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Revision Letter For Cycle 01-2014

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General Information

Location: Yuzhno-Sakhalinsk Rus
IATA Code: UUS
Lat/Long: N46° 53.3' E142° 43.0'
Elevation: 59 ft

Airport Use: Public
Magnetic Variation: 10.2°W

Fuel Types: 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: No

Sunrise: 2214 Z
Sunset: 0655 Z,

Runway Information

Runway: 01
Length x Width: 11158 ft x 148 ft
Surface Type: concrete
TDZ-Elev: 45 ft
Lighting: Edge, ALS

Runway: 19
Length x Width: 11158 ft x 148 ft
Surface Type: concrete
TDZ-Elev: 50 ft
Lighting: Edge, ALS

Communication Information

ATIS 126.2
Yuzhno-Sakhalinsk Tower 120.6
Yuzhno-Sakhalinsk Ramp/Taxi Control 119.0

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STAR DESIGNATION	REFER TO CHART
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Alt Set: MM (hPa on request) QNH on request (QFE)

Trans level: FL70

FL80 if pressure is less than 758 mm (1010.6 hPa)

FL90 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 5310' (5266')

ATIS
126.2Apt Elev
59'

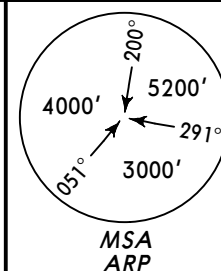
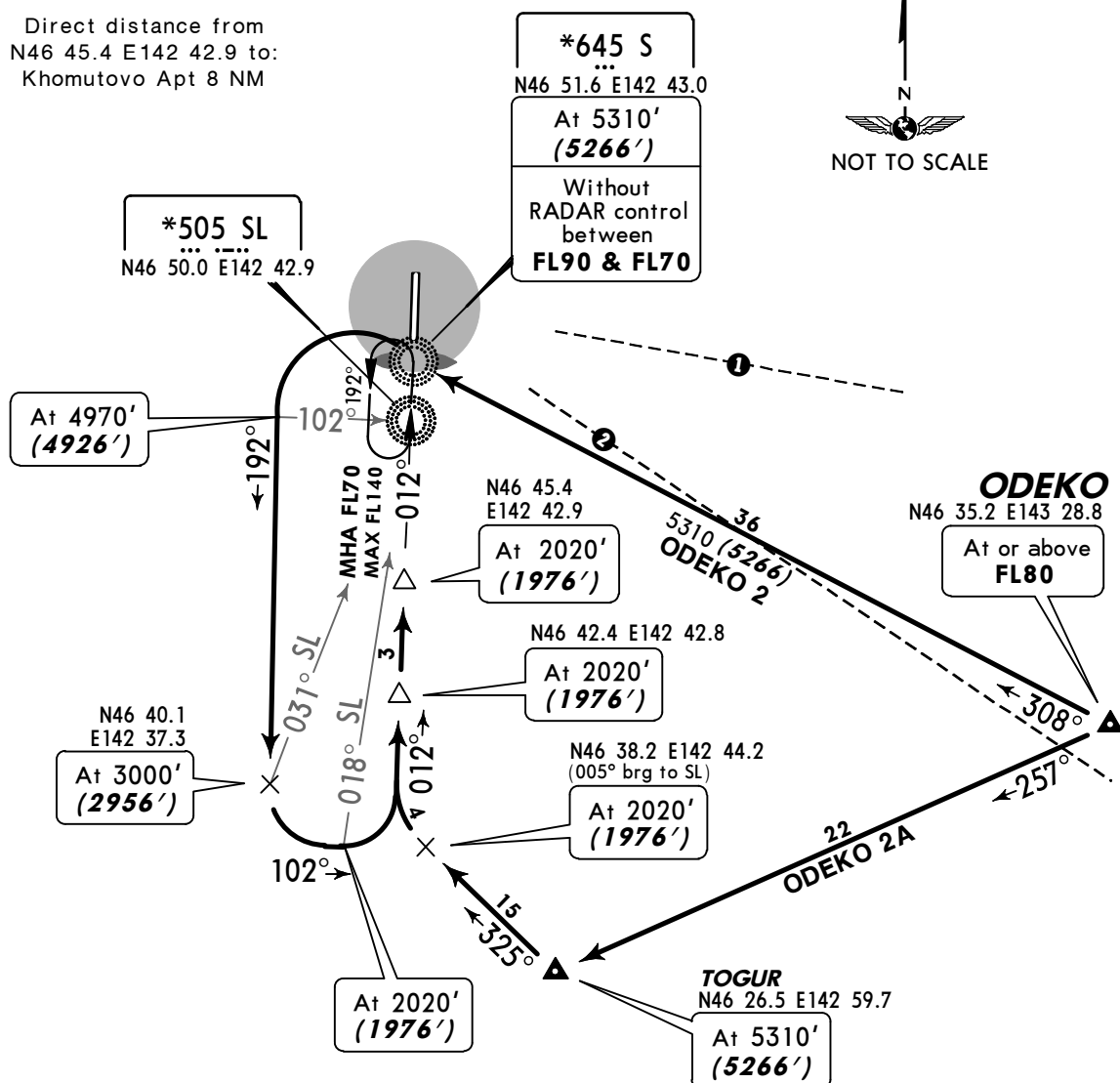
ODEKO 2

ODEKO 2A [ODEK2A]

ONLY FOR RUSSIAN USERS OF AIRSPACE
BY ATC

RWY 01 ARRIVALS

CAT C & D

MSA
ARPDirect distance from
N46 45.4 E142 42.9 to:
Khomutovo Apt 8 NM

- ① 291° to ARP between 13.5 NM and 3.8 NM
do not fly NORTH below 5310' (5266').
- ② 315° to ARP between 37.8 NM and 3.8 NM
do not fly NORTH below 3990' (3946').

ALT/HEIGHT CONVERSION
QNH (QFE)

5310'	(5266' - 1600m)
4970'	(4926' - 1500m)
3990'	(3946' - 1200m)
3000'	(2956' - 900m)
2020'	(1976' - 600m)

STAR

ROUTING

ODEKO 2

Intercept 308° bearing to S, turn LEFT, 192° track to N46 40.1 E142 37.3, turn LEFT, 102° track, when passing 018° bearing to SL turn on 012° track to N46 45.4 E142 42.9.

ODEKO 2A
By ATC

On 257° track to TOGUR, turn RIGHT, 325° track to N46 38.2 E142 44.2 (005° bearing to SL), turn on 012° track to N46 45.4 E142 42.9.

ATIS
126.2Apt Elev
59'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5266')

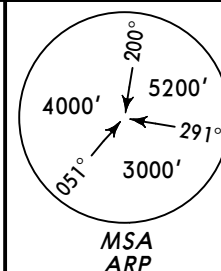
ODEKO 2

ODEKO 2A

ONLY FOR RUSSIAN USERS OF AIRSPACE
BY ATC

RWY 01 ARRIVALS

CAT A & B



Direct distance from
N46 45.4 E142 42.9 to:
Khomutovo Apt 8 NM

*505 SL
N46 50.0 E142 42.9

*645 S
N46 51.6 E142 43.0
At 5310'
(5266')
Without
RADAR control
between
FL90 & FL70

At 4970'
(4926')

N46 42.5 E142 38.9
At 3000'
(2956')

N46 45.4
E142 42.9
At 2020'
(1976')

N46 42.4 E142 42.8
At 2020'
(1976')

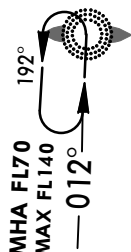
N46 38.2 E142 44.2
(005° brg to SL)
At 2020'
(1976')

At 2020'
(1976')

TOGUR
N46 26.5 E142 59.7
At 5310'
(5266')

ODEKO
N46 35.2 E143 28.8
At or above
FL80

HOLDING
OVER
S



- ① 291° to ARP between 13.5 NM and 3.8 NM
do not fly NORTH below 5310' (5266').
- ② 315° to ARP between 37.8 NM and 3.8 NM
do not fly NORTH below 3990' (3946').

ALT/HEIGHT CONVERSION	
QNH	(QFE)
5310'	(5266' - 1600m)
4970'	(4926' - 1500m)
3990'	(3946' - 1200m)
3000'	(2956' - 900m)
2020'	(1976' - 600m)

STAR

ROUTING

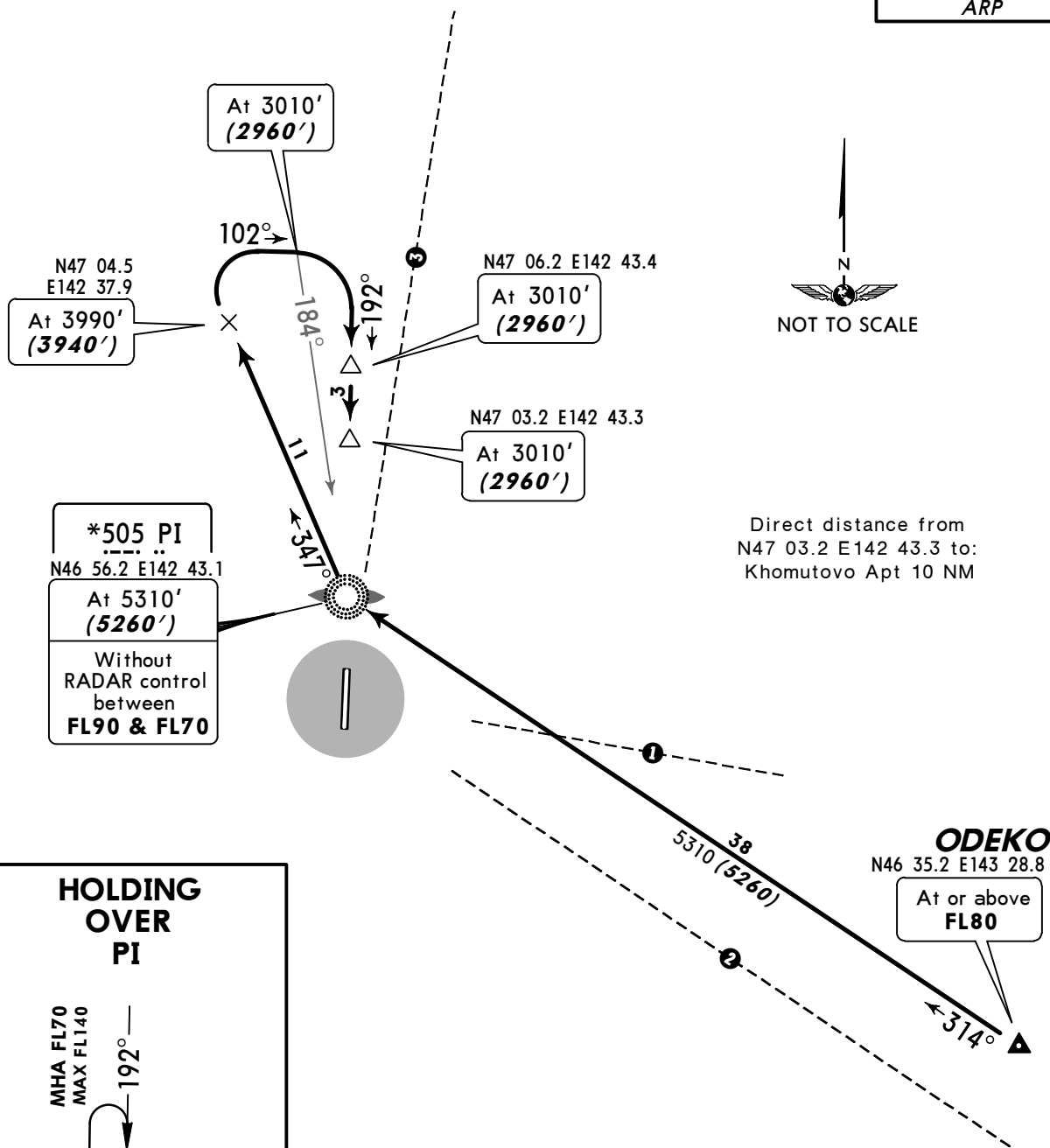
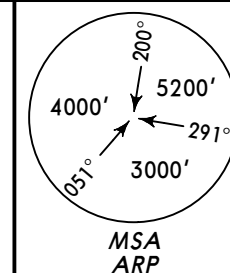
ODEKO 2

Intercept 308° bearing to S, turn LEFT, 192° track to N46 42.5 E142 38.9, turn LEFT, 102° track, when passing 016° bearing to SL turn on 012° track to N46 45.4 E142 42.9.

ODEKO 2A
By ATC

On 257° track to TOGUR, turn RIGHT, 325° track to N46 38.2 E142 44.2 (005° bearing to SL), turn on 012° track to N46 45.4 E142 42.9.

Alt Set: MM (hPa on request) QNH on request **(QFE)**
Trans level: FL70
 FL80 if pressure is less than 758 mm (1010.6 hPa)
 FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' **(5260')**

CAT C & D

MHA FL70
MAX FL140

012° 192°

ALT/HEIGHT CONVERSION
QNH (QFE)

5310'	(5260' - 1600m)
3990'	(3940' - 1200m)
3010'	(2960' - 900m)

- ➊ 291° to ARP between 13.5 NM and 3.8 NM do not fly NORTH below 5310' (5260').
- ➋ 315° to ARP between 37.8 NM and 3.8 NM do not fly NORTH below 3990' (3940').
- ➌ 200° to ARP between 22.7 NM and 3.8 NM do not fly EAST below 5310' (5260').

Intercept 314° bearing to PI, turn RIGHT, 347° bearing to N47 04.5 E142 37.9, turn RIGHT, 102° track, when passing 184° bearing to PI turn RIGHT, 192° track to N47 03.2 E142 43.3.

Alt Set: MM (hPa on request) QNH on request (QFE)

Trans level: FL70

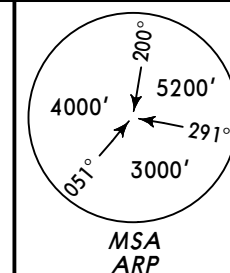
FL80 if pressure is less than 758 mm (1010.6 hPa)

FL90 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 5310' (5260')

ATIS
126.2Apt Elev
59'ODEKO 4
RWY 19 ARRIVAL

CAT A & B

N47 04.2 E142 39.7
(174° brg to PI)At 3990'
(3940')At 3010'
(2960')

N47 06.2 E142 43.4

At 3010'
(2960')

N47 03.2 E142 43.3

At 3010'
(2960')

*505 PI
N46 56.2 E142 43.1
At 5310'
(5260')
Without
RADAR control
between
FL90 & FL70

Direct distance from
N47 03.2 E142 43.3 to:
Khomutovo Apt 10 NMHOLDING
OVER
PI

ALT/HEIGHT CONVERSION	
QNH	(QFE)
5310'	(5260' - 1600m)
3990'	(3940' - 1200m)
3010'	(2960' - 900m)

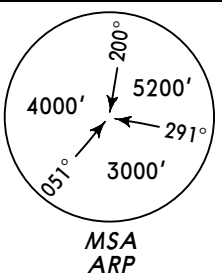
ODEKO
N46 35.2 E143 28.8At or above
FL80

- 1 291° to ARP between 13.5 NM and 3.8 NM do not fly NORTH below 5310' (5260').
- 2 315° to ARP between 37.8 NM and 3.8 NM do not fly NORTH below 3990' (3940').
- 3 200° to ARP between 22.7 NM and 3.8 NM do not fly EAST below 5310' (5260').

ROUTING

Intercept 314° bearing to PI, turn RIGHT, 352° bearing to N47 04.2 E142 39.7, turn RIGHT, 102° track, when passing 184° bearing to PI turn RIGHT, 192° track to N47 03.2 E142 43.3.

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5266')

ATIS
126.2Apt Elev
59'

ZUBAN 2, ZUBAN 2A [ZUBA2A]

ZUBAN 2B [ZUBA2B] ①

RWY 01 ARRIVALS

ONLY FOR RUSSIAN USERS OF AIRSPACE

BY ATC

CAT C & D

*645 S

N46 51.6 E142 43.0

At 5310'
(5266')Without
RADAR control
between
FL90 & FL70

UH(R)-1399

*505 SL

N46 50.0 E142 42.9

At 4970'
(4926')

ZUBAN 2

ZUBAN 2B

N46 45.4
E142 42.9At 2020'
(1976')

N46 42.4 E142 42.8

At 2020'
(1976')N46 38.2 E142 44.2
(005° brg to SL)At 2020'
(1976')N46 40.1
E142 37.3At 3000'
(2956')At 2020'
(1976')

ZUBAN 2A

ZUBAN 2, 2B

TOGUR
N46 26.5 E142 59.7At 5310'
(5266')

ZUBAN

N46 20.1 E143 09.1

At or above
FL80Direct distance from
N46 45.4 E142 42.9 to:
Khomutovo Apt 8 NMARGOV
N45 50.0 E143 33.6

ALT/HEIGHT CONVERSION	
QNH	(QFE)
5310'	(5266' - 1600m)
4970'	(4926' - 1500m)
3990'	(3946' - 1200m)
3000'	(2956' - 900m)
2020'	(1976' - 600m)

- ② 291° to ARP between 13.5 NM and 3.8 NM
do not fly NORTH below 5310' (5266').
- ③ 315° to ARP between 37.8 NM and 3.8 NM
do not fly NORTH below 3990' (3946').

STAR

ROUTING

ZUBAN 2

Intercept 341° bearing to S, turn LEFT, 192° track to N46 40.1 E142 37.3, turn LEFT, 102° track, when passing 018° bearing to SL turn on 012° track to N46 45.4 E142 42.9.

ZUBAN 2A

On 325° track via TOGUR to N46 38.2 E142 44.2 (005° bearing to SL), turn on 012° track to N46 45.4 E142 42.9.

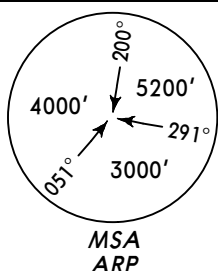
ZUBAN 2B

①

Intercept 341° bearing to S, turn RIGHT, 223° track to N46 40.1 E142 37.3, turn LEFT, 102° track, when passing 018° bearing to SL turn on 012° track to N46 45.4 E142 42.9.

① Available when UH(R)-1399 is active.

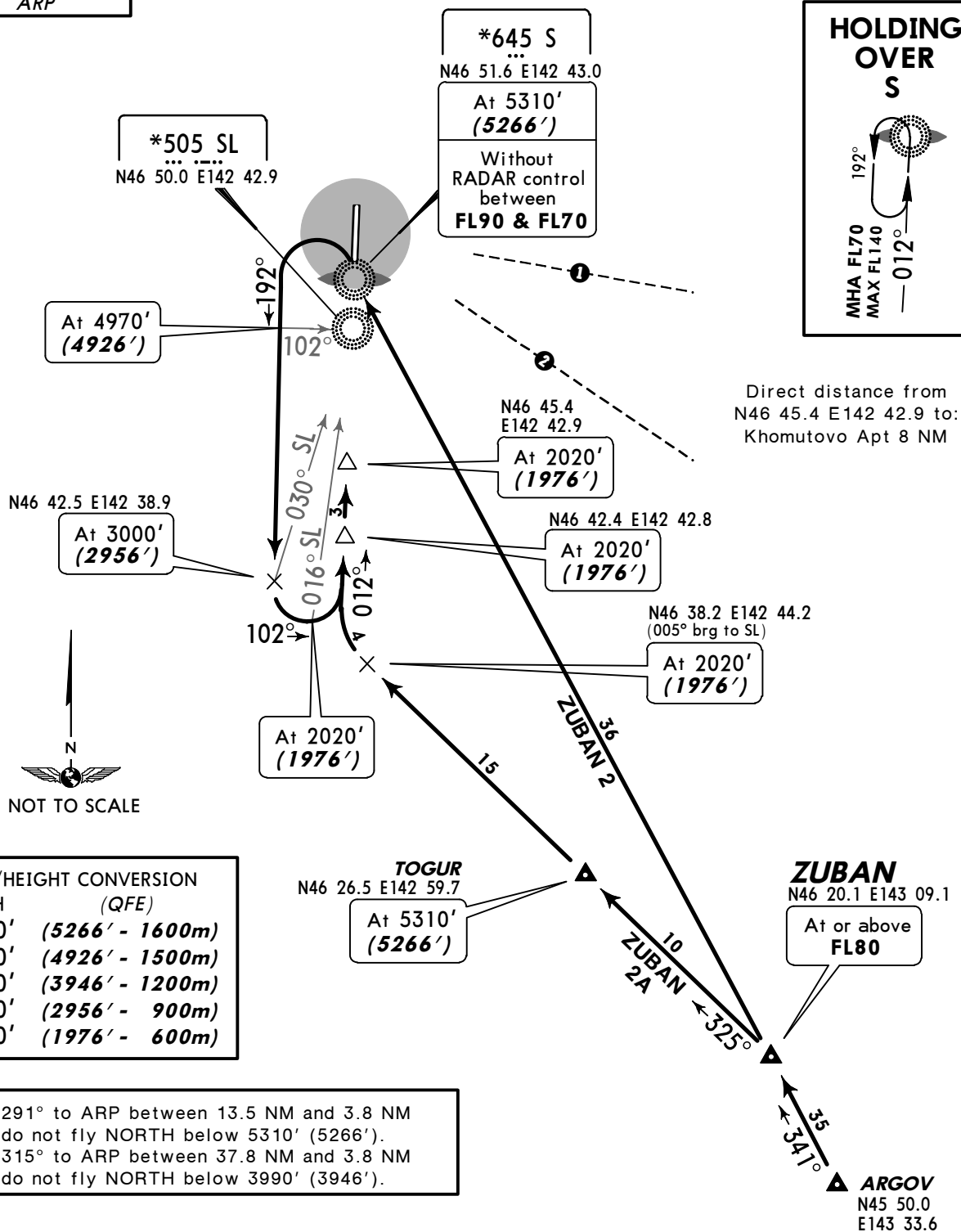
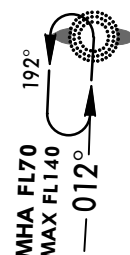
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5266')

ATIS
126.2Apt Elev
59'MSA
ARP

ZUBAN 2, ZUBAN 2A RWY 01 ARRIVALS

ONLY FOR RUSSIAN USERS OF AIRSPACE
BY ATC

CAT A & B

**HOLDING
OVER
S**

ALT/HEIGHT CONVERSION	
QNH	(QFE)
5310'	(5266' - 1600m)
4970'	(4926' - 1500m)
3990'	(3946' - 1200m)
3000'	(2956' - 900m)
2020'	(1976' - 600m)

- 291° to ARP between 13.5 NM and 3.8 NM do not fly NORTH below 5310' (5266').
- 315° to ARP between 37.8 NM and 3.8 NM do not fly NORTH below 3990' (3946').

STAR**ROUTING****ZUBAN 2**

Intercept 341° bearing to S, turn LEFT, 192° track to N46 42.5 E142 38.9, turn LEFT, 102° track, when passing 016° bearing to SL turn on 012° track to N46 45.4 E142 42.9.

ZUBAN 2A

On 325° track via TOGUR to N46 38.2 E142 44.2 (005° bearing to SL), turn on 012° track to N46 45.4 E142 42.9.

Alt Set: MM (hPa on request) QNH on request (QFE)

Trans level: FL70

FL80 if pressure is less than 758 mm (1010.6 hPa)

FL90 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 5310' (5260')

ATIS
126.2Apt Elev
59'

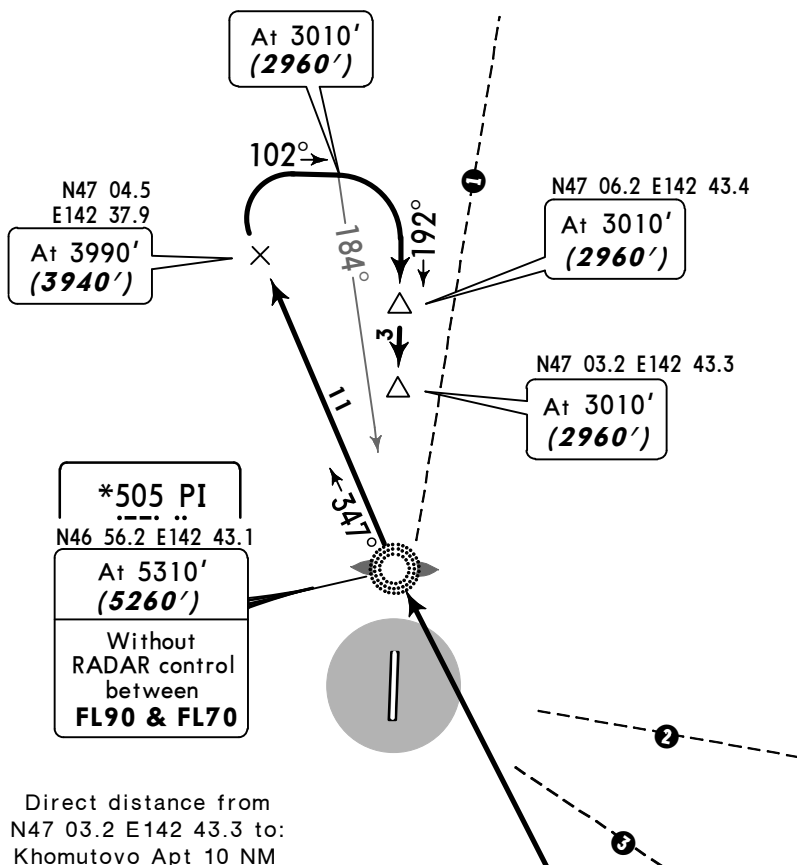
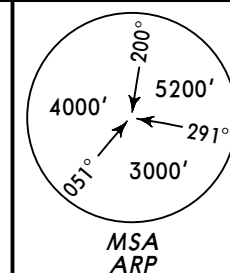
ZUBAN 4

RWY 19 ARRIVAL

ONLY FOR RUSSIAN USERS OF AIRSPACE

BY ATC

CAT C & D

HOLDING
OVER
PI

ALT/HEIGHT CONVERSION	
QNH	(QFE)
5310'	(5260' - 1600m)
3990'	(3940' - 1200m)
3010'	(2960' - 900m)



ZUBAN

N46 20.1 E143 09.1

At or above
FL80

ARGOV

N45 50.0 E143 33.6

- 200° to ARP between 22.7 NM and 3.8 NM do not fly EAST below 5310' (5260').
- 291° to ARP between 13.5 NM and 3.8 NM do not fly NORTH below 5310' (5260').
- 315° to ARP between 37.8 NM and 3.8 NM do not fly NORTH below 3990' (3940').

ROUTING

Intercept 344° bearing to PI, turn RIGHT, 347° bearing to N47 04.5 E142 37.9, turn RIGHT, 102° track, when passing 184° bearing to PI turn RIGHT, 192° track to N47 03.2 E142 43.3.

Alt Set: MM (hPa on request) QNH on request (QFE)

Trans level: FL70

FL80 if pressure is less than 758 mm (1010.6 hPa)

FL90 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 5310' (5260')

ATIS
126.2Apt Elev
59'

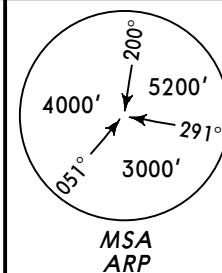
ZUBAN 4

RWY 19 ARRIVAL

ONLY FOR RUSSIAN USERS OF AIRSPACE

BY ATC

CAT A & B

HOLDING
OVER
PIN47 04.2 E142 39.7
(174° brg to PI)At 3990'
(3940')At 3010'
(2960')

N47 06.2 E142 43.4

At 3010'
(2960')

N47 03.2 E142 43.3

At 3010'
(2960')

*505 PI

N46 56.2 E142 43.1

At 5310'
(5260')Without
RADAR control
between
FL90 & FL70Direct distance from
N47 03.2 E142 43.3 to:
Khomutovo Apt 10 NM

ALT/HEIGHT CONVERSION	
QNH	(QFE)
5310'	(5260' - 1600m)
3990'	(3940' - 1200m)
3010'	(2960' - 900m)



ZUBAN

N46 20.1 E143 09.1

At or above
FL80

ARGOV

N45 50.0 E143 33.6

- 200° to ARP between 22.7 NM and 3.8 NM do not fly EAST below 5310' (5260').
- 291° to ARP between 13.5 NM and 3.8 NM do not fly NORTH below 5310' (5260').
- 315° to ARP between 37.8 NM and 3.8 NM do not fly NORTH below 3990' (3940').

ROUTING

Intercept 344° bearing to PI, turn RIGHT, 352° bearing to N47 04.2 E142 39.7, turn RIGHT, 102° track, when passing 184° bearing to PI turn RIGHT, 192° track to N47 03.2 E142 43.3.

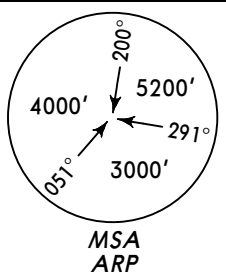
Alt Set: MM (hPa on request) QNH on request (QFE)

Trans level: FL70

FL80 if pressure is less than 758 mm (1010.6 hPa)

FL90 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 5310' (5266')

ATIS
126.2Apt Elev
59'PERUB 2, PERUB 2A [PERU2A], PERUB 2B [PERU2B]①
RWY 01 ARRIVALS

BY ATC

CAT C & D

*645 S

N46 51.6 E142 43.0

At 5310'
(5266')Without
RADAR control
between
FL90 & FL70

UH(R)-1399

*505 SL

N46 50.0 E142 42.9

At 4970'
(4926')

PERUB 2

PERUB 2B

ALT/HEIGHT CONVERSION

QNH

(QFE)

5310' (5266' - 1600m)

4970' (4926' - 1500m)

3990' (3946' - 1200m)

3000' (2956' - 900m)

2020' (1976' - 600m)



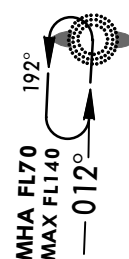
N46 40.1 E142 37.3

At 3000'
(2956')

N46 45.4 E142 42.9

At 2020'
(1976')

N46 42.4 E142 42.8

At 2020'
(1976')At 2020'
(1976')N46 36.6 E142 41.8
(014° brg to SL)
At 2020'
(1976')Direct distance from
N46 45.4 E142 42.9 to:
Khomutovo Apt 8 NMHOLDING
OVER
SPERUB
N46 20.0 E142 17.2At or above
FL90

- ② 291° to ARP between 13.5 NM and 3.8 NM do not fly NORTH below 5310' (5266').
- ③ 315° to ARP between 37.8 NM and 3.8 NM do not fly NORTH below 3990' (3946').
- ④ 055° to ARP between 37.8 NM and 8.1 NM do not fly NORTH below 3990' (3946').

STAR

ROUTING

PERUB 2

Intercept 040° bearing to S, turn LEFT, 192° track to N46 40.1 E142 37.3, turn LEFT, 102° track, when passing 018° bearing to SL turn on 012° track to N46 45.4 E142 42.9.

PERUB 2A

On 056° track to N46 36.6 E142 41.8 (014° bearing to SL), turn on 012° track to N46 45.4 E142 42.9.

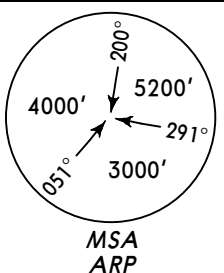
PERUB 2B

①

Intercept 040° bearing to S, turn RIGHT, 223° track to N46 40.1 E142 37.3, turn LEFT, 102° track, when passing 018° bearing to SL turn on 012° track to N46 45.4 E142 42.9.

① Available when UH(R)-1399 is active.

