visibility is 2000m or less.

**TWY Restrictions**

MAIN TWY width 18m / 59ft.

TWY 1, 3 and 4 CLSD.

Main TWY is CLSD from APN 2 to TWY 1 and from stand 5 to TWY 4.

**Taxi/Parking**

Taxiing and towing is prohibited without permission from GND CTL, follow-me AVBL O/R.

During winter conditions request follow-me via TWR.

## Warnings

Birds in vicinity of AD.

## ARRIVAL

## Communication

**COM Failure:** See CRAR and in addition;

Resume own navigation and establish a height of (600) at MGR VOR/DME. After passing MGR VOR/DME carry out the APCH PROC along the established pattern.

## Arrival Procedure

**Non-standard GP Intercept Position on****RWY 18**

GP intercept RWY 01 at 333m / 1094ft after landing threshold.

Remaining DIST beyond GP is 2917m / 9569ft.

**RWY 36**

GP intercept RWY 19 at 333m / 1094ft after landing threshold.

Remaining DIST beyond GP is 2917m / 9569ft.

## MQF-USCM

1-20

A0I

A0I

## DEPARTURE

## Take-off Minima

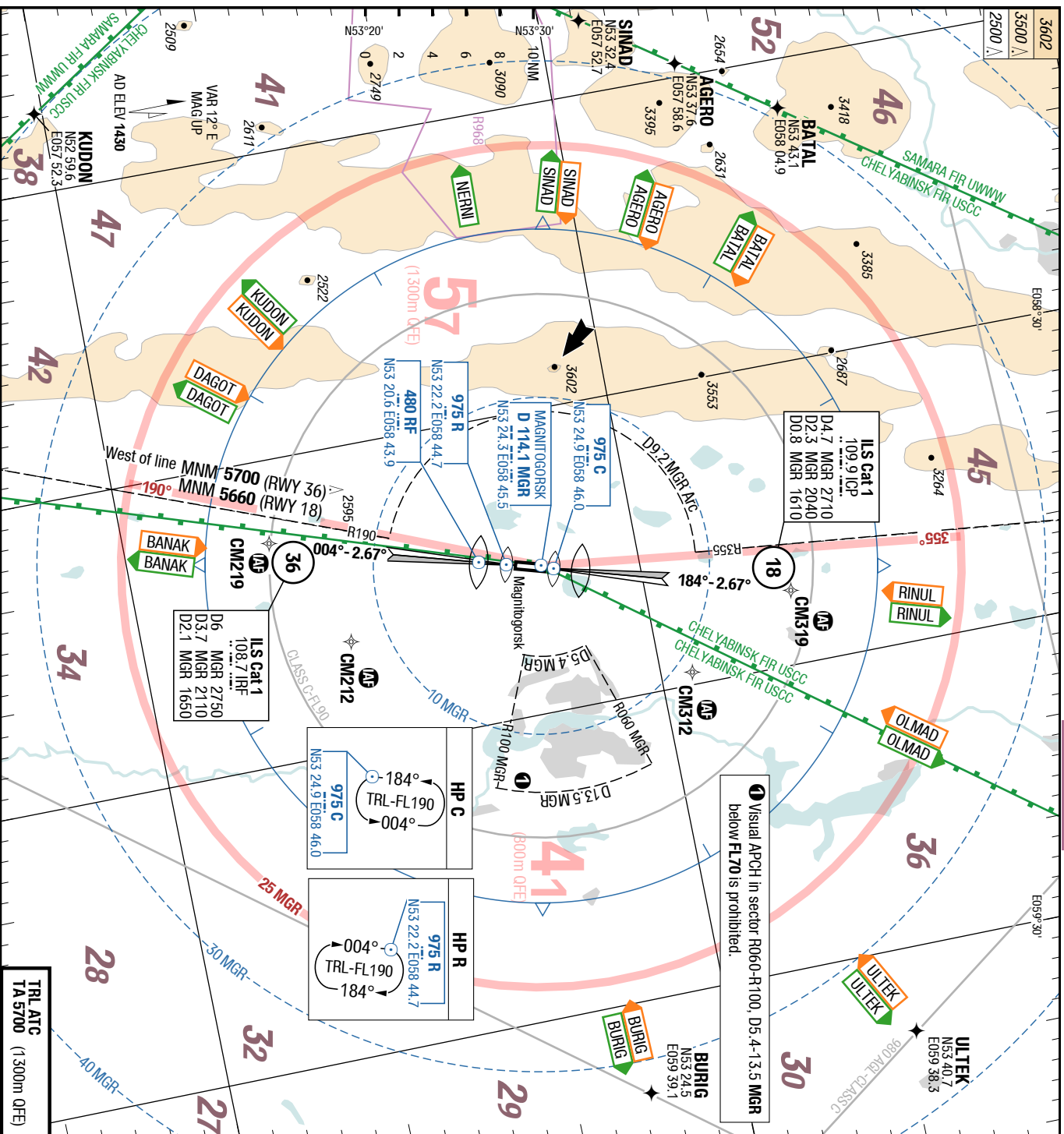
RWY		18/36	
All ACFT	ft - m/km	0 - 400R/400V	HJ only
		0 - 800R/800V	HN

## Communication

COM Failure: See CRAR.

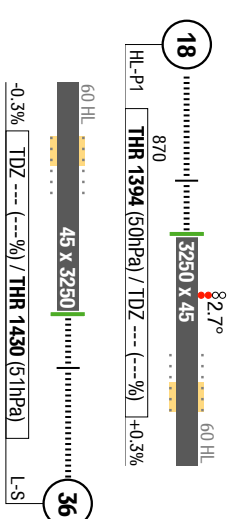
## De-Icing

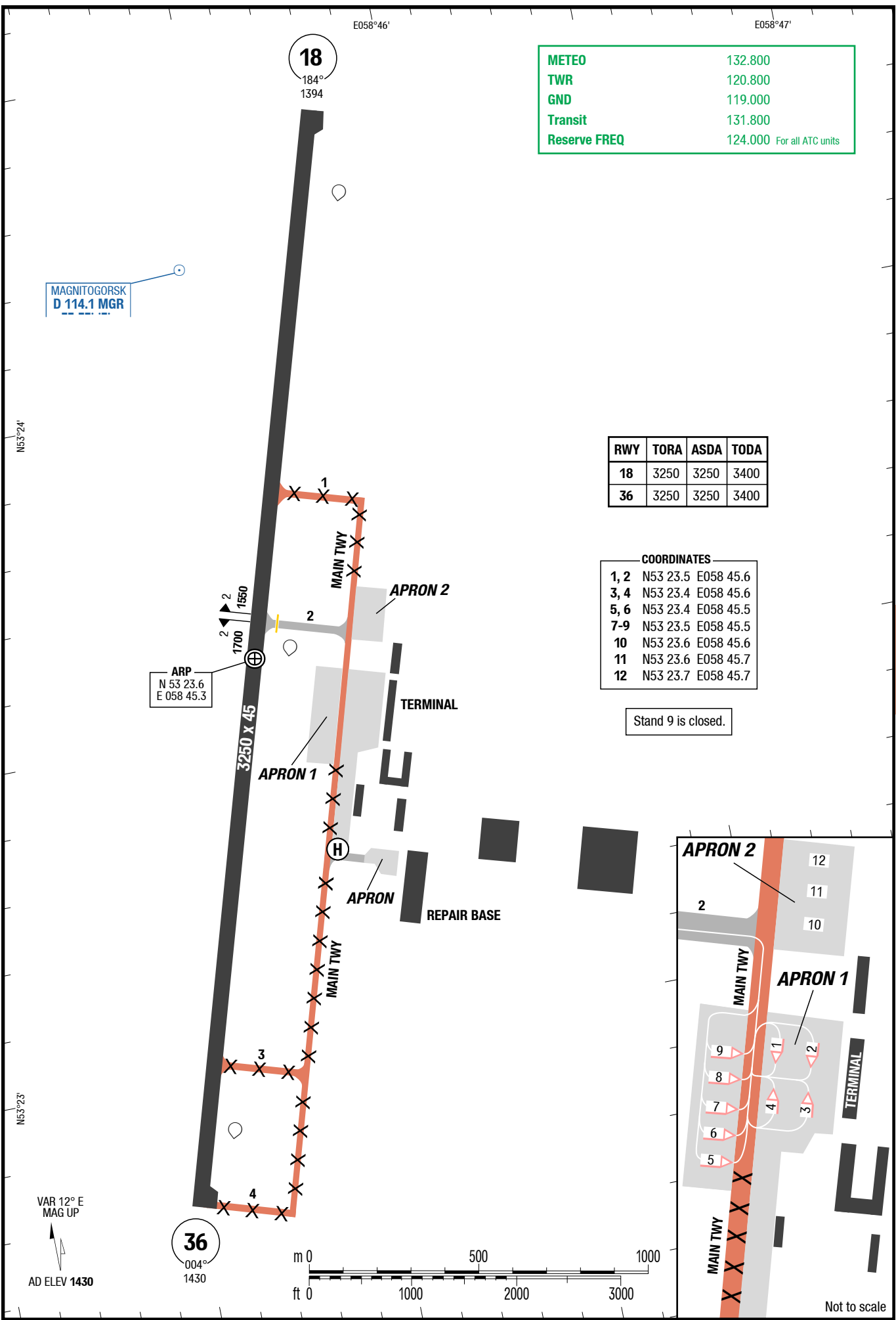
AVBL.



MIETED	132,800
APP	132,200
TWR	120,800
GND	119,000
Transit	131,800
Reserve FREQ	124,000

