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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: 1940 Z
Sunset: 0923 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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ODONA 2A, PEMEN 2A (CAT C & D)	10-2T2
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ODONA 8, PEMEN 8 (CAT C & D)	10-2T8
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FOR FURTHER STAR DESIGNATION REFER TO PAGE 10-2A	

STAR DESIGNATION	REFER TO CHART
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LIKON 4, 4V, 6 (CAT C & D)	10-2V5
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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).

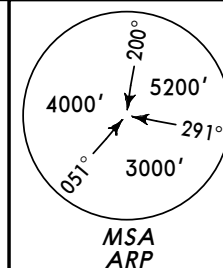
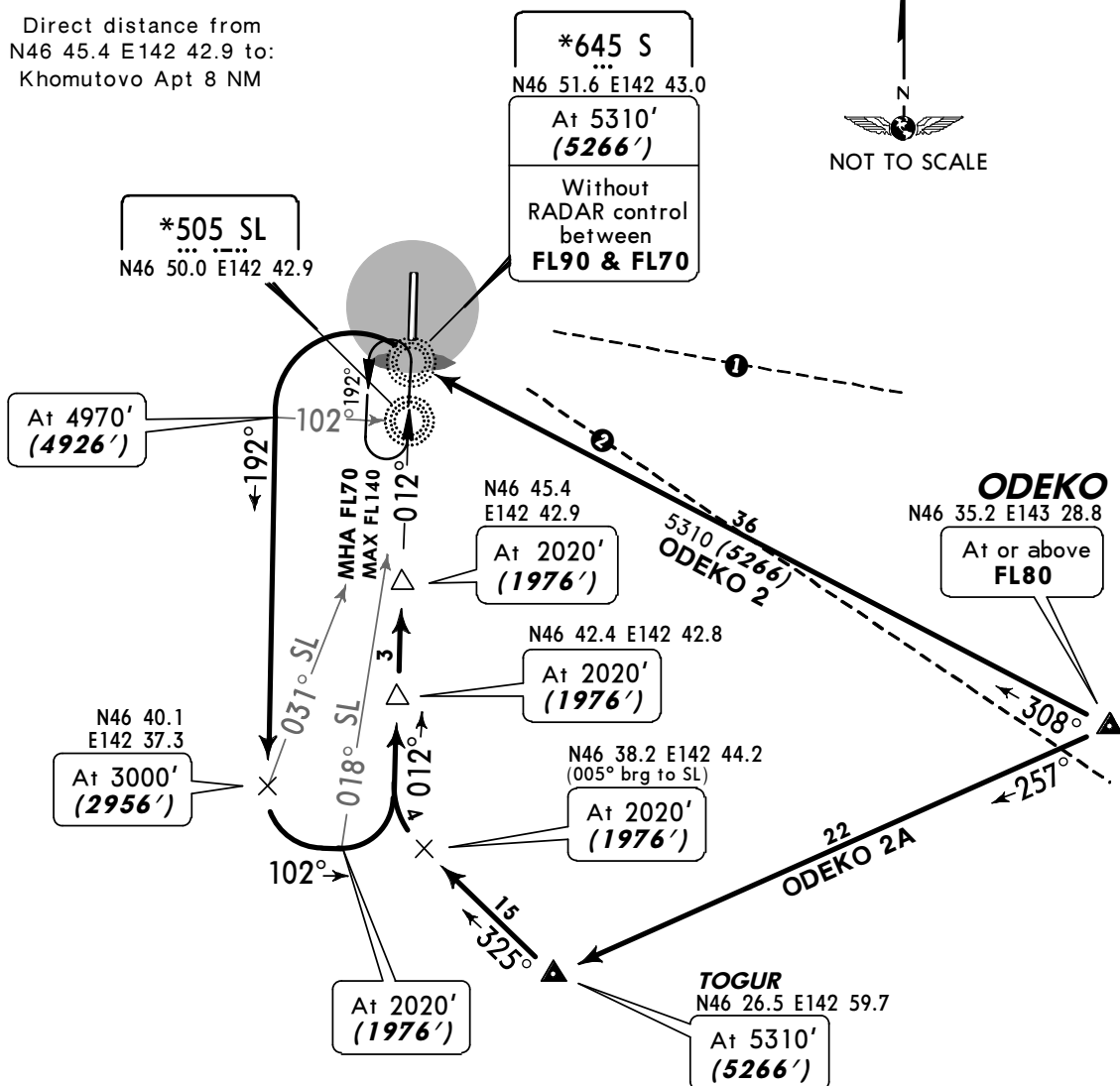
Trans alt: 5310' (5266')

ODEKO 2

ODEKO 2A [ODEK2A]
ONLY FOR RUSSIAN USERS OF AIRSPACE
BY ATC

RWY 01 ARRIVALS

CAT C & D

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').

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')

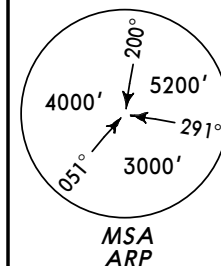
ODEKO 2

ODEKO 2A

ONLY FOR RUSSIAN USERS OF AIRSPACE
BY ATC

RWY 01 ARRIVALS

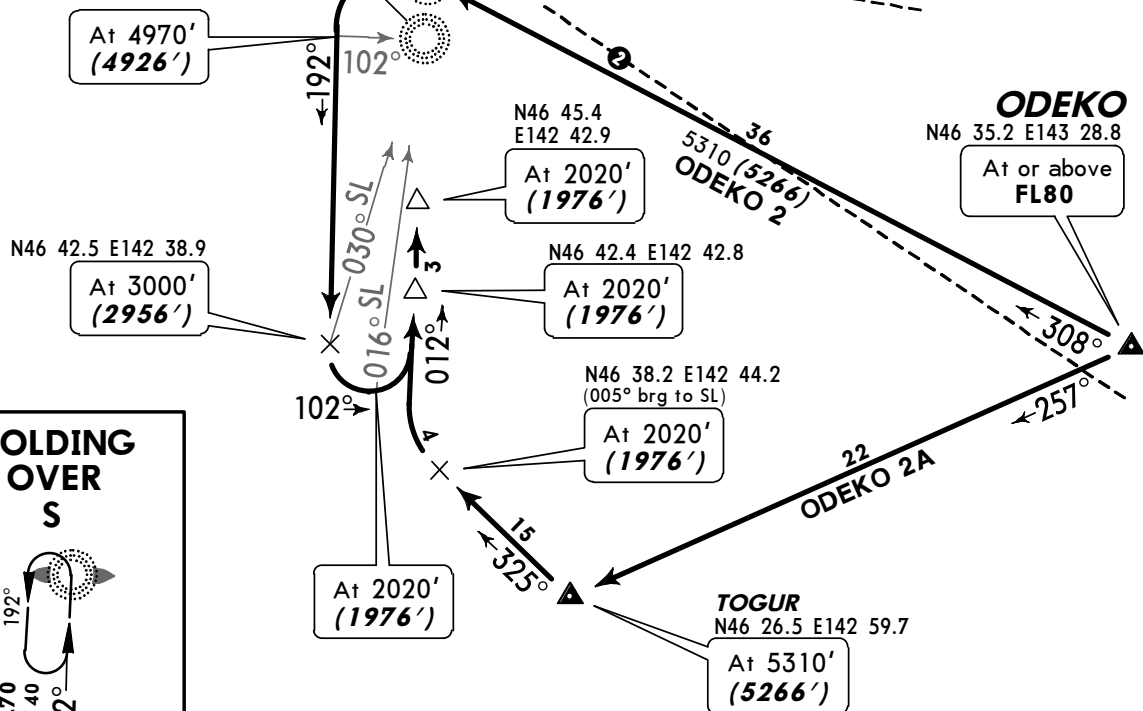
CAT A & B



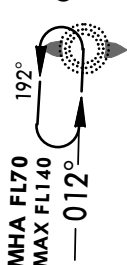
Direct distance from
N46 45.4 E142 42.9 to:
Khomutovo Apt 8 NM

*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



HOLDING
OVER
S



- 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').