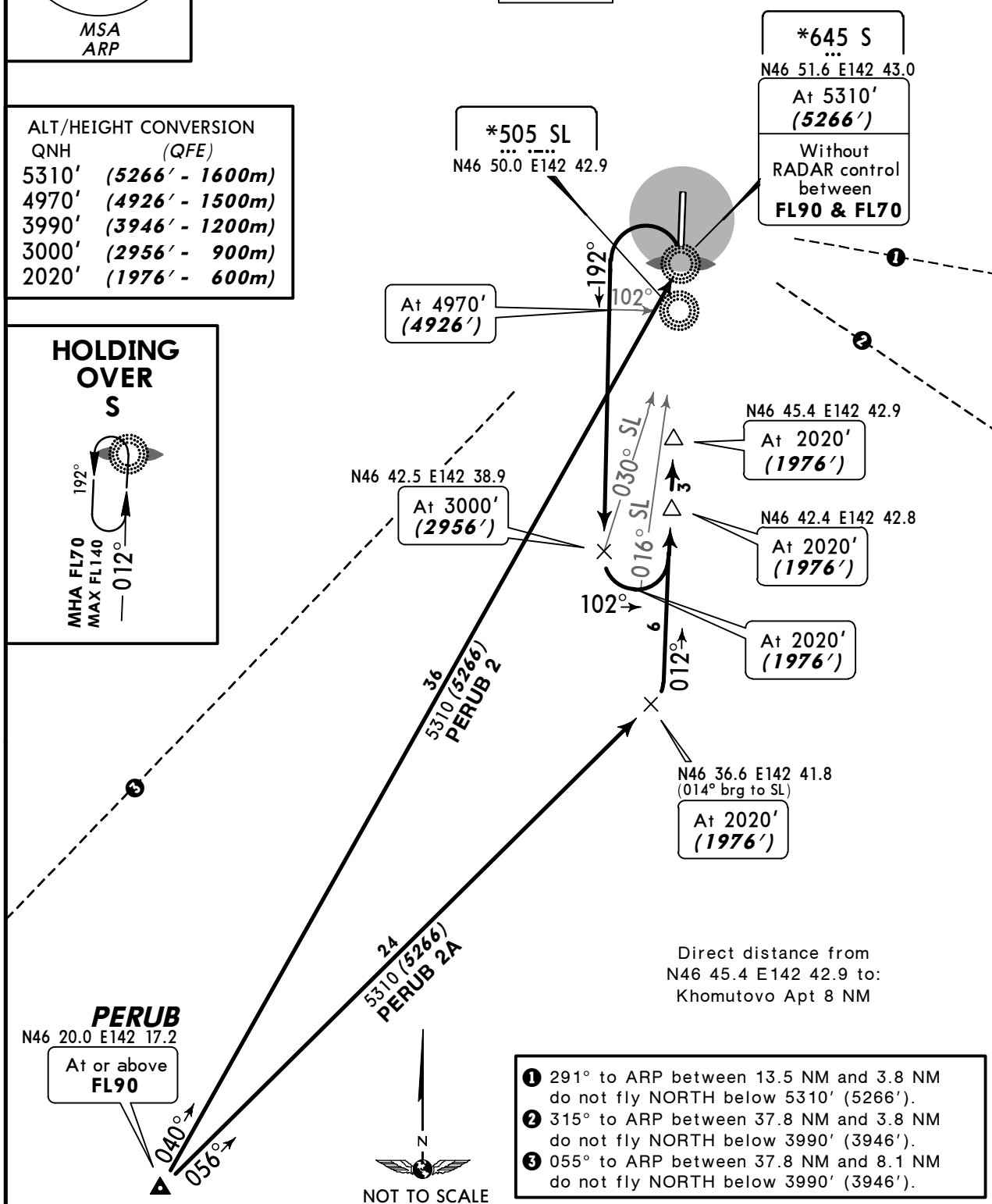
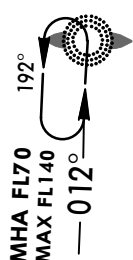
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5266')

ATIS
126.2Apt Elev
59'PERUB 2, PERUB 2A
RWY 01 ARRIVALS

BY ATC

CAT A & B

ALT/HEIGHT CONVERSION	
QNH	(QFE)
5310'	(5266' - 1600m)
4970'	(4926' - 1500m)
3990'	(3946' - 1200m)
3000'	(2956' - 900m)
2020'	(1976' - 600m)

HOLDING
OVER
S

STAR

ROUTING

PERUB 2

Intercept 040° bearing to S, turn LEFT, 192° track to N46 42.5 E142 38.9, turn LEFT, 102° track, when passing 016° bearing to SL turn on 012° track to N46 45.4 E142 42.9.

PERUB 2A

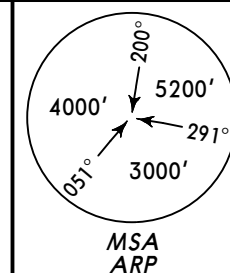
On 056° track to N46 36.6 E142 41.8 (014° bearing to SL), turn on 012° track to N46 45.4 E142 42.9.

ATIS
126.2Apt Elev
59'

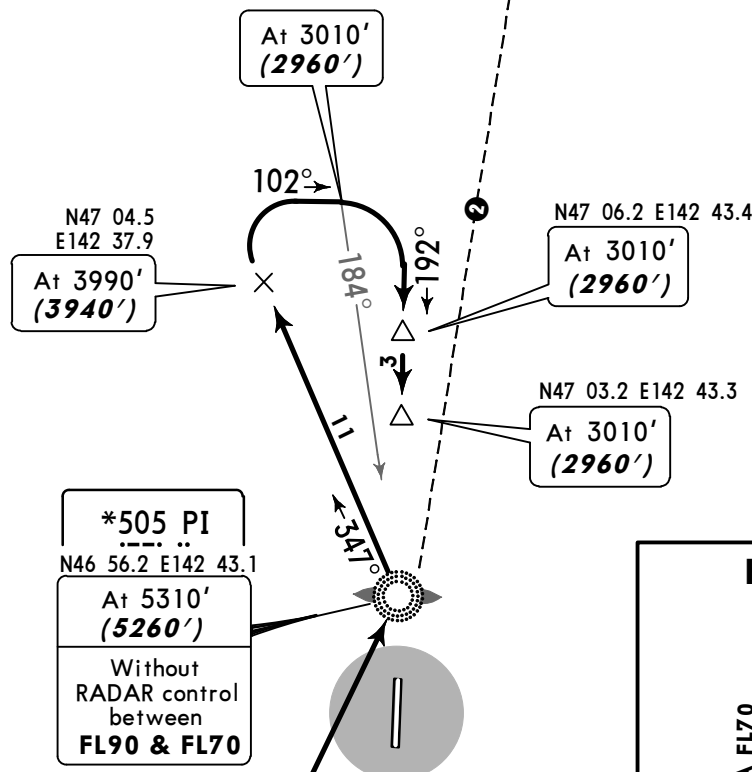
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5260')

PERUB 4
RWY 19 ARRIVAL
BY ATC

CAT C & D



Direct distance from
N47 03.2 E142 43.3 to:
Khomutovo Apt 10 NM



HOLDING
OVER
PI



- 055° to ARP between 37.8 NM and 8.1 NM do not fly NORTH below 3990' (3940').
- 200° to ARP between 22.7 NM and 3.8 NM do not fly EAST below 5310' (5260').

036°
PERUB
N46 20.0 E142 17.2
At or above
FL90



ALT/HEIGHT CONVERSION	
QNH	(QFE)
5310'	(5260' - 1600m)
3990'	(3940' - 1200m)
3010'	(2960' - 900m)

ROUTING

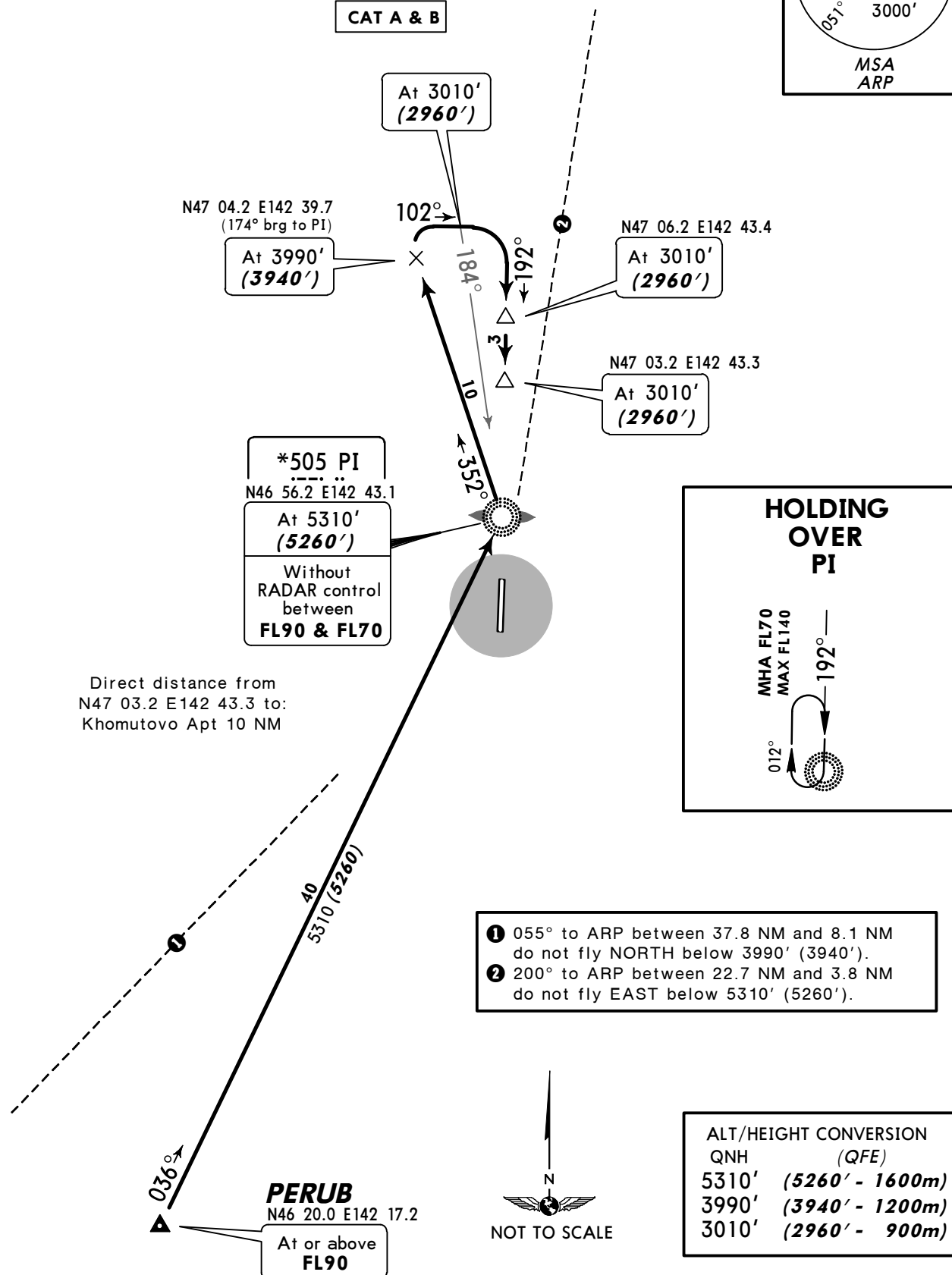
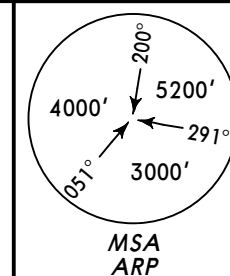
Intercept 036° bearing to PI, turn LEFT, 347° bearing to N47 04.5 E142 37.9, turn RIGHT, 102° track, when passing 184° bearing to PI turn RIGHT, 192° track to N47 03.2 E142 43.3.

ATIS
126.2Apt Elev
59'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5260')

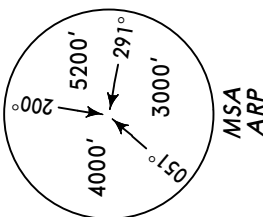
PERUB 4
RWY 19 ARRIVAL
BY ATC

CAT A & B

**ROUTING**

Intercept 036° bearing to PI, turn LEFT, 352° bearing to N47 04.2 E142 39.7, turn RIGHT, 102° track, when passing 184° bearing to PI turn RIGHT, 192° track to N47 03.2 E142 43.3.

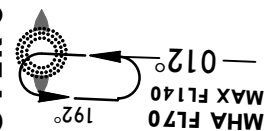
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5266')

ATIS
126.2Apt Elev
59'

KERAG 2, KERAG 8, KERAG 8A[KERA8A] ① RWY 01 ARRIVALS

BY ATC

CAT C & D

**HOLDING
OVER S**

*645 S
N46 51.6 E142 43.0
At 5310' (5266')
Without
RADAR control
between
FL90 & FL70

KERAG 8

UH(R)-1399

Direct distance from
N46 45.4 E142 42.9 to:
Khomutovo Apt 8 NM

NOT TO SCALE

KERAG

Between
FL370 & FL110
N46 48.8 E141 19.4

49
5310 (5266)
KERAG 2, 8, 8A

UTAGI
N46 43.7
E140 00.1

ALT/HEIGHT CONVERSION
QNH (QFE)
5310' (5266' - 1600m)
4970' (4926' - 1500m)
3990' (3946' - 1200m)
3000' (2956' - 900m)
2020' (1976' - 600m)

ROUTING

- KERAG 2** On 115° track to ZALIV, turn LEFT, 101° track to N46 36.6 E142 40.7, when passing 018° bearing to SL turn on 012° track to N46 45.4 E142 42.9.
- KERAG 8** On 115° track to ZALIV, turn LEFT, intercept 046° bearing to S, turn LEFT, 192° track to N46 40.1 E142 37.3, turn LEFT, 102° track, when passing 018° bearing to SL turn on 012° track to N46 45.4 E142 42.9.
- KERAG 8A ①** On 115° track to ZALIV, turn LEFT, intercept 046° bearing to S, turn RIGHT, 223° track to N46 40.1 E142 37.3, turn LEFT, 102° track, when passing 018° bearing to SL turn on 012° track to N46 45.4 E142 42.9.

① Available when UH(R)-1399 is active.

- ② 291° to ARP between 13.5 NM and 3.8 NM do not fly NORTH below 5310' (5266').
- ③ 315° to ARP between 37.8 NM and 3.8 NM do not fly NORTH below 3990' (3946').
- ④ 055° to ARP between 37.8 NM and 8.1 NM do not fly NORTH below 3990' (3946').

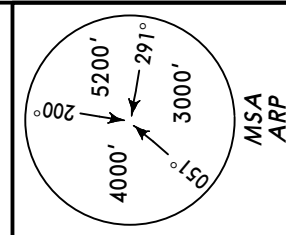
© JEPPESEN, 2013. ALL RIGHTS RESERVED.

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5260')

ATIS
126.2Apt Elev
59'KERAG 4
RWY 19 ARRIVAL

BY ATC

CAT C & D



Direct distance from
N47 03.2 E142 43.3 to:
Khomutovo Apt 10 NM

On 115° track to ZALIV, turn LEFT, intercept 039° bearing to PI, turn LEFT, 347° bearing to N47 04.5 E142 37.9, turn RIGHT, 102° track, when passing 184° bearing to PI turn RIGHT, 192° track to N47 03.2 E142 43.3.

ALT/HEIGHT CONVERSION
QNH (QFE)

5310' (5260' - 1600m)

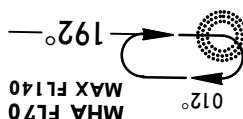
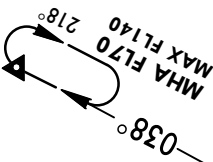
3990' (3940' - 1200m)

3010' (2960' - 900m)

- 055° to ARP between 37.8 NM and 8.1 NM
do not fly NORTH below 3990' (3940').
- 200° to ARP between 22.7 NM and 3.8 NM
do not fly EAST below 5310' (5260').

HOLDINGS OVER
ZALIV

PI



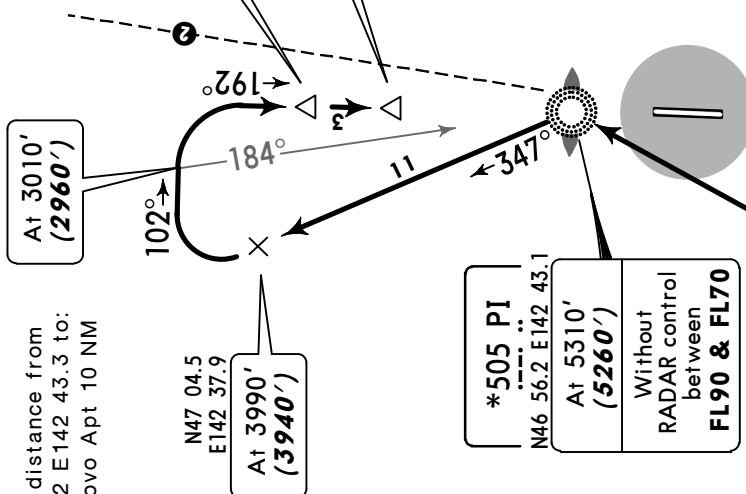
NOT TO SCALE

KERAG
N46 48.8 E141 19.4Between
FL370 & FL110UTAGI
N46 43.7
E140 00.1

55° 095°

49
5310 (5260)

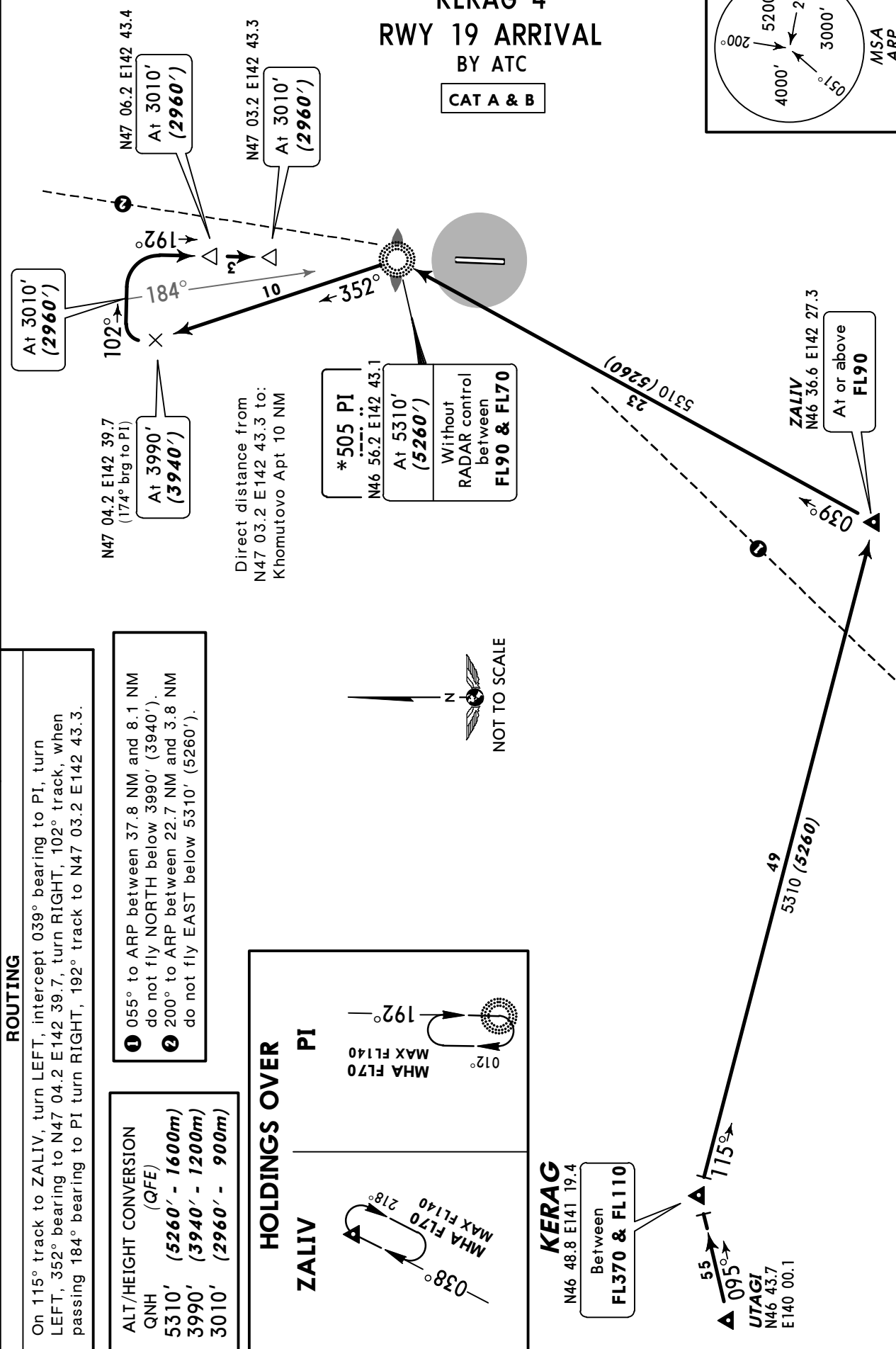
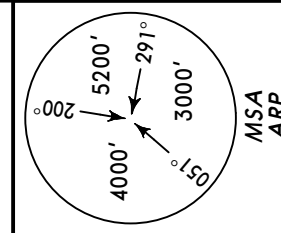
039°

ZALIV
N46 36.6 E142 27.3At or above
FL90

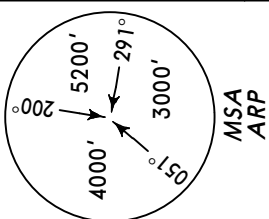
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5260')

ATIS
126.2Apt Elev
59'KERAG 4
RWY 19 ARRIVAL
BY ATC

CAT A & B



Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5266')

ATIS
126.2Apt Elev
59'KERAG 2A [KERA2A]
RWY 01 ARRIVAL

BY ATC

CAT C & D

*645 S

N46 51.6° E142 43.0

At 5310'
(5266')Without
RADAR control
between
FL90 & FL70Direct distance from
N46 45.4 E142 42.9 to:
Khomutovo Apt 8 NM*505 SL
N46 50.0 E142 42.9N46 45.4
E142 42.9At 2020'
(1976')At 2020'
(1976')N46 40.1
E142 37.4At 3000'
(2956')

ROUTING

On 095° track to KENOM, intercept 098° bearing to S, turn RIGHT, 228° track to N46 40.1 E142 37.4, turn LEFT, 102° track, when passing 018° bearing to SL turn on 012° track to N46 45.4 E142 42.9.

KENOM
N46 50.5 E141 48.2At or above
FL90KERAG
N46 48.8 E141 19.4Between
FL370 & FL110

55

095°

UTAGI

N46 43.7

E140 00.1

20

5310 (5266)

098°

38

5310 (5266)

- 1 291° to ARP between 13.5 NM and 3.8 NM do not fly NORTH below 5310' (5266').
- 2 315° to ARP between 37.8 NM and 3.8 NM do not fly NORTH below 3990' (3946').
- 3 055° to ARP between 37.8 NM and 8.1 NM do not fly NORTH below 3990' (3946').

ALT/HEIGHT CONVERSION

QNH (QFE)

5310' (5266' - 1600m)

3990' (3946' - 1200m)

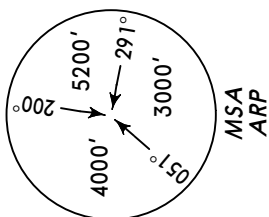
3000' (2956' - 900m)

2020' (1976' - 600m)



NOT TO SCALE

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5266')

ATIS
126.2Apt Elev
59'KERAG 2A
RWY 01 ARRIVAL

BY ATC

CAT A & B

*645 S

N46 51.6 E142 43.0

At 5310'
(5266')Without
RADAR control
between
FL90 & FL70Direct distance from
N46 45.4 E142 42.9 to:
Khomutovo Apt 8 NM38
5310 (5266)KENOM
N46 50.5 E141 48.2At or above
FL90KERAG
N46 48.8 E141 19.4Between
FL370 & FL11020
5310 (5266)

098°

55

095°

UTAGI

N46 43.7

E140 00.0

1

2

3

4

5

6

7

8

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10

11

12

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15

16

17

18

19

20

HOLDING
OVER SMHA FL70
MAX FL140

012°

192°

NOT TO SCALE

- 1 291° to ARP between 13.5 NM and 3.8 NM
do not fly NORTH below 5310' (5266').
- 2 315° to ARP between 37.8 NM and 3.8 NM
do not fly NORTH below 3990' (3946').
- 3 055° to ARP between 37.8 NM and 8.1 NM
do not fly NORTH below 3990' (3946').

ALT/HEIGHT CONVERSION
(QFE)

QNH

5310' (5266' - 1600m)

3990' (3946' - 1200m)

3000' (2956' - 900m)

2020' (1976' - 600m)

ROUTING

On 095° track to KENOM, intercept 098° bearing to S, turn RIGHT to SL,
209° track to N46 41.8 E142 39.2, turn LEFT, 102° track, when passing
016° bearing to SL turn on 012° track to N46 45.4 E142 42.9.

Alt Set: MM (hPa on request) QNH on request (QFE)

Trans level: FL70

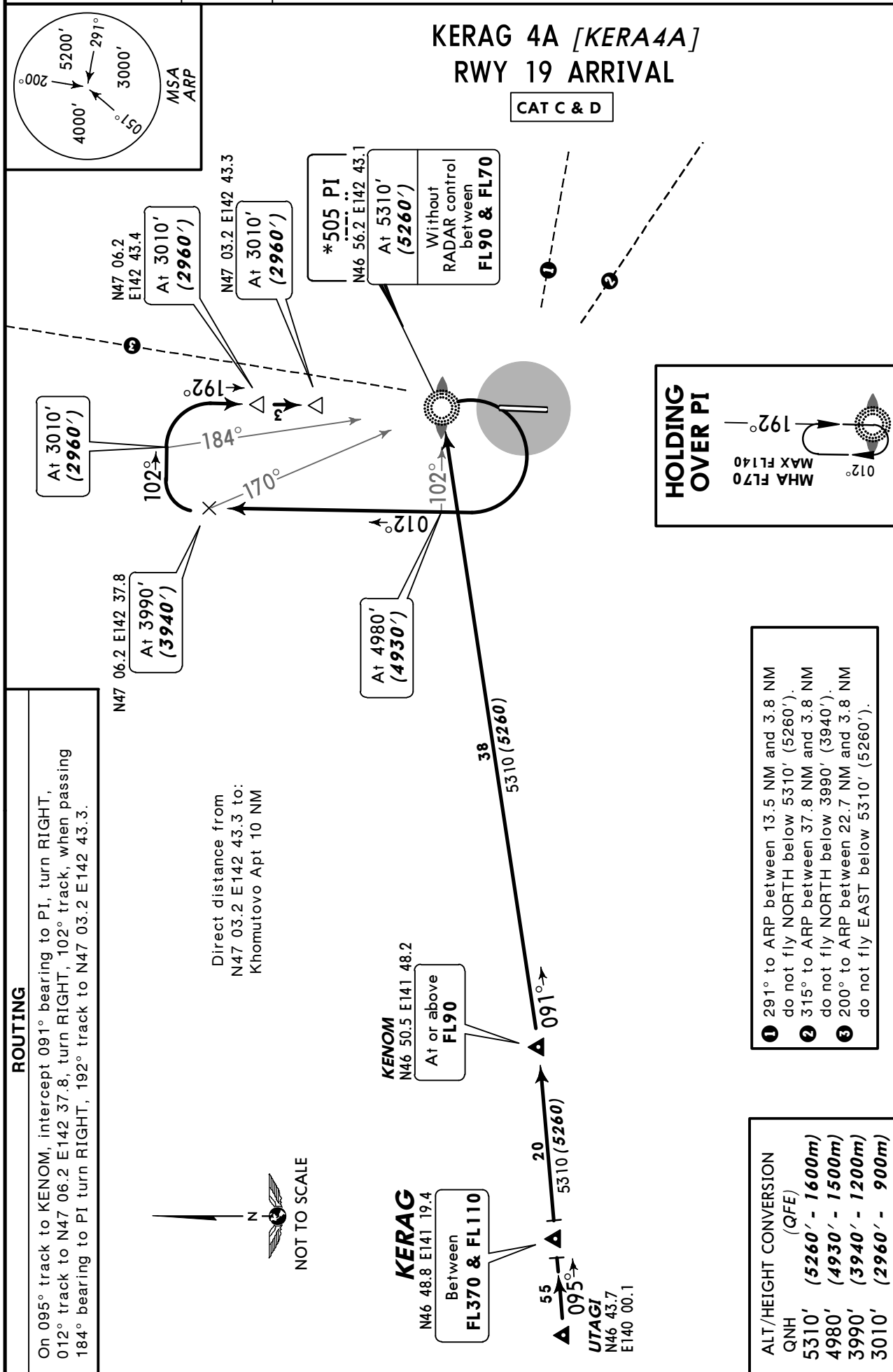
FL80 if pressure is less than 758 mm (1010.6 hPa)

FL90 if pressure is less than 731 mm (974.6 hPa).

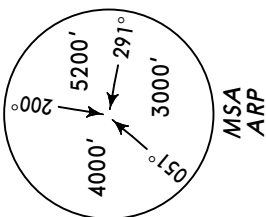
Trans alt: 5310' (5260')

ATIS
126.2Apt Elev
59'KERAG 4A [KERA4A]
RWY 19 ARRIVAL

CAT C & D



Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5260')

ATIS
126.2Apt Elev
59'KERAG 4A
RWY 19 ARRIVAL

CAT A & B

Direct distance from
N47 03.2 E142 43.3 to:
Khomutovo Apt 10 NM

ROUTING

On 095° track to KENOM, intercept 091° bearing to PI, turn RIGHT, 012° track to N47 06.2 E142 39.4, turn RIGHT, 102° track, when passing 184° bearing to PI turn RIGHT, 192° track to N47 03.2 E142 43.3.

- 1 291° to ARP between 13.5 NM and 3.8 NM do not fly NORTH below 5310' (5260').
- 2 315° to ARP between 37.8 NM and 3.8 NM do not fly NORTH below 3990' (3940').
- 3 200° to ARP between 22.7 NM and 3.8 NM do not fly EAST below 5310' (5260').

KENOM
N46 50.5 E141 48.2At or above
FL90

KERAG

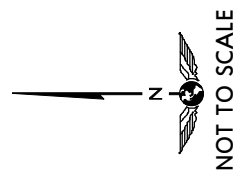
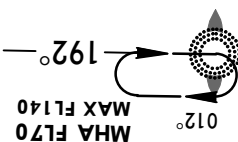
N46 48.8 E141 19.4

Between
FL370 & FL11038
5310 (5260)

091°

20
5310 (5260)

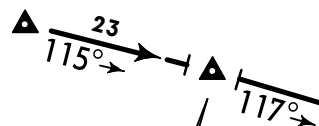
095°

UTAGI
N46 43.7
E140 00.1HOLDING
OVER PIALT/HEIGHT CONVERSION
QNH (QFE)

5310'	(5260' - 1600m)
4980'	(4930' - 1500m)
3990'	(3940' - 1200m)
3010'	(2960' - 900m)

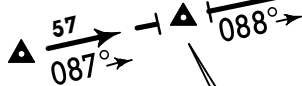
ODONA 2, PEMEN 2
RWY 01 ARRIVALS

CAT C & D

LISOL
N47 37.7
E140 53.0

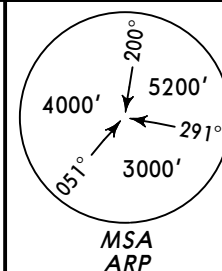
PEMEN

N47 32.0 E141 26.1

Between
FL370 & FL170BAGOM
N46 51.2
E140 00.1

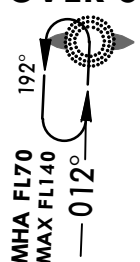
ODONA

N47 03.9 E141 21.6

Between
FL370 & FL110SORLA
N47 16.0 E142 46.1Between
FL130 &
5310' (5266')MSA
ARP5310 (5266)
PEMEN 25310 (5266)
ODONA 2

NOT TO SCALE

- 200° to ARP between 22.7 NM and 3.8 NM do not fly EAST below 5310' (5266').
- 291° to ARP between 13.5 NM and 3.8 NM do not fly NORTH below 5310' (5266').
- 315° to ARP between 37.8 NM and 3.8 NM do not fly NORTH below 3990' (3946').
- 055° to ARP between 37.8 NM and 8.1 NM do not fly NORTH below 3990' (3946').