**Landing RWY system:**





19-APR-2018

MQF-USCM

Russian Federation **Magnitogorsk**

RNAV SIDs RWY 36

4-10

## RNAV SIDs RWY 18

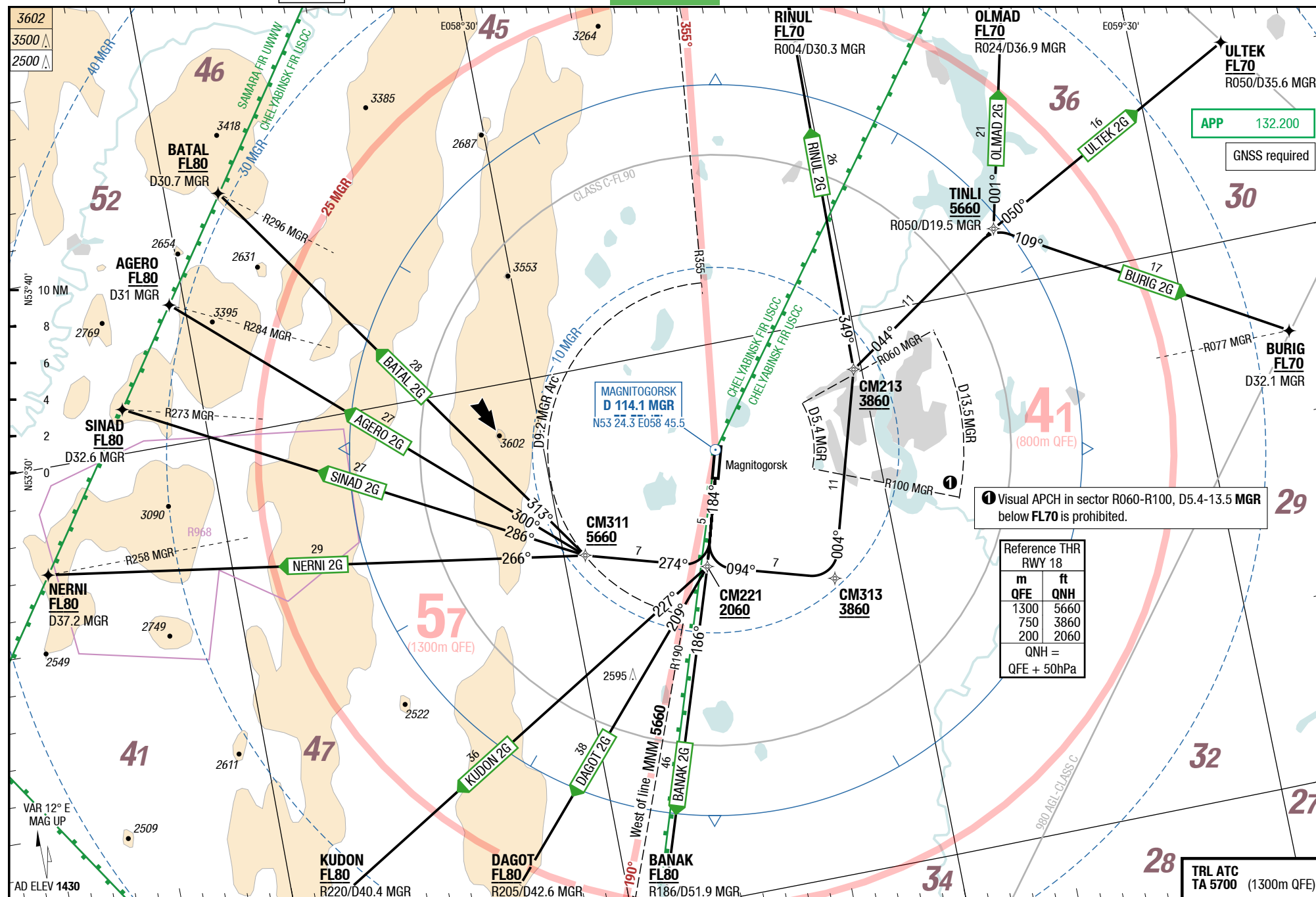
SID

SID

## Magnitogorsk Russian Federation

RNAV SIDs RWY 36

## RNAV SIDs RWY 18



Changes: MGA, OBST, Editorial

© Lido 2018

Effective 26-APR-2018

19-APR-2018

MQF-USCM

4-20

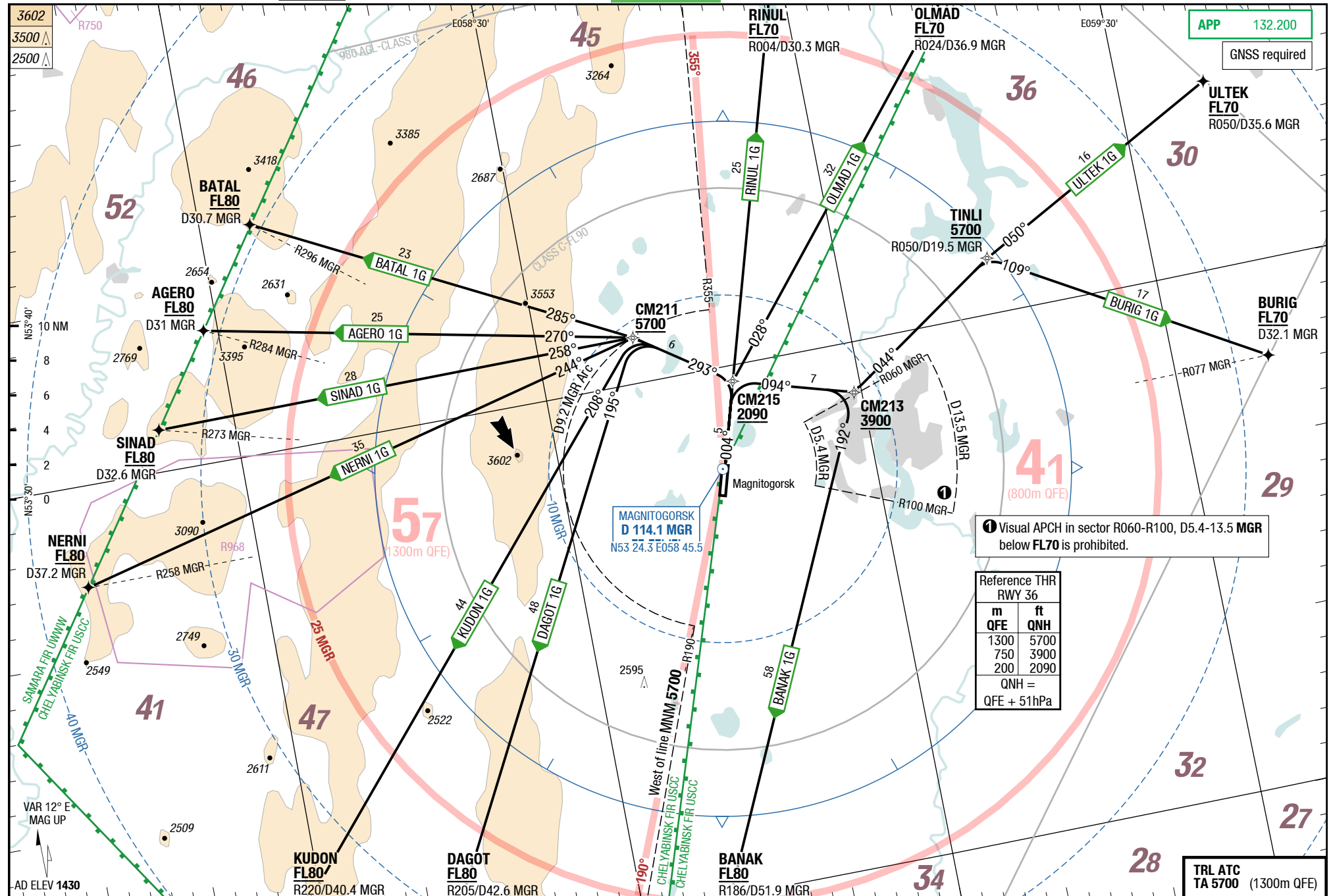
RNAV SIDs RWY 36

SID

SID

Magnitogorsk Russian Federation

RNAV SIDs RWY 36



Changes: MGA, OBST, Editorial



19-APR-2018

MQF-USCM

Russian Federation **Magnitogorsk**

SIDs RWY 36

4-30

## SIDs RWY 18

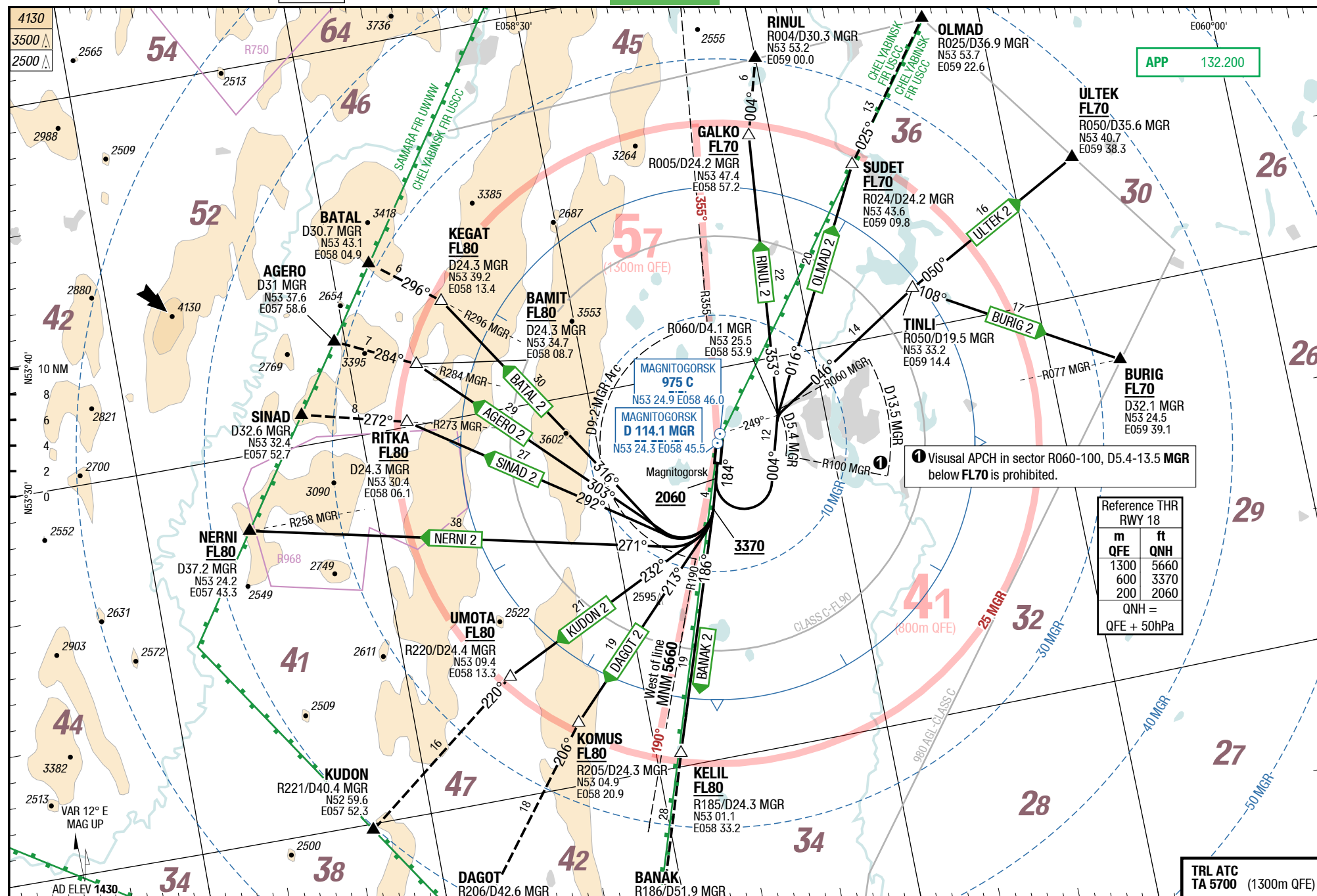
SID

SID

## Magnitogorsk Russian Federation

SIDs RWY 36

## SIDs RWY 18



Changes: MGA, OBST, Editorial

© Lido 2018

19-APR-2018

MQF-USCM

Russian Federation **Magnitogorsk**

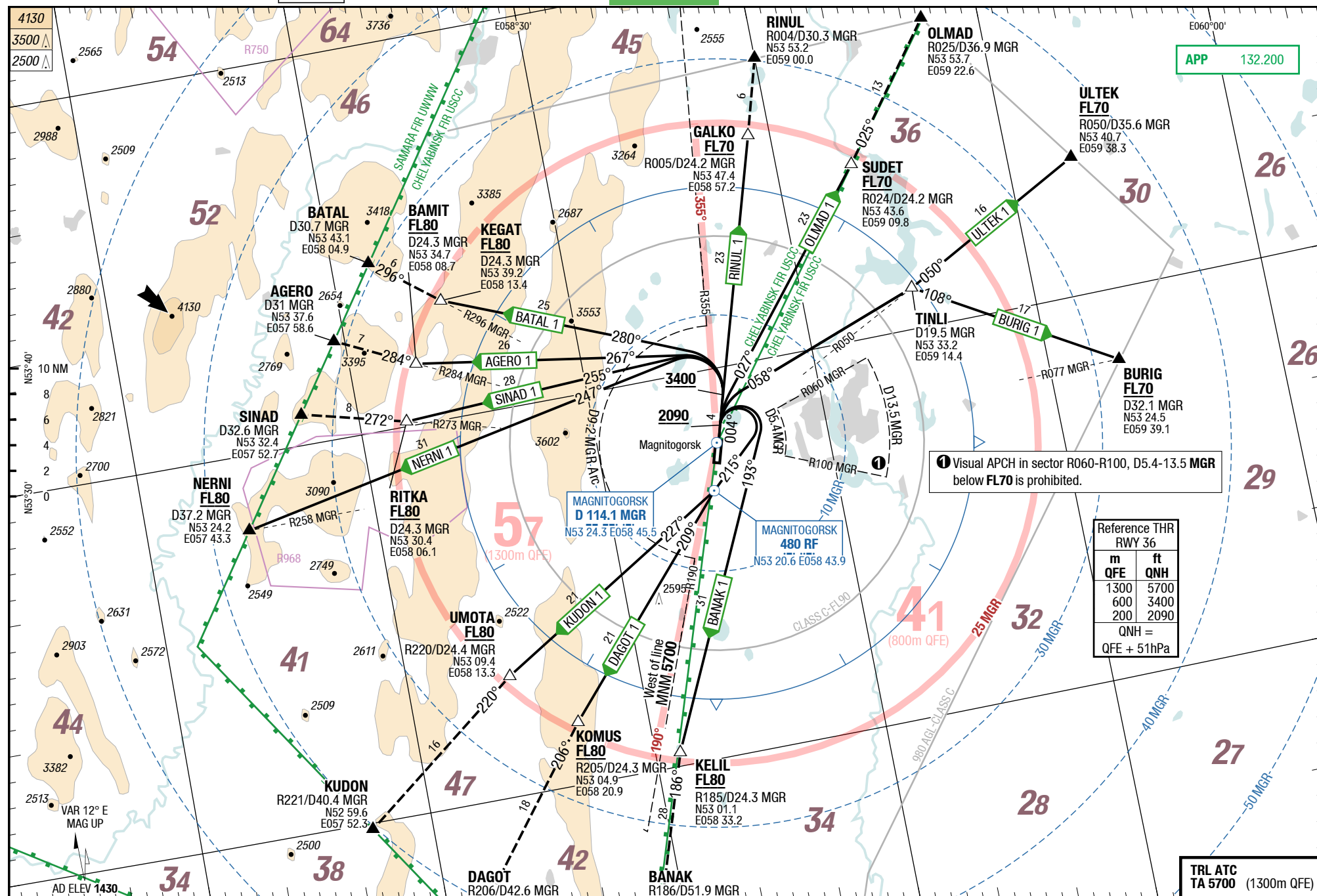
SID

SID

## Magnitogorsk Russian Federation

## SIDs RWY 36

## SIDs RWY 36



Changes: MGA, OBST, Editorial

© Lido 2018



Effective 24-MAY-2018

17-MAY-2018

**MQF-USCM**

Russian Federation **Magnitogorsk**

NIL

**SIDs (ATC)**

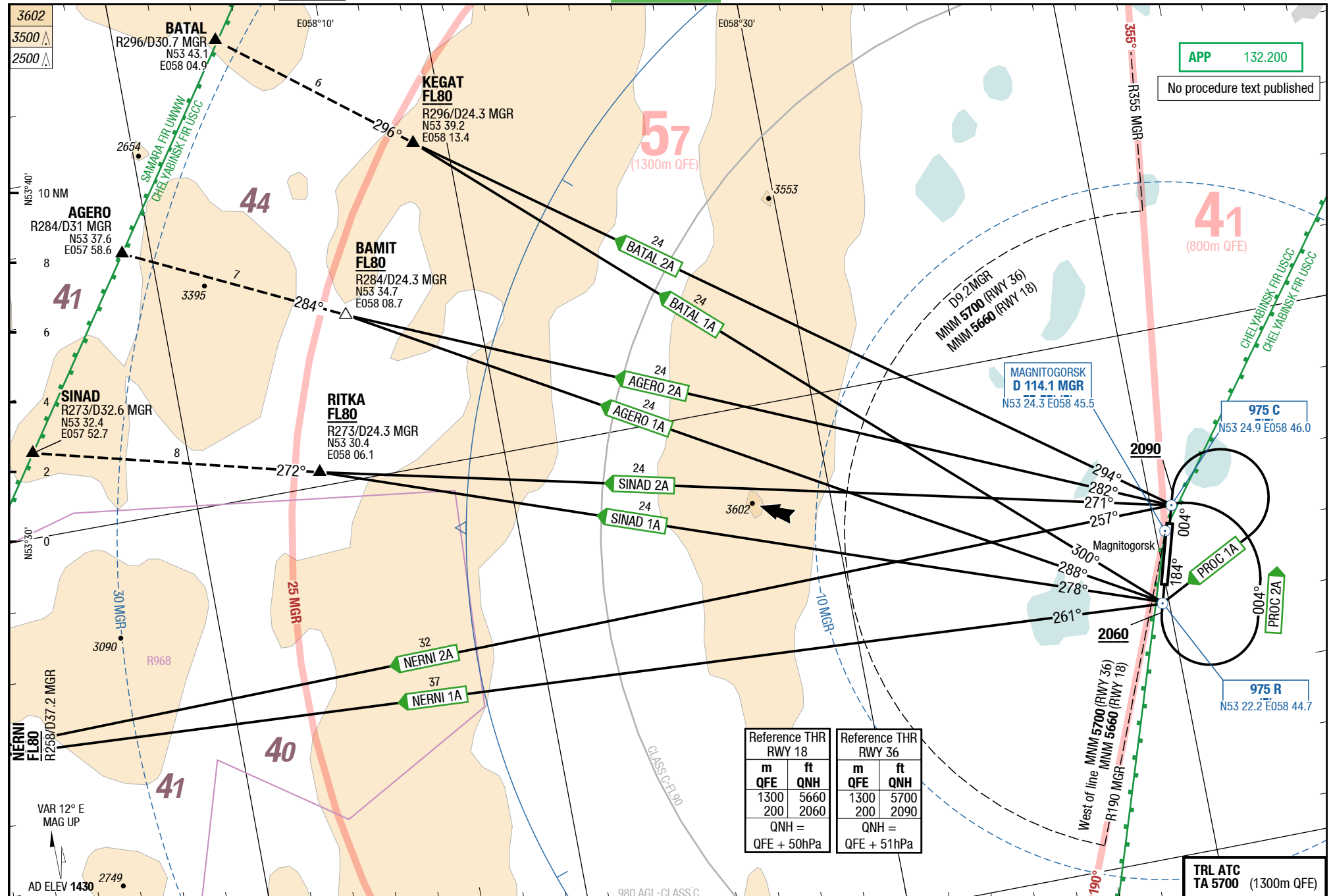
SID

SID

**Magnitogorsk Russian Federation**

NIL

**SIDs (ATC)**



Changes: new

## MQF-USCM

5-10

## RNAV SIDs RWY 18

**AGERO 2G / BANAK 2G / BATAL 2G / BURIG 2G / DAGOT 2G / KUDON 2G / NERNI 2G /  
OLMAD 2G / RINUL 2G / SINAD 2G**

RWY 18 (184°)

	GS	120	150	180	210	240	270
7.5%	ft/MIN	1000	1200	1400	1600	1900	2100

DESIGNATOR	ROUTING	ALTITUDES
	<b>Runway 18</b>	
<b>AGERO 2G</b> 7.5% <b>132.200</b>	CM221 - CM311 - AGERO	CM221 MNM <b>2060</b> CM311 MNM <b>5660</b> AGERO MNM <b>FL80</b>
<b>BANAK 2G</b> <b>132.200</b>	CM221 - BANAK	CM221 MNM <b>2060</b> BANAK MNM <b>FL80</b>
<b>BATAL 2G</b> 7.5% <b>132.200</b>	CM221 - CM311 - BATAL	CM221 MNM <b>2060</b> CM311 MNM <b>5660</b> BATAL MNM <b>FL80</b>
<b>BURIG 2G</b> <b>132.200</b>	CM221 - CM313 - CM213 - TINLI - BURIG	CM221 MNM <b>2060</b> CM313 MNM <b>3860</b> CM213 MNM <b>3860</b> TINLI MNM <b>5660</b> BURIG MNM <b>FL70</b>
<b>DAGOT 2G</b> 7.5% <b>132.200</b>	CM221 - DAGOT	CM221 MNM <b>2060</b> DAGOT MNM <b>FL80</b>
<b>KUDON 2G</b> 7.5% <b>132.200</b>	CM221 - KUDON	CM221 MNM <b>2060</b> KUDON MNM <b>FL80</b>
<b>NERNI 2G</b> 7.5% <b>132.200</b>	CM221 - CM311 - NERNI	CM221 MNM <b>2060</b> CM311 MNM <b>5660</b> NERNI MNM <b>FL80</b>
<b>OLMAD 2G</b> <b>132.200</b>	CM221 - CM313 - CM213 - TINLI - OLMAD	CM221 MNM <b>2060</b> CM313 MNM <b>3860</b> CM213 MNM <b>3860</b> TINLI MNM <b>5660</b> OLMAD MNM <b>FL70</b>
<b>RINUL 2G</b> <b>132.200</b>	CM221 - CM313 - CM213 - RINUL	CM221 MNM <b>2060</b> CM313 MNM <b>3860</b> CM213 MNM <b>3860</b> RINUL MNM <b>FL70</b>
<b>SINAD 2G</b> 7.5% <b>132.200</b>	CM221 - CM311 - SINAD	CM221 MNM <b>2060</b> CM311 MNM <b>5660</b> SINAD MNM <b>FL80</b>

## MQF-USCM

5-20

## RNAV SIDs RWY 18

## ULTEK 2G

RWY 18 (184°)

DESIGNATOR	ROUTING	ALTITUDES
	Runway 18	
ULTEK 2G 132.200	CM221 - CM313 - CM213 - TINLI - ULTEK	CM221 MNM 2060 CM313 MNM 3860 CM213 MNM 3860 TINLI MNM 5660 ULTEK MNM FL70

## MQF-USCM

5-30

## RNAV SIDs RWY 36

**AGERO 1G / BANAK 1G / BATAL 1G / BURIG 1G / DAGOT 1G / KUDON 1G / NERNI 1G / OLMAD 1G / RINUL 1G / SINAD 1G / ULTEK 1G**

RWY 36 (004°)

	GS	120	150	180	210	240	270
7.5%	ft/MIN	1000	1200	1400	1600	1900	2100

DESIGNATOR	ROUTING	ALTITUDES
	<b>Runway 36</b>	
<b>AGERO 1G</b> 7.5% <b>132.200</b>	CM215 - CM211 - AGERO	CM215 MNM <b>2090</b> CM211 MNM <b>5700</b> AGERO MNM <b>FL80</b>
<b>BANAK 1G</b> <b>132.200</b>	CM215 - CM213 - BANAK	CM215 MNM <b>2090</b> CM213 MNM <b>3900</b> BANAK MNM <b>FL80</b>
<b>BATAL 1G</b> 7.5% <b>132.200</b>	CM215 - CM211 - BATAL	CM215 MNM <b>2090</b> CM211 MNM <b>5700</b> BATAL MNM <b>FL80</b>