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

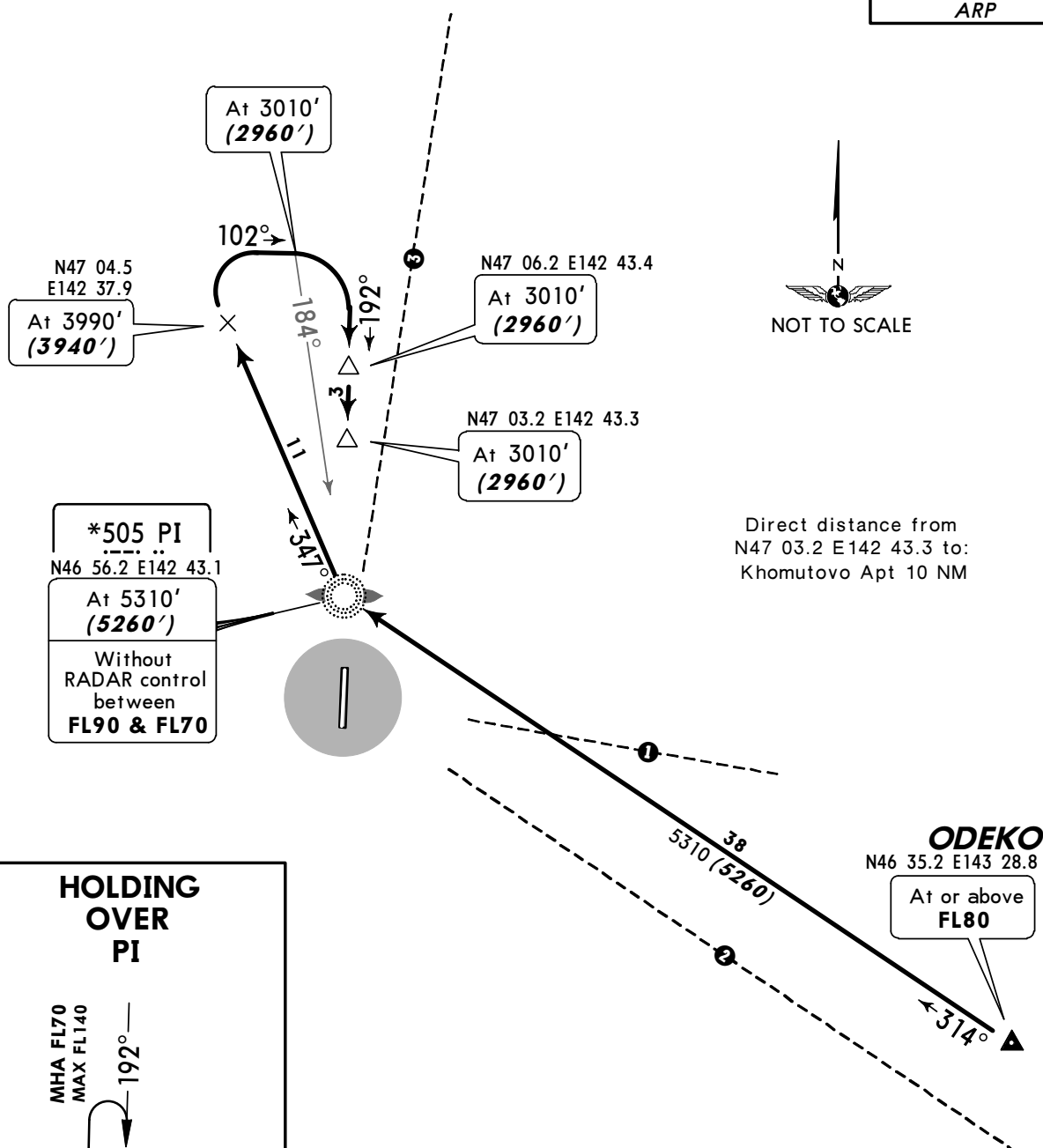
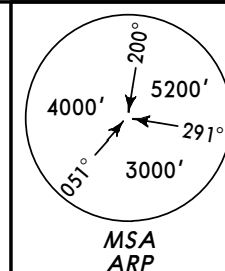
On 257° track to TOGUR, turn RIGHT, 325° track to N46 38.2 E142 44.2 (005° bearing to SL), turn on 012° track to N46 45.4 E142 42.9.

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')

ODEKO 4
RWY 19 ARRIVAL

CAT C & D



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

HOLDING
OVER
PI

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

- 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

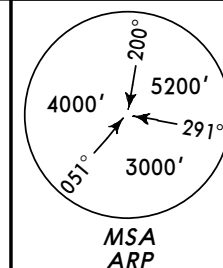
Intercept 314° bearing to PI, turn RIGHT, 347° bearing to N47 04.5 E142 37.9, turn RIGHT, 102° track, when passing 184° bearing to PI turn RIGHT, 192° track to N47 03.2 E142 43.3.

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')

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 NM

HOLDING
OVER
PI

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

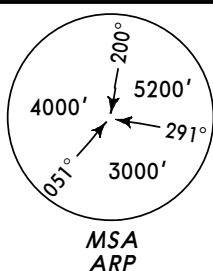
ODEKO
N46 35.2 E143 28.8At or above
FL80

- 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

At 5310'
(5266')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
FL80

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

N45 50.0 E143 33.6

ARGOV

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

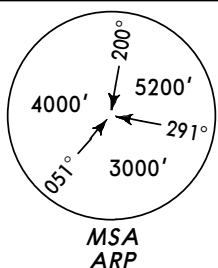
Intercept 341° bearing to S, turn RIGHT, 223° track to N46 40.1 E142 37.3, turn LEFT, 102° track, when passing 018° bearing to SL turn on 012° track to N46 45.4 E142 42.9.

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

ATIS
126.2

Apt 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')**



ZUBAN 2, ZUBAN 2A
RWY 01 ARRIVALS
ONLY FOR RUSSIAN USERS OF AIRSPACE

BY ATC

CAT A & B

*645 S

N46 51.6 E142 43.0

At 5310'

(5266')

Without
RADAR control
between
FL90 & FL70

*505 SL

N46 50.0 E142 42.9

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 5510
(5266')

ZUBAN

ZUDAN
N46 20.1 E143 09.1

At or above
FL80

ALT/HEIGHT CONVERSION

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

- ❶ 291° to ARP between 13.5 NM and 3.8 NM do not fly NORTH below 5310' (5266').
- ❷ 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.

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')

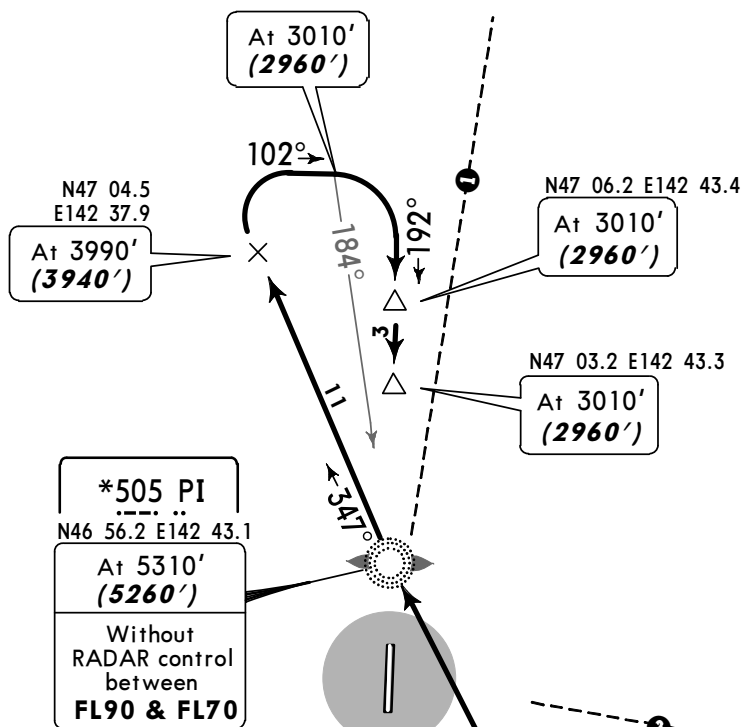
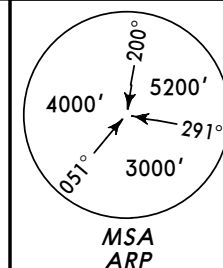
ZUBAN 4