HOLDING
OVER S

ALT/HEIGHT CONVERSION

QNH	(QFE)
5310'	(5266' - 1600m)
3990'	(3946' - 1200m)
3000'	(2956' - 900m)
2020'	(1976' - 600m)

Direct distance from
N46 45.4 E142 42.9 to:
Khomutovo Apt 8 NM

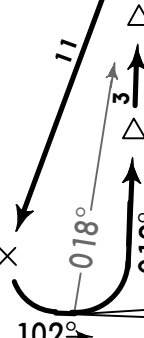
*505 SL

N46 50.0 E142 42.9

At 5310'
(5266')Without
RADAR control
between
FL90 & FL70

*645 S

N46 51.6 E142 43.0

N46 45.4
E142 42.9At 2020'
(1976')N46 42.4
E142 42.8At 2020'
(1976')At 2020'
(1976')N46 40.1
E142 37.4
(031° brg to SL)At 3000'
(2956')

STAR

ROUTING

ODONA 2

On 088° track to SORLA, turn RIGHT, intercept 195° bearing to SL, turn RIGHT, 213° track to N46 40.1 E142 37.4, turn LEFT, 102° track, when passing 018° bearing to SL turn on 012° track to N46 45.4 E142 42.9.

PEMEN 2

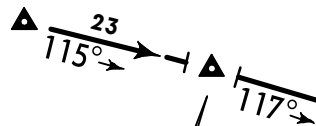
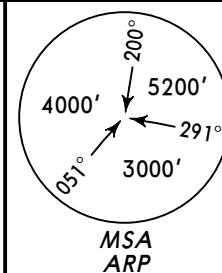
On 117° track to SORLA, turn RIGHT, intercept 195° bearing to SL, turn RIGHT, 213° track to N46 40.1 E142 37.4, turn LEFT, 102° track, when passing 018° bearing to SL turn on 012° track to N46 45.4 E142 42.9.

ATIS
126.2Apt Elev
59'

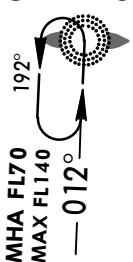
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5266')

ODONA 2, PEMEN 2
RWY 01 ARRIVALS

CAT A & B

LISOL
N47 37.7
E140 53.0PEMEN
N47 32.0 E141 26.1Between
FL370 & FL170SORLA
N47 16.0 E142 46.1
Between
FL130 &
5310' (5266')BAGOM
N46 51.2
E140 00.1ODONA
N47 03.9 E141 21.6Between
FL370 & FL110

- 200° to ARP between 22.7 NM and 3.8 NM do not fly EAST below 5310' (5266').
- 291° to ARP between 13.5 NM and 3.8 NM do not fly NORTH below 5310' (5266').
- 315° to ARP between 37.8 NM and 3.8 NM do not fly NORTH below 3990' (3946').
- 055° to ARP between 37.8 NM and 8.1 NM do not fly NORTH below 3990' (3946').

HOLDING
OVER SDirect distance from
N46 45.4 E142 42.9 to:
Khomutovo Apt 8 NM

NOT TO SCALE

*645 S
N46 51.6 E142 43.0*505 SL
N46 50.0 E142 42.9
At 5310'
(5266')
Without
RADAR control
between
FL90 & FL70N46 45.4
E142 42.9
At 2020'
(1976')N46 42.4
E142 42.8
At 2020'
(1976')N46 41.8
E142 39.2
(027° brg to SL)
At 3000'
(2956')At 2020'
(1976')

ALT/HEIGHT CONVERSION	
QNH	(QFE)
5310'	(5266' - 1600m)
3990'	(3946' - 1200m)
3000'	(2956' - 900m)
2020'	(1976' - 600m)

STAR

ROUTING

ODONA 2

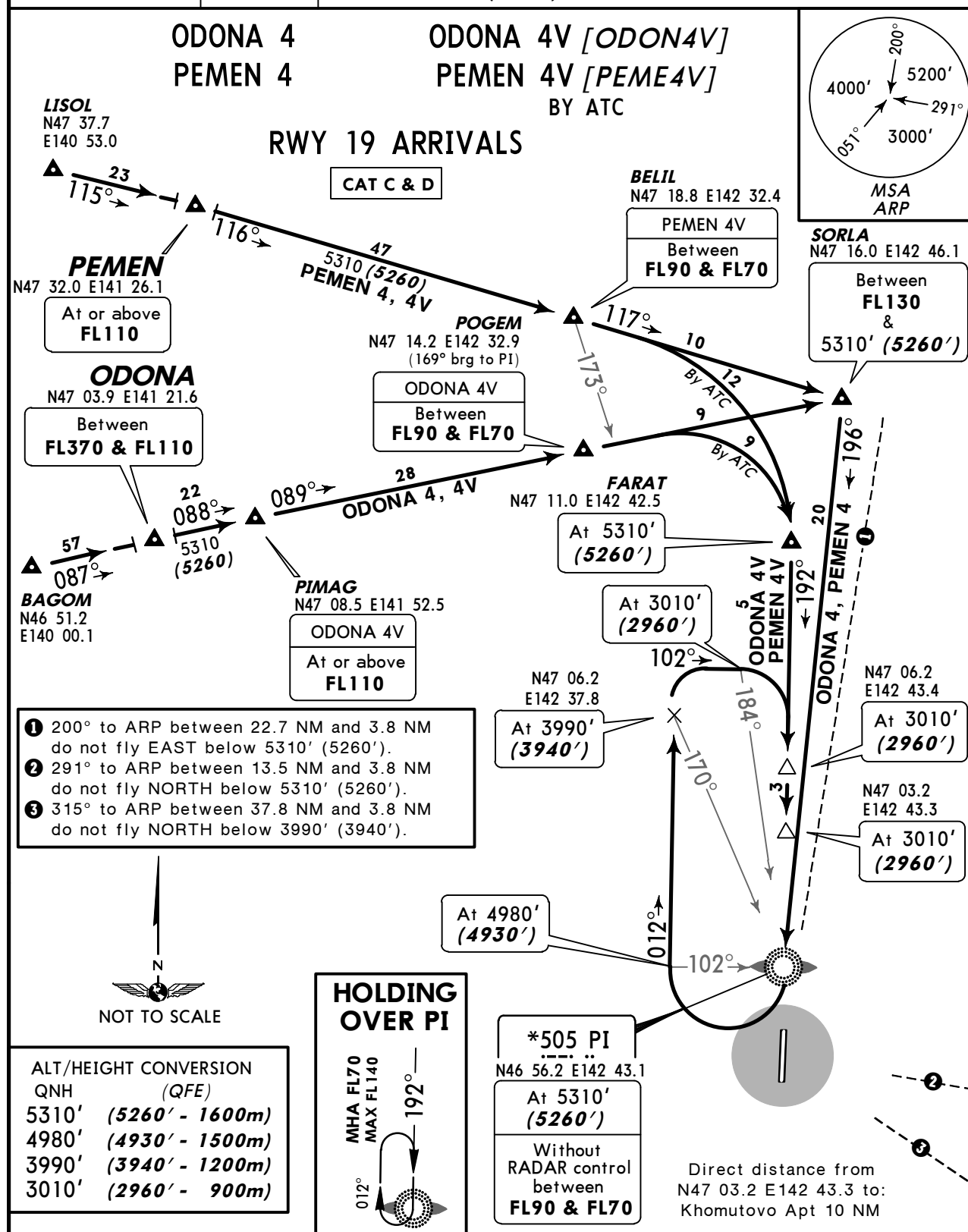
On 088° track to SORLA, turn RIGHT, intercept 195° bearing to SL, turn RIGHT, 209° track to N46 41.8 E142 39.2, turn LEFT, 102° track, when passing 016° bearing to SL turn on 012° track to N46 45.4 E142 42.9.

PEMEN 2

On 117° track to SORLA, turn RIGHT, intercept 195° bearing to SL, turn RIGHT, 209° track to N46 41.8 E142 39.2, turn LEFT, 102° track, when passing 016° bearing to SL turn on 012° track to N46 45.4 E142 42.9.

ATIS
126.2Apt Elev
59'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5260')



STAR

ROUTING

ODONA 4

On 088° track to SORLA, turn RIGHT, intercept 196° bearing to PI, turn RIGHT, 012° track to N47 06.2 E142 37.8, turn RIGHT, 102° track, when passing 184° bearing to PI turn RIGHT, 192° track to N47 03.2 E142 43.3.

ODONA 4V
By ATC

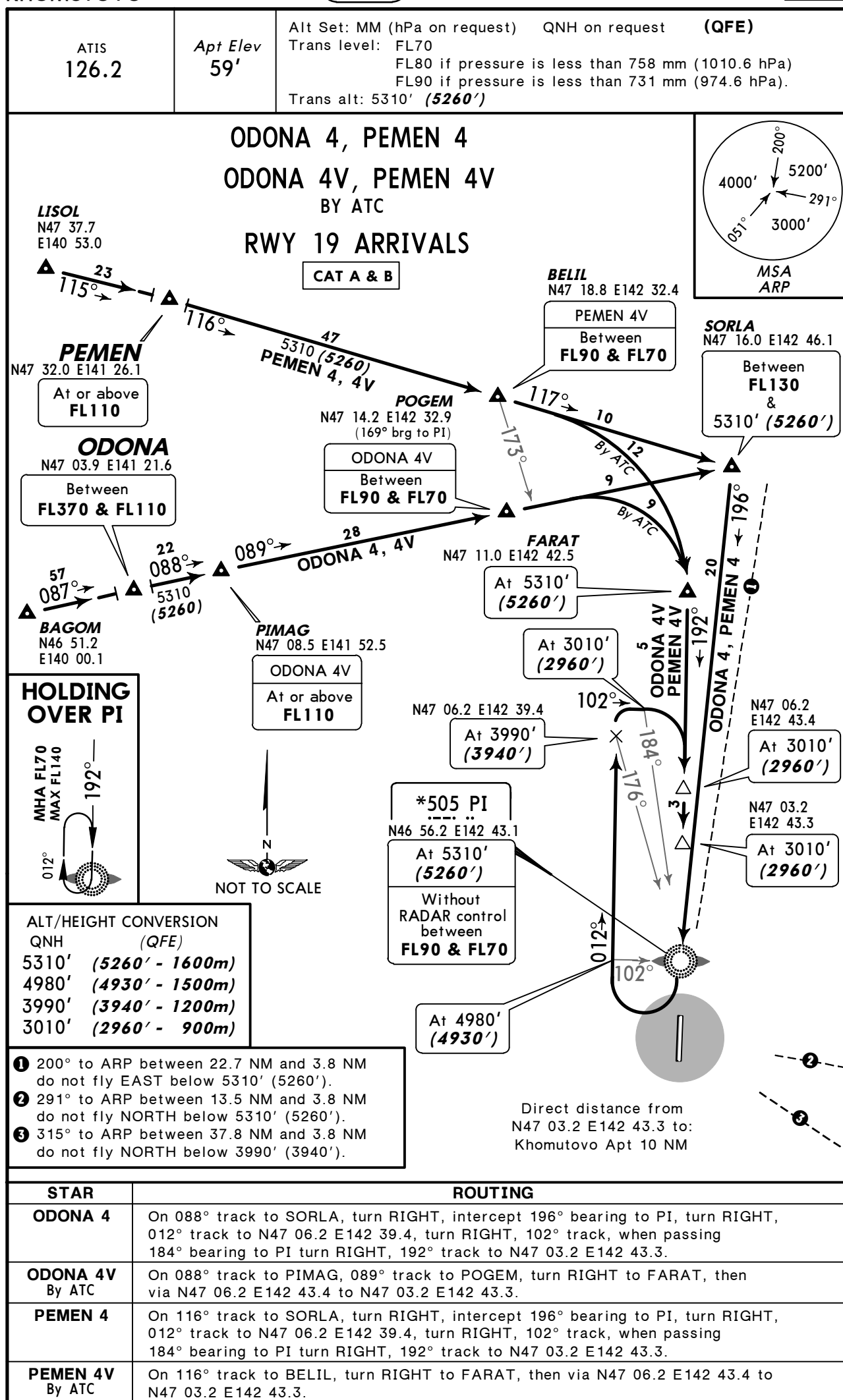
On 088° track to PIMAG, 089° track to POGEM, turn RIGHT to FARAT, then via N47 06.2 E142 43.4 to N47 03.2 E142 43.3.

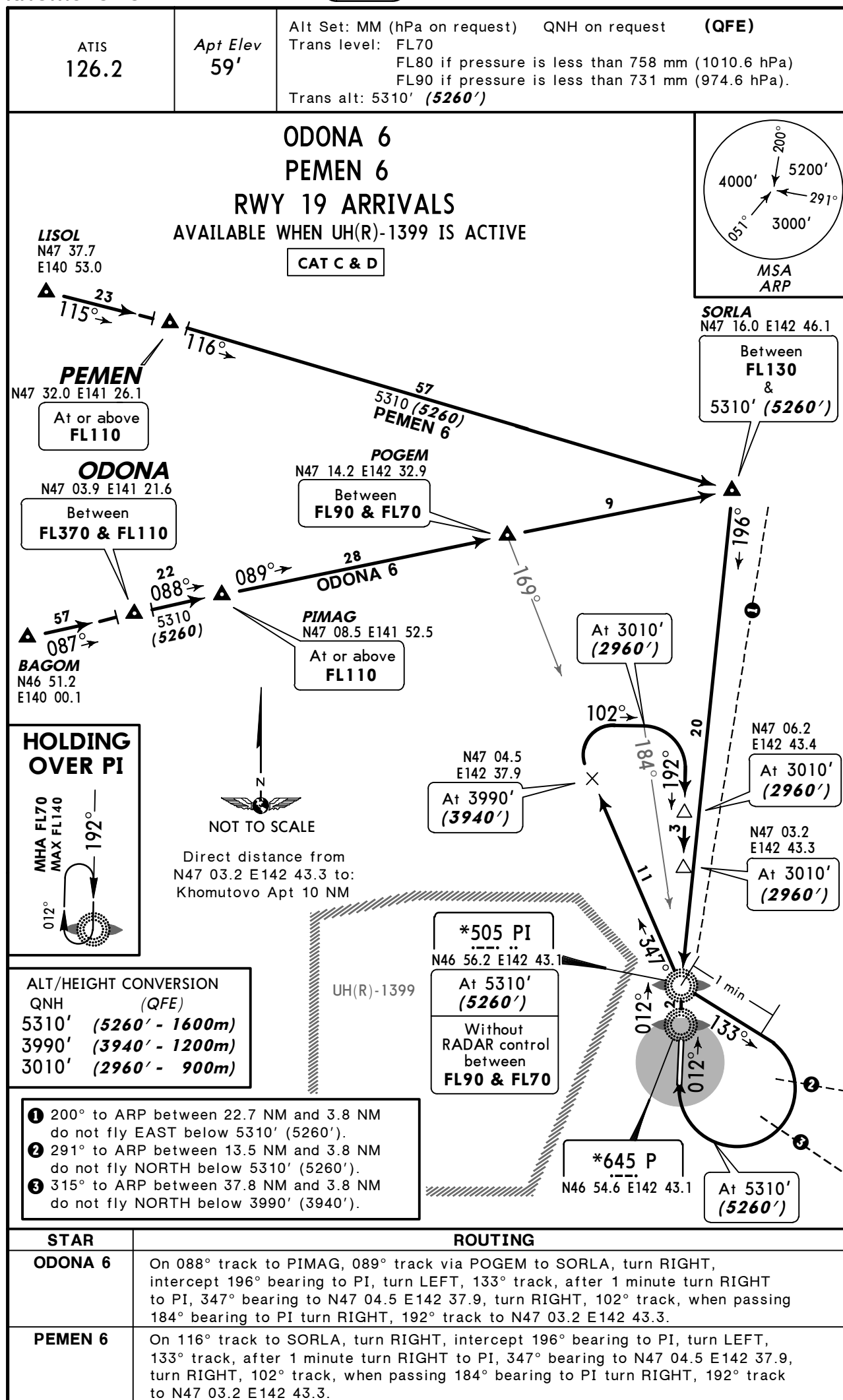
PEMEN 4

On 116° track to SORLA, turn RIGHT, intercept 196° bearing to PI, turn RIGHT, 012° track to N47 06.2 E142 37.8, turn RIGHT, 102° track, when passing 184° bearing to PI turn RIGHT, 192° track to N47 03.2 E142 43.3.

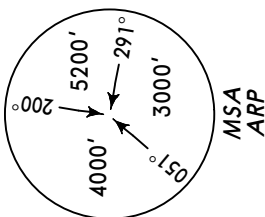
PEMEN 4V
By ATC

On 116° track to BELIL, turn RIGHT to FARAT, then via N47 06.2 E142 43.4 to N47 03.2 E142 43.3.



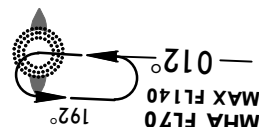


Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5266')

ATIS
126.2Apt Elev
59'ODONA 2A [ODON2A], PEMEN 2A [PEME2A]
RWY 01 ARRIVALS

BY ATC

CAT C & D

HOLDING
OVER S

STAR	ROUTING
ODONA 2A	Intercept 112° bearing to S, turn RIGHT, 228° track to N46 40.1 E142 37.4, turn LEFT, 102° track, when passing 018° bearing to SL, turn on 012° track to N46 45.4 E142 42.9.
PEMEN 2A	Intercept 138° bearing to S, turn RIGHT to SL, 213° track to N46 40.1 E142 37.4, turn LEFT, 102° track, when passing 018° bearing to SL, turn on 012° track to N46 45.4 E142 42.9.

*645 S
N46 51.6 E142 43.0
At 5310' (5266')
Without
RADAR control
between
FL90 & FL70

Direct distance from
N46 45.4 E142 42.9 to:
Khomutovo Apt 10 NM

*505 SL
N46 50.0 E142 42.9

N46 40.1
E142 37.4
(031° brg to SL)
At 3000' (2956')

At 2020' (1976')

N46 45.4
E142 42.9
At 2020' (1976')

PEMEN
N47 32.0 E141 26.1
Between
FL370 & FL170
or by ATC

LISOL Δ 23
N47 37.7
E140 53.0
115°

ODONA
N47 03.9 E141 21.6
Between
FL370 & FL110

66
5310 (5266)
PEMEN 2A

57
5310 (5266)
ODONA 2A

Δ 57
087°
BAGOM
N46 51.2 E140 00.1
112°

ALT/HEIGHT CONVERSION
QNH (QFE)
5310' (5266' - 1600m)
3990' (3946' - 1200m)
3000' (2956' - 900m)
2020' (1976' - 600m)



NOT TO SCALE

- 1 291° to ARP between 13.5 NM and 3.8 NM do not fly NORTH below 5310' (5266').
- 2 315° to ARP between 37.8 NM and 3.8 NM do not fly NORTH below 3990' (3946').
- 3 055° to ARP between 37.8 NM and 8.1 NM do not fly NORTH below 3990' (3946').

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Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5260')

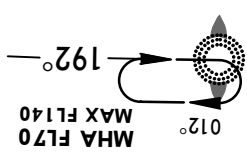
ATIS
126.2Apt Elev
59'

ODONA 4A [ODON4A], PEMEN 4A [PEME4A]

RWY 19 ARRIVALS

BY ATC

CAT C & D

HOLDING
OVER PI

- 1 291° to ARP between 13.5 NM and 3.8 NM do not fly NORTH below 5310' (5260').
- 2 315° to ARP between 37.8 NM and 3.8 NM do not fly NORTH below 3990' (3940').
- 3 200° to ARP between 22.7 NM and 3.8 NM do not fly EAST below 5310' (5260').

PEMEN

N47 32.0 E141 26.1

Between
FL370 & FL170
or by ATC

LISOL

N47 37.7
E140 53.023
175°At 3010'
(2960')At 3990'
(3940')N47 06.2
E142 43.4At 3010'
(2960')

N47 03.2 E142 43.3

At 3010'
(2960')64
5310 (5260)
PEMEN 4A

ODONA

N47 03.9 E141 21.6

Between
FL370 & FL110

BAGOM

N46 51.2
E140 00.157
087°56
5310 (5260)
ODONA 4A*505 PI
At 5310'
(5260')Without
RADAR control
between
FL90 & FL70At 4980'
(4930')Direct distance from
N47 03.2 E142 43.3 to:
Khomutovo Apt 10 NM

NOT TO SCALE

ALT/HEIGHT CONVERSION
QNH (QFE)

5310'	(5260' - 1600m)
4980'	(4930' - 1500m)
3990'	(3940' - 1200m)
3010'	(2960' - 900m)

ROUTING

STAR

ODONA 4A	Intercept 108° bearing to PI, turn RIGHT, 012° track to N47 06.2 E142 37.8, turn RIGHT, 102° track, when passing 184° bearing to PI, turn RIGHT, 192° track to N47 03.2 E142 43.3.
PEMEN 4A	Intercept 135° bearing to PI, turn RIGHT, 012° track to N47 06.2 E142 37.8, turn RIGHT, 102° track, when passing 184° bearing to PI, turn RIGHT, 192° track to N47 03.2 E142 43.3.

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5260')

ATIS
126.2

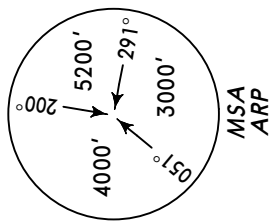
Apt Elev
59'

ODONA 4A, PEMEN 4A

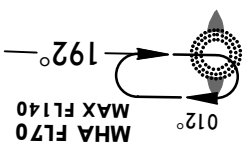
RWY 19 ARRIVALS

BY ATC

CAT A & B



HOLDING
OVER PI



- 1 291° to ARP between 13.5 NM and 3.8 NM do not fly NORTH below 5310' (5260').
- 2 315° to ARP between 37.8 NM and 3.8 NM do not fly NORTH below 3990' (3940').
- 3 200° to ARP between 22.7 NM and 3.8 NM do not fly EAST below 5310' (5260').

PEMEN

N47 32.0 E141 26.1

Between
FL370 & FL170
or by ATC

LISOL
N47 37.7
E140 53.0

ODONA

N47 03.9 E141 21.6

Between
FL370 & FL110

BAGOM
N46 51.2
E140 00.1

ALT/HEIGHT CONVERSION
QNH (QFE)

5310' (5260' - 1600m)
4980' (4930' - 1500m)
3990' (3940' - 1200m)
3010' (2960' - 900m)

Direct distance from
N47 03.2 E142 43.3 to:
Khomutovo Apt 10 NM

NOT TO SCALE

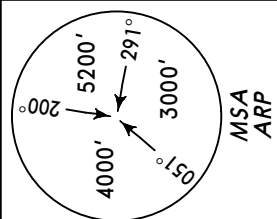
ROUTING

STAR

ODONA 4A Intercept 108° bearing to PI, turn RIGHT, 012° track to N47 06.2 E142 39.4, turn RIGHT, 102° track, when passing 184° bearing to PI, turn RIGHT, 192° track to N47 03.2 E142 43.3.

PEMEN 4A Intercept 135° bearing to PI, turn RIGHT, 012° track to N47 06.2 E142 39.4, turn RIGHT, 102° track, when passing 184° bearing to PI, turn RIGHT, 192° track to N47 03.2 E142 43.3.

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5266')

ATIS
126.2Apt Elev
59'

Direct distance from
N46 45.4 E142 42.9 to:
Khomutovo Apt 8 NM

- ① 291° to ARP between 13.5 NM and 3.8 NM
do not fly NORTH below 5310' (5266').
- ② 315° to ARP between 37.8 NM and 3.8 NM
do not fly NORTH below 3990' (3946').
- ③ 055° to ARP between 37.8 NM and 8.1 NM
do not fly NORTH below 3990' (3946').

PEMEN
N47 32.0 E141 26.1

Between
FL370 & FL170
or by ATC

ODONA
N47 03.9 E141 21.6

Between
FL370 & FL110

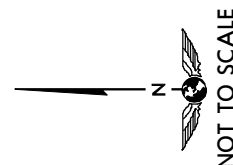
KENOM
N46 50.5 E141 48.2

At or above
FL90

ODONA 2B
N46 51.2 E140 00.1**BAGOM**
N46 51.2 E140 00.1**ODONA 2B [ODON2B]
PEMEN 2B [PEME2B]
RWY 01 ARRIVALS**

BY ATC

CAT C & D



ROUTING

STAR
ODONA 2B
On 137° track to KENOM, turn LEFT, 127° track to ZALIV, turn LEFT, 101° track to N46 36.6 E142 40.7 (018° bearing to SL), turn on 012° track to N46 45.4 E142 42.9.

PEMEN 2B
On 171° track to KENOM, turn LEFT, 127° track to ZALIV, turn LEFT, 101° track to N46 36.6 E142 40.7 (018° bearing to SL), turn on 012° track to N46 45.4 E142 42.9.

PEMEN
N47 32.0 E141 26.1

Between
FL370 & FL170
or by ATC

- ① 291° to ARP between 13.5 NM and 3.8 NM
do not fly NORTH below 5310' (5266').
- ② 315° to ARP between 37.8 NM and 3.8 NM
do not fly NORTH below 3990' (3946').
- ③ 055° to ARP between 37.8 NM and 8.1 NM
do not fly NORTH below 3990' (3946').

PEMEN
N47 32.0 E141 26.1

Between
FL370 & FL170
or by ATC

ODONA
N47 03.9 E141 21.6

Between
FL370 & FL110

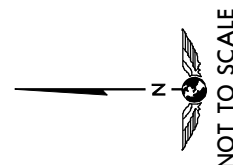
KENOM
N46 50.5 E141 48.2

At or above
FL90

ODONA 2B
N46 51.2 E140 00.1**BAGOM**
N46 51.2 E140 00.1**ODONA 2B [ODON2B]
PEMEN 2B [PEME2B]
RWY 01 ARRIVALS**

BY ATC

CAT C & D



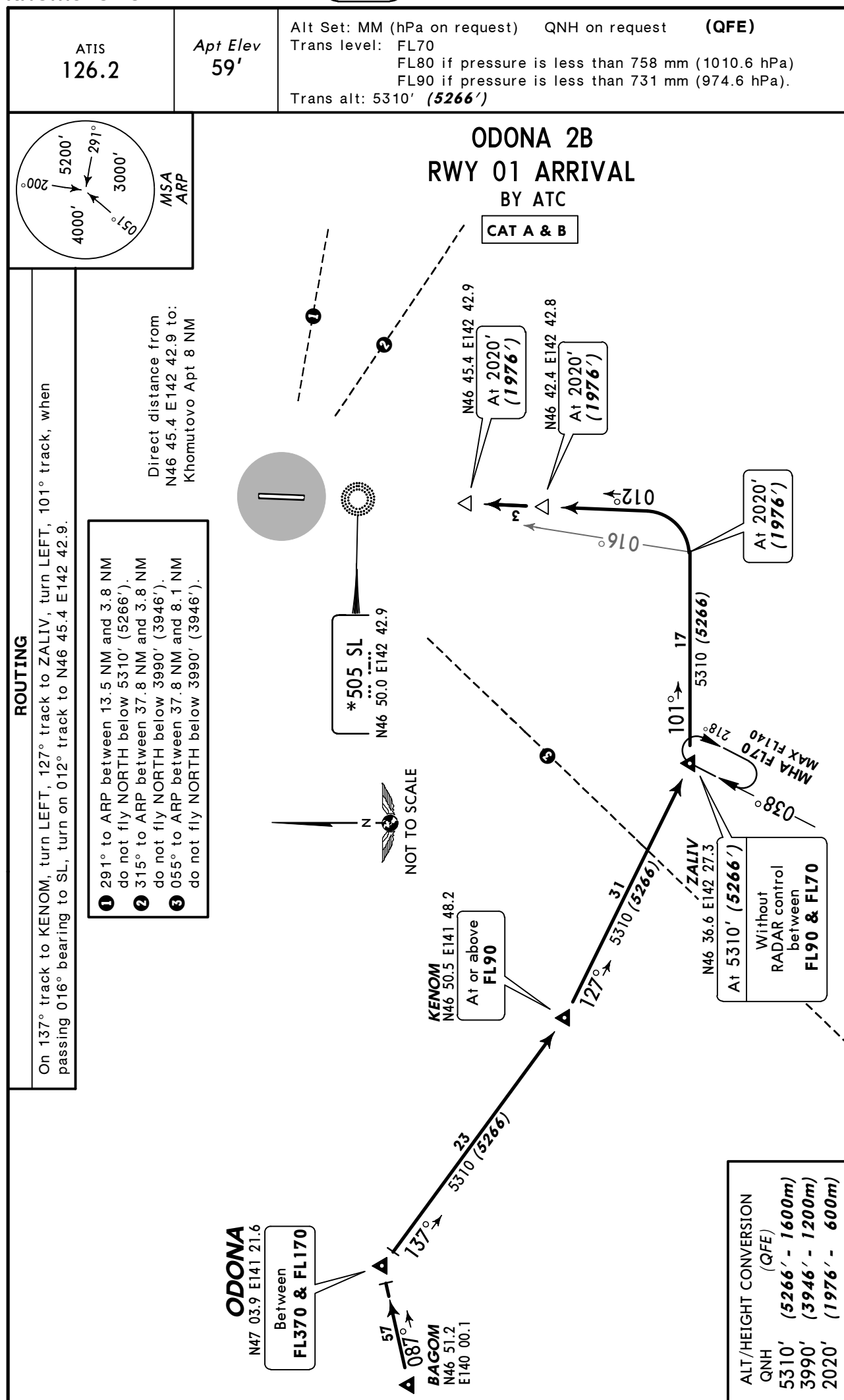
ALT/HEIGHT CONVERSION

QNH (QFE)

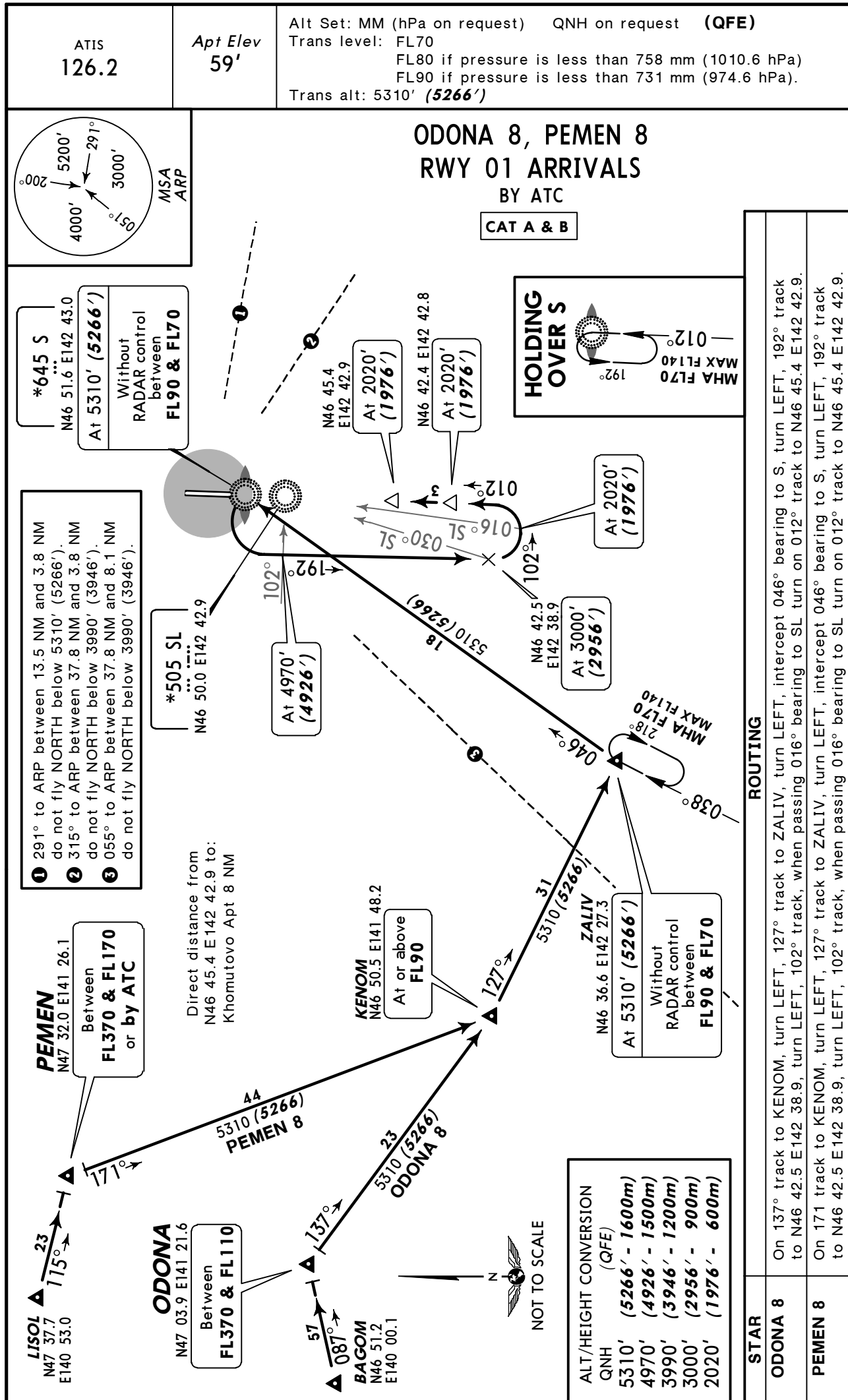
5310' (5266' - 1600m)