<b>BURIG 1G</b> <b>132.200</b>	CM215 - CM213 - TINLI - BURIG	CM215 MNM <b>2090</b> CM213 MNM <b>3900</b> TINLI MNM <b>5700</b> BURIG MNM <b>FL70</b>
<b>DAGOT 1G</b> 7.5% <b>132.200</b>	CM215 - CM211 - DAGOT	CM215 MNM <b>2090</b> CM211 MNM <b>5700</b> DAGOT MNM <b>FL80</b>
<b>KUDON 1G</b> 7.5% <b>132.200</b>	CM215 - CM211 - KUDON	CM215 MNM <b>2090</b> CM211 MNM <b>5700</b> KUDON MNM <b>FL80</b>
<b>NERNI 1G</b> 7.5% <b>132.200</b>	CM215 - CM211 - NERNI	CM215 MNM <b>2090</b> CM211 MNM <b>5700</b> NERNI MNM <b>FL80</b>
<b>OLMAD 1G</b> <b>132.200</b>	CM215 - OLMAD	CM215 MNM <b>2090</b> OLMAD MNM <b>FL70</b>
<b>RINUL 1G</b> <b>132.200</b>	CM215 - RINUL	CM215 MNM <b>2090</b> RINUL MNM <b>FL70</b>
<b>SINAD 1G</b> 7.5% <b>132.200</b>	CM215 - CM211 - SINAD	CM215 MNM <b>2090</b> CM211 MNM <b>5700</b> SINAD MNM <b>FL80</b>
<b>ULTEK 1G</b> <b>132.200</b>	CM215 - CM213 - TINLI - ULTEK	CM215 MNM <b>2090</b> CM213 MNM <b>3900</b> TINLI MNM <b>5700</b> ULTEK MNM <b>FL70</b>

## MQF-USCM

5-40

## SIDs RWY 18

**AGERO 2 / BANAK 2 / BATAL 2 / BURIG 2 / DAGOT 2 / KUDON 2 / NERNI 2 / OLMAD 2 / RINUL 2 / SINAD 2**

RWY 18 (184°)

	GS	120	150	180	210	240	270
7.5%	ft/MIN	1000	1200	1400	1600	1900	2100

DESIGNATOR	ROUTING	ALTITUDES
	<b>Runway 18</b>	
<b>AGERO 2</b> 7.5% <b>132.200</b> ①	No procedure text published	BAMIT MNM <b>FL80</b>
<b>BANAK 2</b> <b>132.200</b>	No procedure text published	KELIL MNM <b>FL80</b>
<b>BATAL 2</b> 7.5% <b>132.200</b> ①	No procedure text published	KEGAT MNM <b>FL80</b>
<b>BURIG 2</b> <b>132.200</b>	No procedure text published	BURIG MNM <b>FL70</b>
<b>DAGOT 2</b> 7.5% <b>132.200</b> ②	No procedure text published	KOMUS MNM <b>FL80</b>
<b>KUDON 2</b> 7.5% <b>132.200</b> ②	No procedure text published	UMOTA MNM <b>FL80</b>
<b>NERNI 2</b> 7.5% <b>132.200</b> ①	No procedure text published	NERNI MNM <b>FL80</b>
<b>OLMAD 2</b> <b>132.200</b>	No procedure text published	SUDET MNM <b>FL70</b>
<b>RINUL 2</b> <b>132.200</b>	No procedure text published	GALKO MNM <b>FL70</b>
<b>SINAD 2</b> 7.5% <b>132.200</b> ①	No procedure text published	RITKA MNM <b>FL80</b>

① If unable to comply with the climb gradient, LT to C.

② If unable to comply with the climb gradient, climb straight ahead to 5660.



**ULTEK 2**

RWY 18 (184°)

DESIGNATOR	ROUTING	ALTITUDES
	Runway 18	
<b>ULTEK 2</b> <b>132.200</b>	No procedure text published	ULTEK MNM FL70

## MQF-USCM

5-60

## SIDs RWY 36

**AGERO 1 / BANAK 1 / BATAL 1 / BURIG 1 / DAGOT 1 / KUDON 1 / NERNI 1 / OLMAD 1 / RINUL 1 / SINAD 1 / ULTEK 1**

RWY 36 (004°)

	GS	120	150	180	210	240	270
7.5%	ft/MIN	1000	1200	1400	1600	1900	2100

DESIGNATOR	ROUTING	ALTITUDES
	<b>Runway 36</b>	
<b>AGERO 1</b> 7.5% <b>132.200</b> ①	No procedure text published	BAMIT MNM <b>FL80</b>
<b>BANAK 1</b> <b>132.200</b>	No procedure text published	KELIL MNM <b>FL80</b>
<b>BATAL 1</b> 7.5% <b>132.200</b> ①	No procedure text published	KEGAT MNM <b>FL80</b>
<b>BURIG 1</b> <b>132.200</b>	No procedure text published	BURIG MNM <b>FL70</b>
<b>DAGOT 1</b> <b>132.200</b>	No procedure text published	KOMUS MNM <b>FL80</b>
<b>KUDON 1</b> <b>132.200</b>	No procedure text published	UMOTA MNM <b>FL80</b>
<b>NERNI 1</b> 7.5% <b>132.200</b> ①	No procedure text published	NERNI MNM <b>FL80</b>
<b>OLMAD 1</b> <b>132.200</b>	No procedure text published	SUDET MNM <b>FL70</b>
<b>RINUL 1</b> <b>132.200</b>	No procedure text published	GALKO MNM <b>FL70</b>
<b>SINAD 1</b> 7.5% <b>132.200</b> ①	No procedure text published	RITKA MNM <b>FL80</b>
<b>ULTEK 1</b> <b>132.200</b>	No procedure text published	ULTEK MNM <b>FL70</b>

① If unable to comply with climb gradient, RT to RF.