RWY 19 ARRIVAL

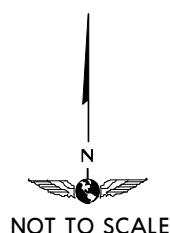
ONLY FOR RUSSIAN USERS OF AIRSPACE

BY ATC

CAT C & D

Direct 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

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

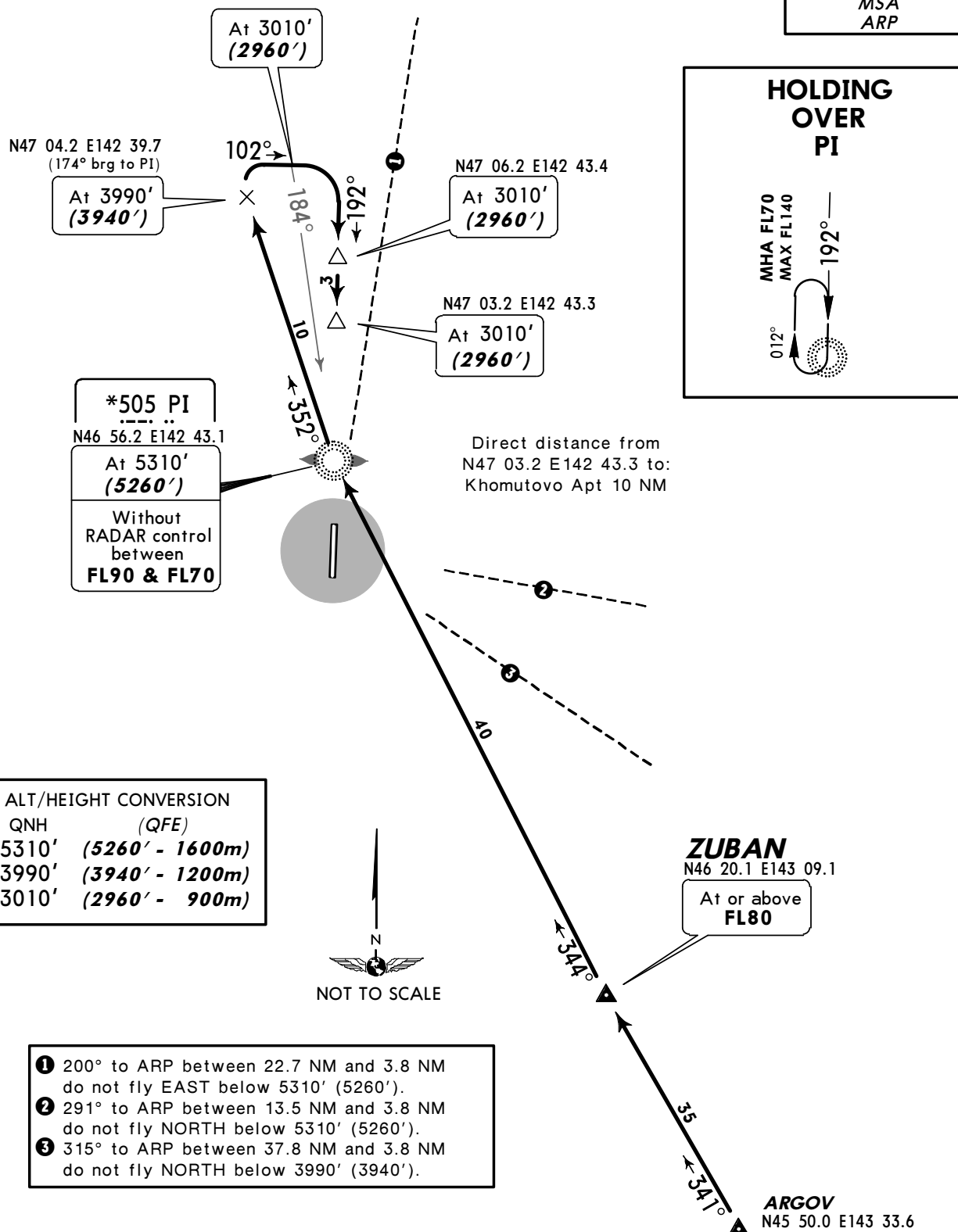
ZUBAN 4

RWY 19 ARRIVAL

ONLY FOR RUSSIAN USERS OF AIRSPACE

BY ATC

CAT A & B

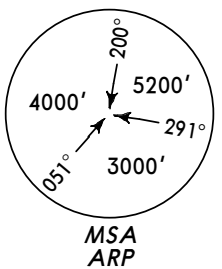


ROUTING

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.

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')



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 2

PERUB 2

PERUB 2

PERUB 2

PERUB 2

PERUB 2

PERUB 2

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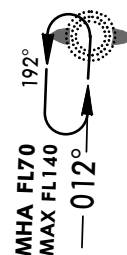
ALT/HEIGHT CONVERSION	QNH	(QFE)
5310'	(5266' - 1600m)	
4970'	(4926' - 1500m)	
3990'	(3946' - 1200m)	
3000'	(2956' - 900m)	
2020'	(1976' - 600m)	



PERUB
N46 20.0 E142 17.2

At or above
FL90

HOLDING OVER S



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

- 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').

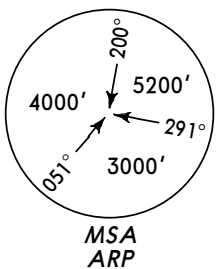
STAR

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.

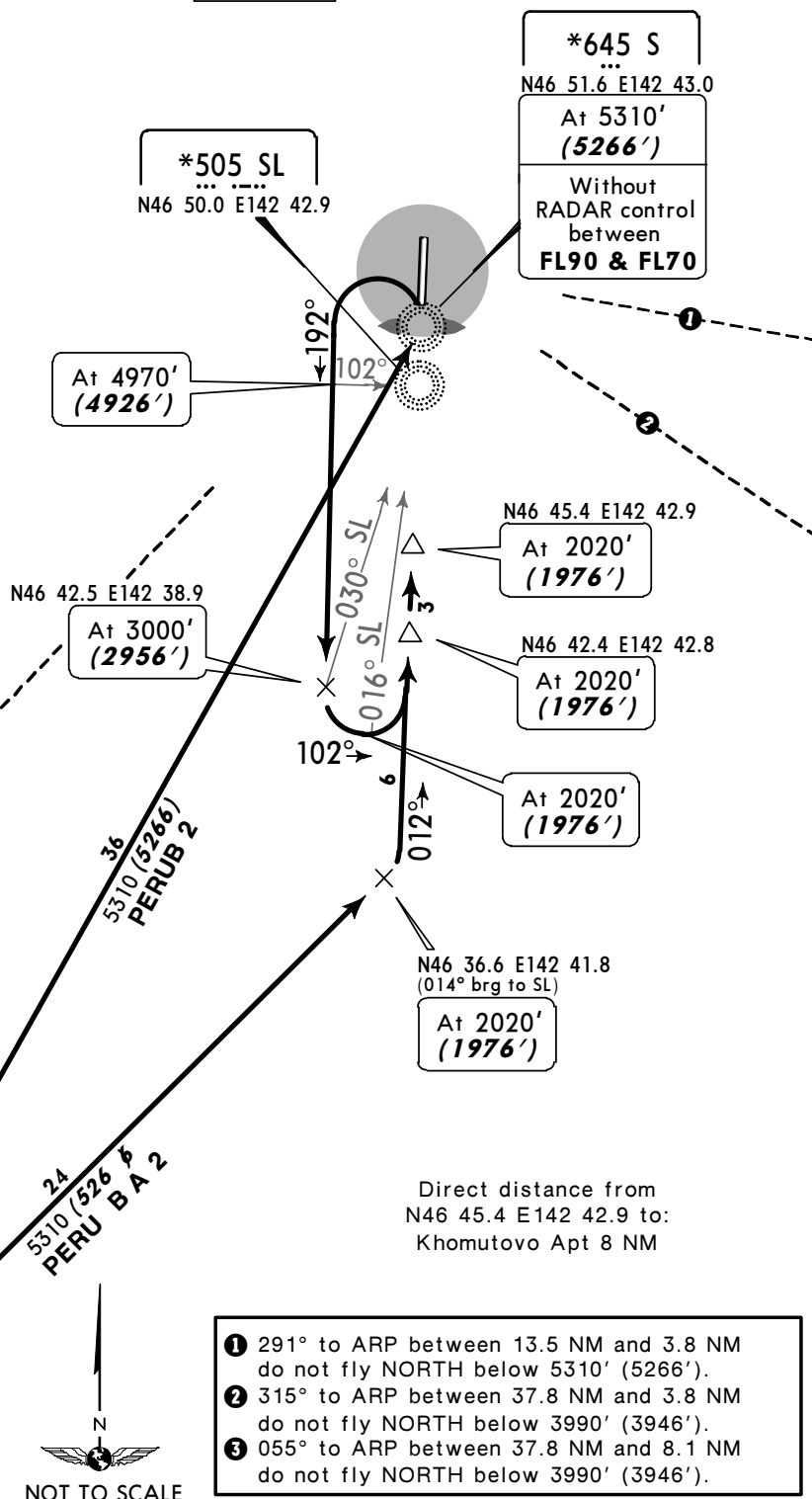
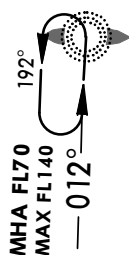
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5266')

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

PERUB
N46 20.0 E142 17.2
At or above
FL90

- 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').

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.