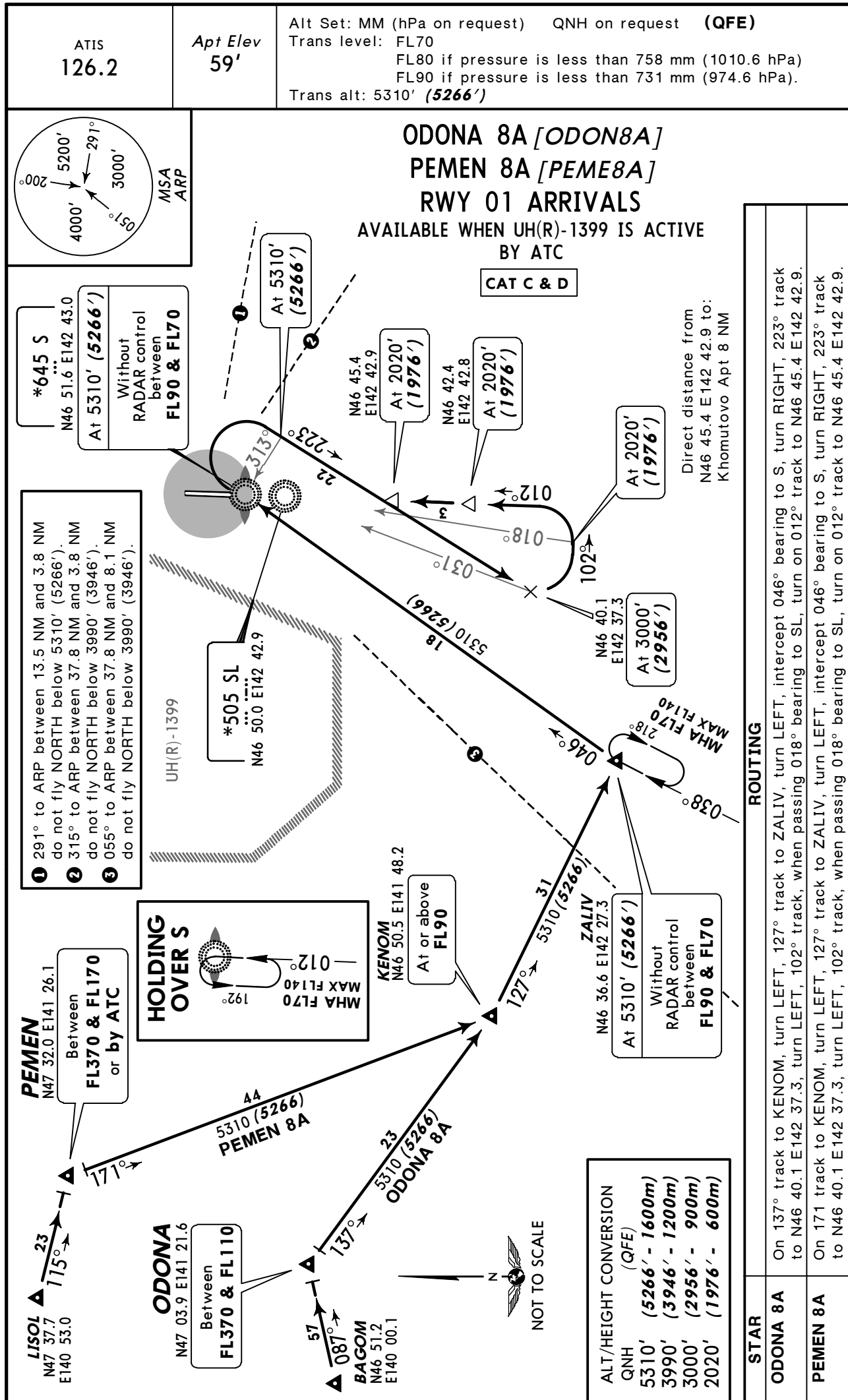
3990' (3946' - 1200m)

2020' (1976' - 600m)



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Alt Set: MM (hPa on request) QNH on request (QFE)

Trans level: FL70

FL80 if pressure is less than 758 mm (1010.6 hPa)

FL90 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 5310' (5260')

ATIS
126.2Apt Elev
59'

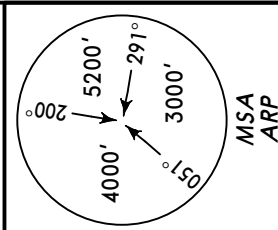
ODONA 4B [ODON4B]

PEMEN 4B [PEME4B]

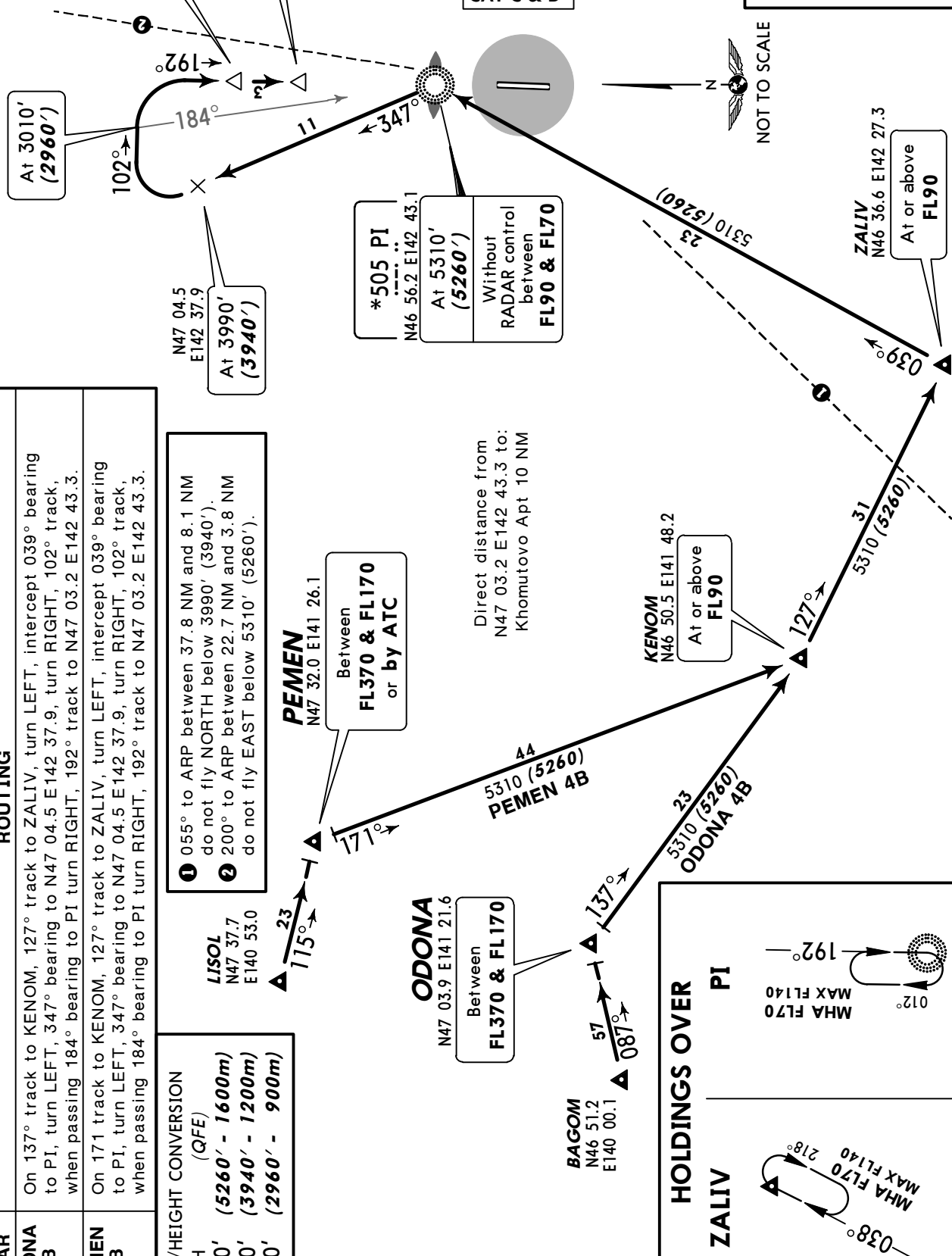
RWY 19 ARRIVALS

BY ATC

CAT C & D



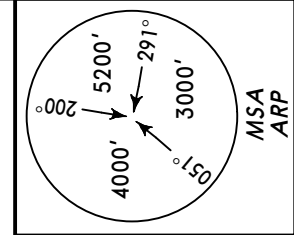
NOT TO SCALE



Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5260')

ODONA 4B
PEMEN 4B
RWY 19 ARRIVALS
BY ATC

CAT A & B



STAR	ROUTING
ODONA 4B	On 137° track to KENOM, 127° track to ZALIV, turn LEFT, intercept 039° bearing to PI, turn LEFT, 352° bearing to N47 04.2 E142 39.7, turn RIGHT, 102° track, when passing 184° bearing to PI turn RIGHT, 192° track to N47 03.2 E142 43.3.
PEMEN 4B	On 171° track to KENOM, 127° track to ZALIV, turn LEFT, intercept 039° bearing to PI, turn LEFT, 352° bearing to N47 04.2 E142 39.7, turn RIGHT, 102° track, when passing 184° bearing to PI turn RIGHT, 192° track to N47 03.2 E142 43.3.

ALT/HEIGHT CONVERSION QNH (QFE)
5310' (5260' - 1600m)
3990' (3940' - 1200m)
3010' (2960' - 900m)

PEMEN
N47 32.0 E141 26.1
Between FL370 & FL170 or by ATC

ODONA
N47 03.9 E141 21.6
Between FL370 & FL170

BAGOM
N46 51.2 E140 00.1

KENOM
N46 50.5 E141 48.2
At or above FL90

ZALIV
N46 36.6 E142 27.3
At or above FL90

HOLDINGS OVER
PI
MHA FL70 MAX FL140
038°
218°
039°
192°
012°
MHA FL70 MAX FL140

- ① 055° to ARP between 37.8 NM and 8.1 NM do not fly NORTH below 3990' (3940').
- ② 200° to ARP between 22.7 NM and 3.8 NM do not fly EAST below 5310' (5260').

LISOL
N47 37.7 E140 53.0

PEMEN
N47 32.0 E141 26.1

ODONA
N47 03.9 E141 21.6

BAGOM
N46 51.2 E140 00.1

KENOM
N46 50.5 E141 48.2

ZALIV
N46 36.6 E142 27.3

HOLDINGS OVER
PI
MHA FL70 MAX FL140
038°
218°
039°
192°
012°
MHA FL70 MAX FL140

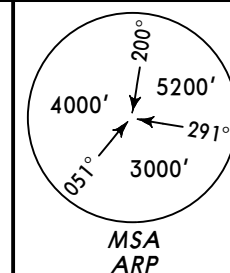
ATIS
126.2Apt Elev
59'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5266')

LIKON 2
RWY 01 ARRIVAL

CAT C & D

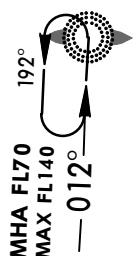
LIKON
N47 39.4 E142 02.4
At or above
FL110



SORLA
N47 16.0 E142 46.1
Between
FL130 &
5310' (5266')



- ① 200° to ARP between 22.7 NM and 3.8 NM do not fly EAST below 5310' (5266').
- ② 291° to ARP between 13.5 NM and 3.8 NM do not fly NORTH below 5310' (5266').
- ③ 315° to ARP between 37.8 NM and 3.8 NM do not fly NORTH below 3990' (3946').
- ④ 055° to ARP between 37.8 NM and 8.1 NM do not fly NORTH below 3990' (3946').

HOLDING
OVER S

Direct distance from
N46 45.4 E142 42.9 to:
Khomutovo Apt 8 NM

ALT/HEIGHT CONVERSION	QNH	(QFE)
5310'	(5266' - 1600m)	
3990'	(3946' - 1200m)	
3000'	(2956' - 900m)	
2020'	(1976' - 600m)	

***505 SL**
N46 50.0 E142 42.9
At 5310'
(5266')
Without
RADAR control
between
FL90 & FL70

***645 S**
N46 51.6 E142 43.0

N46 45.4
E142 42.9
At 2020'
(1976')

N46 42.4
E142 42.8
At 2020'
(1976')

At 2020'
(1976')

N46 40.1
E142 37.4
(031° brg to SL)
At 3000'
(2956')

ROUTING

On 139° track to SORLA, turn RIGHT, intercept 195° bearing to SL, turn RIGHT, 213° track to N46 40.1 E142 37.4, turn LEFT, 102° track, when passing 018° bearing to SL turn on 012° track to N46 45.4 E142 42.9.

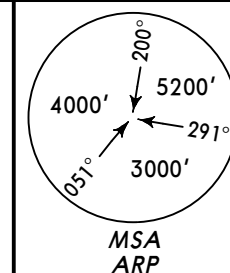
ATIS
126.2Apt Elev
59'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5266')

LIKON 2
RWY 01 ARRIVAL

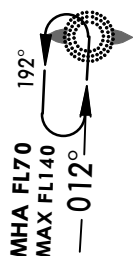
CAT A & B

LIKON
N47 39.4 E142 02.4
At or above
FL110



SORLA
N47 16.0 E142 46.1
Between
FL130 &
5310' (5266')

- ① 200° to ARP between 22.7 NM and 3.8 NM do not fly EAST below 5310' (5266').
- ② 291° to ARP between 13.5 NM and 3.8 NM do not fly NORTH below 5310' (5266').
- ③ 315° to ARP between 37.8 NM and 3.8 NM do not fly NORTH below 3990' (3946').
- ④ 055° to ARP between 37.8 NM and 8.1 NM do not fly NORTH below 3990' (3946').

HOLDING
OVER S

Direct distance from
N46 45.4 E142 42.9 to:
Khomutovo Apt 8 NM

ALT/HEIGHT	CONVERSION
QNH	(QFE)
5310'	(5266' - 1600m)
3990'	(3946' - 1200m)
3000'	(2956' - 900m)
2020'	(1976' - 600m)

***645 S**
N46 51.6 E142 43.0

***505 SL**
N46 50.0 E142 42.9
At 5310'
(5266')
Without
RADAR control
between
FL90 & FL70

N46 45.4
E142 42.9

At 2020'
(1976')

N46 42.4
E142 42.8

At 2020'
(1976')

N46 41.8
E142 39.2
(027° brg to SL)

At 3000'
(2956')

016° SL
012°
102°

At 2020'
(1976')

ROUTING

On 139° track to SORLA, turn RIGHT, intercept 195° bearing to SL, turn RIGHT, 209° track to N46 41.8 E142 39.2, turn LEFT, 102° track, when passing 016° bearing to SL turn on 012° track to N46 45.4 E142 42.9.

Alt Set: MM (hPa on request) QNH on request (QFE)

Trans level: FL70

FL80 if pressure is less than 758 mm (1010.6 hPa)

FL90 if pressure is less than 731 mm (974.6 hPa).

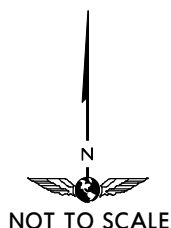
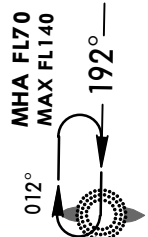
Trans alt: 5310' (5260')

ATIS
126.2Apt Elev
59'LIKON 4, LIKON 4V [LIKO4V]①, LIKON 6②
RWY 19 ARRIVALS

CAT C & D

LIKON
N47 39.4 E142 02.4
At or above
FL110**GIPUS**
N47 23.0 E142 33.0
LIKON 4V
Between
FL90 & FL70**SORLA**
N47 16.0 E142 46.1
Between
FL130
&
5310' (5260')

ALT/HEIGHT CONVERSION	QNH	(QFE)
5310'	(5260' - 1600m)	
4980'	(4930' - 1500m)	
3990'	(3940' - 1200m)	
3010'	(2960' - 900m)	

Direct distance from
N47 03.2 E142 43.3 to:
Khomutovo Apt 10 NMHOLDING
OVER PI**FARAT**
N47 11.0 E142 42.5
At 5310'
(5260')N47 06.2
E142 37.8
(170° brg to PI)
At 3990'
(3940')N47 04.5
E142 37.9
At 3990'
(3940')At 4980'
(4930')N47 06.2
E142 43.4
At 3010'
(2960')N47 03.2 E142 43.3
At 3010'
(2960')***505 PI**
N46 56.2 E142 43.1
At 5310'
(5260')
Without
RADAR control
between
FL90 & FL70At 5310'
(5260')***645 P**
N46 54.6 E142 43.1

- ③ 200° to ARP between 22.7 NM and 3.8 NM do not fly EAST below 5310' (5260').
- ④ 291° to ARP between 13.5 NM and 3.8 NM do not fly NORTH below 5310' (5260').
- ⑤ 315° to ARP between 37.8 NM and 3.8 NM do not fly NORTH below 3990' (3940').

STAR

ROUTING

LIKON 4

On 139° track to SORLA, turn RIGHT, intercept 196° bearing to PI, turn RIGHT, 012° track to N47 06.2 E142 37.8, turn RIGHT, 102° track, when passing 184° bearing to PI turn RIGHT, 192° track to N47 03.2 E142 43.3.

LIKON 4V
①

On 139° track to GIPUS, turn RIGHT to FARAT, then via N47 06.2 E142 43.4 to N47 03.2 E142 43.3.

LIKON 6
②

On 139° track to SORLA, turn RIGHT, intercept 196° bearing to PI, turn LEFT, 133° track, after 1 minute turn RIGHT to PI, 347° bearing to N47 04.5 E142 37.9, turn RIGHT, 102° track, when passing 184° bearing to PI turn RIGHT, 192° track to N47 03.2 E142 43.3.

① By ATC. ② Available when UH(R)-1399 is active.

ATIS
126.2Apt Elev
59'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5260')

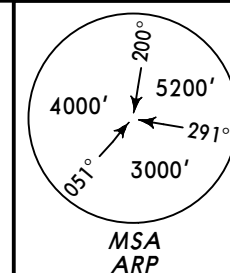
LIKON 4

LIKON 4V

BY ATC

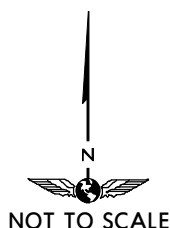
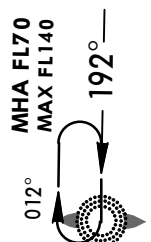
RWY 19 ARRIVALS

CAT A & B

LIKON
N47 39.4 E142 02.4At or above
FL110

ALT/HEIGHT CONVERSION	
QNH	(QFE)
5310'	(5260' - 1600m)
4980'	(4930' - 1500m)
3990'	(3940' - 1200m)
3010'	(2960' - 900m)

Direct distance from
N47 03.2 E142 43.3 to:
Khomutovo Apt 10 NM

HOLDING
OVER PI

- 200° to ARP between 22.7 NM and 3.8 NM do not fly EAST below 5310' (5260').
- 291° to ARP between 13.5 NM and 3.8 NM do not fly NORTH below 5310' (5260').
- 315° to ARP between 37.8 NM and 3.8 NM do not fly NORTH below 3990' (3940').

GIPUS
N47 23.0 E142 33.0
LIKON 4V
Between
FL90 & FL70

SORLA
N47 16.0 E142 46.1
Between
FL130
&
5310' (5260')

FARAT
N47 11.0 E142 42.5
At 5310'
(5260')

At 3010'
(2960')

N47 06.2 E142 39.4
At 3990'
(3940')

N47 06.2
E142 43.4
At 3010'
(2960')

N47 03.2 E142 43.3
At 3010'
(2960')

*505 PI
N46 56.2 E142 43.1
At 5310'
(5260')
Without
RADAR control
between
FL90 & FL70

At 4980'
(4930')

STAR

ROUTING

LIKON 4

On 139° track to SORLA, turn RIGHT, intercept 196° bearing to PI, turn RIGHT, 012° track to N47 06.2 E142 39.4, turn RIGHT, 102° track, when passing 184° bearing to PI turn RIGHT, 192° track to N47 03.2 E142 43.3.

LIKON 4V
By ATC

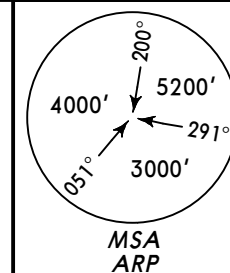
On 139° track to GIPUS, turn RIGHT to FARAT, then via N47 06.2 E142 43.4 to N47 03.2 E142 43.3.

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5266')

ATIS
126.2Apt Elev
59'BIKUR 2A [BIKU2A]
LIKON 2A [LIKO2A]
RWY 01 ARRIVALS

BY ATC

CAT C & D

**BIKUR**

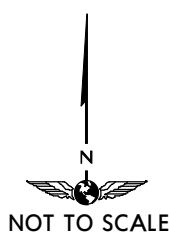
N47 57.0 E141 28.1

Between
FL370 & FL170**LIKON**

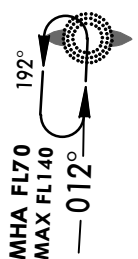
N47 39.4 E142 02.4

At or above
FL110

- 1 200° to ARP between 22.7 NM and 3.8 NM do not fly EAST below 5310' (5266').
- 2 291° to ARP between 13.5 NM and 3.8 NM do not fly NORTH below 5310' (5266').
- 3 315° to ARP between 37.8 NM and 3.8 NM do not fly NORTH below 3990' (3946').
- 4 055° to ARP between 37.8 NM and 8.1 NM do not fly NORTH below 3990' (3946').

Direct distance from
N46 45.4 E142 42.9 to:
Khomutovo Apt 8 NM

ALT/HEIGHT CONVERSION	
QNH	(QFE)
5310'	(5266' - 1600m)
3990'	(3946' - 1200m)
3000'	(2956' - 900m)
2020'	(1976' - 600m)

**HOLDING
OVER S*****505 SL**

N46 50.0 E142 42.9

***645 S**

N46 51.6 E142 43.0

At 5310'
(5266')Without
RADAR control
between
FL90 & FL70N46 45.4
E142 42.9At 2020'
(1976')N46 40.1
E142 37.4
(031° brg to SL)At 3000'
(2956')At 2020'
(1976')**STAR****ROUTING****BIKUR 2A**

Intercept 153° bearing to S, turn RIGHT to SL, 213° track to N46 40.1 E142 37.4, turn LEFT, 102° track, when passing 018° bearing to SL turn on 012° track to N46 45.4 E142 42.9.

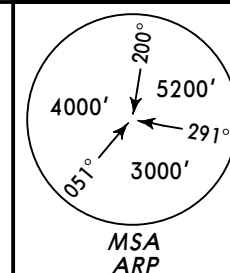
LIKON 2A

Intercept 161° bearing to S, turn RIGHT to SL, 213° track to N46 40.1 E142 37.4, turn LEFT, 102° track, when passing 018° bearing to SL turn on 012° track to N46 45.4 E142 42.9.

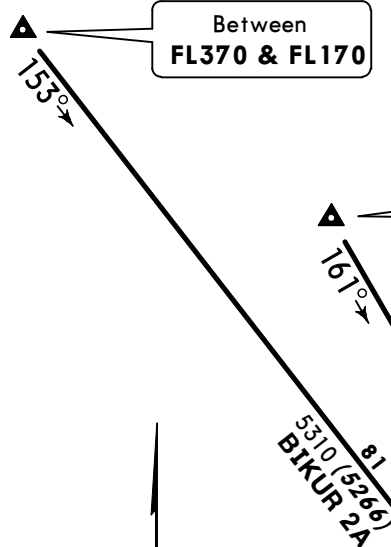
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5266')

BIKUR 2A
LIKON 2A
RWY 01 ARRIVALS
BY ATC

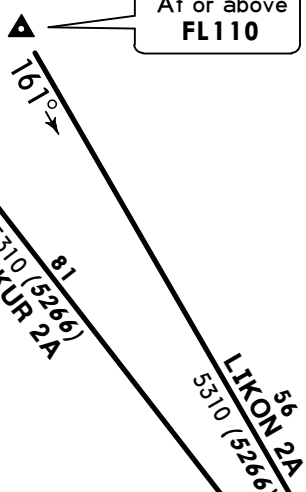
CAT A & B

**BIKUR**

N47 57.0 E141 28.1

Between
FL370 & FL170**LIKON**

N47 39.4 E142 02.4

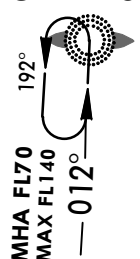
At or above
FL110

- 1 200° to ARP between 22.7 NM and 3.8 NM do not fly EAST below 5310' (5266').
- 2 291° to ARP between 13.5 NM and 3.8 NM do not fly NORTH below 5310' (5266').
- 3 315° to ARP between 37.8 NM and 3.8 NM do not fly NORTH below 3990' (3946').
- 4 055° to ARP between 37.8 NM and 8.1 NM do not fly NORTH below 3990' (3946').

NOT TO SCALE

Direct distance from
N46 45.4 E142 42.9 to:
Khomutovo Apt 8 NM

ALT/HEIGHT CONVERSION	
QNH	(QFE)
5310'	(5266' - 1600m)
3990'	(3946' - 1200m)
3000'	(2956' - 900m)
2020'	(1976' - 600m)

**HOLDING
OVER S**

*505 SL
N46 50.0 E142 42.9

***645 S**

N46 51.6 E142 43.0

At 5310'
(5266')Without
RADAR control
between
FL90 & FL70N46 45.4
E142 42.9At 2020'
(1976')

N46 41.8
E142 39.2
(027° brg to SL)

At 3000'
(2956')At 2020'
(1976')**STAR****ROUTING****BIKUR 2A**

Intercept 153° bearing to S, turn RIGHT to SL, 209° track to N46 41.8 E142 39.2, turn LEFT, 102° track, when passing 016° bearing to SL turn on 012° track to N46 45.4 E142 42.9.

LIKON 2A

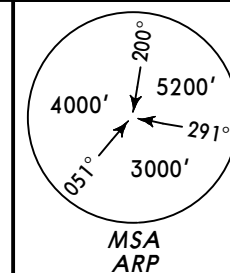
Intercept 161° bearing to S, turn RIGHT to SL, 209° track to N46 41.8 E142 39.2, turn LEFT, 102° track, when passing 016° bearing to SL turn on 012° track to N46 45.4 E142 42.9.

ATIS
126.2Apt Elev
59'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5260')

BIKUR 4A [BIKU4A]
LIKON 4A [LIKO4A]
RWY 19 ARRIVALS
BY ATC

CAT C & D

**BIKUR**

N47 57.0 E141 28.1

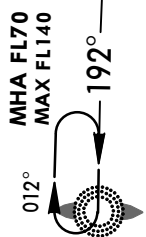
Between
FL370 & FL170**LIKON**

N47 39.4 E142 02.4

At or above
FL110

ALT/HEIGHT CONVERSION

QNH	(QFE)
5310'	(5260' - 1600m)
4980'	(4930' - 1500m)
3990'	(3940' - 1200m)
3010'	(2960' - 900m)

**HOLDING
OVER PI**

Direct distance from
N47 03.2 E142 43.3 to:
Khomutovo Apt 10 NM

At 4980'
(4930')N47 06.2
E142 37.8
At 3990'
(3940')At 3010'
(2960')N47 06.2
E142 43.4At 3010'
(2960')

N47 03.2 E142 43.3

At 3010'
(2960')***505 PI**

N46 56.2 E142 43.1

At 5310'
(5260')Without
RADAR control
between
FL90 & FL70

- 291° to ARP between 13.5 NM and 3.8 NM
do not fly NORTH below 5310' (5260').
- 315° to ARP between 37.8 NM and 3.8 NM
do not fly NORTH below 3990' (3940').
- 200° to ARP between 22.7 NM and 3.8 NM
do not fly EAST below 5310' (5260').

STAR**ROUTING****BIKUR 4A**

Intercept 150° bearing to PI, turn RIGHT, 012° track to N47 06.2 E142 37.8, turn RIGHT, 102° track, when passing 184° bearing to PI turn RIGHT, 192° track to N47 03.2 E142 43.3.

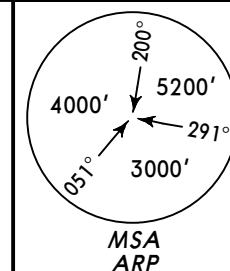
LIKON 4A

Intercept 158° bearing to PI, turn RIGHT, 012° track to N47 06.2 E142 37.8, turn RIGHT, 102° track, when passing 184° bearing to PI turn RIGHT, 192° track to N47 03.2 E142 43.3.

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5260')

BIKUR 4A
LIKON 4A
RWY 19 ARRIVALS
BY ATC

CAT A & B

**BIKUR**

N47 57.0 E141 28.1

Between
FL370 & FL170**LIKON**

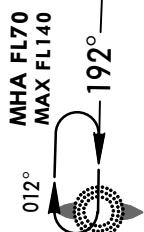
N47 39.4 E142 02.4

At or above
FL110N47 06.2
E142 39.4At 3990'
(3940')At 3010'
(2960')N47 06.2
E142 43.4At 3010'
(2960')

N47 03.2 E142 43.3

At 3010'
(2960')***505 PI**

N46 56.2 E142 43.1

At 5310'
(5260')Without
RADAR control
between
FL90 & FL70At 4980'
(4930')**HOLDING
OVER PI**Direct distance from
N47 03.2 E142 43.3 to:
Khomutovo Apt 10 NM

- 1 291° to ARP between 13.5 NM and 3.8 NM
do not fly NORTH below 5310' (5260').
- 2 315° to ARP between 37.8 NM and 3.8 NM
do not fly NORTH below 3990' (3940').
- 3 200° to ARP between 22.7 NM and 3.8 NM
do not fly EAST below 5310' (5260').

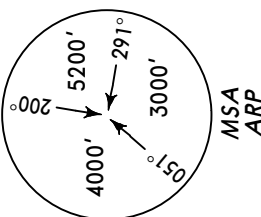
STAR**ROUTING****BIKUR 4A**

Intercept 150° bearing to PI, turn RIGHT, 012° track to N47 06.2 E142 39.4, turn RIGHT, 102° track, when passing 184° bearing to PI turn RIGHT, 192° track to N47 03.2 E142 43.3.

LIKON 4A

Intercept 158° bearing to PI, turn RIGHT, 012° track to N47 06.2 E142 39.4, turn RIGHT, 102° track, when passing 184° bearing to PI turn RIGHT, 192° track to N47 03.2 E142 43.3.

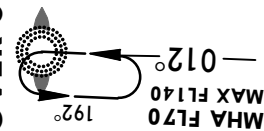
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5266')

ATIS
126.2Apt Elev
59'

BIKUR 2B [BIKU2B], BIKUR 8 BIKUR 8A [BIKU8A] ① RWY 01 ARRIVALS

BY ATC

CAT C & D

HOLDING
OVER S

NOT TO SCALE

ROUTING

- BIKUR 2B** On 179° track to KENOM, turn LEFT, 127° track to ZALIV, turn LEFT, 101° track to N46 36.6 E142 40.7 (018° bearing to SL), turn on 012° track to N46 45.4 E142 42.9.
- BIKUR 8** On 179° track to KENOM, turn LEFT, 127° track to ZALIV, intercept 046° bearing to S, turn LEFT, 192° track to N46 40.1 E142 37.3, turn LEFT, 102° track, when passing 018° bearing to SL turn on 012° track to N46 45.4 E142 42.9.
- BIKUR 8A ①** On 179° track to KENOM, turn LEFT, 127° track to ZALIV, intercept 046° bearing to S, turn RIGHT, 223° track to N46 40.1 E142 37.3, turn LEFT, 102° track, when passing 018° bearing to SL turn on 012° track to N46 45.4 E142 42.9.