19-APR-2018

Russian Federation **Magnitogorsk**

RNAV STARs RWY 36

6-10

## RNAV STARs RWY 18

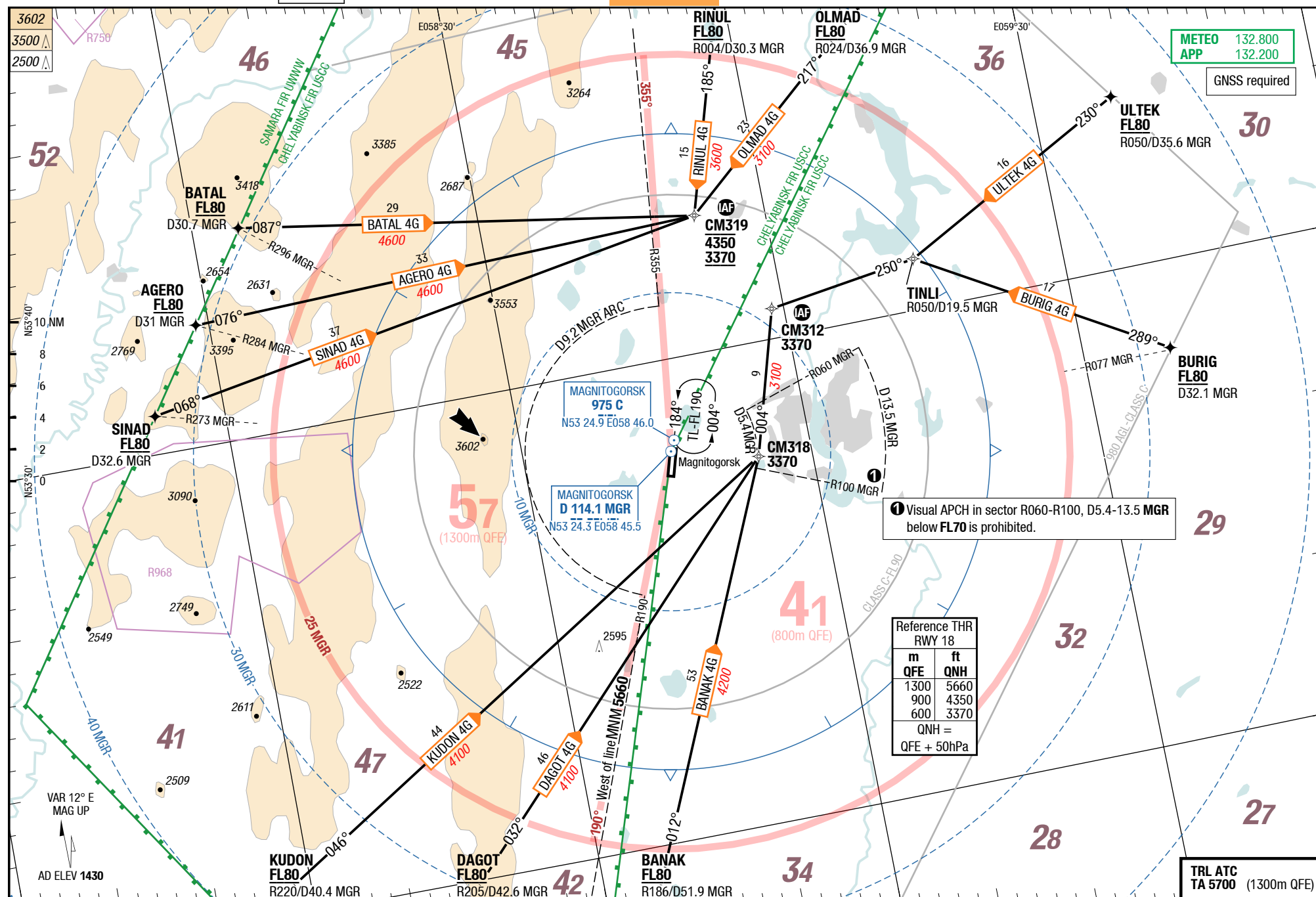
# STAR

# STAR

## Magnitogorsk Russian Federation

RNAV STARs RWY 36

## RNAV STARs RWY 18



Changes: PROC, MTCA, MGA, HLDG, OBST

© Lido 2018

Effective 26-APR-2018

19-APR-2018

MQF-USCM

6-20

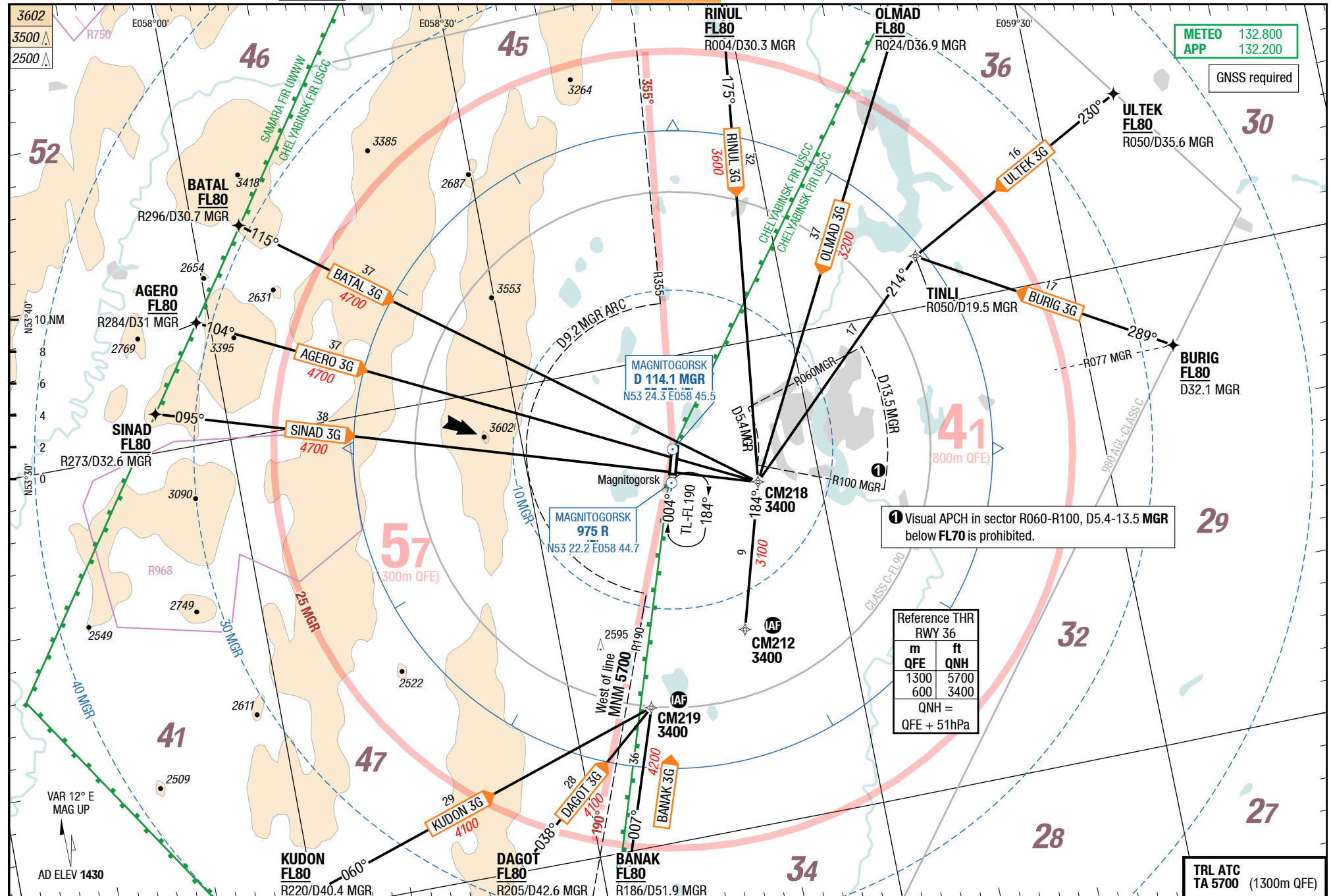
RNAV STARs RWY 36

STAR

STAR

Magnitogorsk Russian Federation

RNAV STARs RWY 36



Changes: PROC, MTCA, MGA, HLDG, OBST

19-APR-2018

MQF-USCM

Russian Federation **Magnitogorsk**

STARs RWY 18 ( without Radar)

6-30

## STARs RWY 18 (Radar)

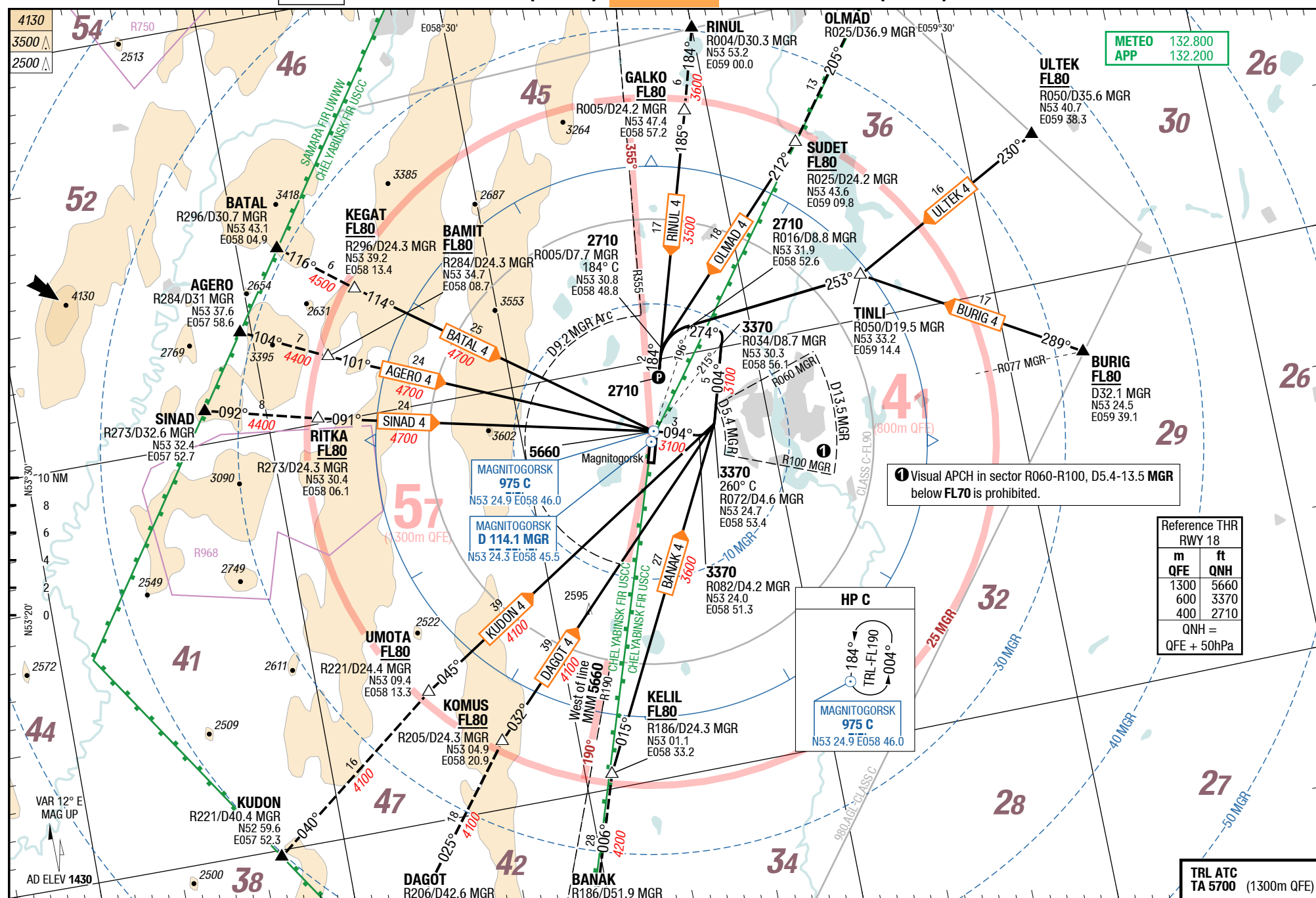
# STAR

# STAR

## Magnitogorsk Russian Federation

STARs RWY 18 ( without Radar)