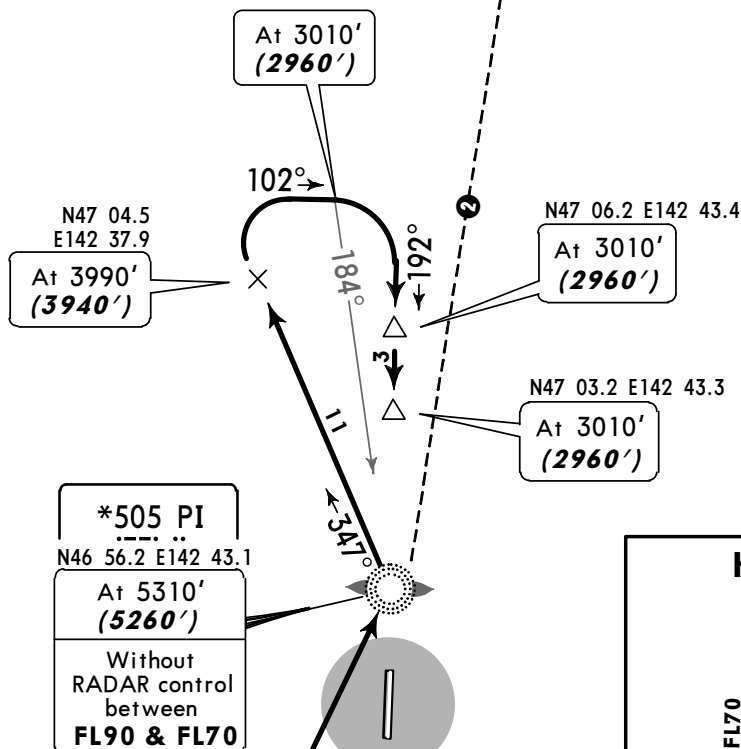
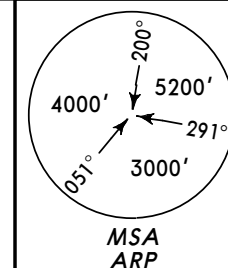
PERUB 2A

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.

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**



- 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').

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.

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

Trans level: FL70

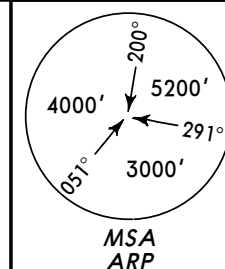
FL80 if pressure is less than 758 mm (1010.6 hPa)

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

Trans alt: 5310' (5260')

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

CAT A & B

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

102°

184°

192°

10

352°

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 NMHOLDING
OVER
PIMHA FL70
MAX FL140

192°

012°

- 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

NOT TO SCALE

ALT/HEIGHT CONVERSION

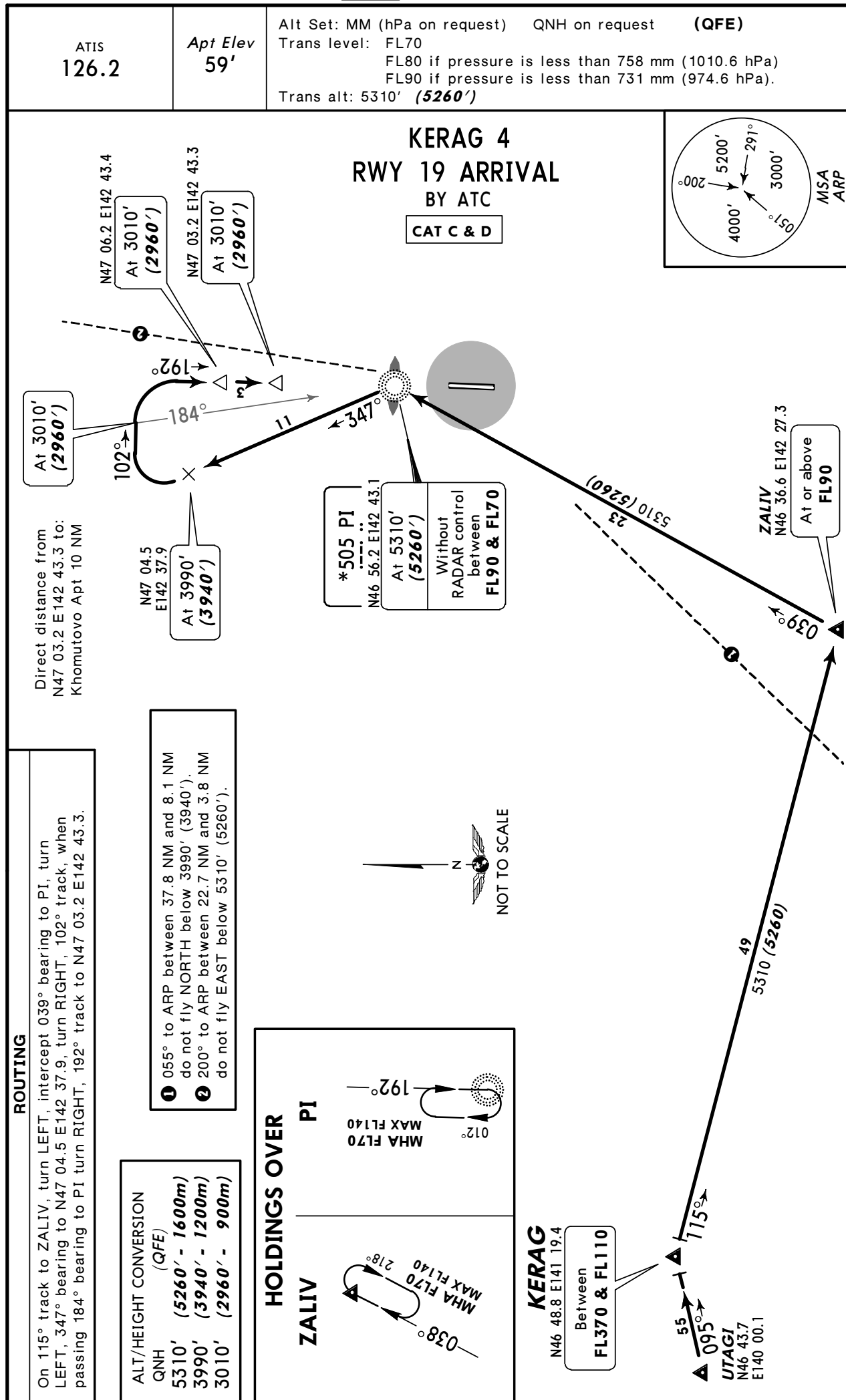
QNH	(QFE)
5310'	(5260' - 1600m)
3990'	(3940' - 1200m)
3010'	(2960' - 900m)