① Available when UH(R)-1399 is active.

BIKUR

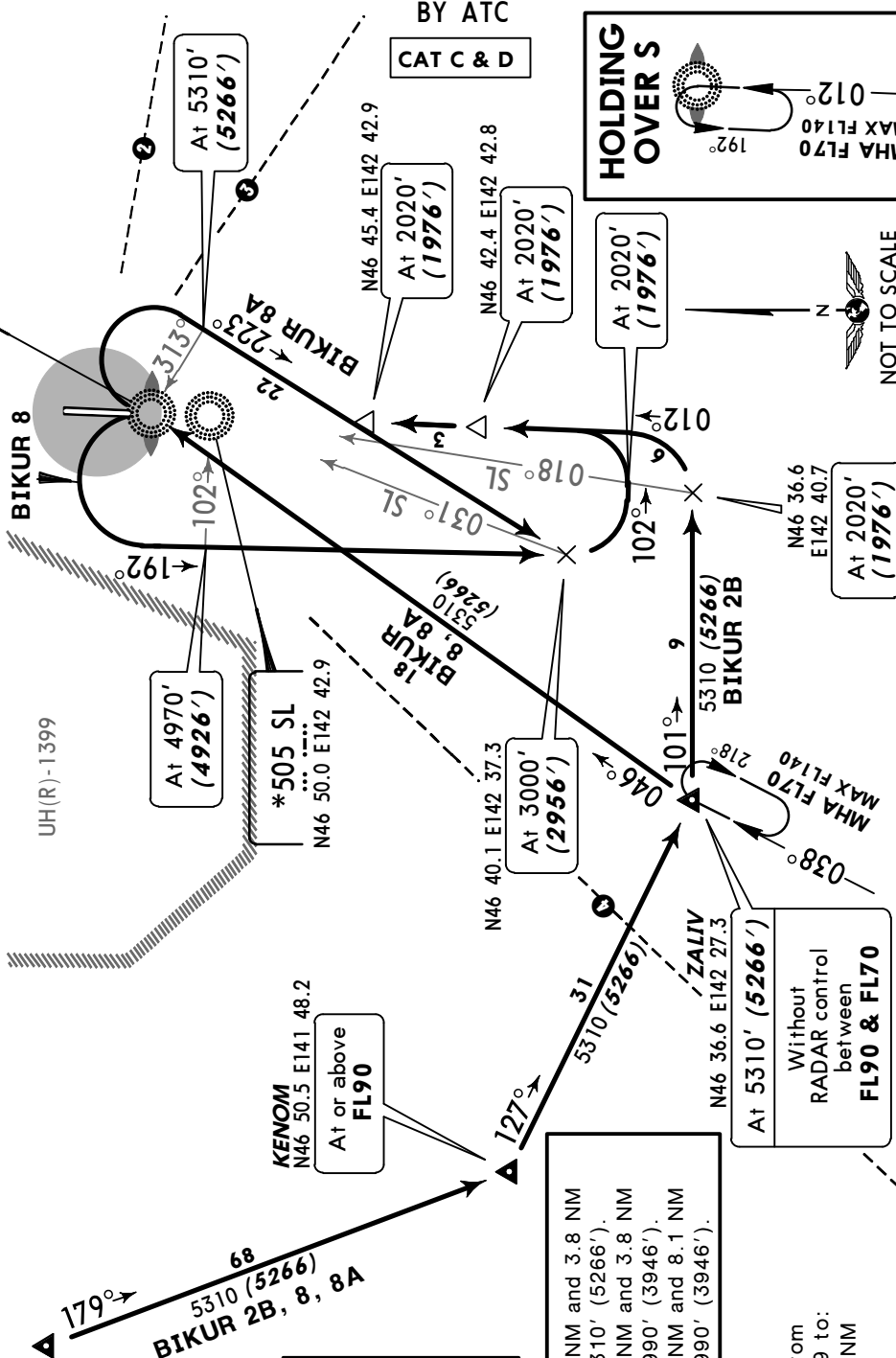
N47 57.0 E141 28.1
Between
FL370 & FL170

ALT/HEIGHT CONVERSION

QNH (QFE)

5310' (5266' - 1600m)
4970' (4926' - 1500m)
3990' (3946' - 1200m)
3000' (2956' - 900m)
2020' (1976' - 600m)

- ② 291° to ARP between 13.5 NM and 3.8 NM do not fly NORTH below 5310' (5266').
- ③ 315° to ARP between 37.8 NM and 3.8 NM do not fly NORTH below 3990' (3946').
- ④ 055° to ARP between 37.8 NM and 8.1 NM do not fly NORTH below 3990' (3946').

Direct distance from
N46 45.4 E142 42.9 to:
Khomutovo Apt 8 NM

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Alt Set: MM (hPa on request) QNH on request (QFE)

Trans level: FL70

FL80 if pressure is less than 758 mm (1010.6 hPa)

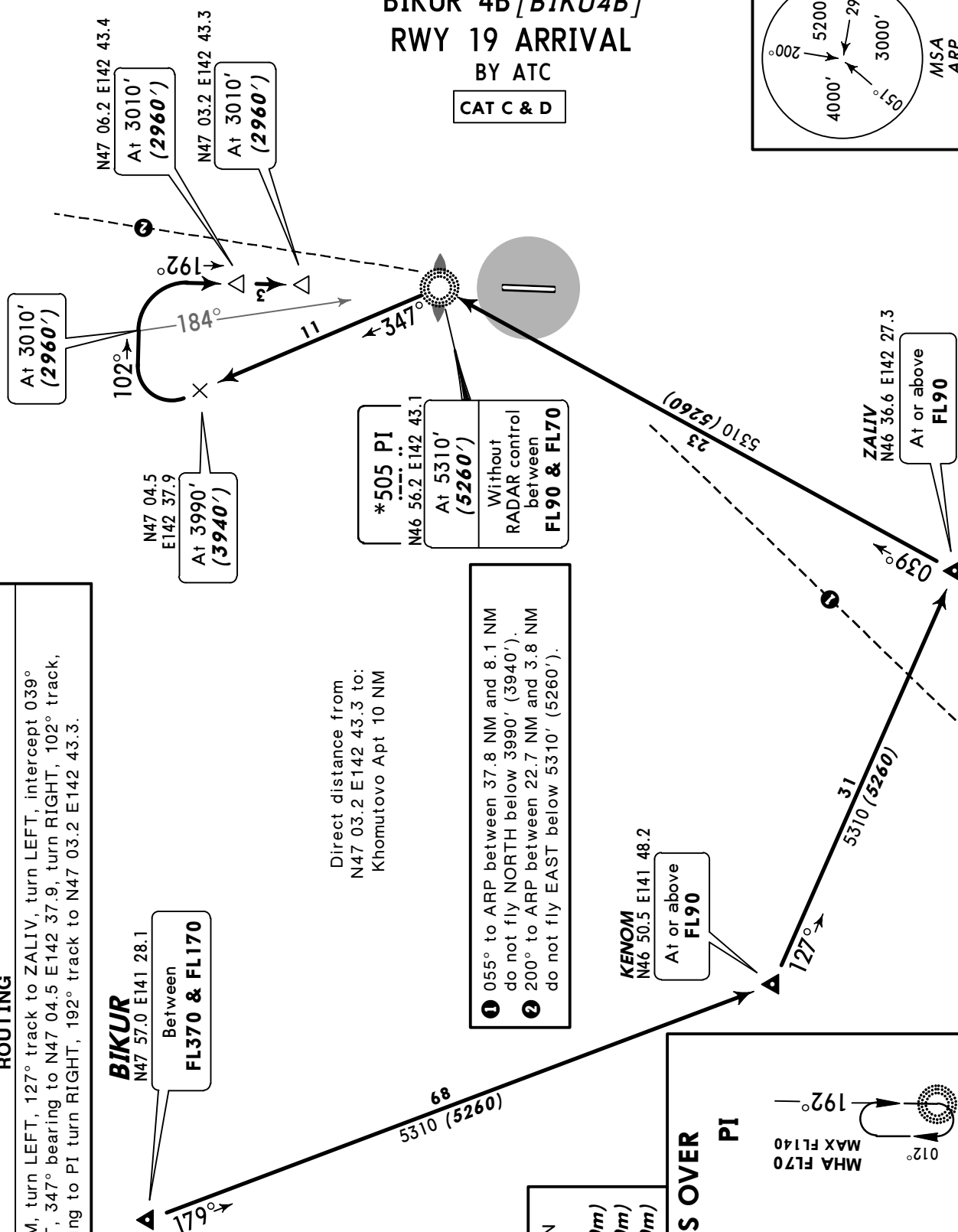
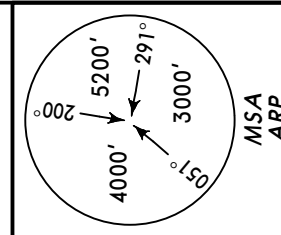
FL90 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 5310' (5260')

ATIS
126.2Apt Elev
59'BIKUR 4B [BIKU4B]
RWY 19 ARRIVAL

BY ATC

CAT C & D



ROUTING

On 179° track to KENOM, turn LEFT, 127° to ZALIV, turn LEFT, intercept 039° bearing to PI, turn LEFT, 347° bearing to N47 04.5 E142 37.9, turn RIGHT, 102° track, when passing 184° bearing to PI turn RIGHT, 192° track to N47 03.2 E142 43.3.

BIKUR

N47 57.0 E141 28.1

Between

FL370 & FL170

Direct distance from
N47 03.2 E142 43.3 to:
Khomutovo Apt 10 NM

68
5310 (5260)

NOT TO SCALE

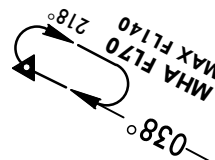
- 055° to ARP between 37.8 NM and 8.1 NM do not fly NORTH below 3990' (3940').
- 200° to ARP between 22.7 NM and 3.8 NM do not fly EAST below 5310' (5260').

ALT/HEIGHT CONVERSION
QNH (QFE)

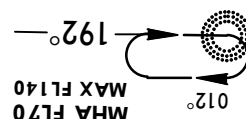
5310' (5260' - 1600m)
3990' (3940' - 1200m)
3010' (2960' - 900m)

HOLDINGS OVER

ZALIV



PI

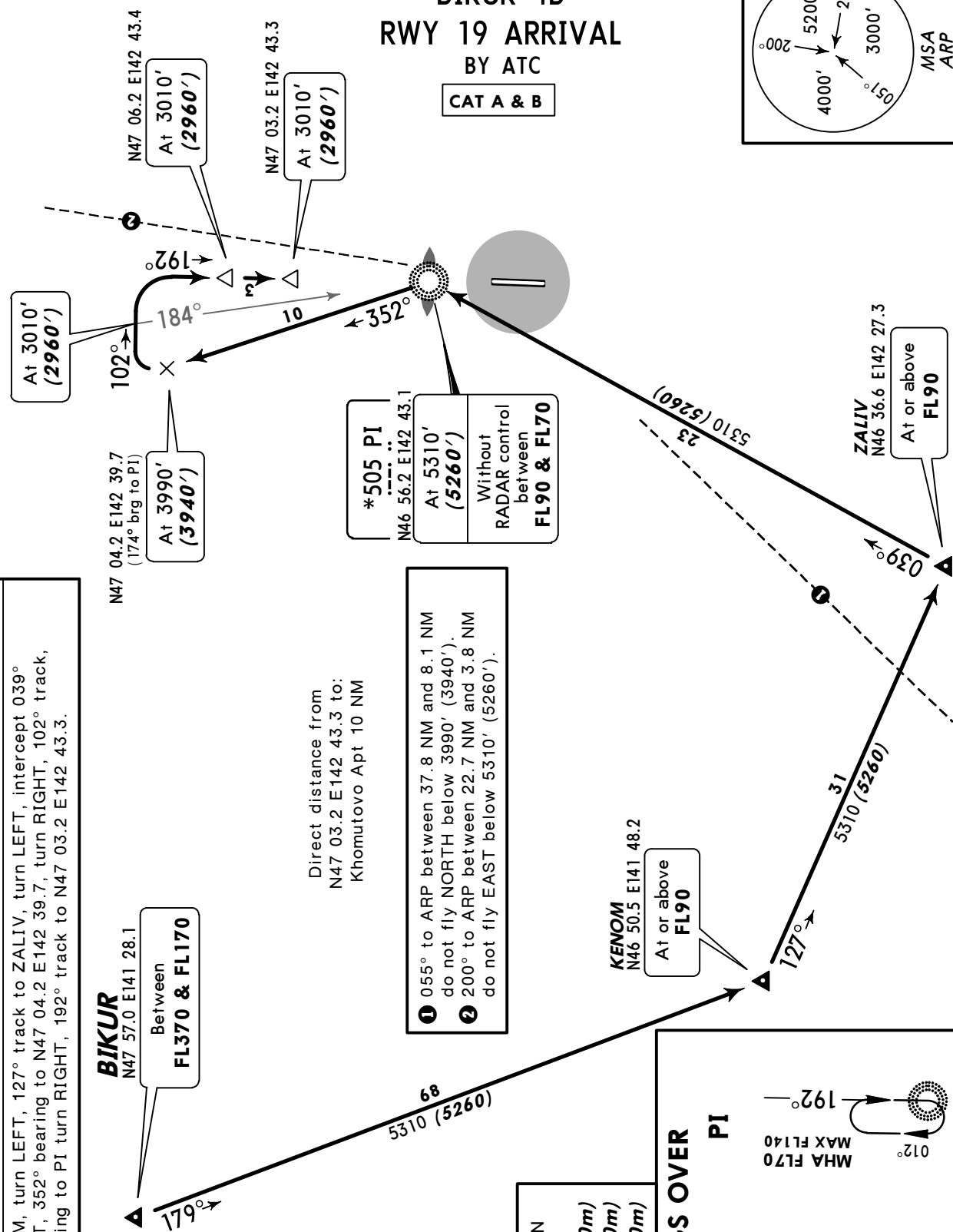
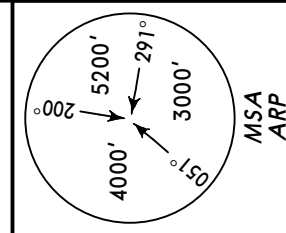


Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5260')

BIKUR 4B RWY 19 ARRIVAL

BY ATC

CAT A & B



ROUTING

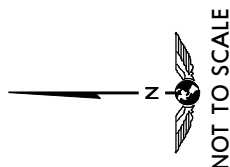
On 179° track to KENOM, turn LEFT, 127° track to ZALIV, turn LEFT, intercept 039° bearing to PI, turn LEFT, 352° bearing to N47 04.2 E142 39.7, turn RIGHT, 102° track, when passing 184° bearing to PI turn RIGHT, 192° track to N47 03.2 E142 43.3.

BIKUR

N47 57.0 E141 28.1
Between
FL370 & FL170

Direct distance from
N47 03.2 E142 43.3 to:
Khomutovo Apt 10 NM

- 055° to ARP between 37.8 NM and 8.1 NM do not fly NORTH below 3990' (3940').
- 200° to ARP between 22.7 NM and 3.8 NM do not fly EAST below 5310' (5260').



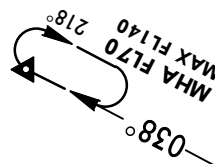
NOT TO SCALE

ALT/HEIGHT CONVERSION

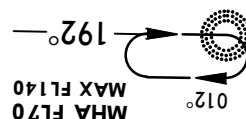
QNH (QFE)
5310' (5260' - 1600m)
3990' (3940' - 1200m)
3010' (2960' - 900m)

HOLDINGS OVER

ZALIV



PI



ATIS
126.2Apt Elev
59'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5266')

VIBIR 2 RWY 01 ARRIVAL

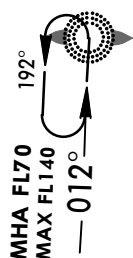
ONLY FOR RUSSIAN USERS OF AIRSPACE

CAT C & D

- 200° to ARP between 22.7 NM and 3.8 NM do not fly EAST below 5310' (5266').
- 291° to ARP between 13.5 NM and 3.8 NM do not fly NORTH below 5310' (5266').
- 315° to ARP between 37.8 NM and 3.8 NM do not fly NORTH below 3990' (3946').
- 055° to ARP between 37.8 NM and 8.1 NM do not fly NORTH below 3990' (3946').

ALT/HEIGHT CONVERSION	
QNH	(QFE)
5310'	(5266' - 1600m)
3990'	(3946' - 1200m)
3000'	(2956' - 900m)
2020'	(1976' - 600m)

HOLDING OVER S

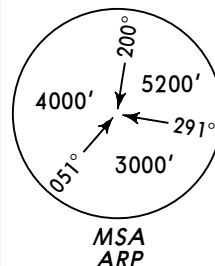


Direct distance from
N46 45.4 E142 42.9 to:
Khomutovo Apt 8 NM

VIBIR

N47 51.0 E142 31.1

Between
FL270 & FL190
or
between
FL130 & FL80



SORLA

N47 16.0 E142 46.1

Between
FL130 &
5310' (5266')

*645 S
N46 51.6 E142 43.0

*505 SL
N46 50.0 E142 42.9
At 5310'
(5266')
Without
RADAR control
between
FL90 & FL70

N46 45.4
E142 42.9
At 2020'
(1976')

N46 42.4
E142 42.8
At 2020'
(1976')

At 2020'
(1976')

N46 40.1
E142 37.4
(031° brg to SL)
At 3000'
(2956')

ROUTING

On 174° track to SORLA, turn RIGHT, intercept 195° bearing to SL, turn RIGHT, 213° track to N46 40.1 E142 37.4, turn LEFT, 102° track, when passing 018° bearing to SL turn on 012° track to N46 45.4 E142 42.9.

ATIS
126.2Apt Elev
59'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5266')

VIBIR 2 RWY 01 ARRIVAL

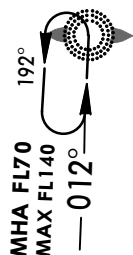
ONLY FOR RUSSIAN USERS OF AIRSPACE

CAT A & B

- 200° to ARP between 22.7 NM and 3.8 NM do not fly EAST below 5310' (5266').
- 291° to ARP between 13.5 NM and 3.8 NM do not fly NORTH below 5310' (5266').
- 315° to ARP between 37.8 NM and 3.8 NM do not fly NORTH below 3990' (3946').
- 055° to ARP between 37.8 NM and 8.1 NM do not fly NORTH below 3990' (3946').

ALT/HEIGHT CONVERSION	
QNH	(QFE)
5310'	(5266' - 1600m)
3990'	(3946' - 1200m)
3000'	(2956' - 900m)
2020'	(1976' - 600m)

HOLDING OVER S

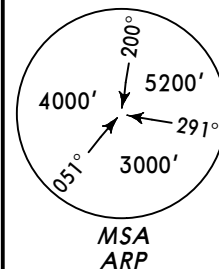


Direct distance from
N46 45.4 E142 42.9 to:
Khomutovo Apt 8 NM

VIBIR

N47 51.0 E142 31.1

Between
FL270 & FL190
or
between
FL130 & FL80



SORLA

N47 16.0 E142 46.1

Between
FL130 &
5310' (5266')

*645 S
N46 51.6 E142 43.0

*505 SL
N46 50.0 E142 42.9
At 5310' (5266')
Without
RADAR control
between
FL90 & FL70

N46 45.4
E142 42.9
At 2020' (1976')

N46 42.4
E142 42.8
At 2020' (1976')

N46 41.8
E142 39.2
(027° brg to SL)
At 3000' (2956')

At 2020' (1976')

ROUTING

On 174° track to SORLA, turn RIGHT, intercept 195° bearing to SL, turn RIGHT, 209° track to N46 41.8 E142 39.2, turn LEFT, 102° track, when passing 016° bearing to SL turn on 012° track to N46 45.4 E142 42.9.

ATIS
126.2Apt Elev
59'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5260')

VIBIR 4, VIBIR 4V [VIBI4V]

VIBIR 6

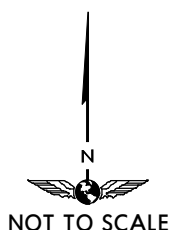
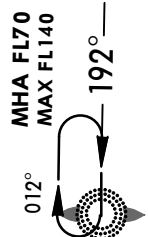
RWY 19 ARRIVALS

ONLY FOR RUSSIAN USERS OF AIRSPACE

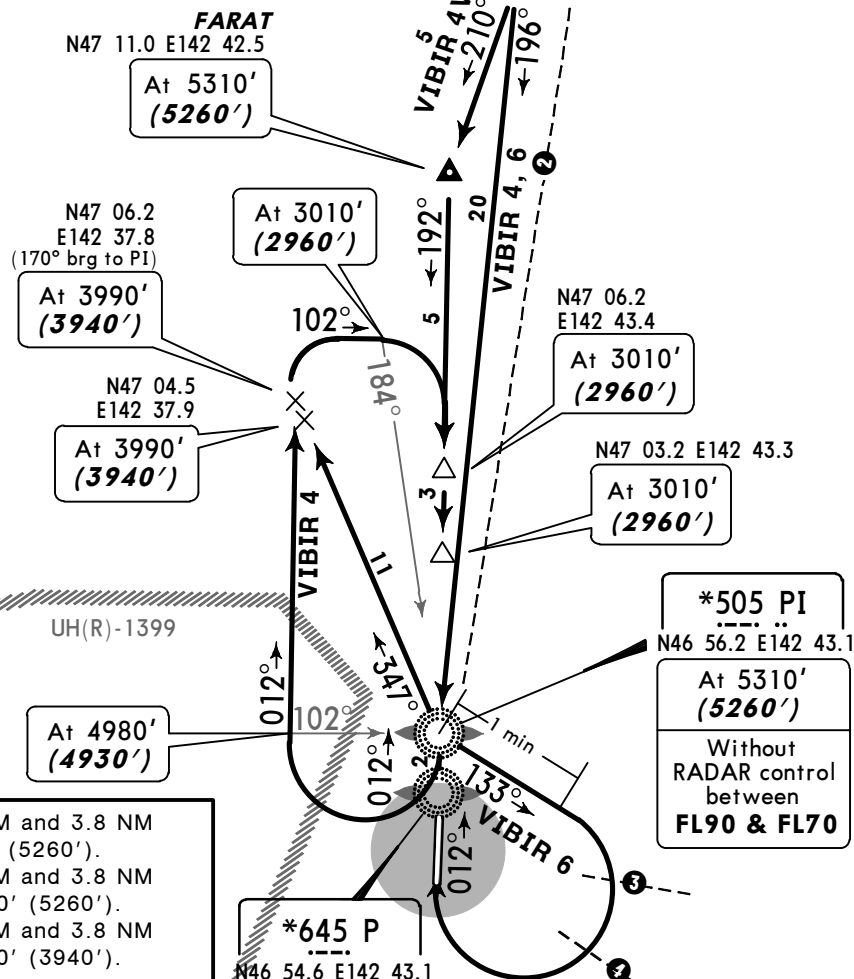
CAT C & D

ALT/HEIGHT CONVERSION	
QNH	(QFE)
5310'	(5260' - 1600m)
4980'	(4930' - 1500m)
3990'	(3940' - 1200m)
3010'	(2960' - 900m)

Direct distance from
N47 03.2 E142 43.3 to:
Khomutovo Apt 10 NM

HOLDING
OVER PI

- ② 200° to ARP between 22.7 NM and 3.8 NM do not fly EAST below 5310' (5260').
- ③ 291° to ARP between 13.5 NM and 3.8 NM do not fly NORTH below 5310' (5260').
- ④ 315° to ARP between 37.8 NM and 3.8 NM do not fly NORTH below 3990' (3940').



STAR

ROUTING

VIBIR 4

On 174° track to SORLA, turn RIGHT, intercept 196° bearing to PI, turn RIGHT, 012° track to N47 06.2 E142 37.8, turn RIGHT, 102° track, when passing 184° bearing to PI turn RIGHT, 192° track to N47 03.2 E142 43.3.

VIBIR 4V

On 174° track to SORLA, turn RIGHT, 210° track to FARAT, then via N47 06.2 E142 43.4 to N47 03.2 E142 43.3.

VIBIR 6
①

On 174° track to SORLA, turn RIGHT, intercept 196° bearing to PI, turn LEFT, 133° track, after 1 minute turn RIGHT to PI, 347° bearing to N47 04.5 E142 37.9, turn RIGHT, 102° track, when passing 184° bearing to PI turn RIGHT, 192° track to N47 03.2 E142 43.3.

① Available when UH(R)-1399 is active.

ATIS
126.2Apt Elev
59'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5260')

VIBIR 4, VIBIR 4V RWY 19 ARRIVALS

ONLY FOR RUSSIAN USERS OF AIRSPACE

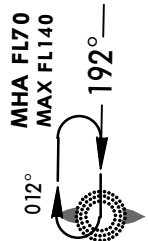
CAT A & B

ALT/HEIGHT CONVERSION	
QNH	(QFE)
5310'	(5260' - 1600m)
4980'	(4930' - 1500m)
3990'	(3940' - 1200m)
3010'	(2960' - 900m)



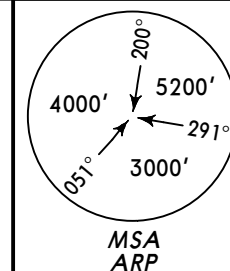
Direct distance from
N47 03.2 E142 43.3 to:
Khomutovo Apt 10 NM

HOLDING OVER PI



- 200° to ARP between 22.7 NM and 3.8 NM do not fly EAST below 5310' (5260').
- 291° to ARP between 13.5 NM and 3.8 NM do not fly NORTH below 5310' (5260').
- 315° to ARP between 37.8 NM and 3.8 NM do not fly NORTH below 3990' (3940').

VIBIR
N47 51.0 E142 31.1
At or above
FL80



SORLA
N47 16.0 E142 46.1
Between
FL130
&
5310' (5260')

FARAT
N47 11.0 E142 42.5
At 5310'
(5260')

At 3010'
(2960')

N47 06.2 E142 39.4
At 3990'
(3940')

N47 06.2
E142 43.4
At 3010'
(2960')

N47 03.2 E142 43.3
At 3010'
(2960')

***505 PI**
N46 56.2 E142 43.1
At 5310'
(5260')
Without
RADAR control
between
FL90 & FL70

At 4980'
(4930')

STAR

ROUTING

VIBIR 4

On 174° track to SORLA, turn RIGHT, intercept 196° bearing to PI, turn RIGHT, 012° track to N47 06.2 E142 39.4, turn RIGHT, 102° track, when passing 184° bearing to PI turn RIGHT, 192° track to N47 03.2 E142 43.3.

VIBIR 4V

On 174° track to SORLA, turn RIGHT, 210° track to FARAT, then via N47 06.2 E142 43.4 to N47 03.2 E142 43.3.

Apt Elev
59'

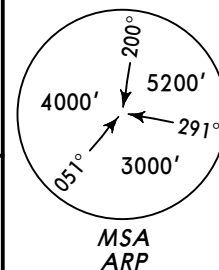
QNH on request (QFE)

Trans level: FL70

FL80 if pressure is less than 758 mm (1010.6 hPa)

FL90 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 5310' (5266')

BIKUR 1A [BIKU1A]
RWY 01 DEPARTURE
BY ATC**BIKUR**

N47 57.0 E141 28.1

FL by ATC

- 1 Beyond 13.5 NM from ARP do not fly below 3990' (3946').
- 2 020° from ARP between 3.8 NM and 22.7 NM do not fly EAST below 5310' (5266').

**KLYUCHI**

[KLYCI]

N47 05.3 E142 39.5

At or above
3990' (3946')

ALT/HEIGHT CONVERSION

QNH (QFE)

710'	(666' - 200m)
3990'	(3946' - 1200m)
5310'	(5266' - 1600m)

At 710'
(666')

ROUTING

Climb straight ahead to 710' (666'), turn LEFT, 358° track to KLYUCHI, turn LEFT, 328° track to BIKUR, climbing to assigned FL.

Apt Elev
59'

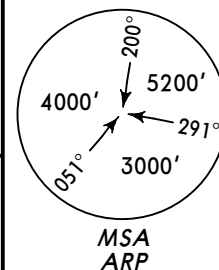
QNH on request (QFE)

Trans level: FL70

FL80 if pressure is less than 758 mm (1010.6 hPa)

FL90 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 5310' (5260')

**BIKUR 3A [BIKU3A], BIKUR 3B [BIKU3B]**
AVAILABLE WHEN UH(R)-1399 IS NOT ACTIVE**BIKUR**

N47 57.0 E141 28.1

BIKUR 3A, 3C

FL by ATC

BIKUR 3B

At or above FL100

BIKUR 3C [BIKU3C]**RWY 19 DEPARTURES**

BY ATC

- 1 Beyond 13.5 NM from ARP do not fly below 3990' (3940').
- 2 020° from ARP between 3.8 NM and 22.7 NM do not fly EAST below 5310' (5260').
- 3 235° from ARP between 8.1 NM and 37.8 NM do not fly NORTH below 3990' (3940').

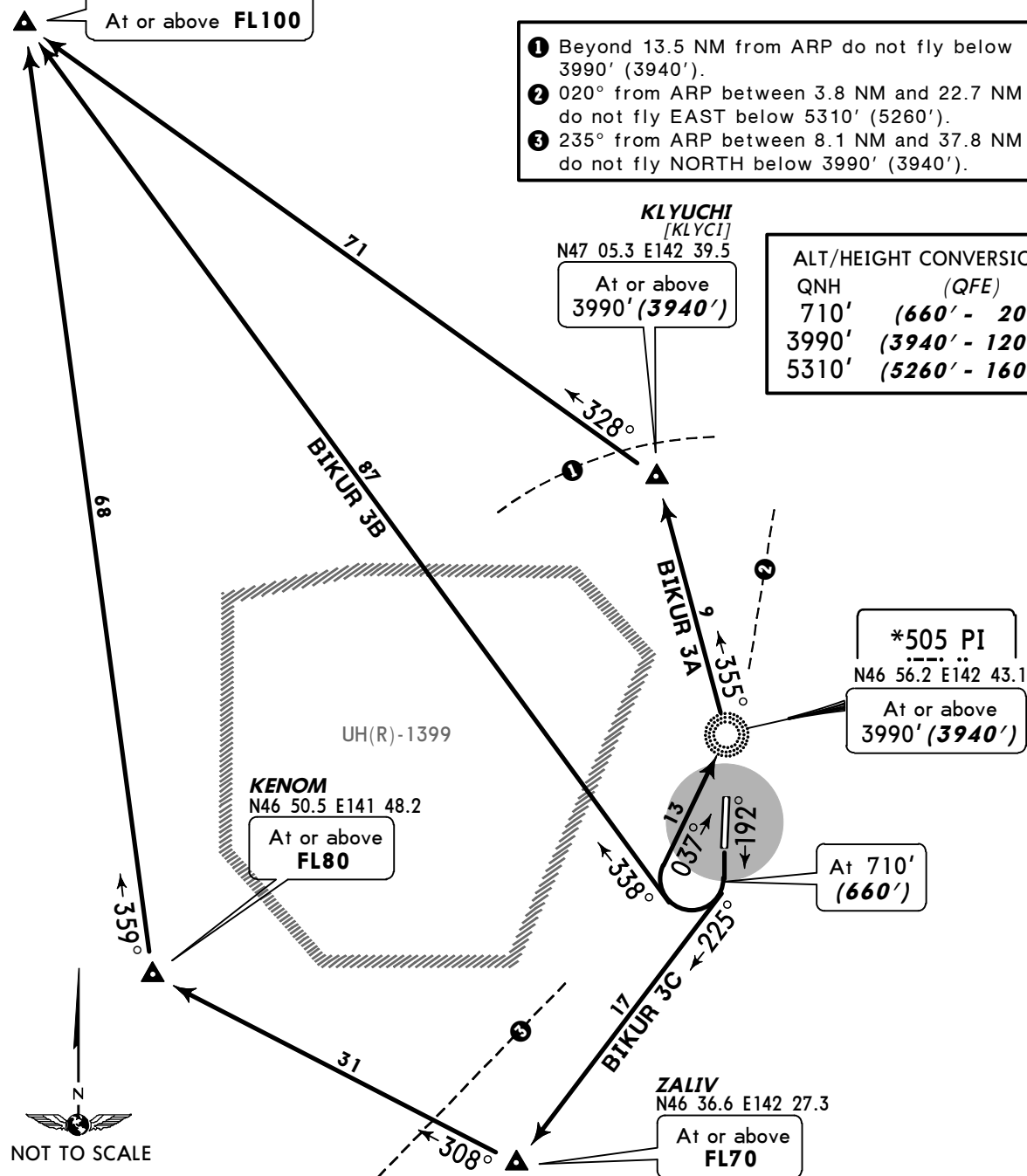
KLYUCHI

[KLYCI]

N47 05.3 E142 39.5

At or above
3990' (3940')**ALT/HEIGHT CONVERSION**

QNH	(QFE)
710'	(660' - 200m)
3990'	(3940' - 1200m)
5310'	(5260' - 1600m)



SID

ROUTING

BIKUR 3A

Climb straight ahead to 710' (660'), turn RIGHT, intercept 037° bearing to PI, turn LEFT, 355° bearing to KLYUCHI, turn LEFT, 328° track to BIKUR, climbing to assigned FL.