## STARs RWY 18 (Radar)





19-APR-2018

Russian Federation **Magnitogorsk**

# STAR

# STAR

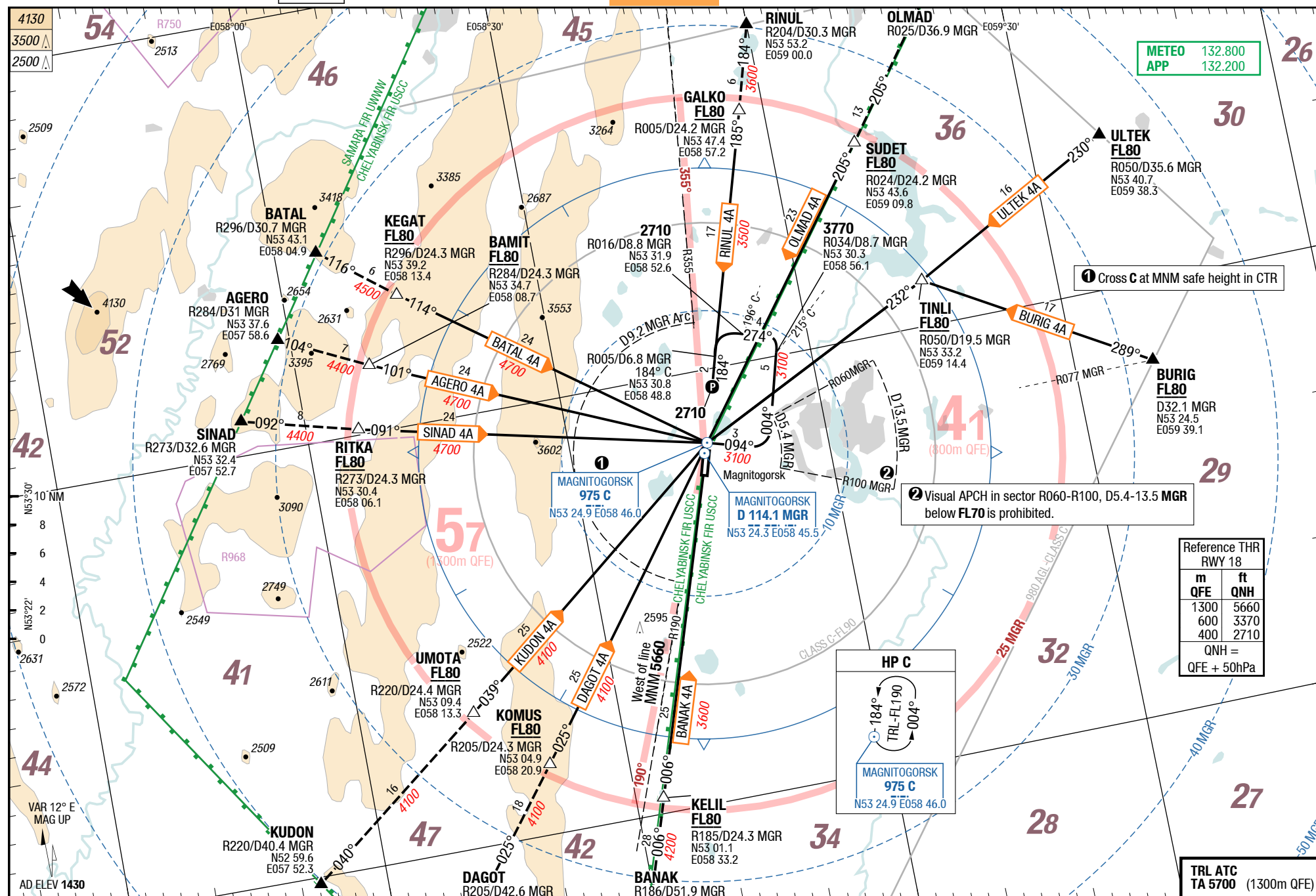
## Magnitogorsk Russian Federation

MQF-USCM

6-40

### STARs RWY 18 ( without Radar)

### STARs RWY 18 ( without Radar)



Changes: MTCA, MGA, OBST, Editorial

19-APR-2018

MQF-USCM

Russian Federation **Magnitogorsk**

STARs RWY 36 ( without Radar)

6-50

## STARs RWY 36 (Radar)

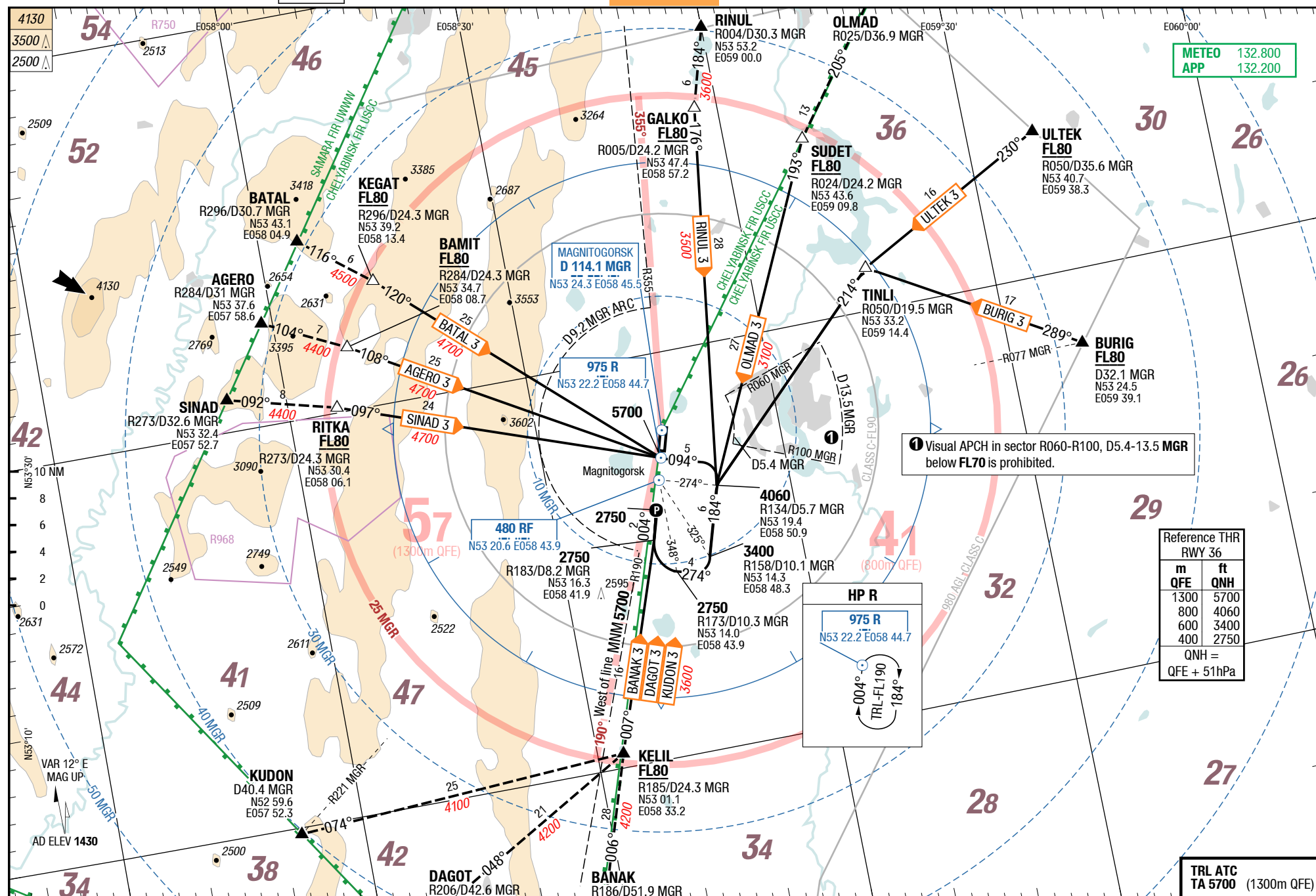
# STAR

# STAR

## Magnitogorsk Russian Federation

STARs RWY 36 ( without Radar)

## STARs RWY 36 (Radar)



Changes: MGA, MTCA, OBST, Editorial

© Lido 2018

Effective 26-APR-2018

19-APR-2018

MQF-USCM

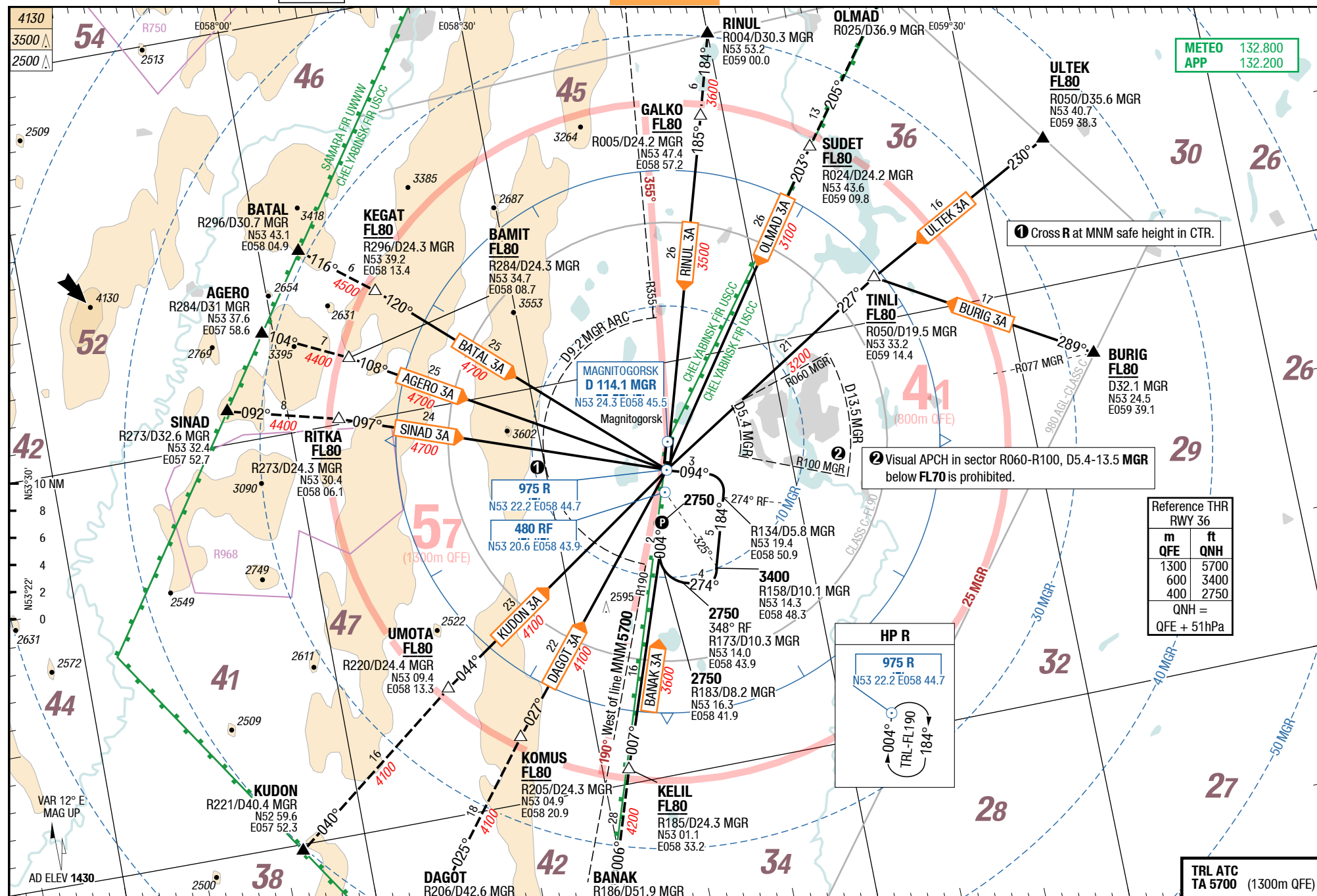
6-60 STARs RWY 36 ( without Radar)

STAR

STAR

Magnitogorsk Russian Federation

STARs RWY 36 ( without Radar)