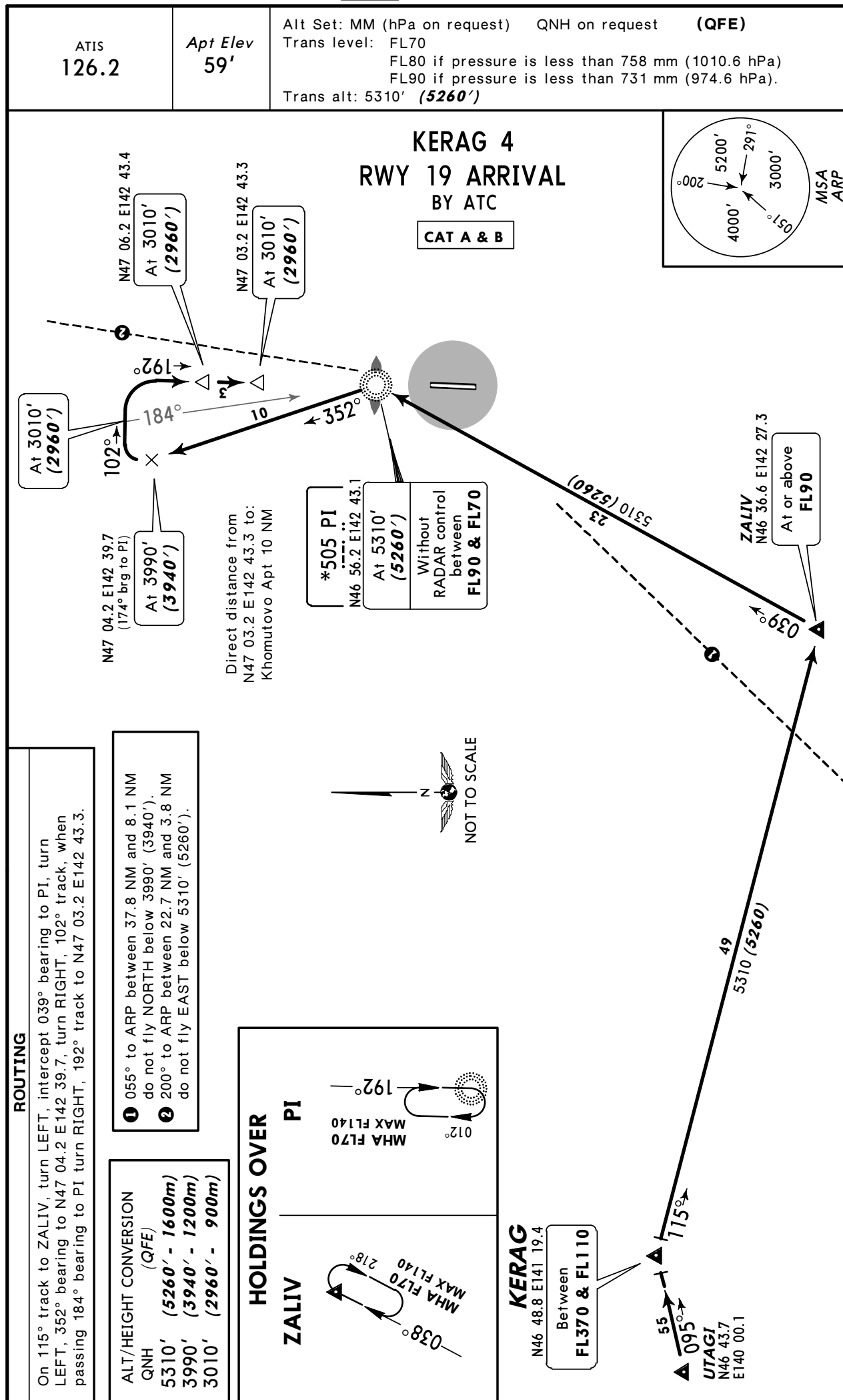
ROUTING

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.

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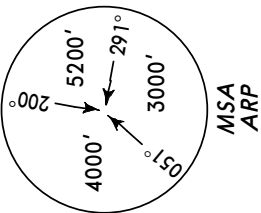




Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5266')

ATIS
126.2

Apt 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 & FL70

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

*505 SL
N46 50.0 E142 42.9

MHA FL70
MAX FL140

N46 45.4
E142 42.9

At 2020'
(1976')

N46 40.1
E142 37.4

At 3000'
(2956')

At 2020'
(1976')

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 48.2

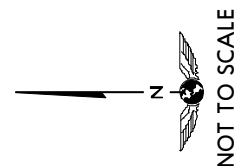
At or above
FL90

KERAG
N46 48.8 E141 19.4

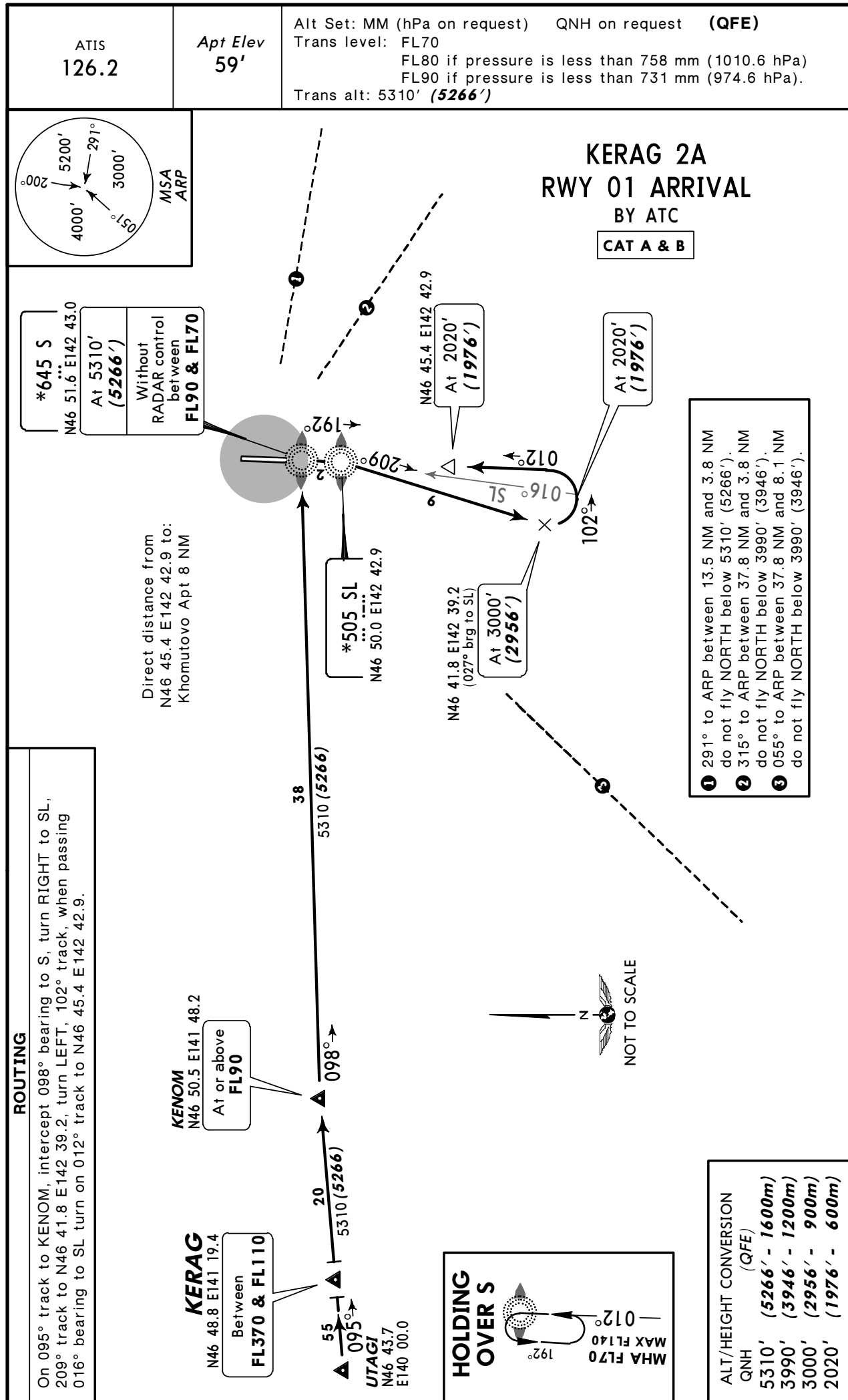
Between
FL370 & FL110

UTAGI
N46 43.7
E140 00.1

- 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)



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

Trans level: FL70

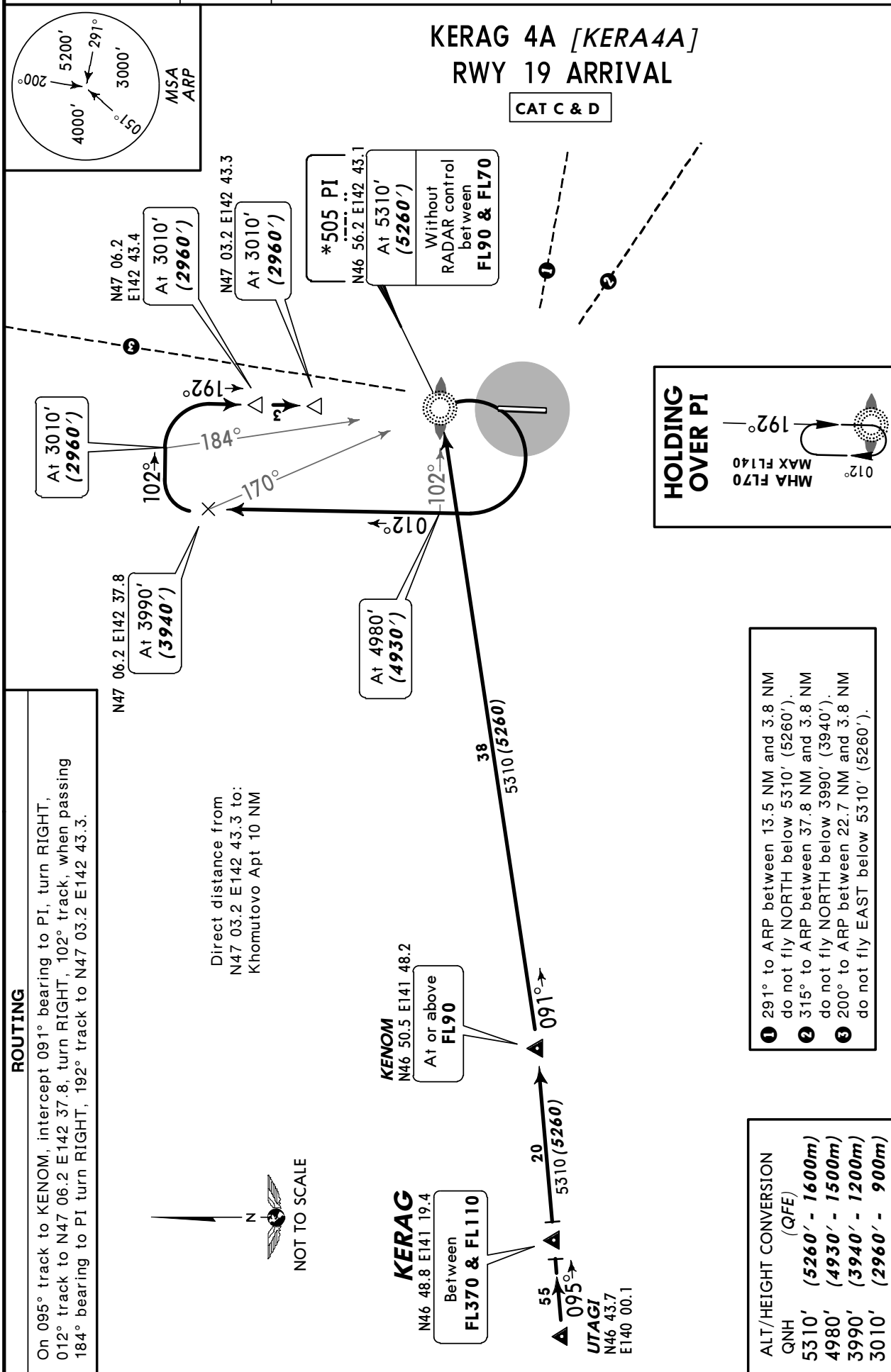
FL80 if pressure is less than 758 mm (1010.6 hPa)