BIKUR 3B

Climb straight ahead to 710' (660'), turn RIGHT, 338° track to BIKUR, climbing to at or above FL100.

BIKUR 3C

Climb straight ahead to 710' (660'), turn RIGHT, 225° track to ZALIV, turn RIGHT, 308° track to KENOM, turn RIGHT, 359° track to BIKUR, climbing to assigned FL.

Apt Elev
59'

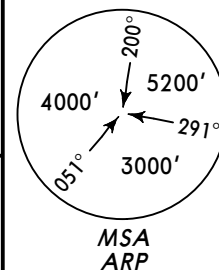
QNH on request (QFE)

Trans level: FL70

FL80 if pressure is less than 758 mm (1010.6 hPa)

FL90 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 5310' (5260')



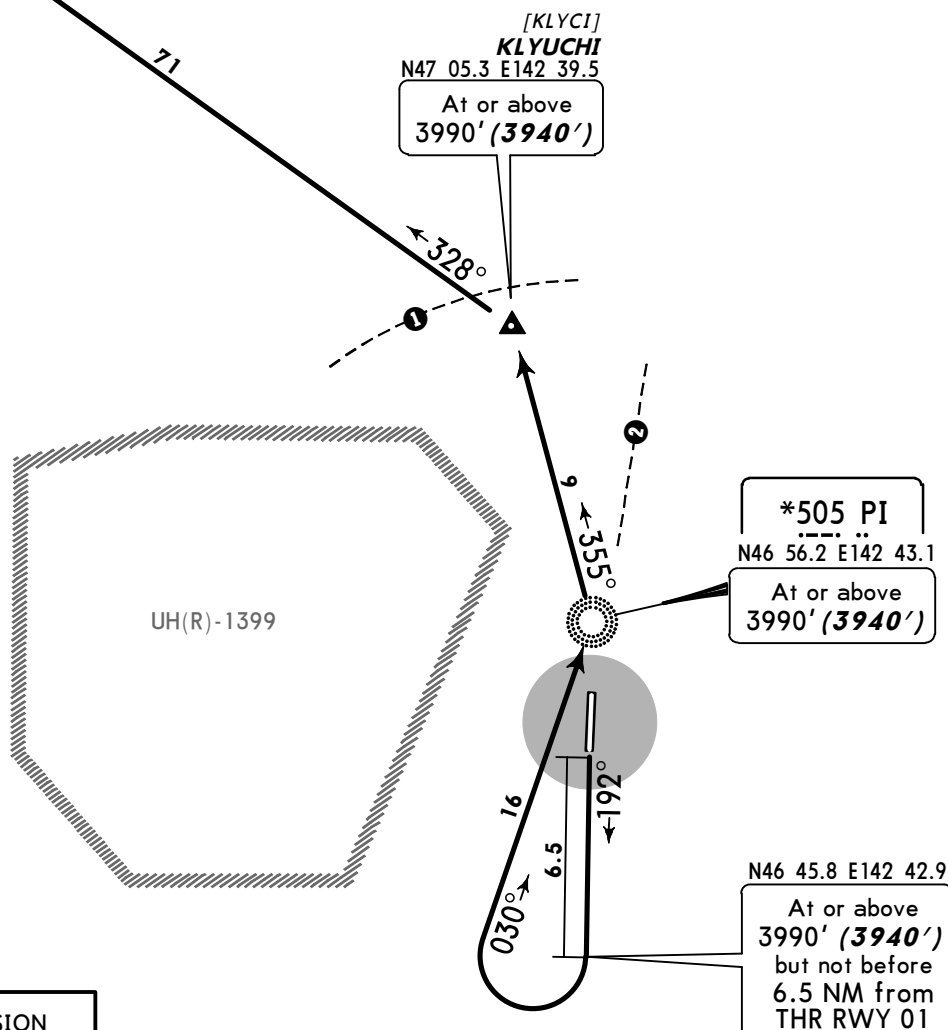
BIKUR 5A [BIKU5A]
RWY 19 DEPARTURE
AVAILABLE WHEN UH(R)-1399 IS ACTIVE
BY ATC
CAT C & D

BIKUR

N47 57.0 E141 28.1

FL by ATC

- 1 Beyond 13.5 NM from ARP do not fly below 3990' (3940').
- 2 020° from ARP between 3.8 NM and 22.7 NM do not fly EAST below 5310' (5260').



ALT/HEIGHT CONVERSION

QNH (QFE)

3990' (3940' - 1200m)

5310' (5260' - 1600m)

ROUTING

Climb straight ahead, at or above 3990' (3940'), but not before 6.5 NM from THR RWY 01 turn RIGHT, intercept 030° bearing to PI, turn LEFT, 355° bearing to KLYUCHI, turn LEFT, 328° track to BIKUR, climbing to assigned FL.

Apt Elev
59'

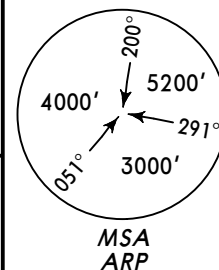
QNH on request (QFE)

Trans level: FL70

FL80 if pressure is less than 758 mm (1010.6 hPa)

FL90 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 5310' (5266')

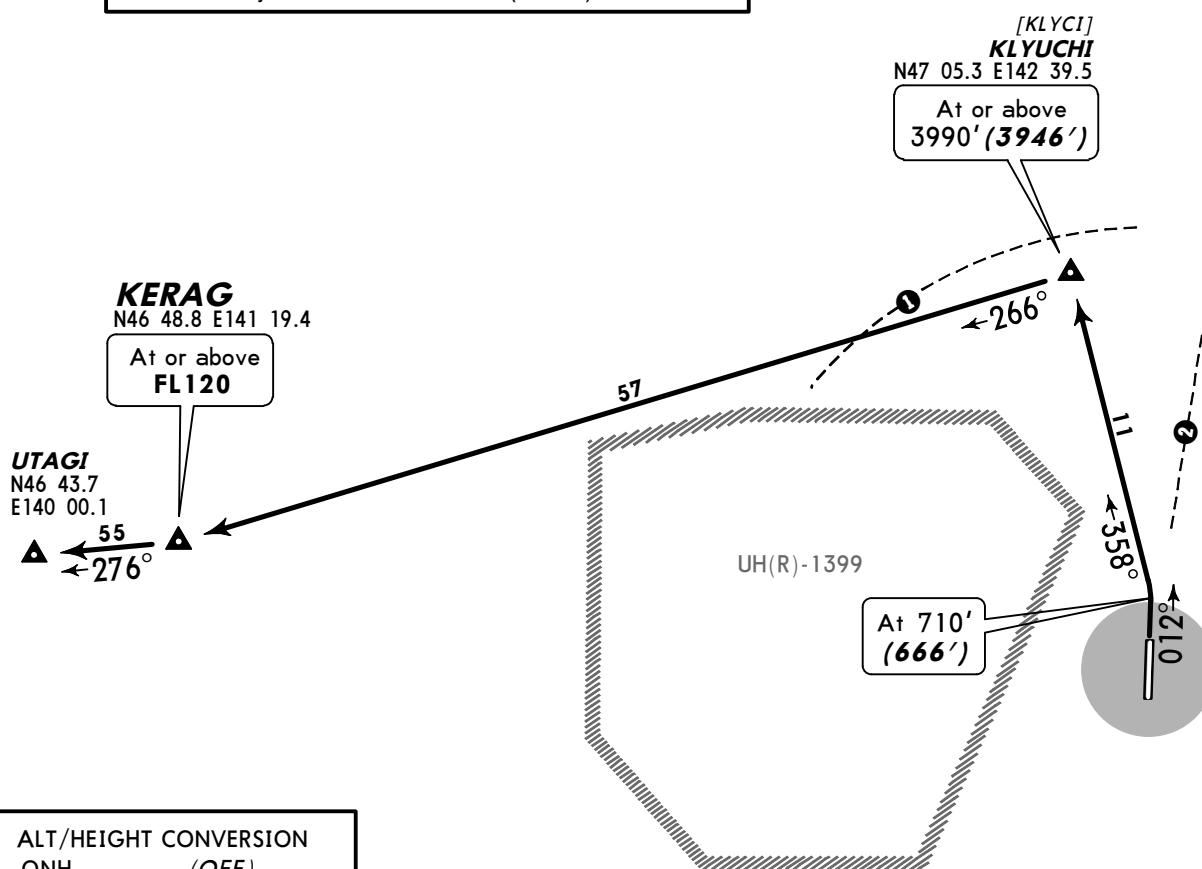


KERAG 1

RWY 01 DEPARTURE

AVAILABLE WHEN UH(R)-1399 IS NOT ACTIVE
BY ATC

- 1 Beyond 13.5 NM from ARP do not fly below 3990' (3946').
- 2 020° from ARP between 3.8 NM and 22.7 NM do not fly EAST below 5310' (5266').



ALT/HEIGHT CONVERSION	
QNH	(QFE)
710'	(666' - 200m)
3990'	(3946' - 1200m)
5310'	(5266' - 1600m)



ROUTING

Climb straight ahead to 710' (666'), turn LEFT, 358° track to KLYUCHI, turn LEFT, 266° track to KERAG.

Apt Elev
59'

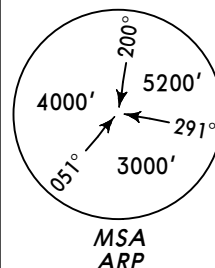
QNH on request (QFE)

Trans level: FL70

FL80 if pressure is less than 758 mm (1010.6 hPa)

FL90 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 5310' (5260')

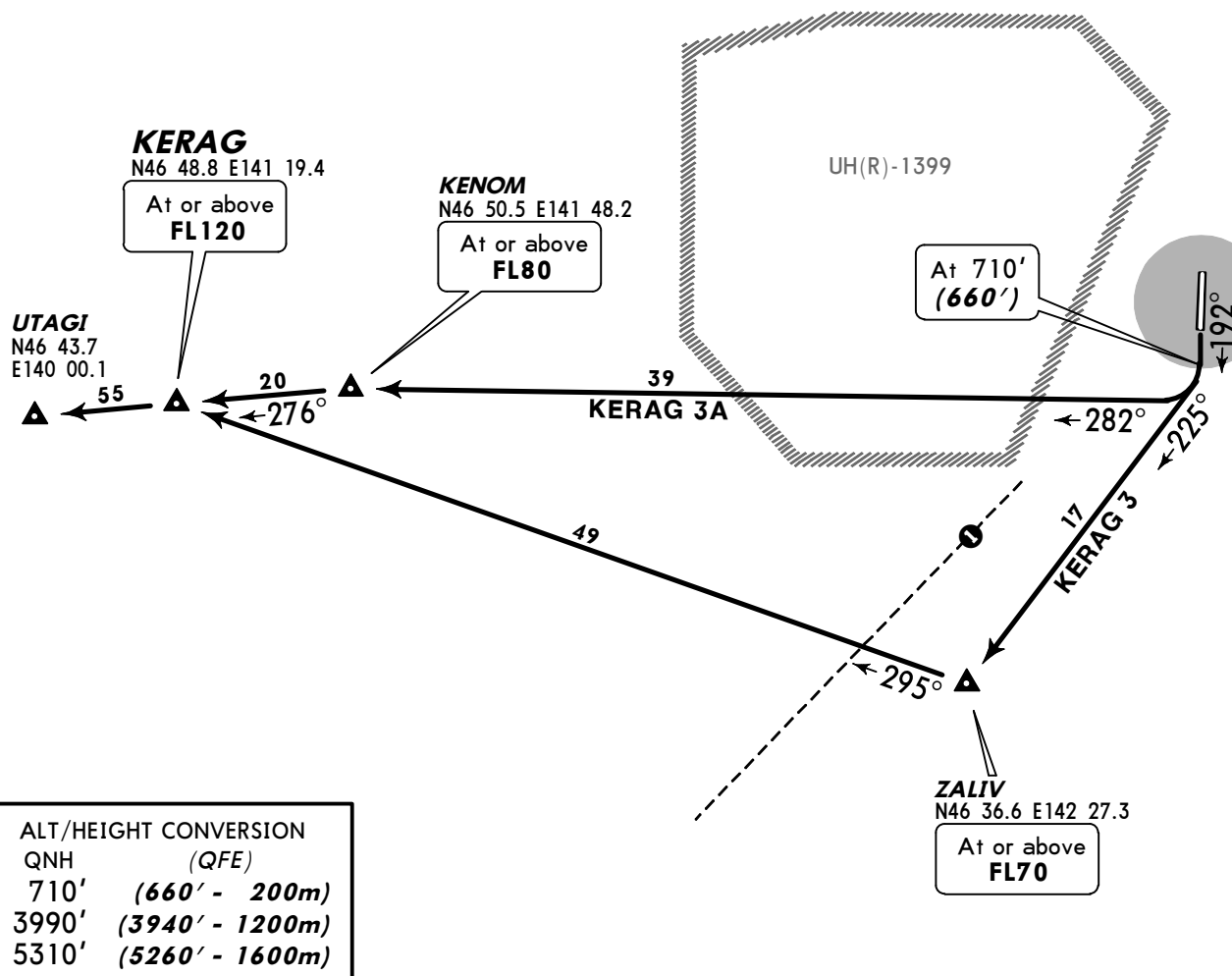


KERAG 3, KERAG 3A [KERA3A]

RWY 19 DEPARTURES

AVAILABLE WHEN UH(R)-1399 IS NOT ACTIVE
BY ATC

① 235° from ARP between 8.1 NM and 37.8 NM
do not fly NORTH below 3990' (3940').



SID

ROUTING

KERAG 3

Climb straight ahead to 710' (660'), turn RIGHT, 225° track to ZALIV,
turn RIGHT, 295° track to KERAG.

KERAG 3A

Climb straight ahead to 710' (660'), turn RIGHT, 282° track to KENOM,
turn LEFT, 276° track to KERAG.

Apt Elev
59'

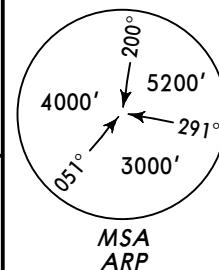
QNH on request (QFE)

Trans level: FL70

FL80 if pressure is less than 758 mm (1010.6 hPa)

FL90 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 5310' (5266')

**LIKON**

N47 39.4 E142 02.4

At or above
FL100**LIKON 1****LIKON 1A [LIK01A]**

BY ATC

RWY 01 DEPARTURES

- 1 Beyond 13.5 NM from ARP do not fly below 3990' (3946').
- 2 020° from ARP between 3.8 NM and 22.7 NM do not fly EAST below 5310' (5266').



ALT/HEIGHT CONVERSION

QNH	(QFE)
710'	(666' - 200m)
3990'	(3946' - 1200m)
5310'	(5266' - 1600m)

KLYUCHI
[KLYCI]
N47 05.3 E142 39.5
At or above
3990' (3946')

At 710'
(666')

SID**ROUTING****LIKON 1**

Climb straight ahead to 710' (666'), turn RIGHT, 016° track to SORLA, turn LEFT, 319° track to LIKON.

LIKON 1A
By ATC

Climb straight ahead to 710' (666'), turn LEFT, 358° track to KLYUCHI, turn LEFT, 334° track to LIKON.

Apt Elev
59'

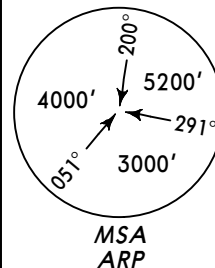
QNH on request (QFE)

Trans level: FL70

FL80 if pressure is less than 758 mm (1010.6 hPa)

FL90 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 5310' (5260')

**LIKON**

N47 39.4 E142 02.4

At or above
FL100**LIKON 3****LIKON 3A [LIKO3A]****LIKON 3B [LIKO3B]**

BY ATC

RWY 19 DEPARTURES

AVAILABLE WHEN UH(R)-1399 IS NOT ACTIVE

- 1 Beyond 13.5 NM from ARP do not fly below 3990' (3940').
- 2 020° from ARP between 3.8 NM and 22.7 NM do not fly EAST below 5310' (5260').

ALT/HEIGHT CONVERSION
QNH (QFE)

710'	(660' - 200m)
3990'	(3940' - 1200m)
5310'	(5260' - 1600m)

SORLA
N47 16.0 E142 46.1

[KLYCI]
KLYUCHI
N47 05.3 E142 39.5
At or above
3990' (3940')



***505 PI**
N46 56.2 E142 43.1
At or above
3990' (3940')

At 710'
(660')

UH(R)-1399

SID**ROUTING****LIKON 3**

Climb straight ahead to 710' (660'), turn RIGHT, intercept 037° bearing to PI, turn LEFT, 016° bearing to SORLA, turn LEFT, 319° track to LIKON.

LIKON 3A

By ATC

Climb straight ahead to 710' (660'), turn RIGHT, intercept 037° bearing to PI, turn LEFT, 355° bearing to KLYUCHI, turn LEFT, 334° track to LIKON.

LIKON 3B

By ATC

Climb straight ahead to 710' (660'), turn RIGHT, 343° track to LIKON.

Apt Elev
59'

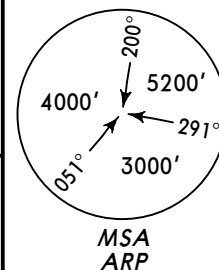
QNH on request (QFE)

Trans level: FL70

FL80 if pressure is less than 758 mm (1010.6 hPa)

FL90 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 5310' (5260')

**LIKON**

N47 39.4 E142 02.4

At or above
FL100**LIKON 5****LIKON 5A [LIKO5A]**

BY ATC

RWY 19 DEPARTURES

AVAILABLE WHEN UH(R)-1399 IS ACTIVE

CAT C & D

ALT/HEIGHT CONVERSION

QNH (QFE)

3990' (3940' - 1200m)

5310' (5260' - 1600m)

- 1 Beyond 13.5 NM from ARP do not fly below 3990' (3940').
- 2 020° from ARP between 3.8 NM and 22.7 NM do not fly EAST below 5310' (5260').
- 3 235° from ARP between 8.1 NM and 37.8 NM do not fly NORTH below 3990' (3940').

**[KLYCHI]
KLYUCHI**
N47 05.3 E142 39.5At or above
3990' (3940')**SORLA**

N47 16.0 E142 46.1

***505 PI**

N46 56.2 E142 43.1

At or above
3990' (3940')

N46 45.8 E142 42.9

At or above
3990' (3940')
but not before
6.5 NM from
THR RWY 01

UH(R)-1399

SID**ROUTING****LIKON 5**

Climb straight ahead, at or above 3990' (3940'), but not before 6.5 NM from THR RWY 01 turn RIGHT, intercept 030° bearing to PI, turn LEFT, 016° bearing to SORLA, turn LEFT, 319° track to LIKON.

LIKON 5A
By ATC

Climb straight ahead, at or above 3990' (3940'), but not before 6.5 NM from THR RWY 01 turn RIGHT, intercept 030° bearing to PI, turn LEFT, 355° bearing to KLYUCHI, turn LEFT, 334° track to LIKON.

Apt Elev
59'

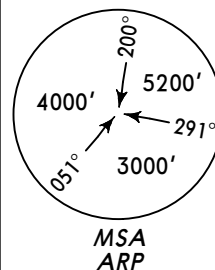
QNH on request (QFE)

Trans level: FL70

FL80 if pressure is less than 758 mm (1010.6 hPa)

FL90 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 5310' (5266')



ODEKO 1

AVAILABLE WHEN UH(R)-1399 IS NOT ACTIVE

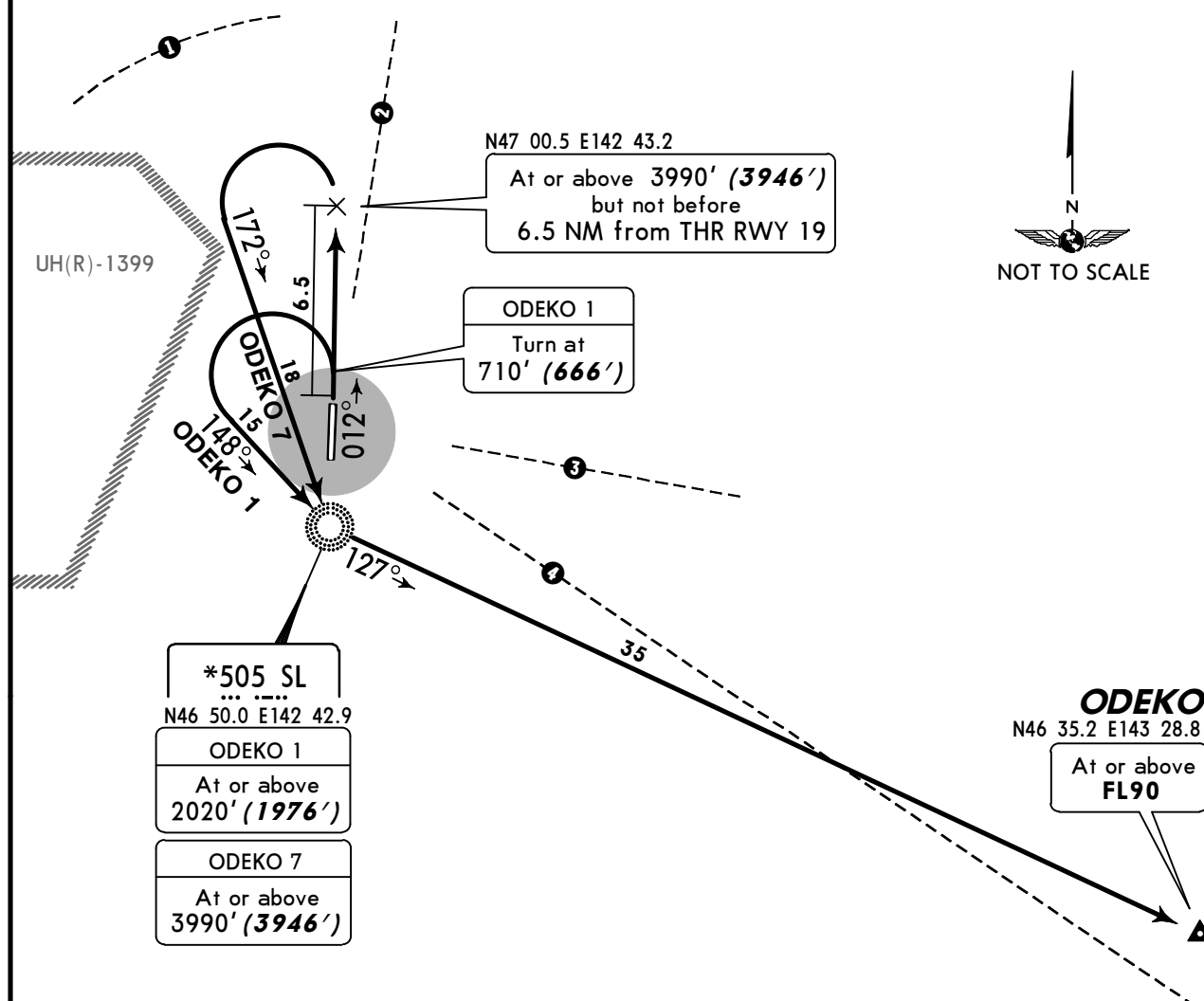
ODEKO 7

AVAILABLE WHEN UH(R)-1399 IS ACTIVE

BY ATC

CAT C & D

RWY 01 DEPARTURES



ALT/HEIGHT CONVERSION

QNH (QFE)

710'	(666' - 200m)
2020'	(1976' - 600m)
3990'	(3946' - 1200m)
5310'	(5266' - 1600m)

- 1 Beyond 13.5 NM from ARP do not fly below 3990' (3946').
- 2 020° from ARP between 3.8 NM and 22.7 NM do not fly EAST below 5310' (5266').
- 3 111° from ARP between 3.8 NM and 13.5 NM do not fly NORTH below 5310' (5266').
- 4 135° from ARP between 3.8 NM and 37.8 NM do not fly NORTH below 3990' (3946').

SID

ROUTING

ODEKO 1

Climb straight ahead to 710' (666'), turn LEFT, intercept 148° bearing to SL, turn LEFT, 127° bearing to ODEKO.

ODEKO 7
By ATC

Climb straight ahead, at or above 3990' (3946'), but not before 6.5 NM from THR RWY 19 turn LEFT to SL, turn LEFT, 127 bearing to ODEKO.

Apt Elev
59'

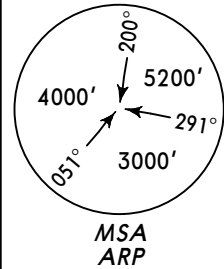
QNH on request (QFE)

Trans level: FL70

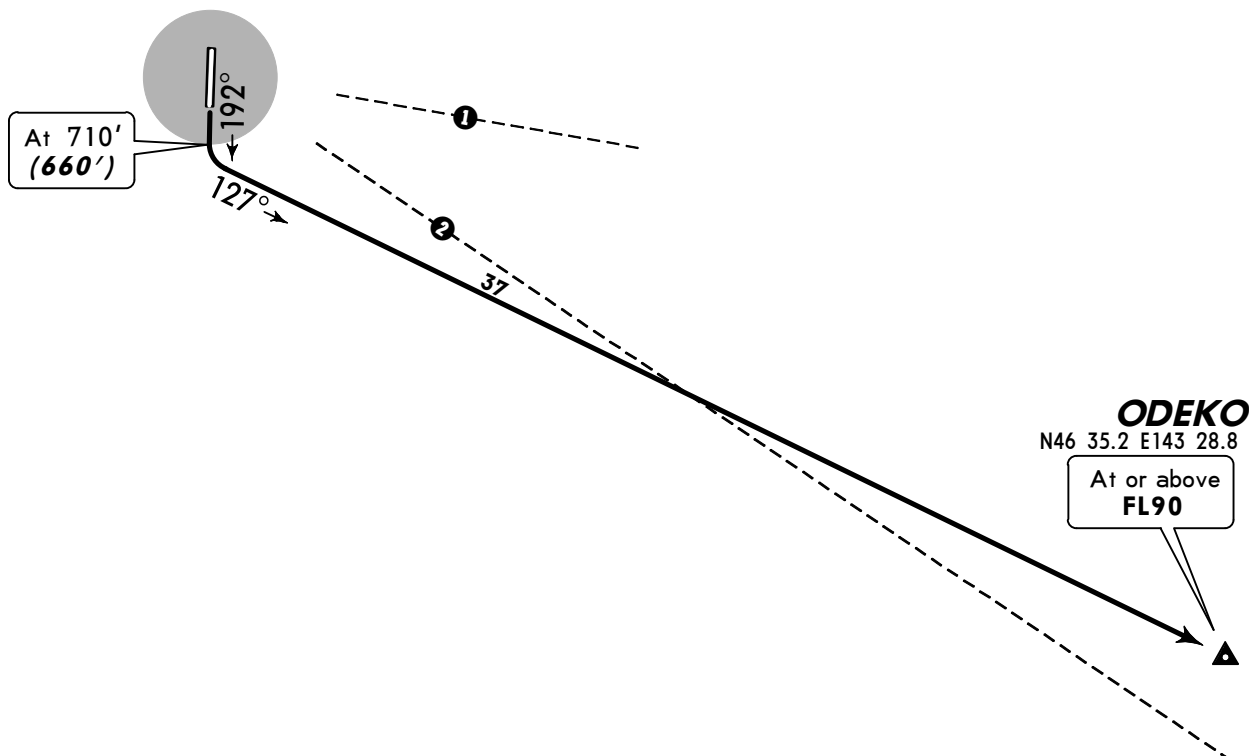
FL80 if pressure is less than 758 mm (1010.6 hPa)

FL90 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 5310' (5260')

ODEKO 3
RWY 19 DEPARTURE

- 1 111° from ARP between 3.8 NM and 13.5 NM
do not fly NORTH below 5310' (5260').
- 2 135° from ARP between 3.8 NM and 37.8 NM
do not fly NORTH below 3990' (3940').