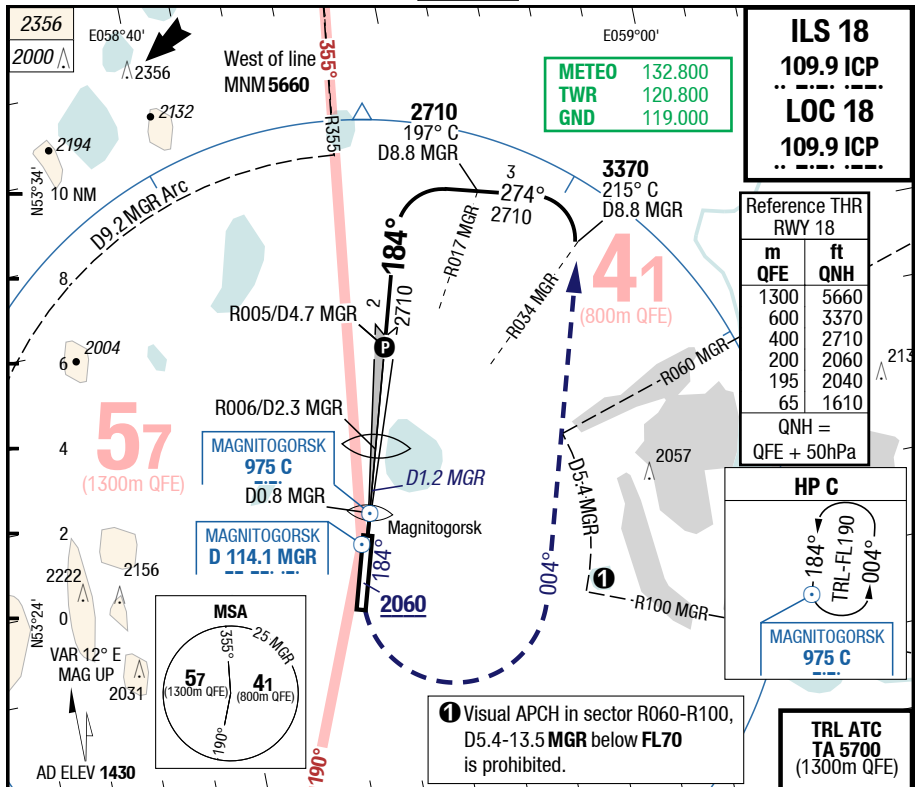
Changes: MTCA, MGA, OBST, Editorial



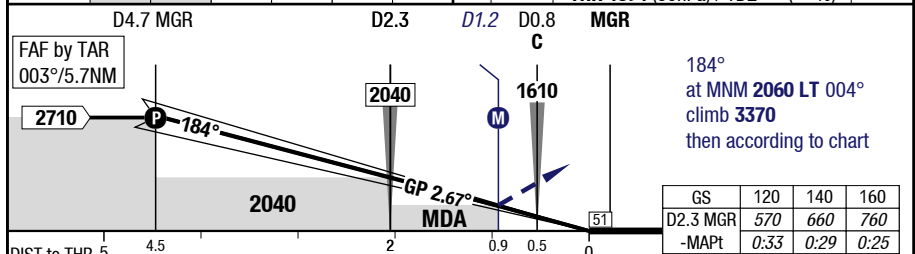
## MQF-USCM

7-10

ILS 18 / LOC 18



LOC 2.67° D MGR	4.6	4	3	2	18	82.7°	60 HL
	2710	2540	2250	1960	870	3250 x 45	
					HL-P1	THR 1394 (50hPa) / TDZ --- (---%)	+0.3%



18	Cat 1 1)	LOC DME MGR 2)	Circling 3)
C	ft - m/km ft 200 - 550R/800V 1600	370 - 1.0 1760	670 - 2.4V 2100
D	ft - m/km ft 200 - 550R/800V 1600	370 - 1.0 1760	700 - 3.6V 2130

1) FD or AP or HGS to DA required, else use 750m RVR

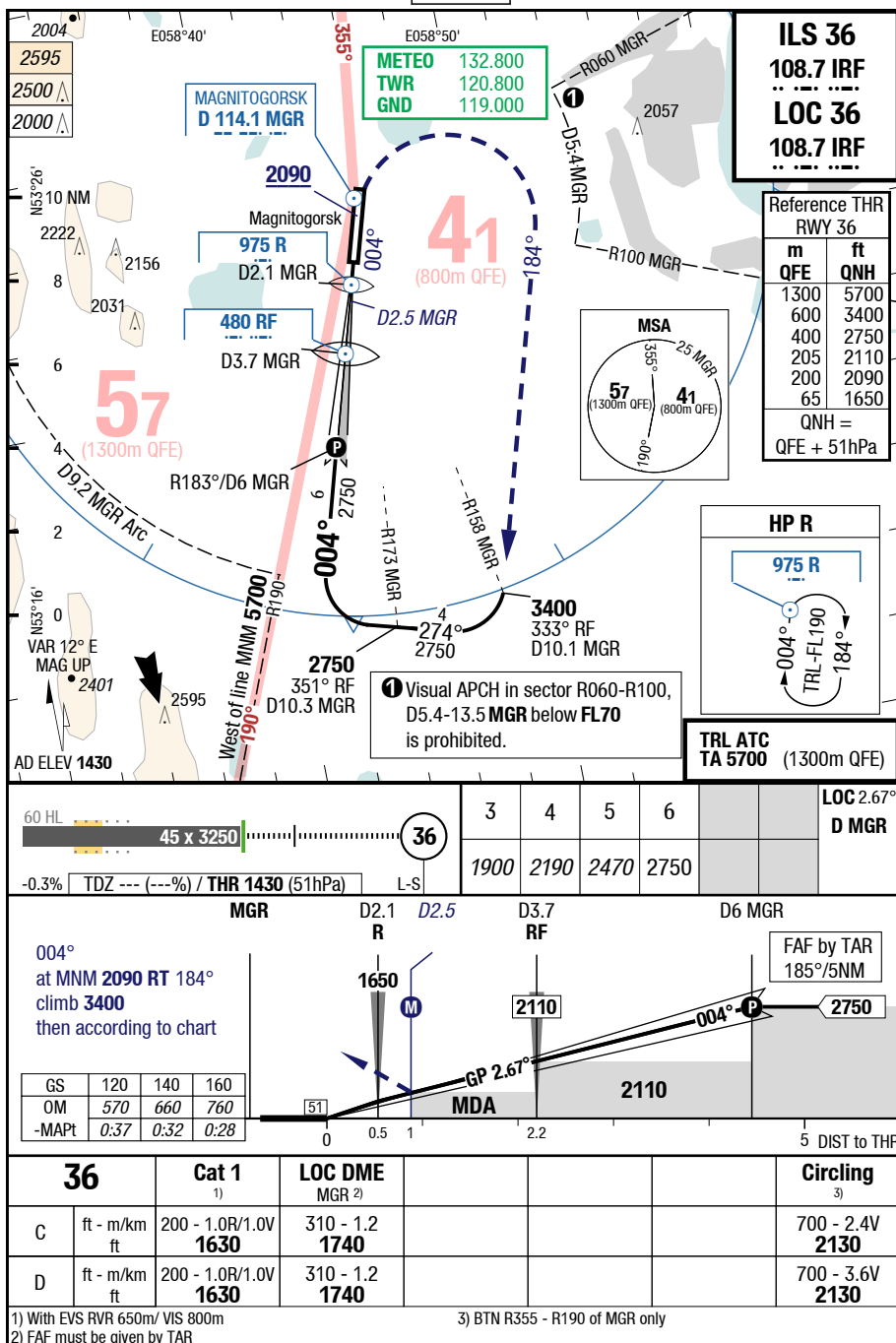
3) BTN R355 - R190 of MGR only

2) FAF must be given by TAR

## MQF-USCM

7-20

ILS 36 / LOC 36

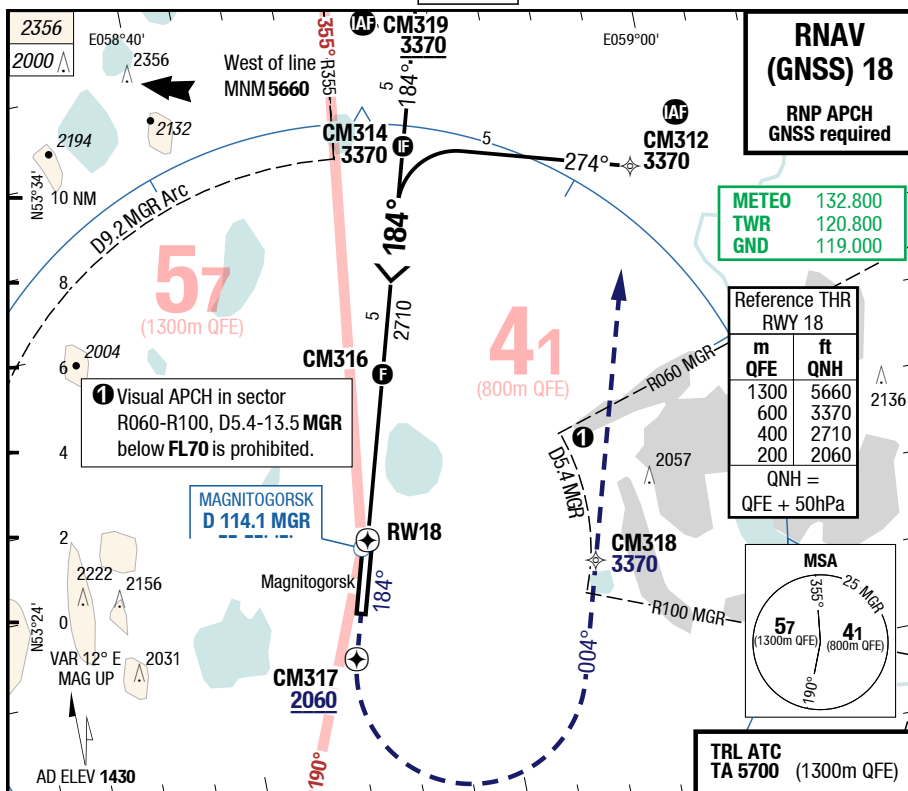




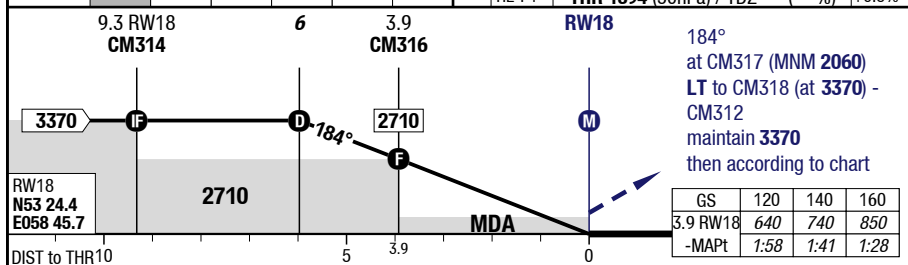
## MQF-USCM

7-30

## RNAV (GNSS) 18



3.00° <b>RW18</b>	6	5	4	3	2	
	3370	3060	2740	2420	2090	



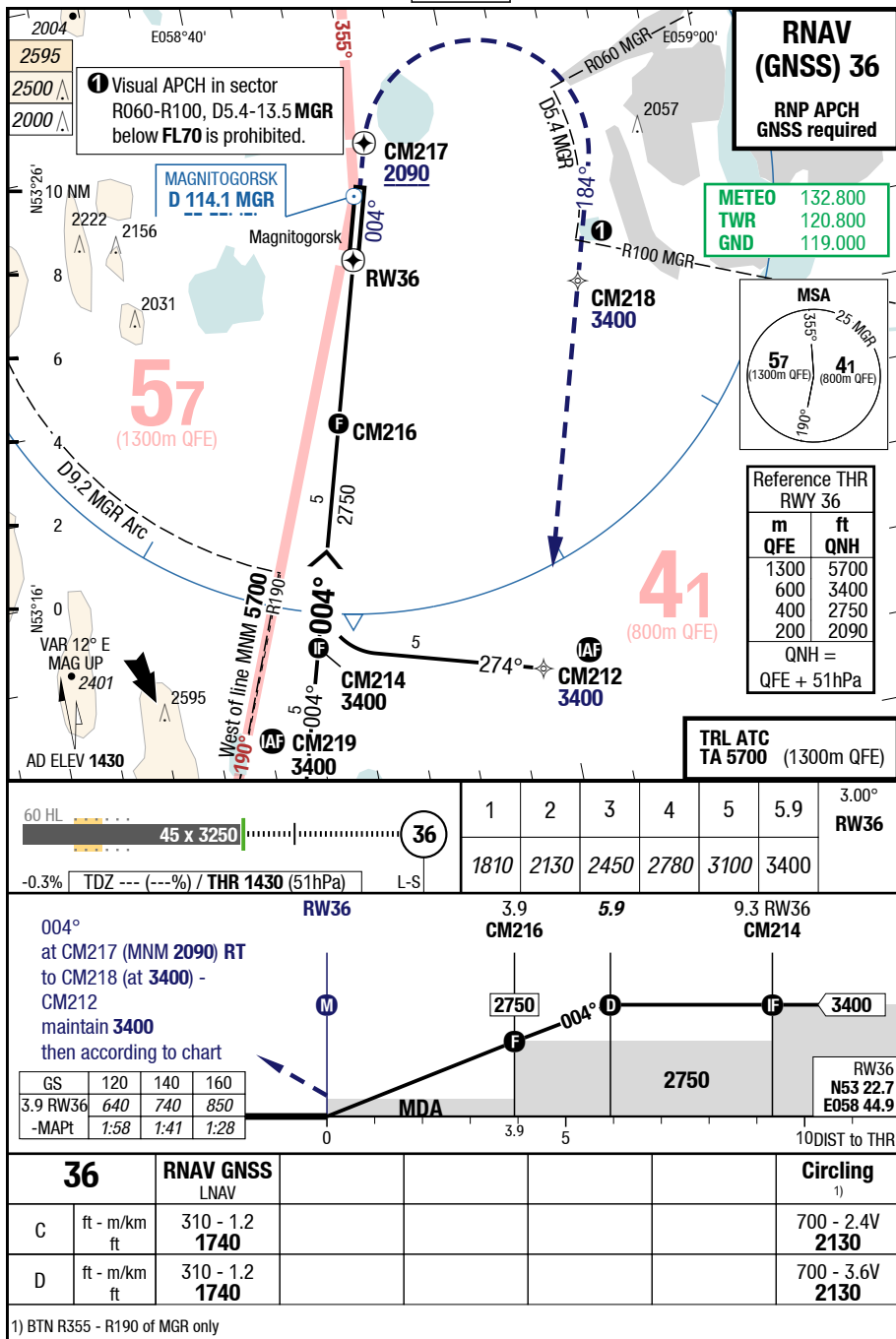
<b>18</b>		<b>RNAV GNSS</b> LNAV				<b>Circling</b> 1)
C	ft - m/km ft	500 - 1.5 <b>1890</b>				670 - 2.4V <b>2100</b>
D	ft - m/km ft	500 - 1.5 <b>1890</b>				700 - 3.6V <b>2130</b>