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



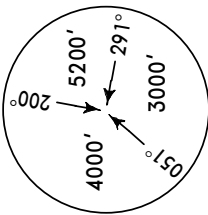
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5260')

ATIS
126.2

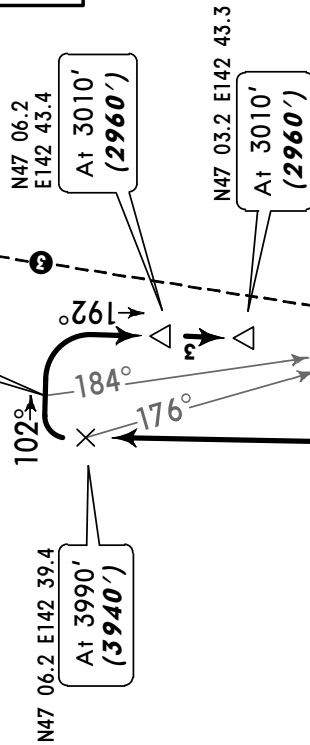
Apt Elev
59'

KERAG 4A RWY 19 ARRIVAL

CAT A & B



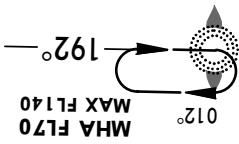
MSA
ARP



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

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

HOLDING OVER PI



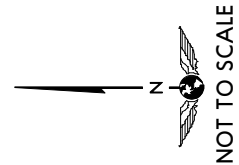
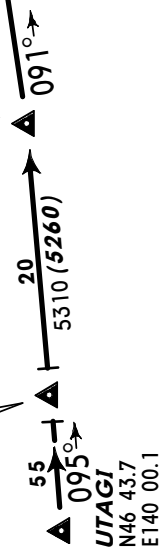
ROUTING

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.

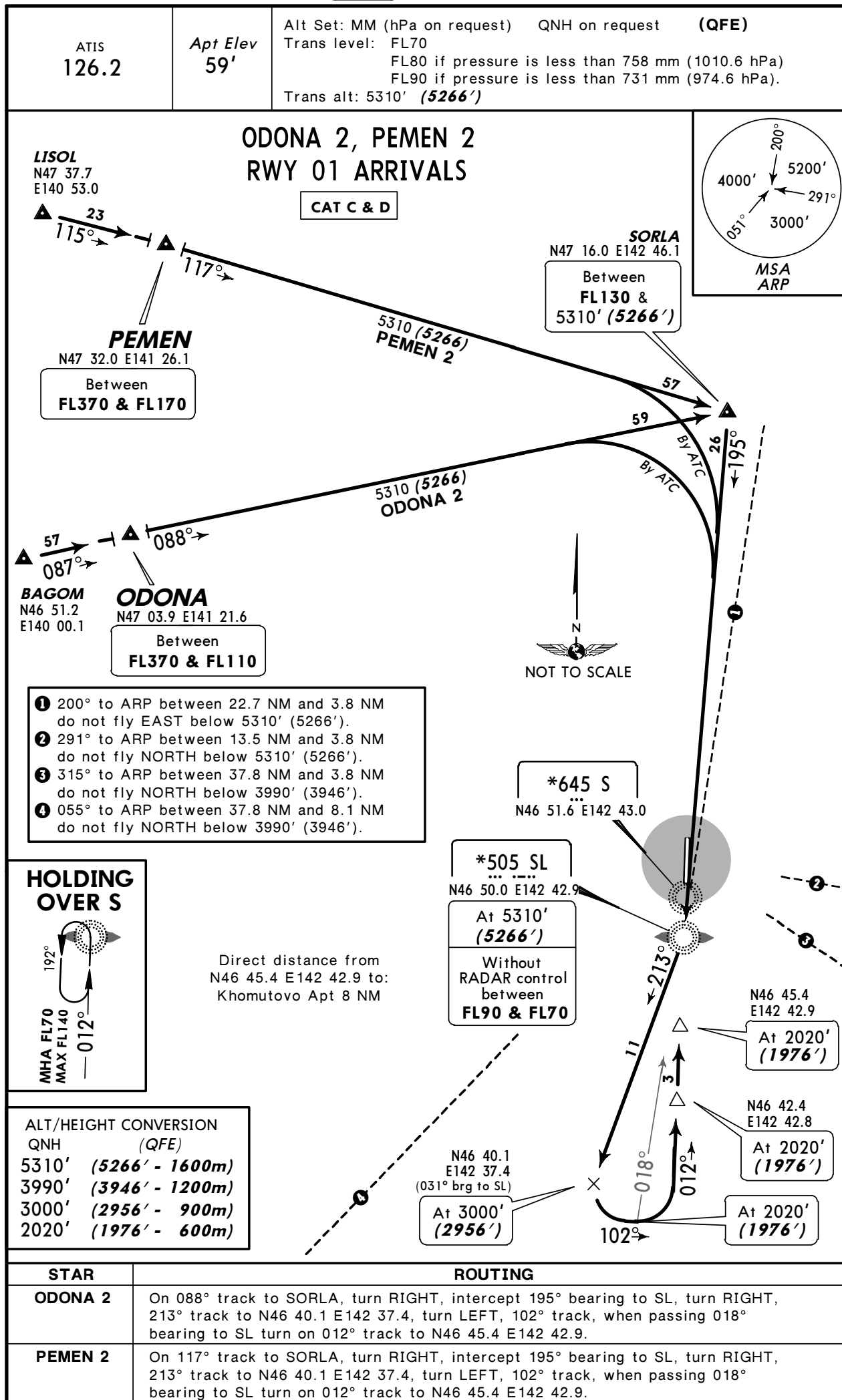
- 291° to ARP between 13.5 NM and 3.8 NM do not fly NORTH below 5310' (5260').
- 315° to ARP between 37.8 NM and 3.8 NM do not fly NORTH below 3990' (3940').
- 200° to ARP between 22.7 NM and 3.8 NM do not fly EAST below 5310' (5260').