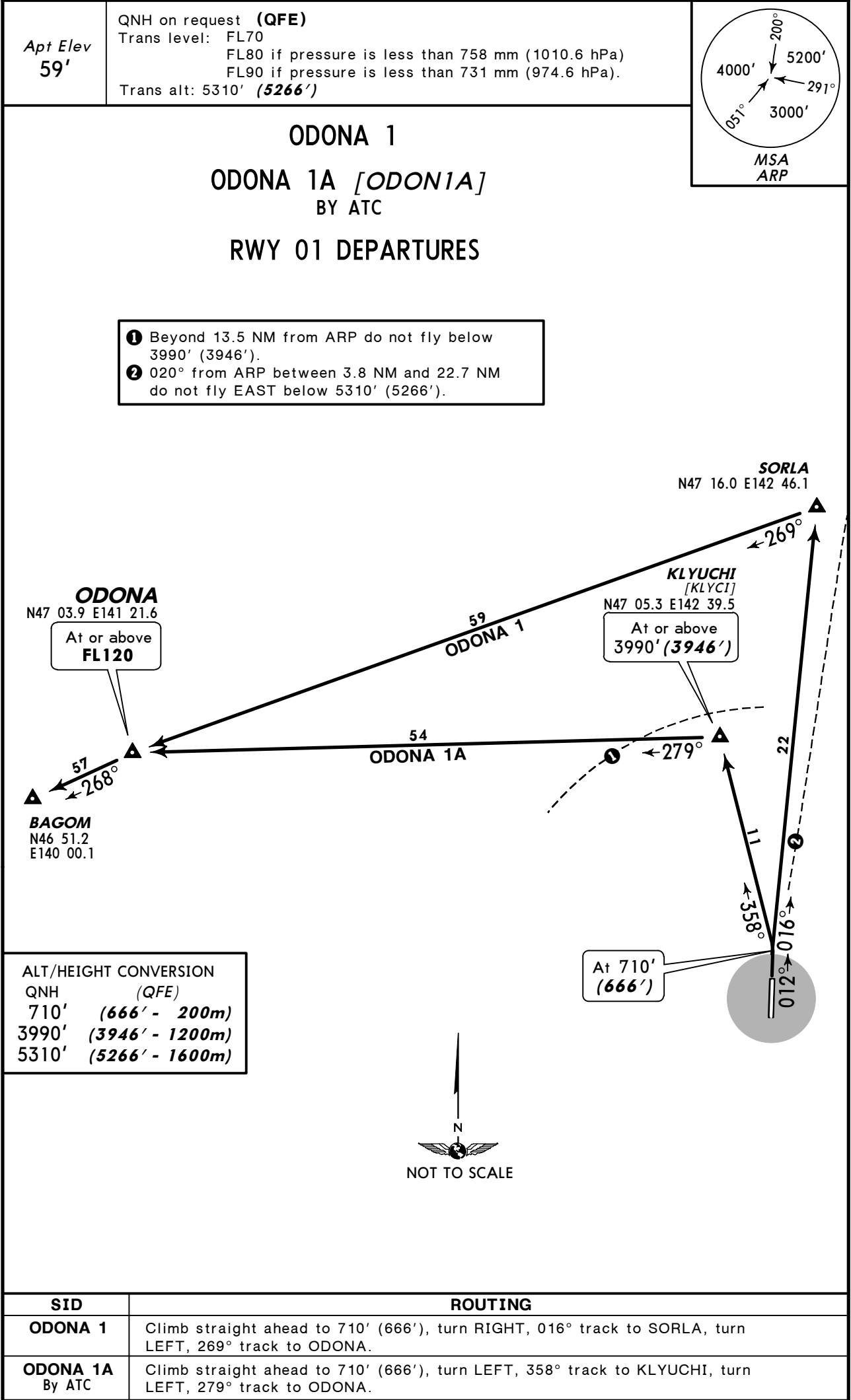


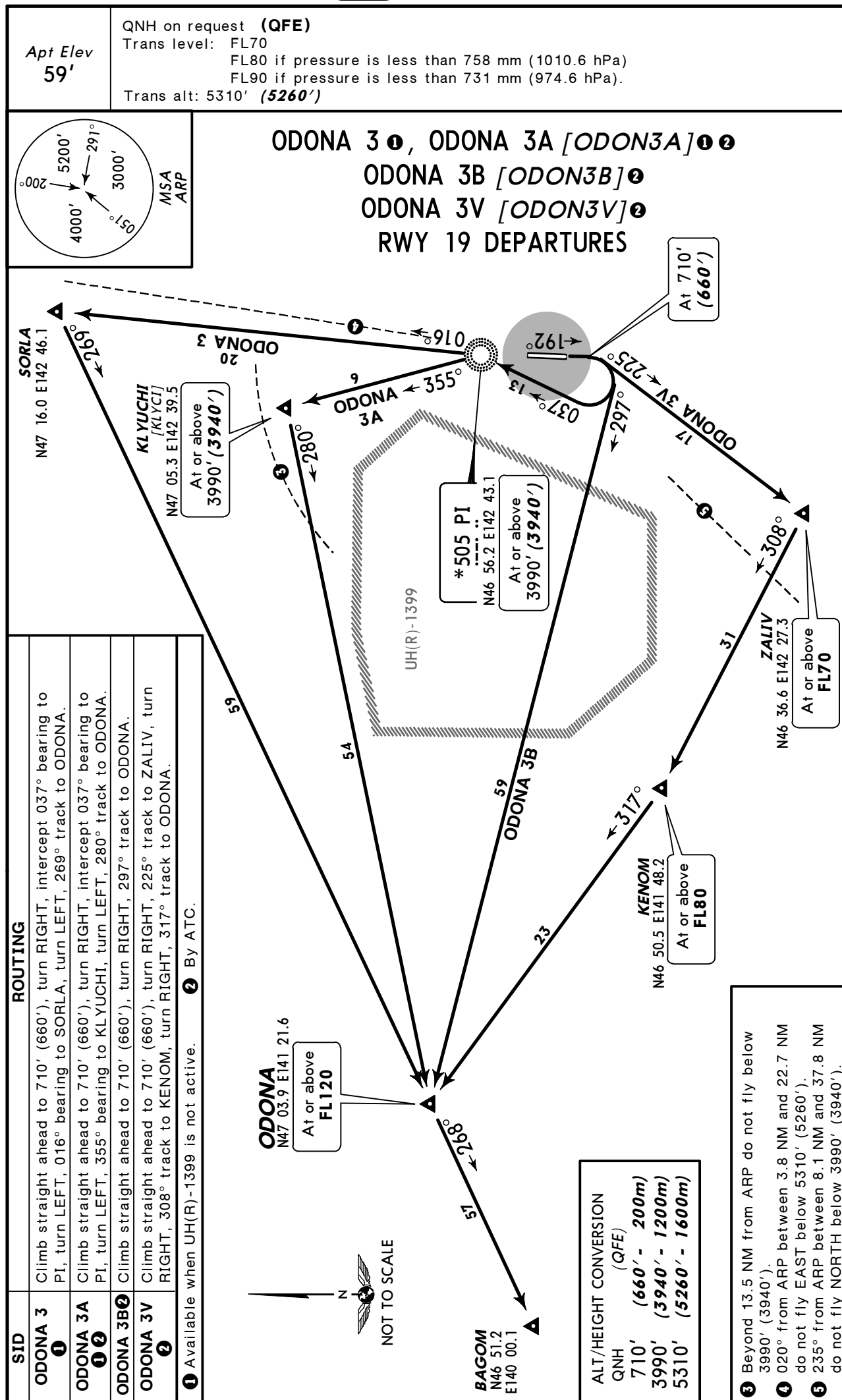
ALT/HEIGHT CONVERSION	
QNH	(QFE)
710'	(660' - 200m)
3990'	(3940' - 1200m)
5310'	(5260' - 1600m)

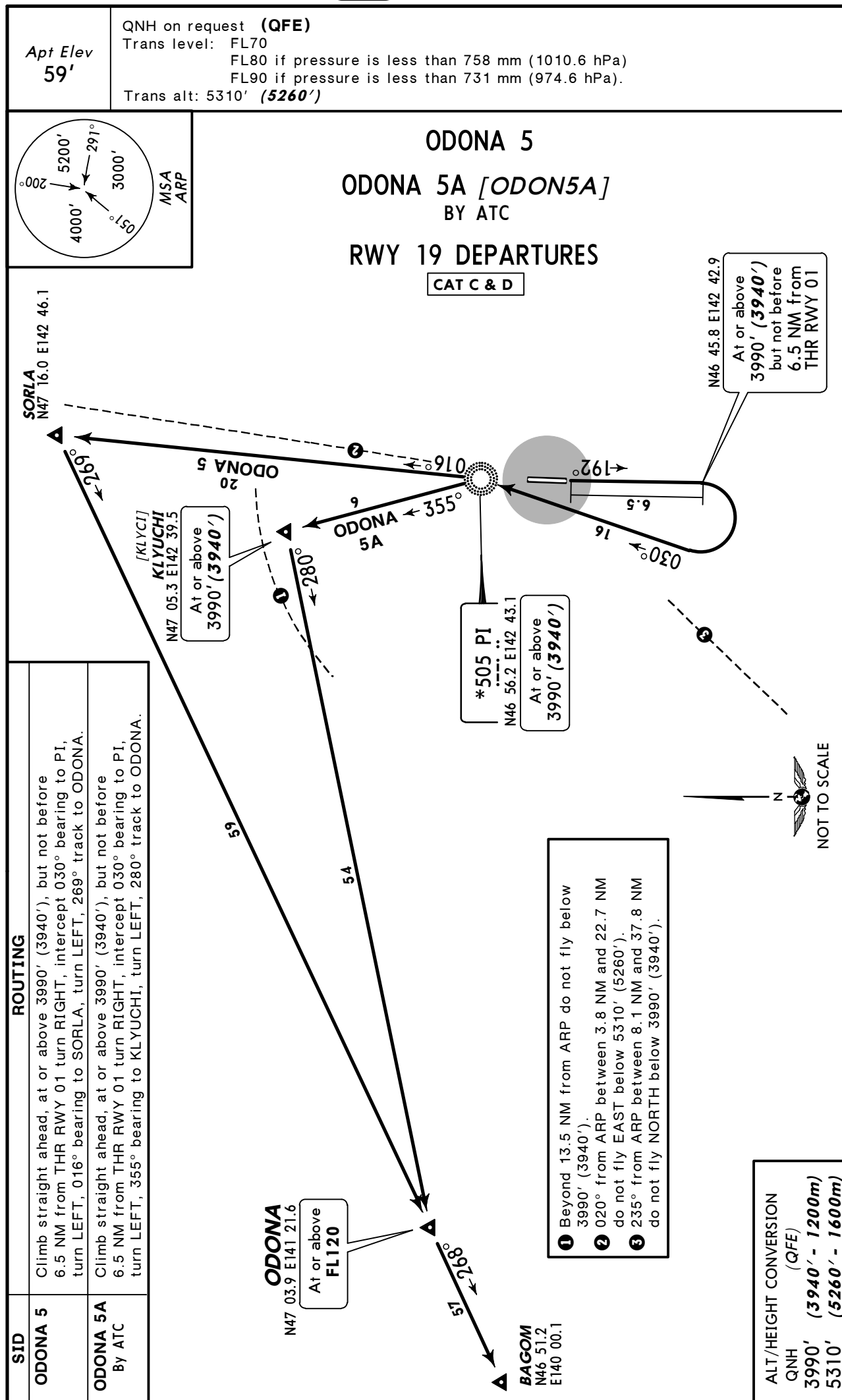


ROUTING

Climb straight ahead to 710' (660'), turn LEFT, 127° track to ODEKO.







Apt Elev
59'

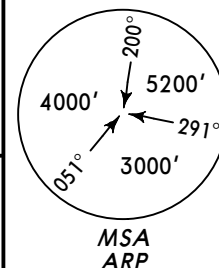
QNH on request (QFE)

Trans level: FL70

FL80 if pressure is less than 758 mm (1010.6 hPa)

FL90 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 5310' (5266')

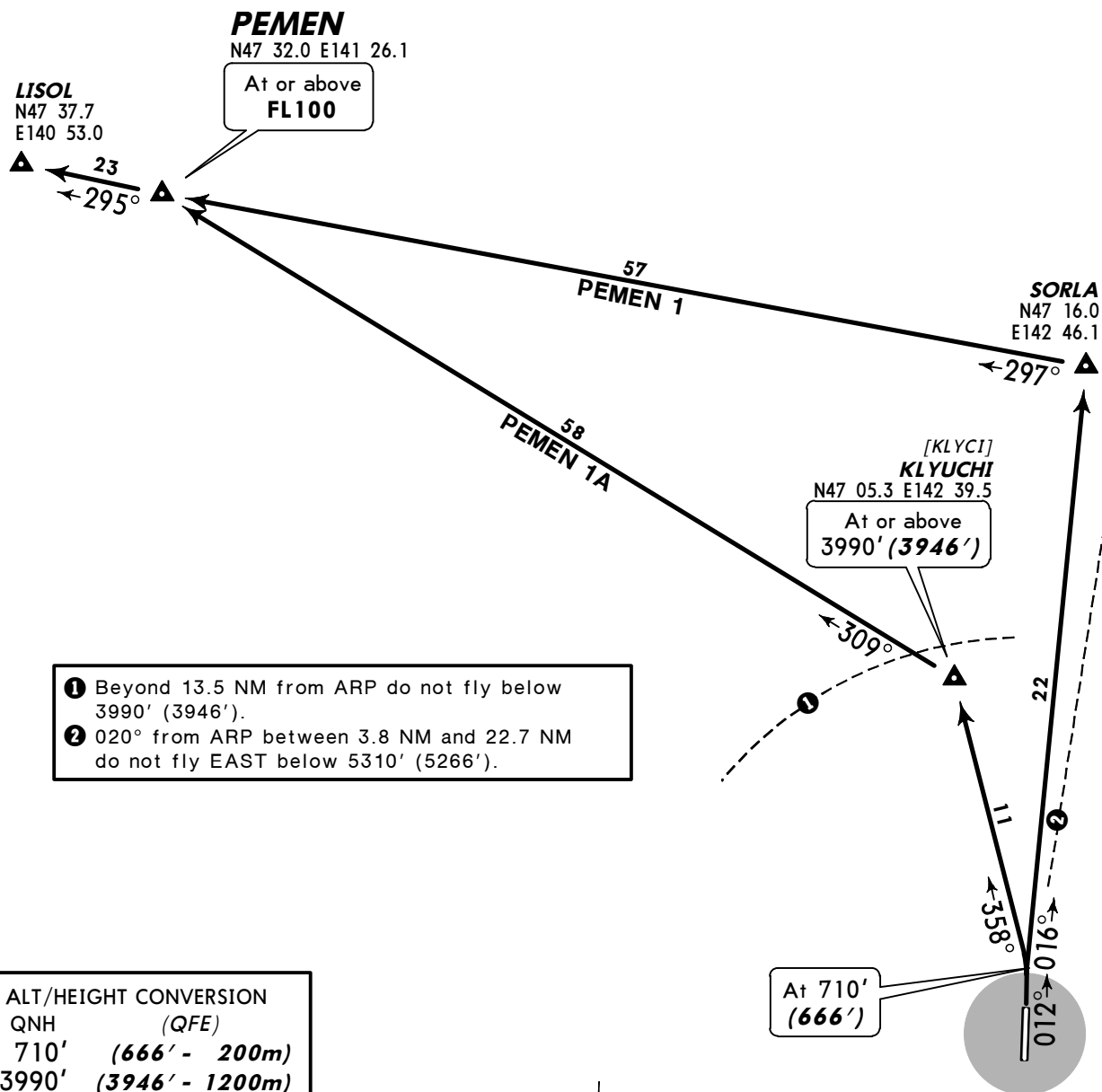


PEMEN 1

PEMEN 1A [PEME1A]

BY ATC

RWY 01 DEPARTURES



ALT/HEIGHT CONVERSION	
QNH	(QFE)
710'	(666' - 200m)
3990'	(3946' - 1200m)
5310'	(5266' - 1600m)



SID	ROUTING
PEMEN 1	Climb straight ahead to 710' (666'), turn RIGHT, 016° track to SORLA, turn LEFT, 297° track to PEMEN.
PEMEN 1A By ATC	Climb straight ahead to 710' (666'), turn LEFT, 358° track to KLYUCHI, turn LEFT, 309° track to PEMEN.

Apt Elev
59'

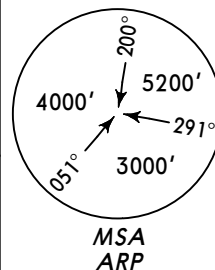
QNH on request (QFE)

Trans level: FL70

FL80 if pressure is less than 758 mm (1010.6 hPa)

FL90 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 5310' (5260')



PEMEN 3①, PEMEN 3A [PEME3A]①②
PEMEN 3B [PEME3B]①②, PEMEN 3V [PEME3V]②
RWY 19 DEPARTURES

LISOL
N47 37.7
E140 53.0PEMEN
N47 32.0 E141 26.1
FL by ATCKENOM
N46 50.5 E141 48.2
At or above
FL80

ALT/HEIGHT CONVERSION
QNH (QFE)
710' (660' - 200m)
3990' (3940' - 1200m)
5310' (5260' - 1600m)

- ③ Beyond 13.5 NM from ARP do not fly below 3990' (3940').
④ 020° from ARP between 3.8 NM and 22.7 NM do not fly EAST below 5310' (5260').
⑤ 235° from ARP between 8.1 NM and 37.8 NM do not fly NORTH below 3990' (3940').

SORLA
N47 16.0
E142 46.1KLYUCHI
[KLYCI]
N47 05.3 E142 39.5
At or above
3990' (3940')

UH(R)-1399

*505 PI
N46 56.2 E142 43.1
At or above
3990' (3940')At 710'
(660')ZALIV
N46 36.6 E142 27.3
At or above
FL70

SID

ROUTING

PEMEN 3
①

Climb straight ahead to 710' (660'), turn RIGHT, intercept 037° bearing to PI, turn LEFT, 016° bearing to SORLA, turn LEFT, 297° track to PEMEN, climbing to assigned FL.

PEMEN 3A
①②

Climb straight ahead to 710' (660'), turn RIGHT, intercept 037° bearing to PI, turn LEFT, 355° bearing to KLYUCHI, turn LEFT, 309° track to PEMEN, climbing to assigned FL.

PEMEN 3B
①②

Climb straight ahead to 710' (660'), turn RIGHT, 321° track to PEMEN, climbing to assigned FL.

PEMEN 3V
②

Climb straight ahead to 710' (660'), turn RIGHT, 225° track to ZALIV, turn RIGHT, 308° track to KENOM, turn RIGHT, 351° track to PEMEN, climbing to assigned FL.

① Available when UH(R)-1399 is not active.

② By ATC.

Apt Elev
59'

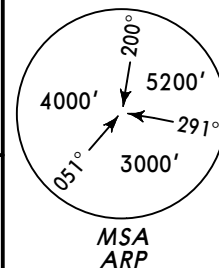
QNH on request (QFE)

Trans level: FL70

FL80 if pressure is less than 758 mm (1010.6 hPa)

FL90 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 5310' (5260')



PEMEN 5

PEMEN 5A [PEME5A]

BY ATC

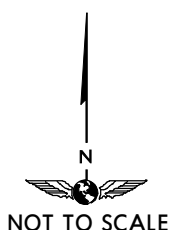
RWY 19 DEPARTURES

AVAILABLE WHEN UH(R)-1399 IS ACTIVE

CAT C & D

LISOL
N47 37.7
E140 53.0

PEMEN
N47 32.0 E141 26.1
FL by ATC



ALT/HEIGHT CONVERSION
QNH (QFE)
3990' (3940' - 1200m)
5310' (5260' - 1600m)

- 1 Beyond 13.5 NM from ARP do not fly below 3990' (3940').
- 2 020° from ARP between 3.8 NM and 22.7 NM do not fly EAST below 5310' (5260').
- 3 235° from ARP between 8.1 NM and 37.8 NM do not fly NORTH below 3990' (3940').

*505 PI
N46 56.2 E142 43.1
At or above
3990' (3940')

At or above
3990' (3940')
but not before
6.5 NM from
THR RWY 01

SID	ROUTING
PEMEN 5	Climb straight ahead, at or above 3990' (3940'), but not before 6.5 NM from THR RWY 01 turn RIGHT, intercept 030° bearing to PI, turn LEFT, 016° bearing to SORLA, turn LEFT, 297° track to PEMEN, climbing to assigned FL.
PEMEN 5A By ATC	Climb straight ahead, at or above 3990' (3940'), but not before 6.5 NM from THR RWY 01 turn RIGHT, intercept 030° bearing to PI, turn LEFT, 355° bearing to KLYUCHI, turn LEFT, 309° track to PEMEN, climbing to assigned FL.

Apt Elev
59'

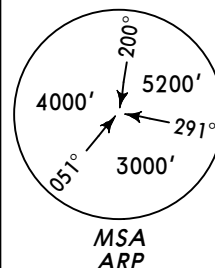
QNH on request (QFE)

Trans level: FL70

FL80 if pressure is less than 758 mm (1010.6 hPa)

FL90 if pressure is less than 731 mm (974.6 hPa).

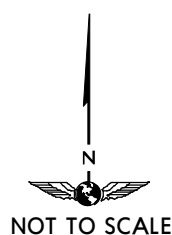
Trans alt: 5310' (5266')



PERUB 1 ①, PERUB 1A [PERUB 1A]

PERUB 7 ②③④

RWY 01 DEPARTURES



UH(R)-1399

N47 00.5 E142 43.2

At or above 3990' (3946')
but not before
6.5 NM from THR RWY 19

PERUB 1, 1A

Turn at
710' (666')

*505 SL

N46 50.0 E142 42.9

PERUB 1

At or above
2020' (1976')

PERUB 7

At or above
3990' (3946')

- ⑤ Beyond 13.5 NM from ARP do not fly below 3990' (3946').
- ⑥ 020° from ARP between 3.8 NM and 22.7 NM do not fly EAST below 5310' (5266').
- ⑦ 235° from ARP between 8.1 NM and 37.8 NM do not fly NORTH below 3990' (3946').

ALT/HEIGHT CONVERSION

QNH	(QFE)
710'	(666' - 200m)
2020'	(1976' - 600m)
3990'	(3946' - 1200m)
5310'	(5266' - 1600m)

PERUB

N46 20.0 E142 17.2

At or above
FL80

SID

ROUTING

PERUB 1
①

Climb straight ahead to 710' (666'), turn LEFT, intercept 148° bearing to SL, turn RIGHT, 221° bearing to PERUB.

PERUB 1A

Climb straight ahead to 710' (666'), turn LEFT, 192° track to abeam SL, turn RIGHT, 215° track to PERUB.

PERUB 7
②③④

Climb straight ahead, at or above 3990' (3946'), but not before 6.5 NM from THR RWY 19 turn LEFT to SL, turn RIGHT, 221° bearing to PERUB.

Available when UH(R)-1399 ① is not active/ ② is active. ③ By ATC. ④ CAT C & D.

Apt Elev
59'

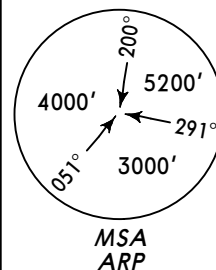
QNH on request (QFE)

Trans level: FL70

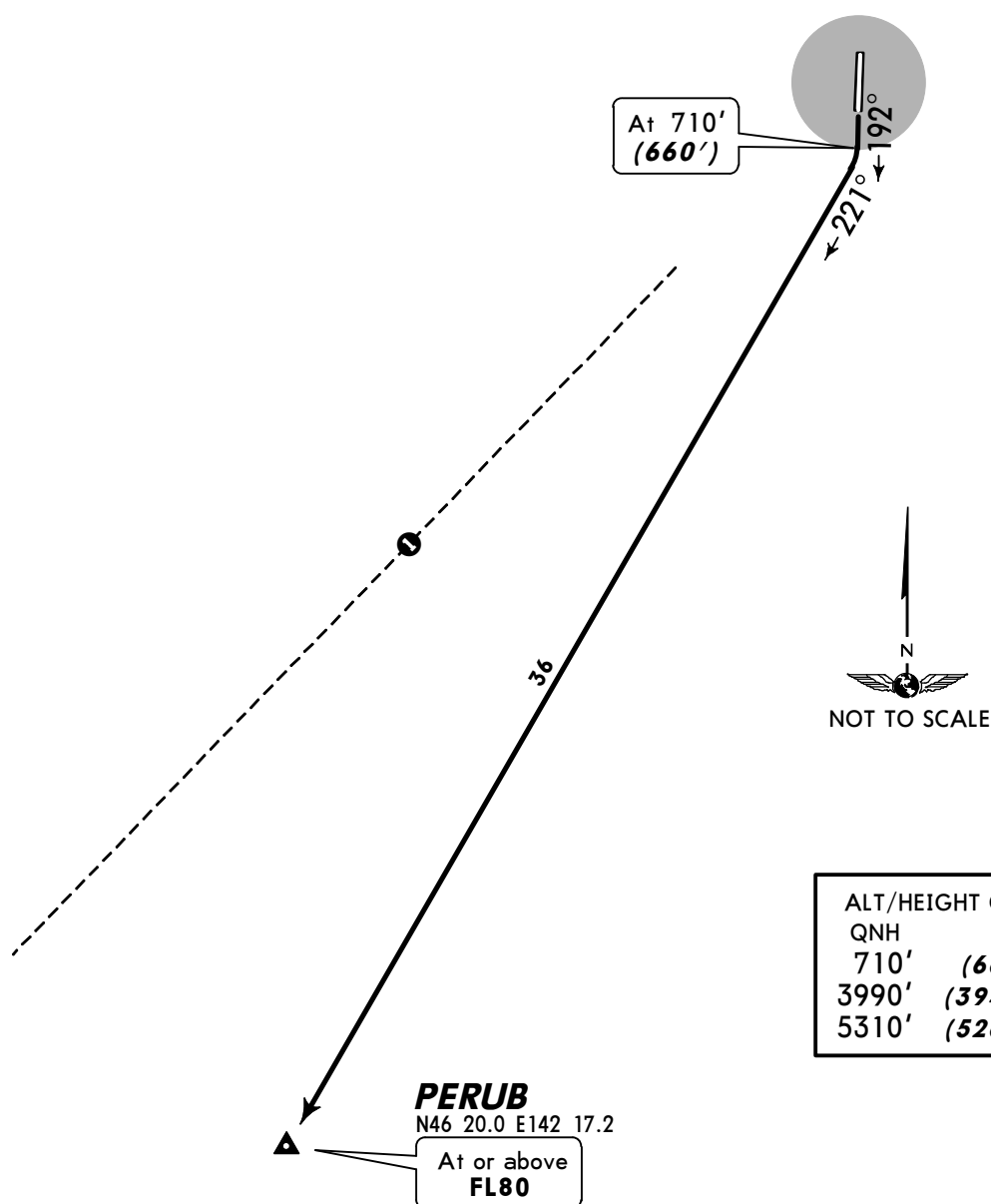
FL80 if pressure is less than 758 mm (1010.6 hPa)

FL90 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 5310' (5260')

PERUB 3
RWY 19 DEPARTURE

- ① 235° from ARP between
8.1 NM and 37.8 NM do not
fly NORTH below 3990' (3940').



ALT/HEIGHT CONVERSION	
QNH	(QFE)
710'	(660' - 200m)
3990'	(3940' - 1200m)
5310'	(5260' - 1600m)

ROUTING

Climb straight ahead to 710' (660'), turn RIGHT, 221° track to PERUB.

Apt Elev
59'

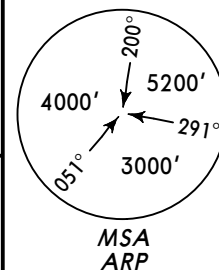
QNH on request (QFE)

Trans level: FL70

FL80 if pressure is less than 758 mm (1010.6 hPa)

FL90 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 5310' (5266')



VIBIR 1

RWY 01 DEPARTURE

ONLY FOR RUSSIAN USERS OF AIRSPACE

VIBIR
N47 51.0 E142 31.1At or above
FL80

ALT/HEIGHT CONVERSION

QNH (QFE)

710' (666' - 200m)

3990' (3946' - 1200m)

5310' (5266' - 1600m)

- 1 Beyond 13.5 NM from ARP do not fly below 3990' (3946').
- 2 020° from ARP between 3.8 NM and 22.7 NM do not fly EAST below 5310' (5266').

At 710'
(666')

ROUTING

Climb straight ahead to 710' (666'), turn RIGHT, 016° track to SORLA, turn LEFT, 354° track to VIBIR.

Apt Elev
59'

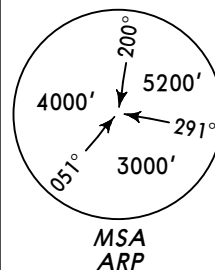
QNH on request (QFE)

Trans level: FL70

FL80 if pressure is less than 758 mm (1010.6 hPa)

FL90 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 5310' (5260')

**VIBIR 3**

AVAILABLE WHEN UH(R)-1399 IS NOT ACTIVE

VIBIR 5

AVAILABLE WHEN UH(R)-1399 IS ACTIVE

BY ATC

CAT C & D

RWY 19 DEPARTURES

ONLY FOR RUSSIAN USERS OF AIRSPACE

- 1 Beyond 13.5 NM from ARP do not fly below 3990' (3940').
- 2 020° from ARP between 3.8 NM and 22.7 NM do not fly EAST below 5310' (5260').

ALT/HEIGHT CONVERSION

QNH (QFE)

710' (660' - 200m)

3990' (3940' - 1200m)

5310' (5260' - 1600m)



UH(R)-1399

VIBIR

N47 51.0 E142 31.1

At or above
FL80**SORLA**

N47 16.0 E142 46.1

***505 PI**

N46 56.2 E142 43.1

At or above
3990' (3940')**VIBIR 3**Turn at
710' (660')

N46 45.8 E142 42.9

At or above
3990' (3940')
but not before
6.5 NM from
THR RWY 01**SID****ROUTING****VIBIR 3**

Climb straight ahead to 710' (660'), turn RIGHT, intercept 037° bearing to PI, turn LEFT, 016° bearing to SORLA, turn LEFT, 354° track to VIBIR.

VIBIR 5
By ATC

Climb straight ahead, at or above 3990' (3940'), but not before 6.5NM from THR RWY 01 turn RIGHT, intercept 030° bearing to PI, turn LEFT, 016° bearing to SORLA, turn LEFT, 354° track to VIBIR.

Apt Elev
59'

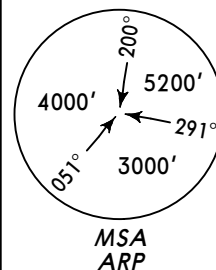
QNH on request (QFE)

Trans level: FL70

FL80 if pressure is less than 758 mm (1010.6 hPa)

FL90 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 5310' (5266')



ZUBAN 1

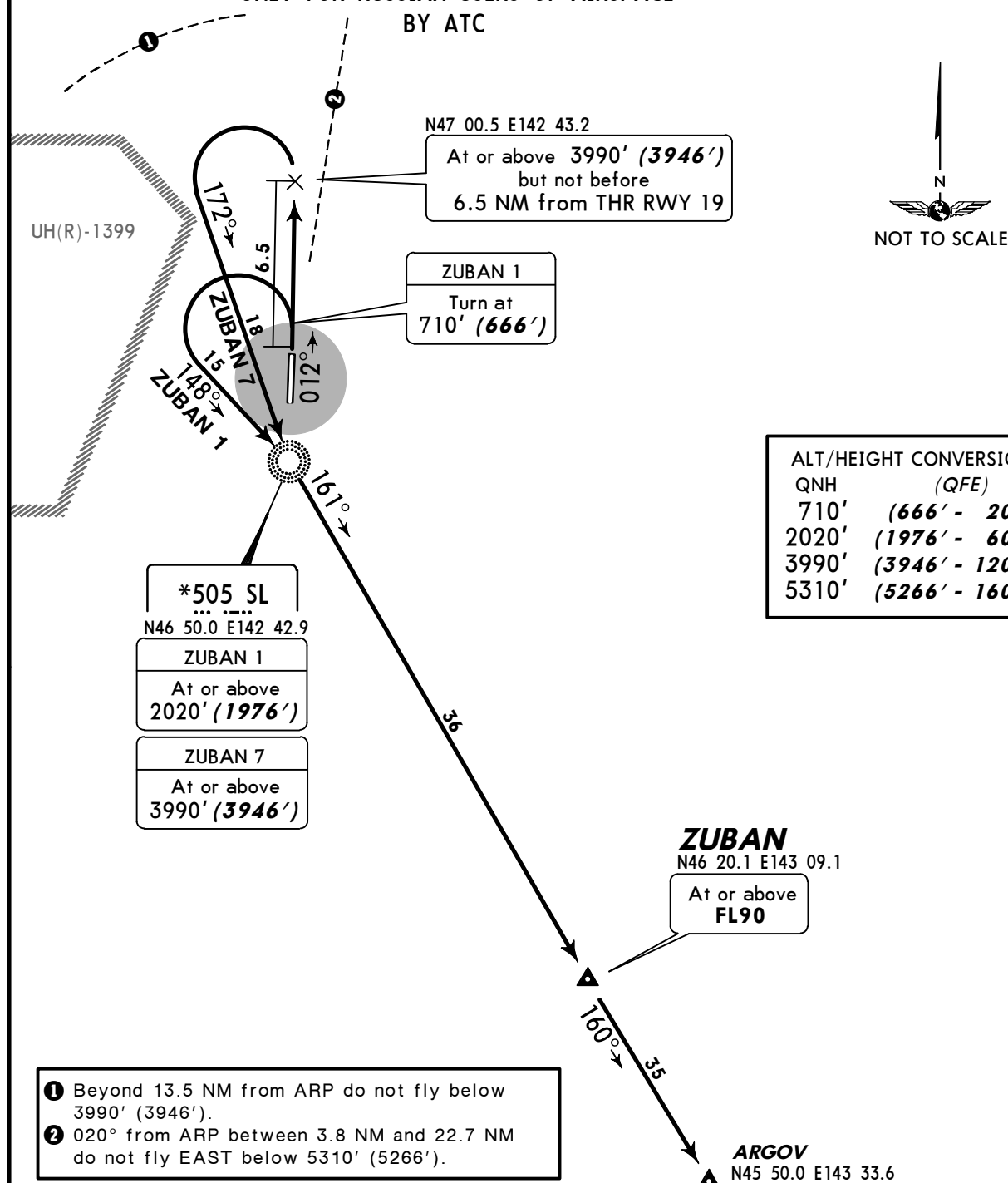
AVAILABLE WHEN UH(R)-1399 IS NOT ACTIVE

ZUBAN 7

AVAILABLE WHEN UH(R)-1399 IS ACTIVE

CAT C & D

RWY 01 DEPARTURES

ONLY FOR RUSSIAN USERS OF AIRSPACE
BY ATC

- 1 Beyond 13.5 NM from ARP do not fly below 3990' (3946').
- 2 020° from ARP between 3.8 NM and 22.7 NM do not fly EAST below 5310' (5266').

SID

ROUTING

ZUBAN 1

Climb straight ahead to 710' (666'), turn LEFT, intercept 148° bearing to SL, turn RIGHT, 161° bearing to ZUBAN.

ZUBAN 7

Climb straight ahead, at or above 3990' (3946'), but not before 6.5 NM from THR RWY 19 turn LEFT to SL, turn RIGHT, 161° bearing to ZUBAN.