1) BTN R355 - R190 of MGR only

## MQF-USCM

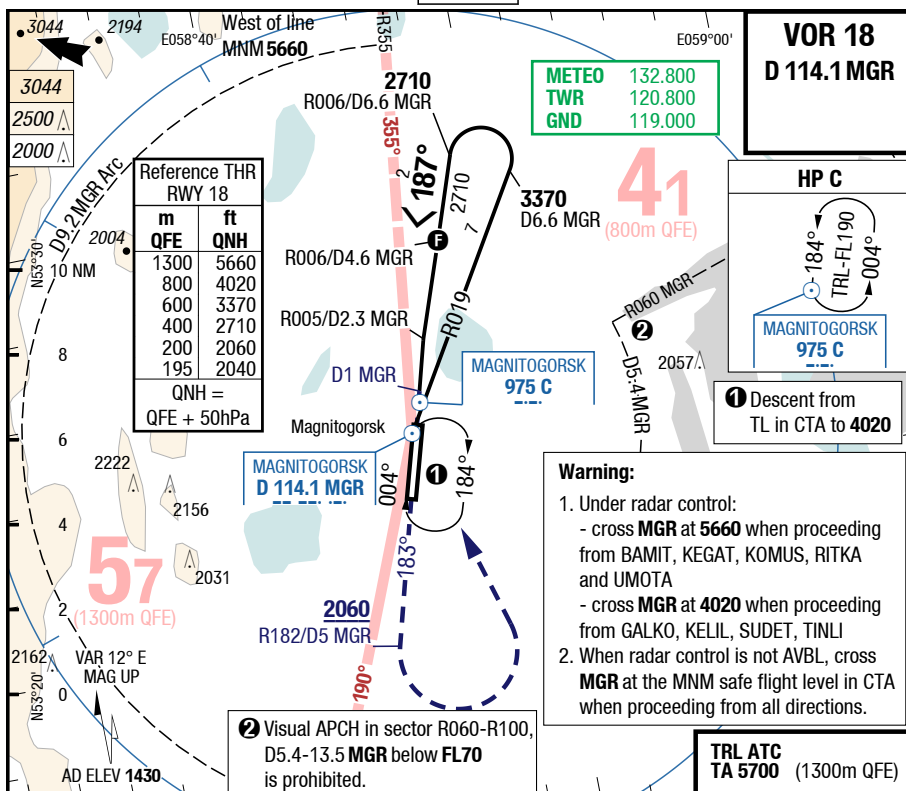
7-40

## RNAV (GNSS) 36



7-50

VOR 18



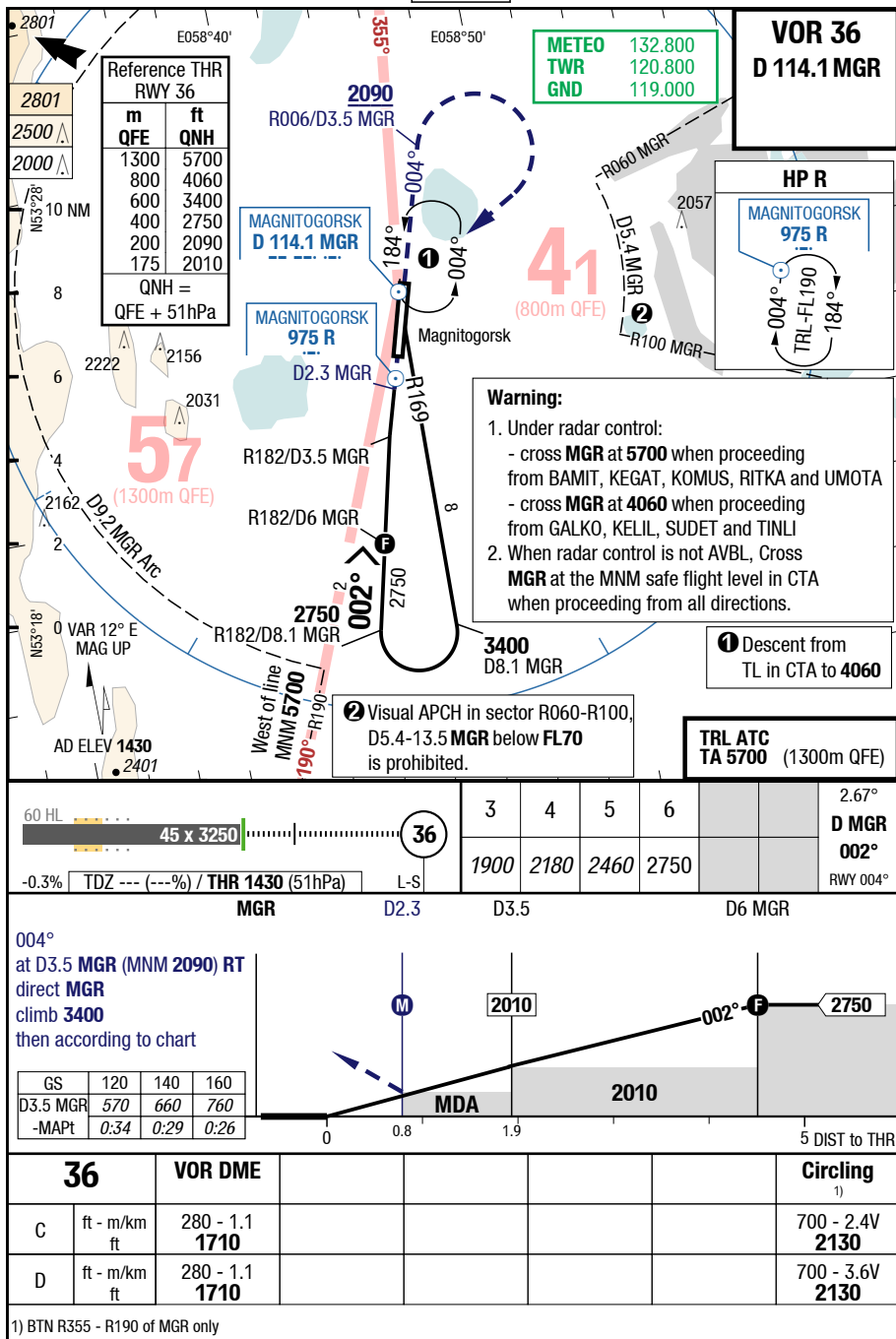
18		VOR DME		Circling <sup>1)</sup>	
C	ft - m/km ft	320 - 750 1710		670 - 2.4V 2100	
D	ft - m/km ft	320 - 750 1710		700 - 3.6V 2130	

1) BTN R355 - R190 of MGR only

## MQF-USCM

7-60

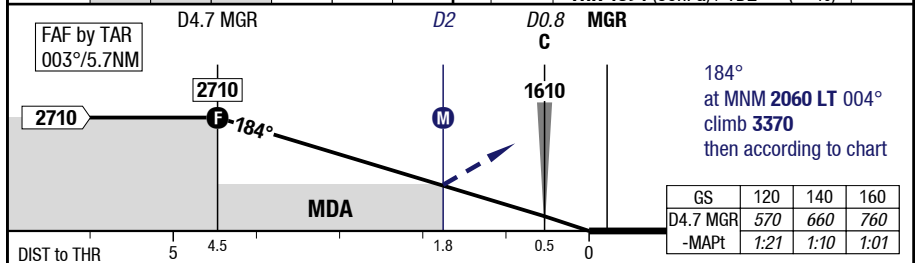
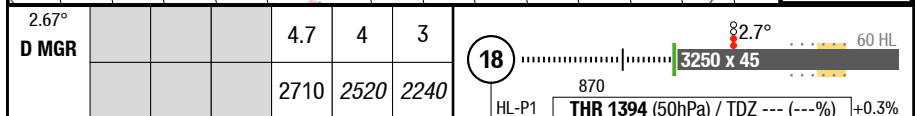
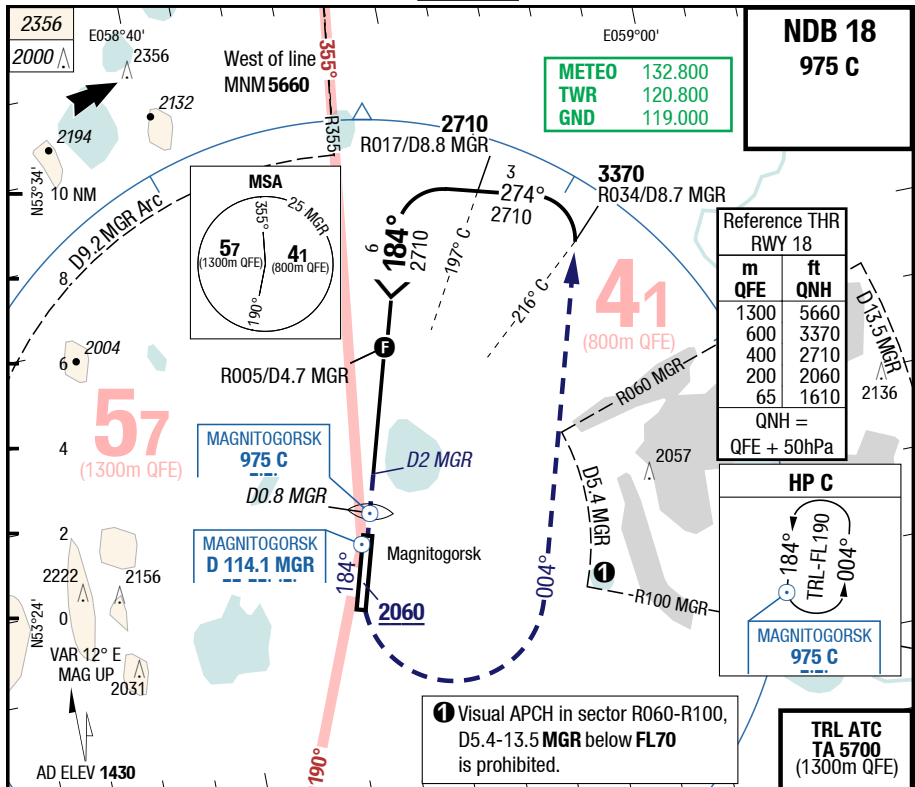
VOR 36



## MQF-USCM

7-70

NDB 18



18		NDB DME C MGR 1)	NDB C wo FAF	Circling 2)	
C	ft - m/km ft	560 - 1.8 1960	1960 - 5.0 3350		2010 - 5.0V 3440
D	ft - m/km ft	560 - 1.8 1960	1960 - 5.0 3350		2010 - 5.0V 3440