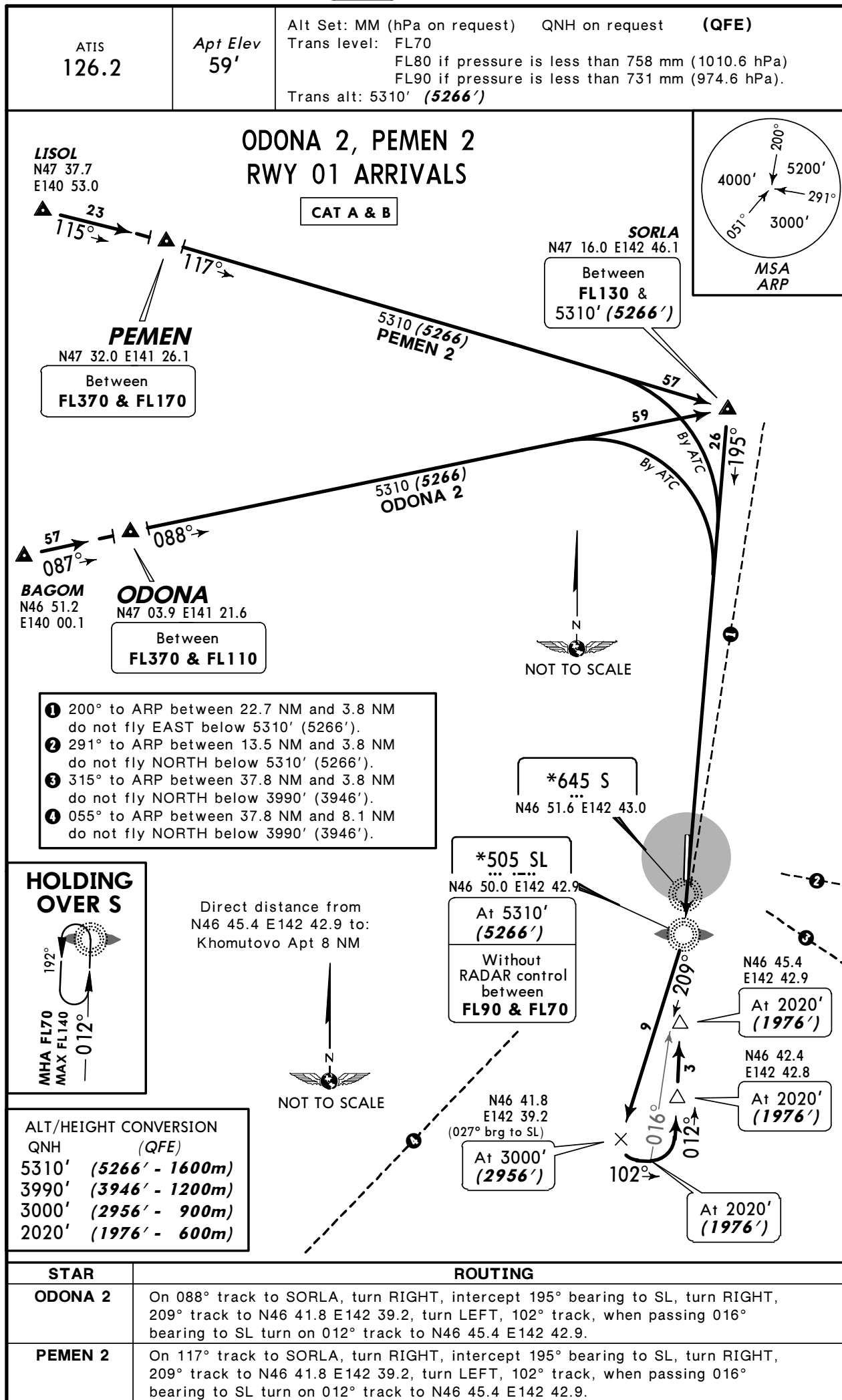
KENOM
N46 50.5 E141 48.2
At or above
FL90

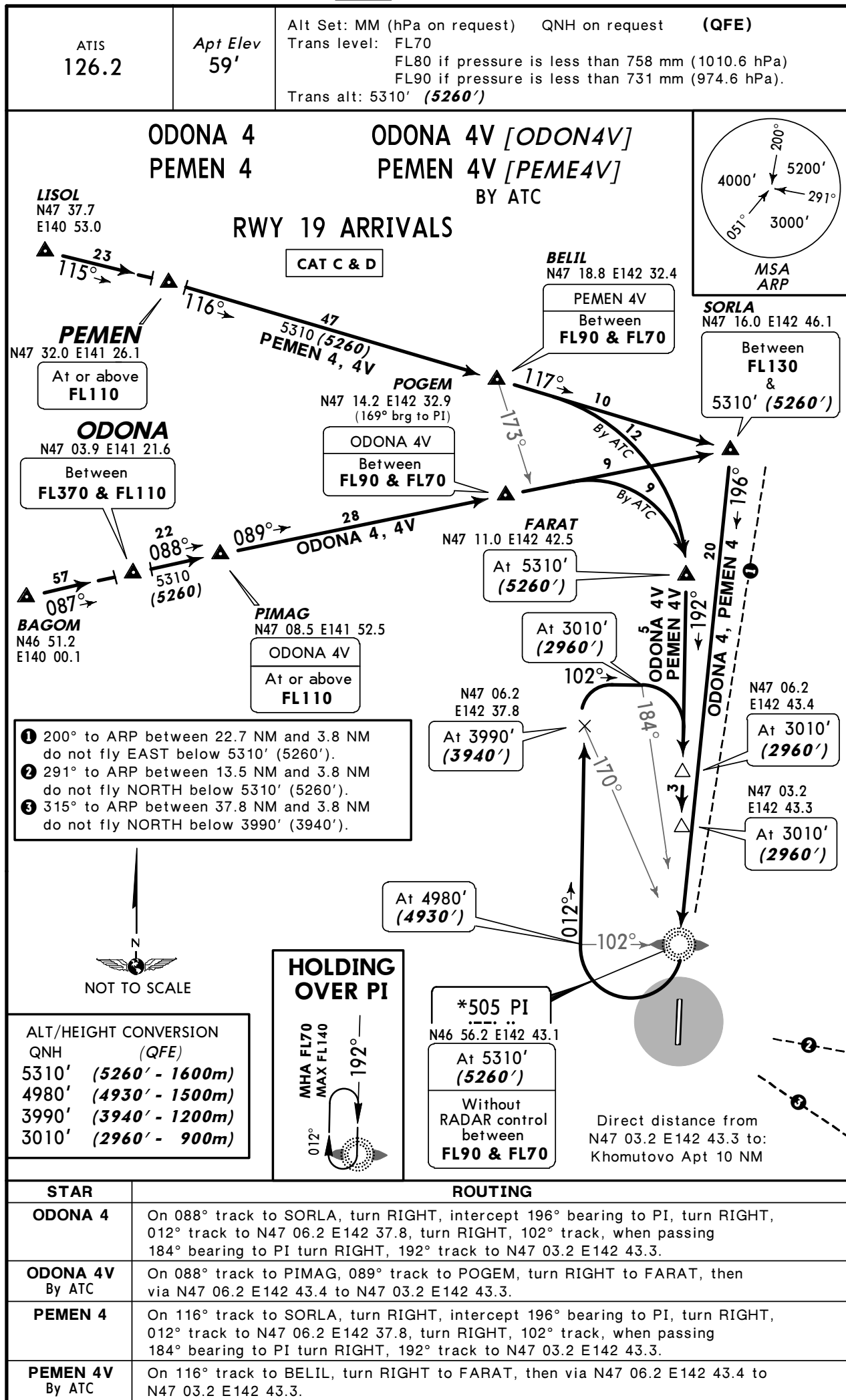
KERAG
N46 48.8 E141 19.4
Between
FL370 & FL110