Apt Elev
59'

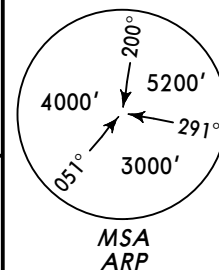
QNH on request (QFE)

Trans level: FL70

FL80 if pressure is less than 758 mm (1010.6 hPa)

FL90 if pressure is less than 731 mm (974.6 hPa).

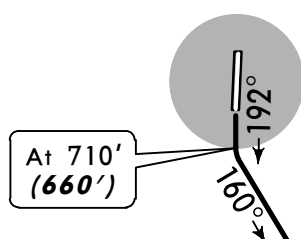
Trans alt: 5310' (5260')



ZUBAN 3

RWY 19 DEPARTURE

ONLY FOR RUSSIAN USERS OF AIRSPACE



ALT/HEIGHT CONVERSION	
QNH	(QFE)
710'	(660' - 200m)
5310'	(5260' - 1600m)

ZUBAN
N46 20.1 E143 09.1
At or above
FL90



3.5



ARGOV
N45 50.0 E143 33.6

ROUTING

Climb straight ahead to 710' (660'), turn LEFT, 160° track to ZUBAN.

UHSS/UUS

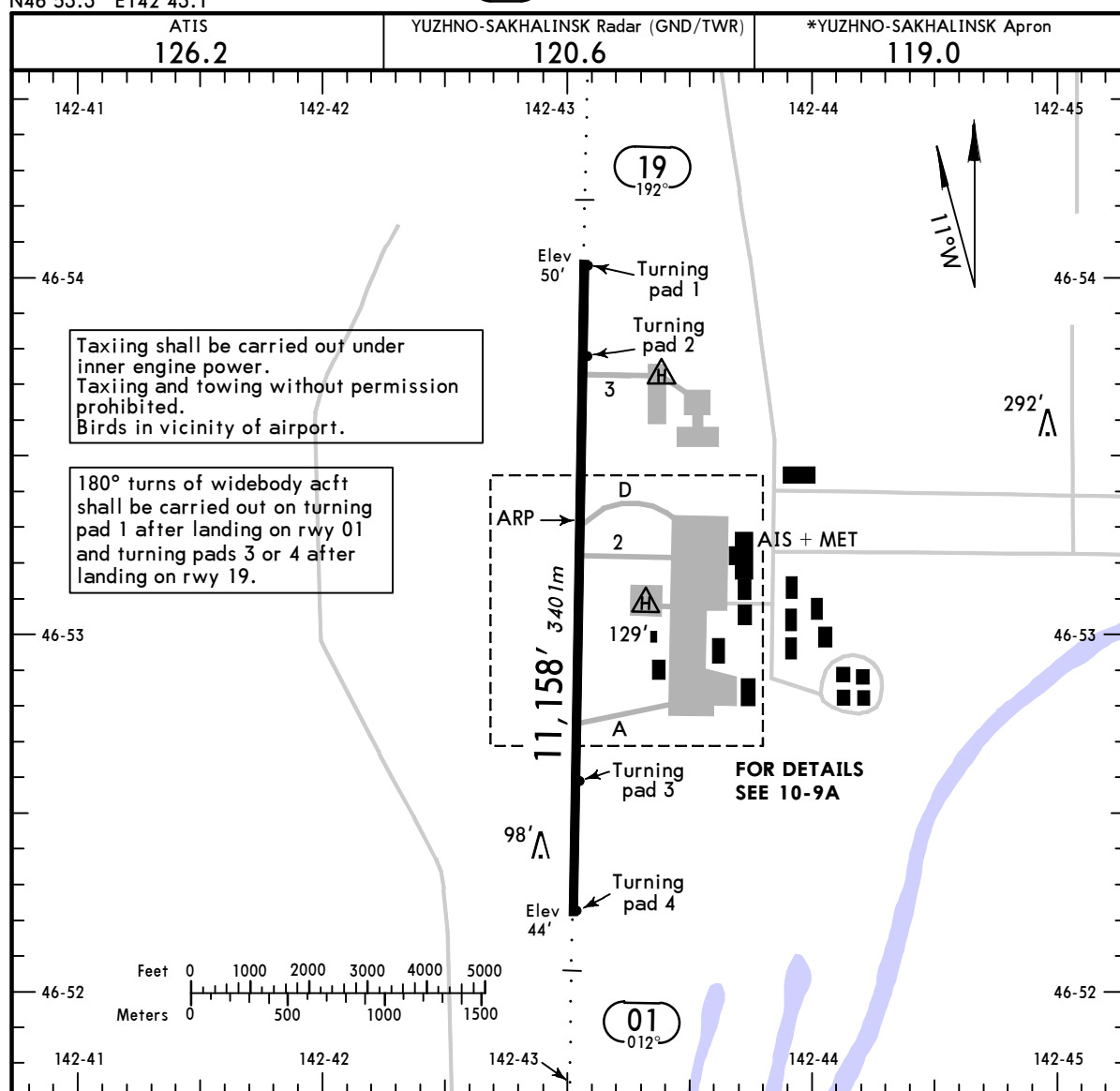
Apt Elev 59'
N46 53.3 E142 43.1

YEZHNO-SAKHALINSK, RUSSIA

18 OCT 13

(10-9)

KHOMUTOVO



ADDITIONAL RUNWAY INFORMATION

					USABLE LENGTHS		TAKE-OFF	WIDTH
					LANDING BEYOND			
RWY					Threshold	Glide Slope		
01	RL (60m)	ALS	RVR			10,186' 3105m		148'
19	RL (60m)	ALS	PAPI-L (angle 3.0°) RVR			10,125' 3086m	①	45m

① TAKE-OFF RUN AVAILABLE

RWY 01:	From rwy head	11,158' (3401m)	RWY 19:	From rwy head	11,158' (3401m)
	turning pad 3	8530' (2600m)		turning pad 2	9186' (2800m)
	twy A int	7710' (2350m)		twy D int	7513' (2290m)
	twy 2 int	4757' (1450m)		twy 2 int	6069' (1850m)
	twy D int	3314' (1010m)		twy A int	3117' (950m)

LOW VISIBILITY PROCEDURES

Procedures are applied when RVR 600m or less. ATC will inform pilots using phraseology: "LVP in progress. Check your minima." Pilots are responsible for rwy incursion and deviation from assigned taxi route.

During LVP following procedure prohibited:

- Take-off other than from rwy beginning.
- Take-off without stop on line-up position.

TAKE-OFF

AIR CARRIER (JAA)
All Rwys

LVP must be in force
RCLM (DAY only)
or RL

RCLM (DAY only)
or RL

A
B
C
D

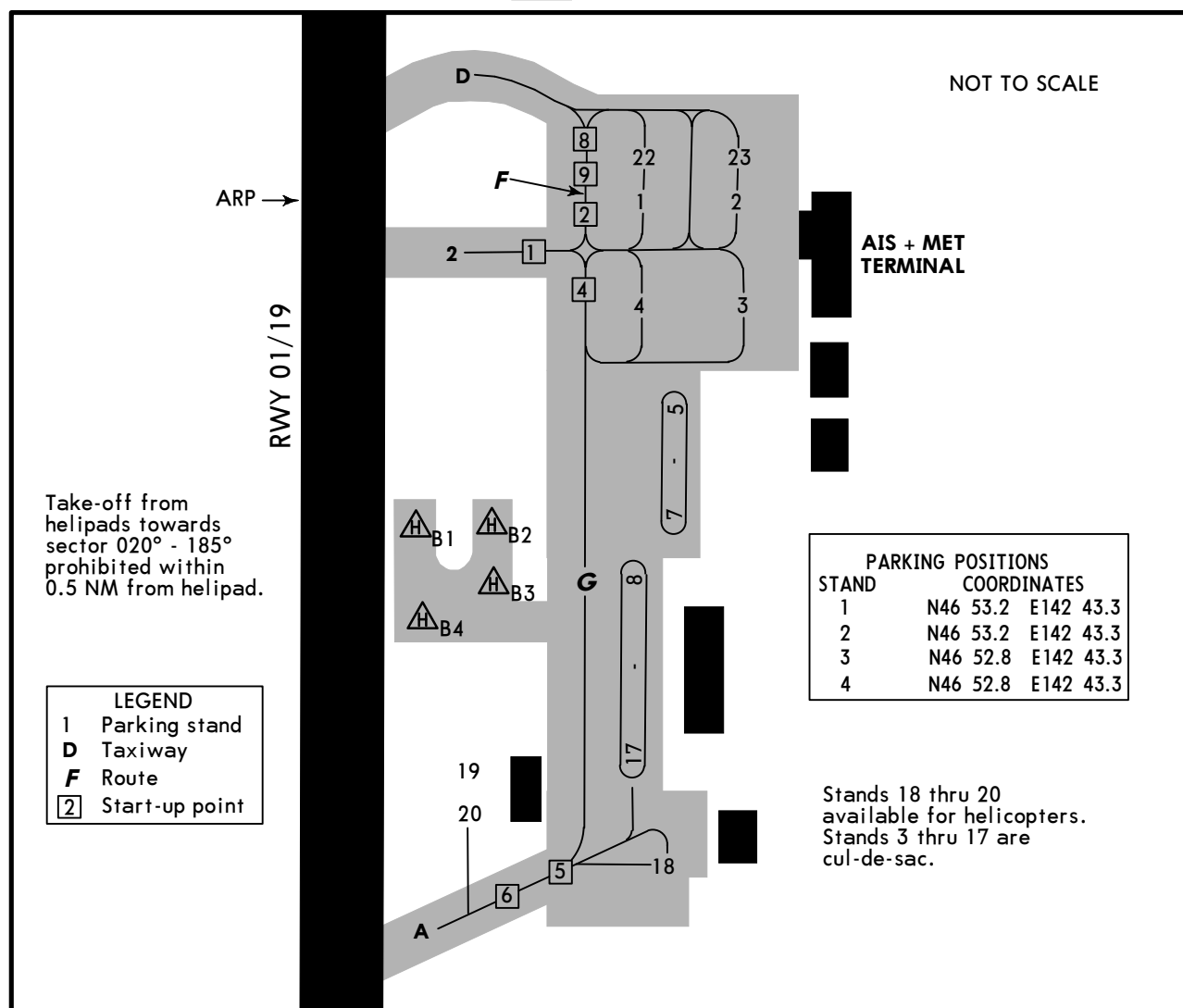
250m

400m

300m

CHANGES: Twy renamed.

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STRAIGHT-IN RWY		A	B	C	D
01	ILS	244'(200') R1000m	244'(200') R1000m	244'(200') R1000m	244'(200') R1000m
	ALS out	R1200m	R1200m	R1200m	R1200m
	LOC	NOT AUTH	NOT AUTH	NOT AUTH	NOT AUTH
	2 NDB ❶ with FAF ALS out	370'(326') R1300m R1500m	370'(326') R1300m R1500m	370'(326') R1300m R1500m	370'(326') R1300m R1500m
	SL NDB ❶ with FAF	920'(876') R1500m	920'(876') R1500m	920'(875') C2400m	920'(875') C2400m
	2 NDB or SL NDB ❶❷ w/o FAF	1110'(1066') R1500m	1110'(1066') R1500m	1110'(1066') C2400m	1110'(1066') C2400m
	2 NDB or SL NDB ❸ w/o FAF ALS out	1110'(1066') C4800m C5000m	1110'(1066') C4800m C5000m	1110'(1066') C5000m C5000m	1110'(1066') C5000m C5000m
	S NDB ❶ with FAF ALS out	560'(516') R1500m R1500m	560'(516') R1500m R1500m	560'(516') C2100m C2400m	560'(516') C2100m C2400m
	NDB w/o FAF ALS out	1110'(1066') C4800m C5000m	1110'(1066') C4800m C5000m	1110'(1066') C5000m C5000m	1110'(1066') C5000m C5000m
19	ILS	250'(200') R1000m	250'(200') R1000m	250'(200') R1000m	250'(200') R1000m
	ALS out	R1200m	R1200m	R1200m	R1200m
	LOC	NOT AUTH	NOT AUTH	NOT AUTH	NOT AUTH
	2 NDB ❶ with FAF ALS out	420'(370') R1500m R1500m	420'(370') R1500m R1500m	420'(370') R1500m R1700m	420'(370') R1500m R1700m
	PI NDB ❶ with FAF	1150'(1100') R1500m	1150'(1100') R1500m	1150'(1100') C4600m	1150'(1100') C4900m
	2 NDB or PI NDB ❶❷ w/o FAF	2110'(2060') C5000m	2110'(2060') C5000m	2110'(2060') C5000m	2110'(2060') C5000m
	2 NDB or PI NDB ❸ w/o FAF	2110'(2060') C5000m	2110'(2060') C5000m	2110'(2060') C5000m	2110'(2060') C5000m
	P NDB ❶ with FAF	1280'(1230') C5000m	1280'(1230') C5000m	1280'(1230') C5000m	1280'(1230') C5000m
	P NDB w/o FAF	2120'(2070') C5000m	2120'(2070') C5000m	2120'(2070') C5000m	2120'(2070') C5000m

❶ Continuous Descent Final Approach.

❷ With FMS.

❸ W/o FMS.

TAKE-OFF RWY 01, 19

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

CHANGES: Minimums.

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Eff 2 May

YUZHNO-SAKHALINSK Tower

120.6

Apt Elev 59'

RWY 44'

MSA ARP

Trans alt: 5310' (**5266'**)

710' (666' - 200m)

MAX FL 140

RWY 01 **44'**

Refer to
Missed Apch
above

ALS out

NOT AUTHORIZED

Alt Set: MM(hPa on req) QNH on req (**QFE**) Trans level: FL 70 **2** Trans alt: 5310' (**5260'**)

MSA ARP

192° * 111.7 IPI *ILS DME*

UH(R)-1399

ABEAM
at 3990'
(3940')

ALT/HEIGHT CONVERSION
QNH (QFE)

5310'	(5260' - 1600m)
3990'	(3940' - 1200m)
3010'	(2960' - 900m)
710'	(660' - 200m)

LMM
.....
GS 296' (246')

LOM
GS 788' (738')

$$\begin{array}{r} 3010' \\ - (2960') \\ \hline \end{array}$$

intercept
final

RWY 19 50'

	ALSO
PAPI	⋮
	⋮
	⋮
	⋮

Refer to
Missed Apch
above

STRAIGHT-IN LANDING RWY 19

ILS

LOC (GS out)

 $DA(H) \ 250' (200')$

FULL

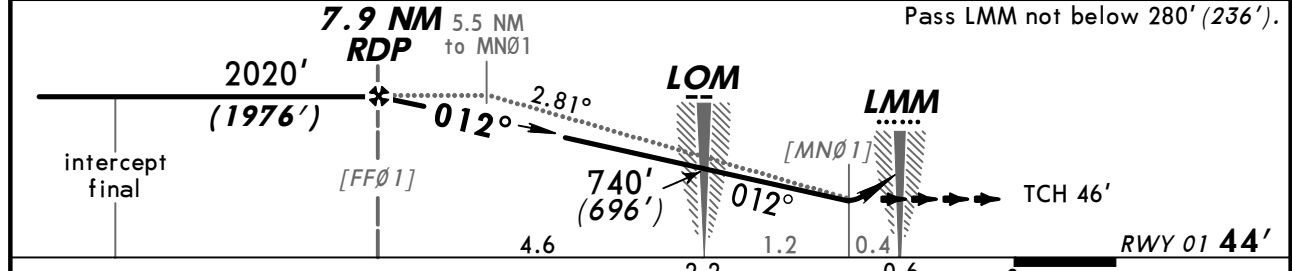
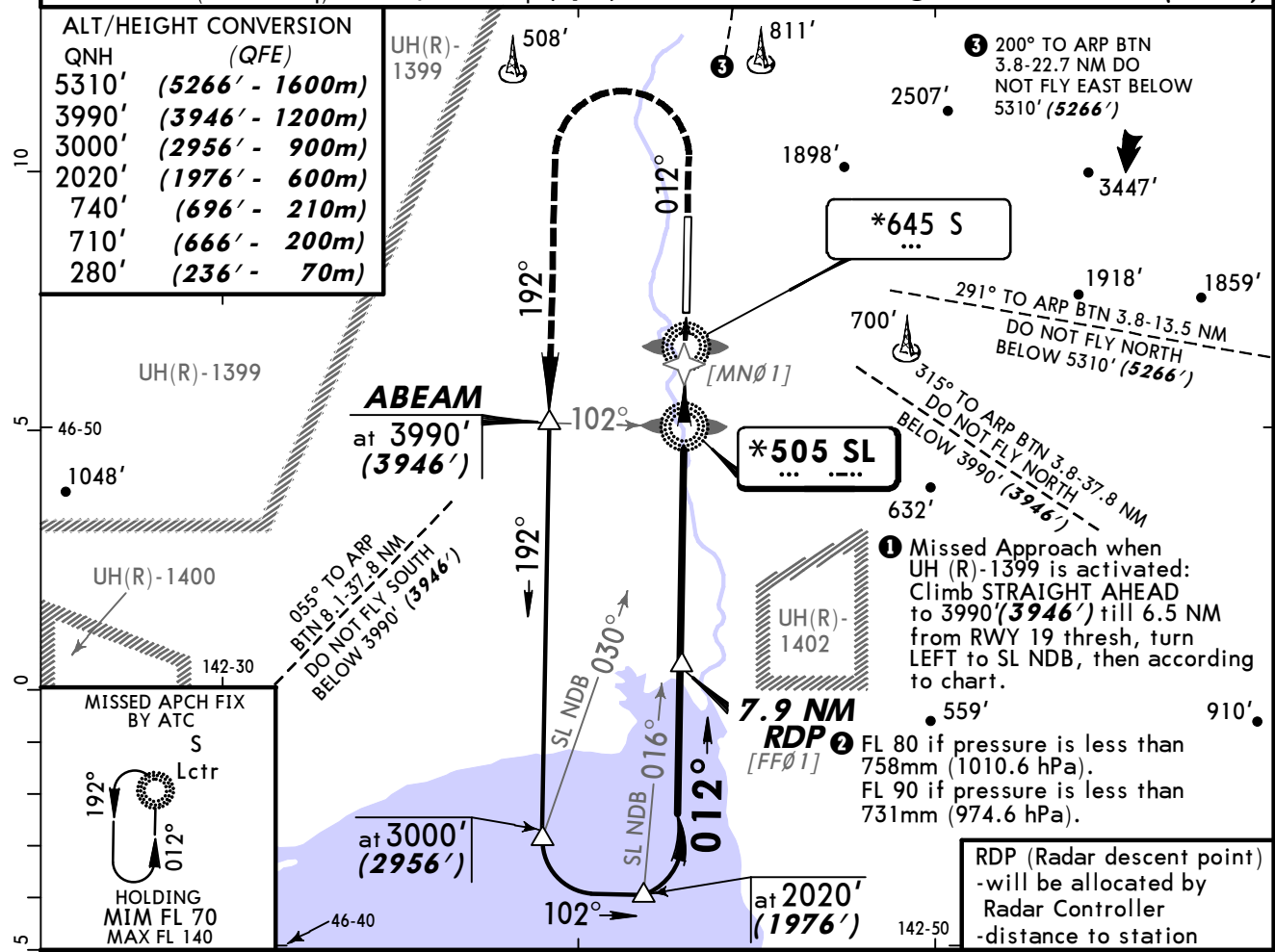
ALS out

1200m

NOT AUTHORIZED

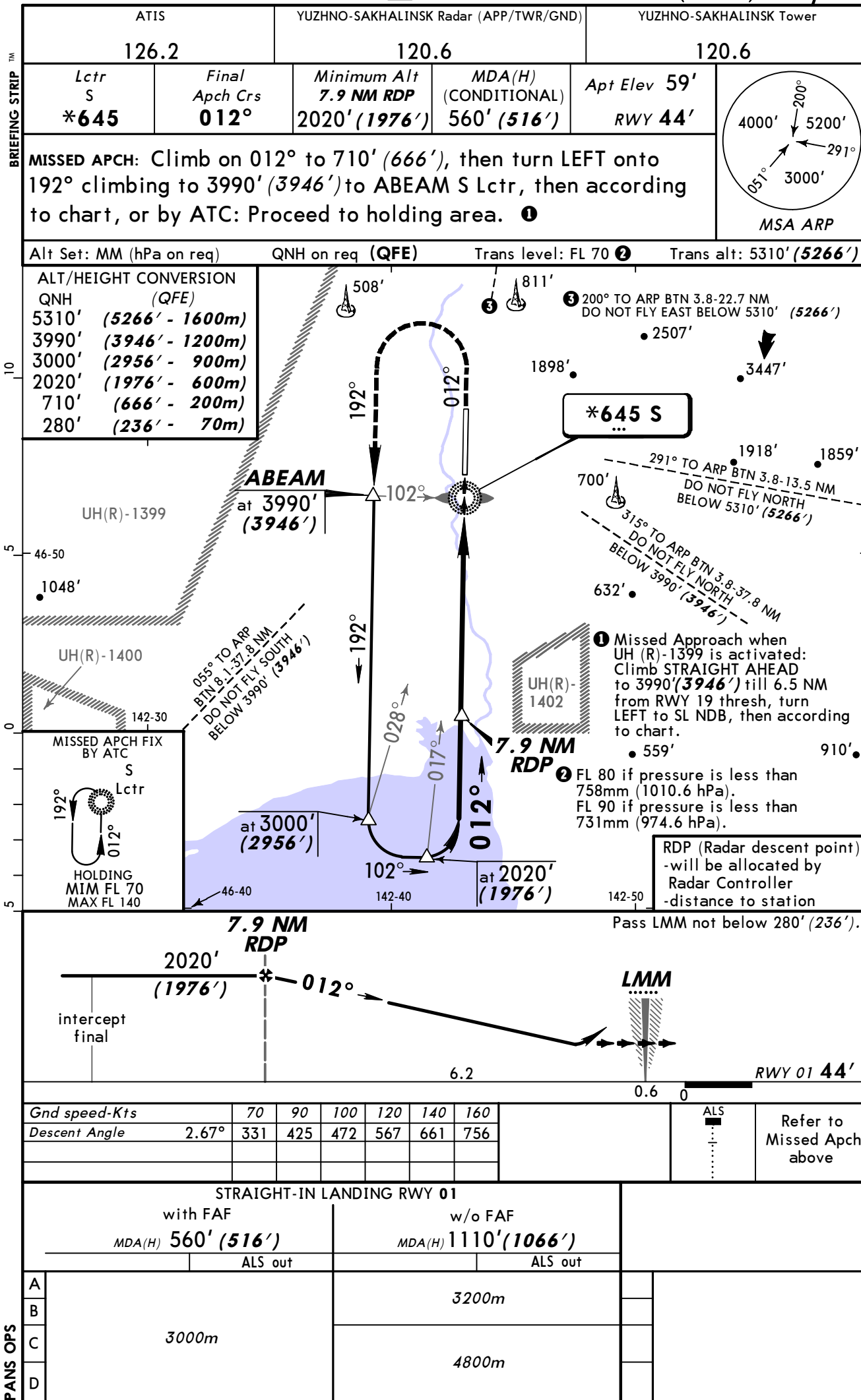
ATIS		YUZHNO-SAKHALINSK Radar (APP/TWR/GND)		YUZHNO-SAKHALINSK Tower	
126.2		120.6		120.6	
NDB SL *505	Final Apch Crs 012°	Minimum Alt 7.9 NM RDP 2020' (1976')	MDA(H) Refer to Minimums	Apt Elev 59' RWY 44'	 MSA ARP
MISSED APCH: Climb on 012° to 710' (666'), then turn LEFT onto 192° climbing to 3990' (3946') to ABEAM SL NDB, then according to chart, or by ATC: Proceed to holding area. ①					
Alt Set: MM (hPa on req)		QNH on req (QFE)		Trans level: FL 70 ②	
				Trans alt: 5310' (5266')	

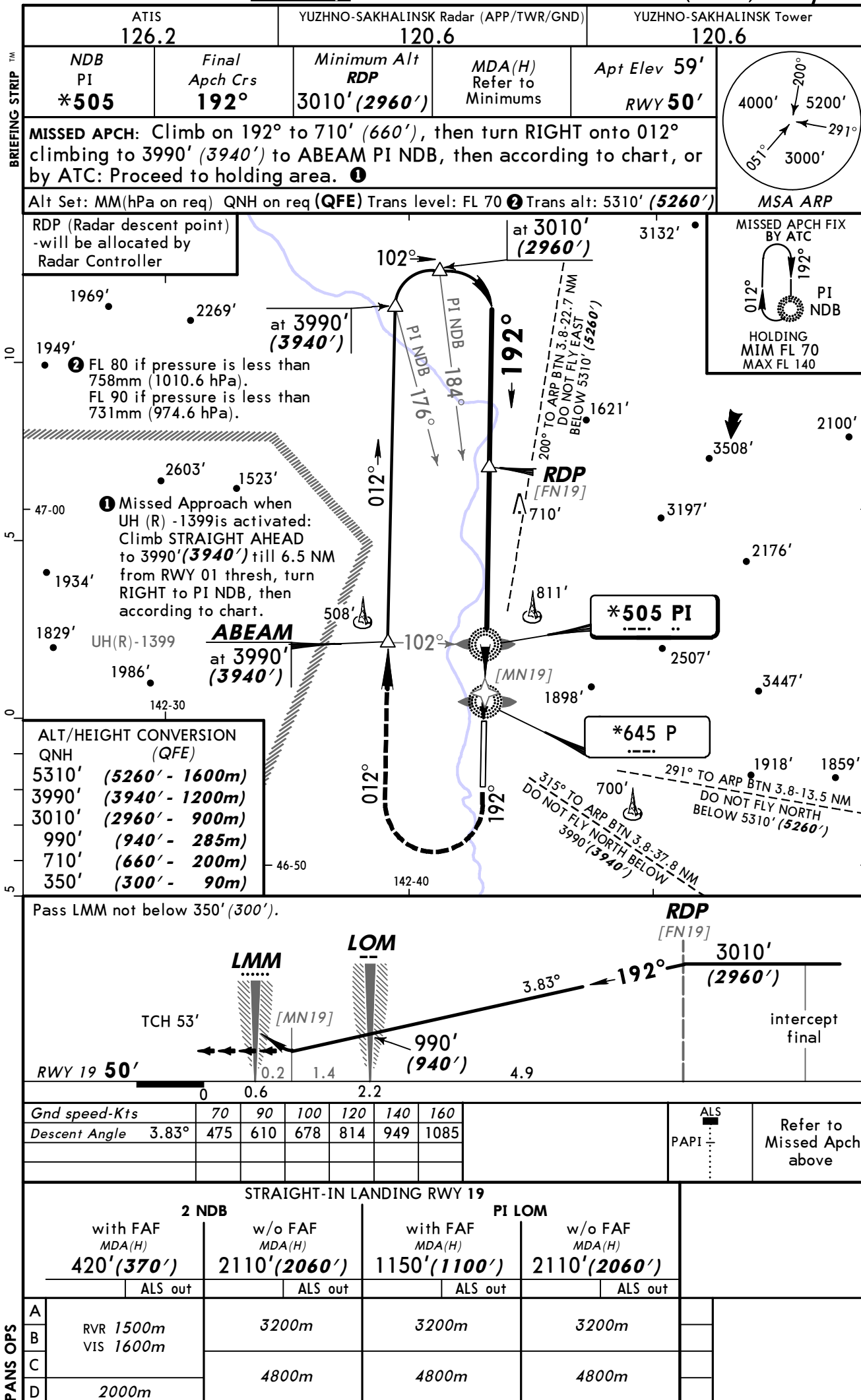
ALT/HEIGHT CONVERSION	
QNH	(QFE)
5310'	(5266' - 1600m)
3990'	(3946' - 1200m)
3000'	(2956' - 900m)
2020'	(1976' - 600m)
740'	(696' - 210m)
710'	(666' - 200m)
280'	(236' - 70m)

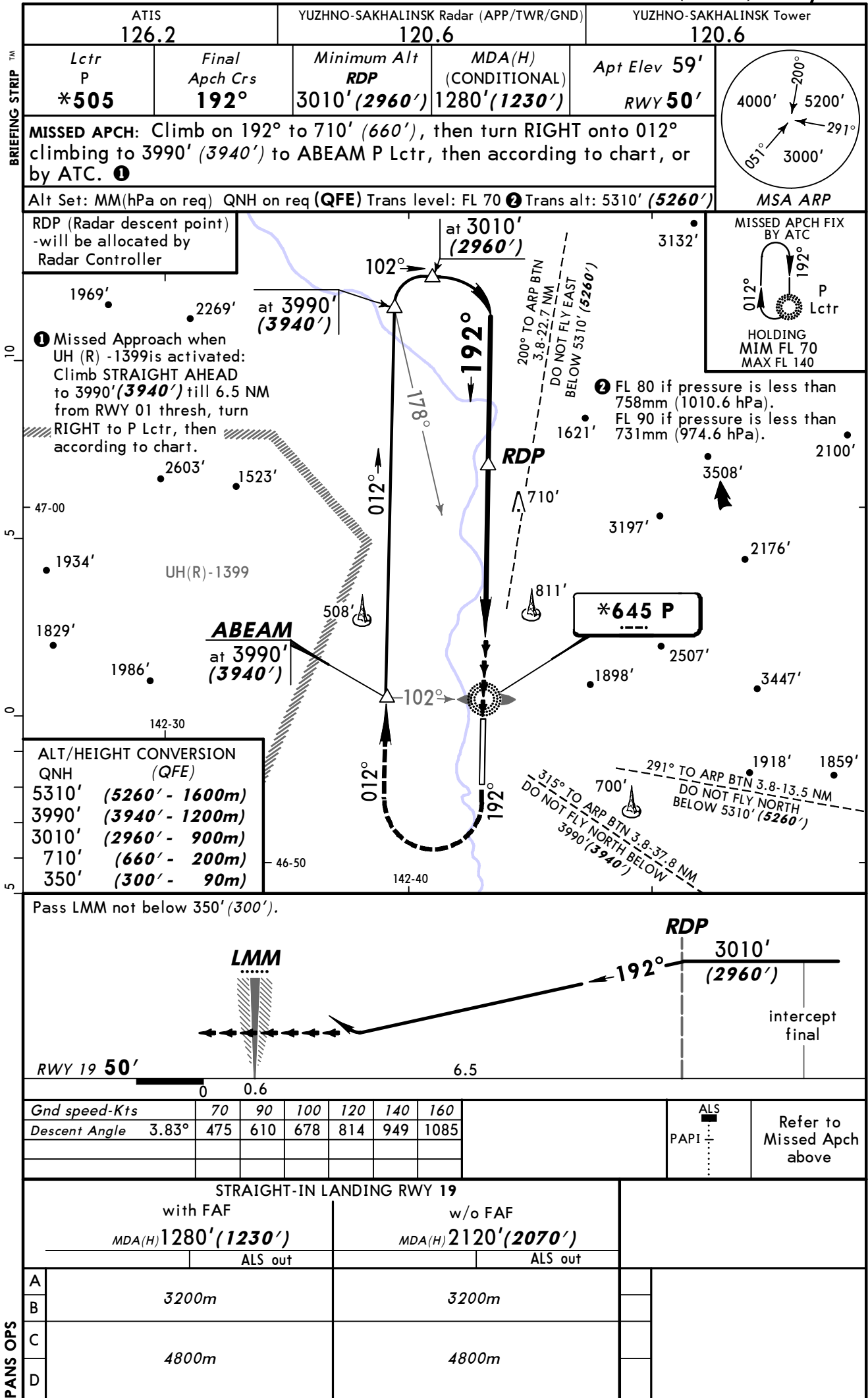


Gnd speed-Kts	70	90	100	120	140	160	ALS	Refer to Missed Apch above
Descent Angle	2.81°	348	447	497	596	696		

STRAIGHT-IN LANDING RWY 01					
2 NDB		SL LOM			
with FAF MDA(H)	w/o FAF MDA(H)	with FAF MDA(H)	w/o FAF MDA(H)	ALS out	ALS out
370' (326')	1110' (1066')	920' (876')	1110' (1066')		
PANS OPS	RVR 1500m VIS 1600m	3200m	3200m	3200m	
		4800m	4000m	4800m	
			4400m		







YUZHNO-SAKHALINSK, (KHOMUTOVO - UHSS)

TERMINAL CHART CHANGE NOTICES

No Chart Change Notices for Airport UHSS