1) FAF must be given by TAR

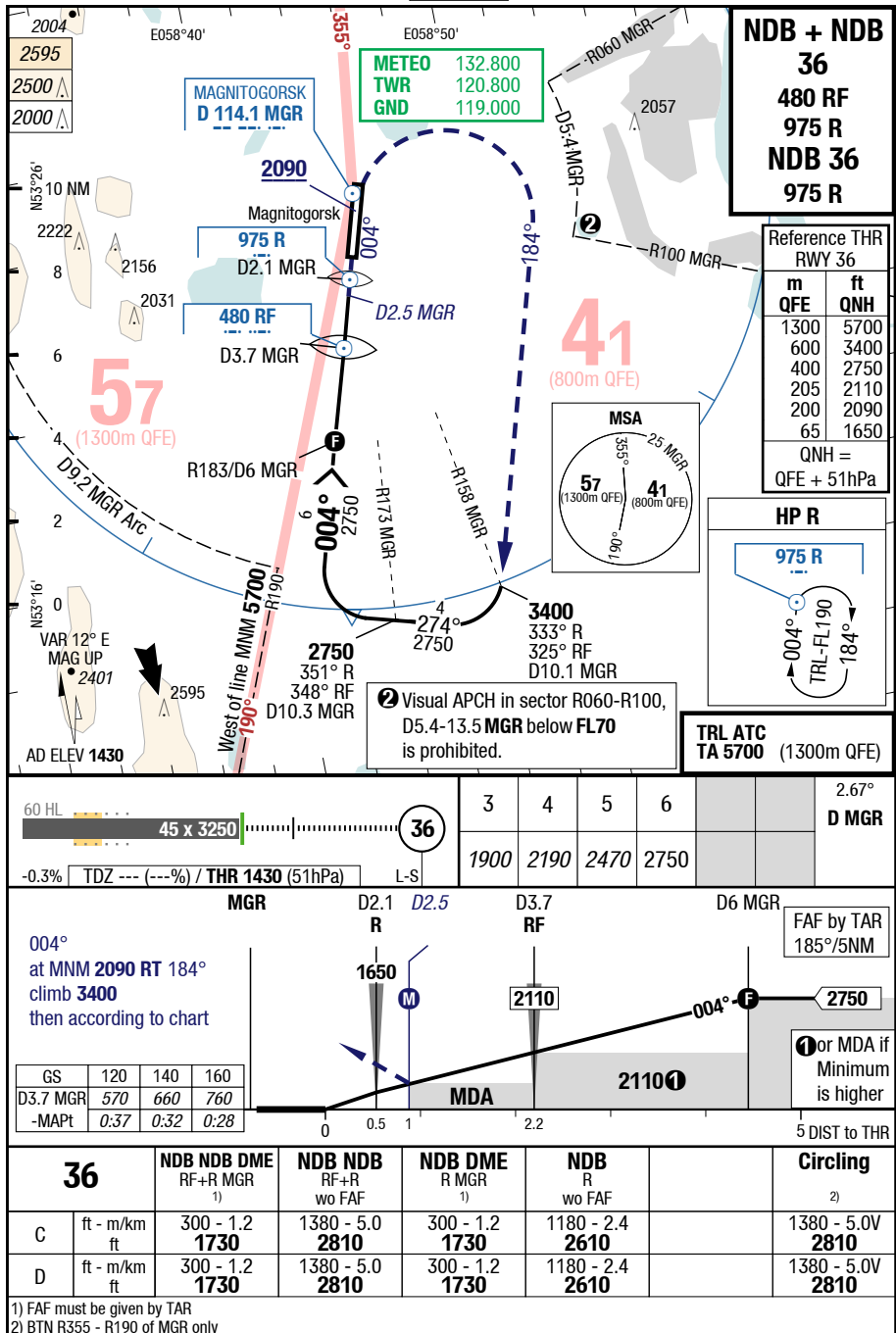
2) BTN R355 - R190 of MGR only

Changes: Nil

## MQF-USCM

7-80

NDB + NDB 36 / NDB 36

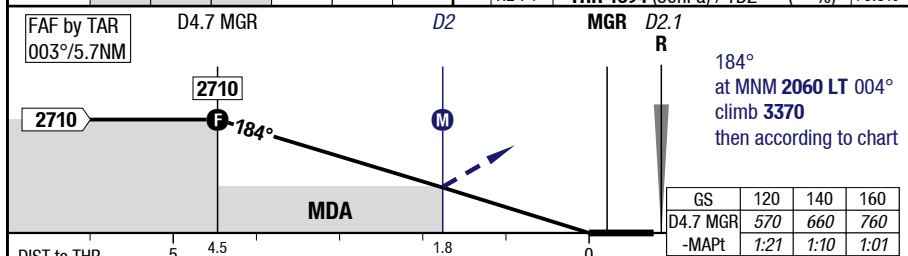
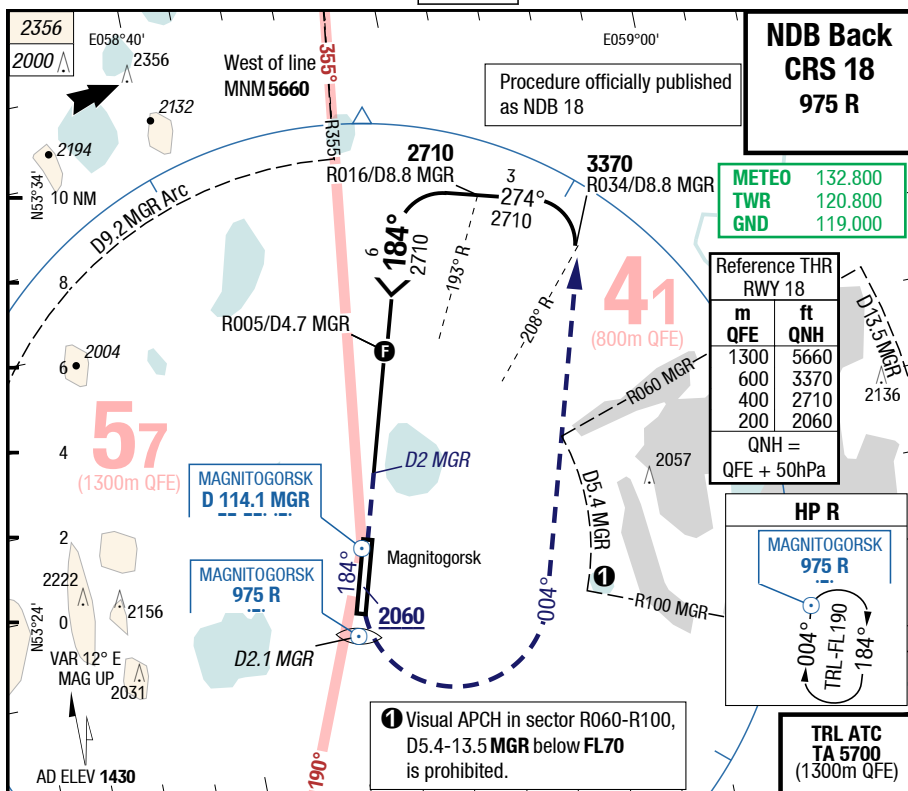


Changes: Track

## MQF-USCM

7-90

## NDB Back CRS 18



18		NDB DME R MGR 1)	NDB R wo FAF			Circling 2)
C	ft - m/km ft	560 - 1.8 <b>1960</b>	2010 - 5.0 <b>3400</b>			2010 - 5.0V <b>3440</b>
D	ft - m/km ft	560 - 1.8 <b>1960</b>	2010 - 5.0 <b>3400</b>			2010 - 5.0V <b>3440</b>

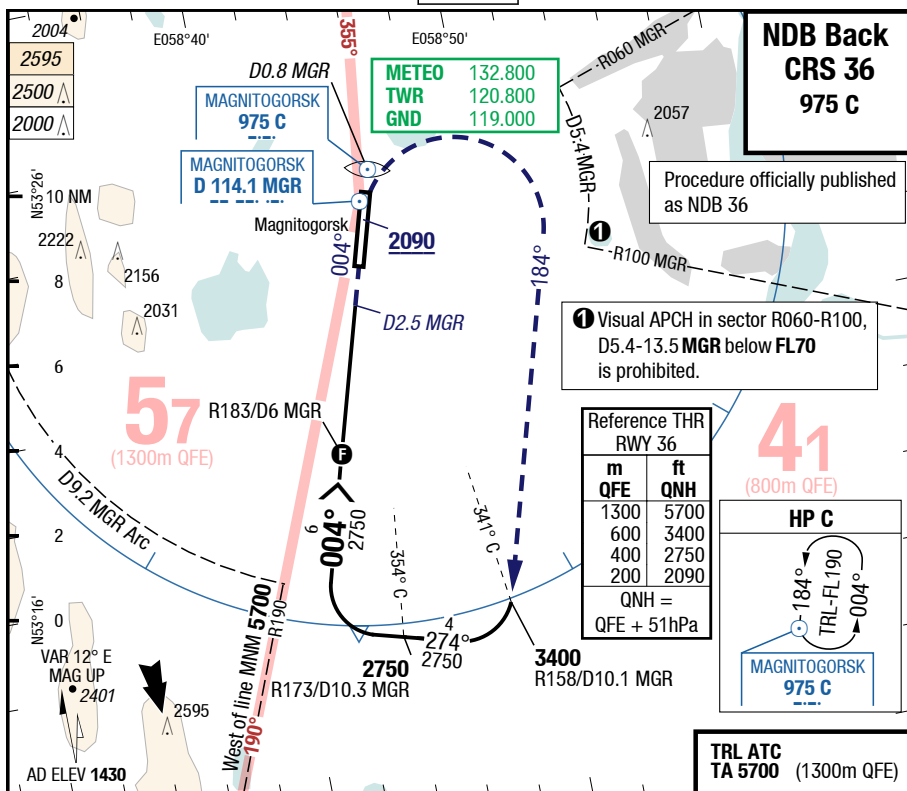
- 1) FAF must be given by TAR
- 2) BTN R355 - R190 of MGR only



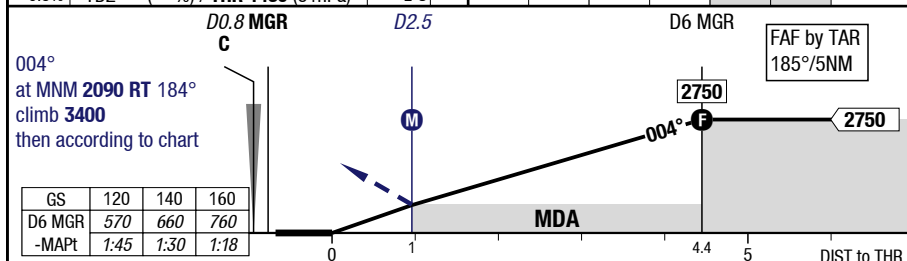
## MQF-USCM

7-100

## NDB Back CRS 36



60 HL	45 x 3250	36	3	4	5	6	2.67°
-0.3%	TDZ --- (---%) / THR 1430 (51hPa)	L-S	1900	2190	2470	2750	D MGR



36	NDB DME C MGR 1)	NDB C wo FAF				Circling 2)
C	ft - m/km ft	330 - 1.3 1760	1220 - 5.0 2650			1380 - 5.0V 2810
D	ft - m/km ft	330 - 1.3 1760	1220 - 5.0 2650			1380 - 5.0V 2810

1) FAF must be given by TAR

2) BTN R355 - R190 of MGR only

Changes: MIN, OBST, Editorial

19-APR-2018  
MQF-USCM

Russian Federation **Magnitogorsk**

NIL  
MRC

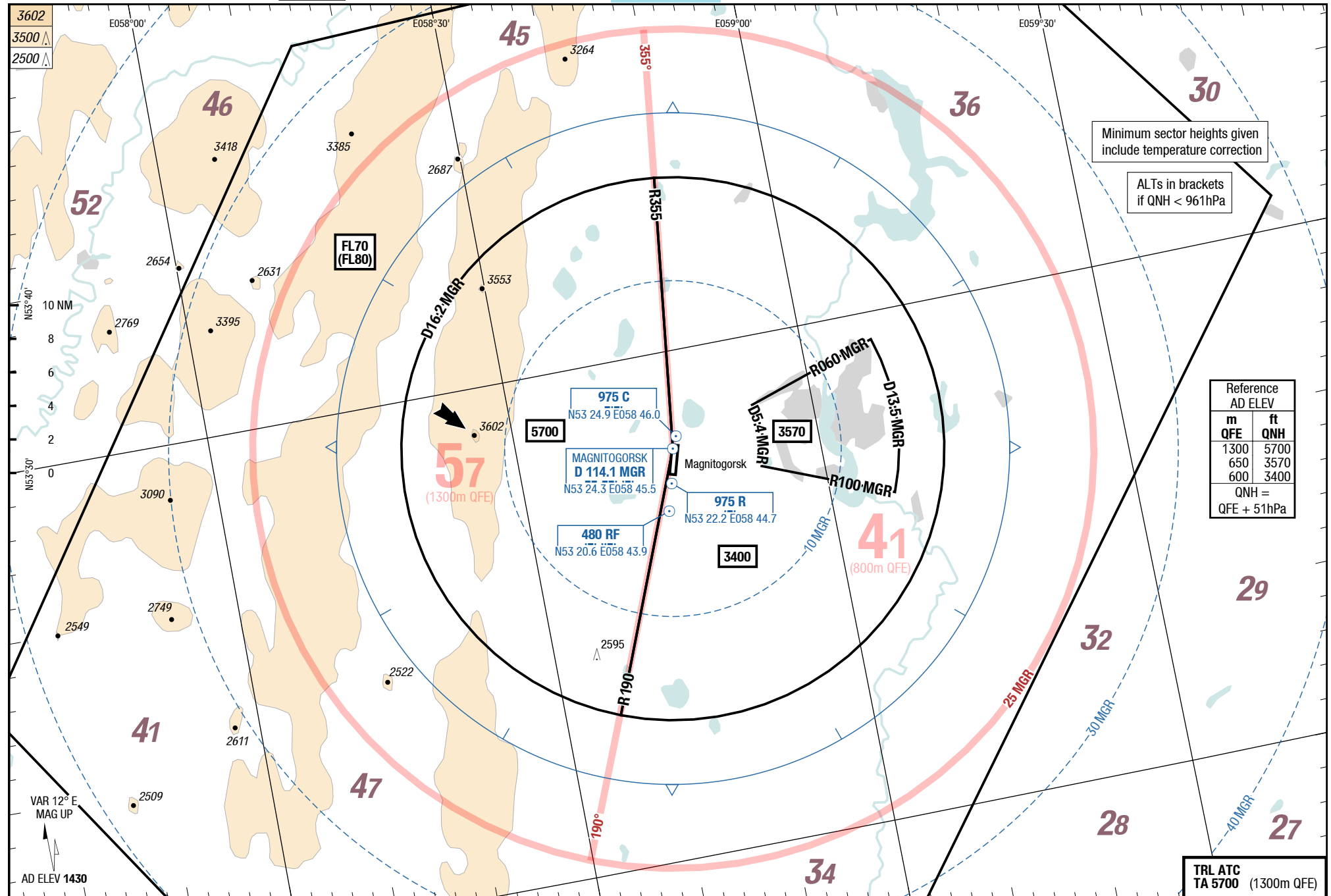
MRC

MRC

**Magnitogorsk** Russian Federation

NIL  
MRC

8-10



Changes: OBST