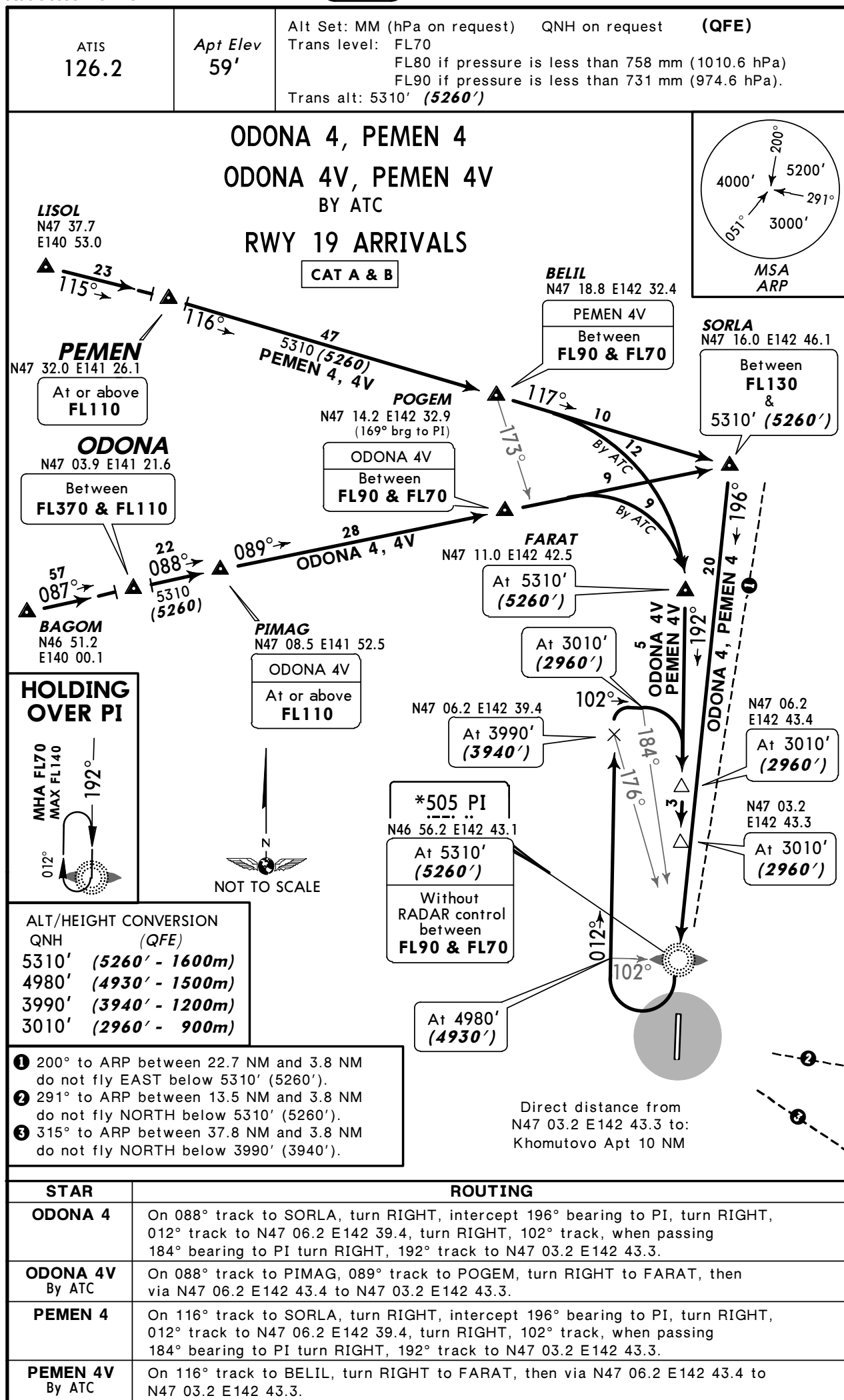


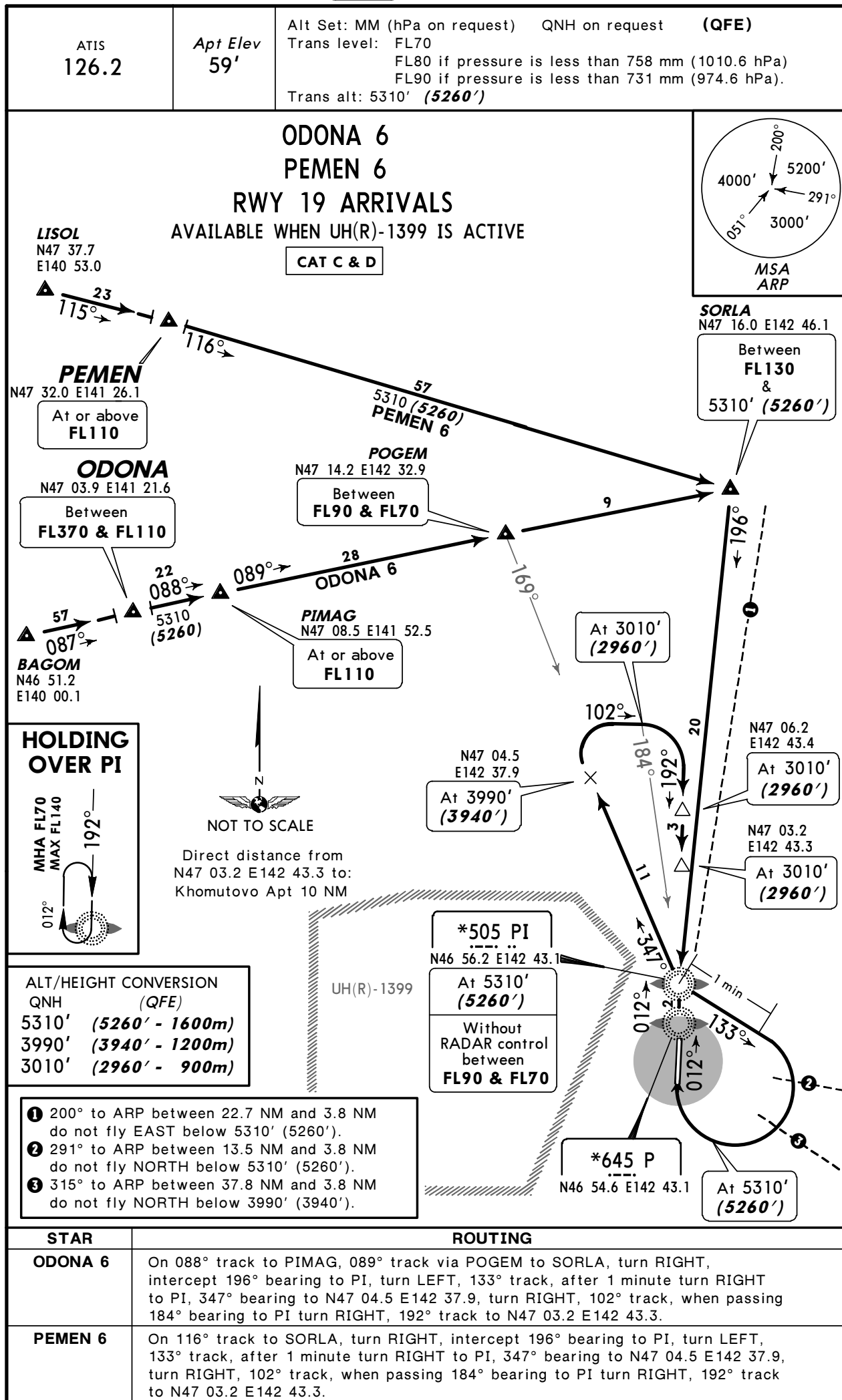
ALT/HEIGHT CONVERSION	
QNH	(QFE)
5310'	(5260' - 1600m)
4980'	(4930' - 1500m)
3990'	(3940' - 1200m)
3010'	(2960' - 900m)



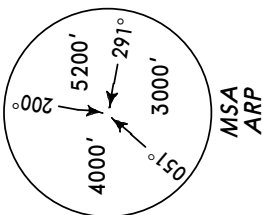






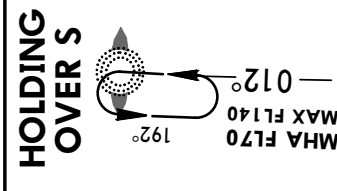


Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5266')

ATIS
126.2Apt Elev
59'

ODONA 2A [ODON2A], PEMEN 2A [PEME2A] RWY 01 ARRIVALS BY ATC

CAT C & D



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 45.4
E142 42.9
At 2020' (1976')

At 2020' (1976')

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

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

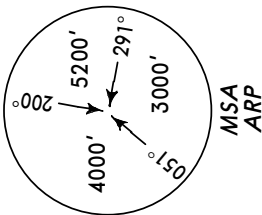
ALT/HEIGHT CONVERSION
QNH (QFE)
5310' (5266' - 1600m)
3990' (3946' - 1200m)
3000' (2956' - 900m)
2020' (1976' - 600m)

- 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').
- 055° to ARP between 37.8 NM and 8.1 NM do not fly NORTH below 3990' (3946').



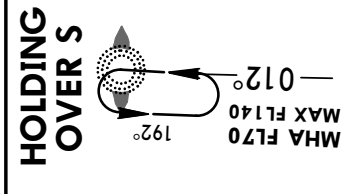
NOT TO SCALE

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'ODONA 2A, PEMEN 2A
RWY 01 ARRIVALS

BY ATC

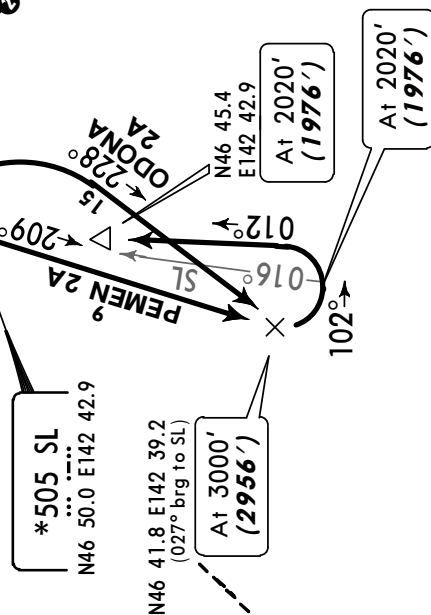
CAT A & B



STAR	ROUTING
ODONA 2A	Intercept 112° bearing to S, turn RIGHT, 228° 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 2A	Intercept 138° 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.

*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



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

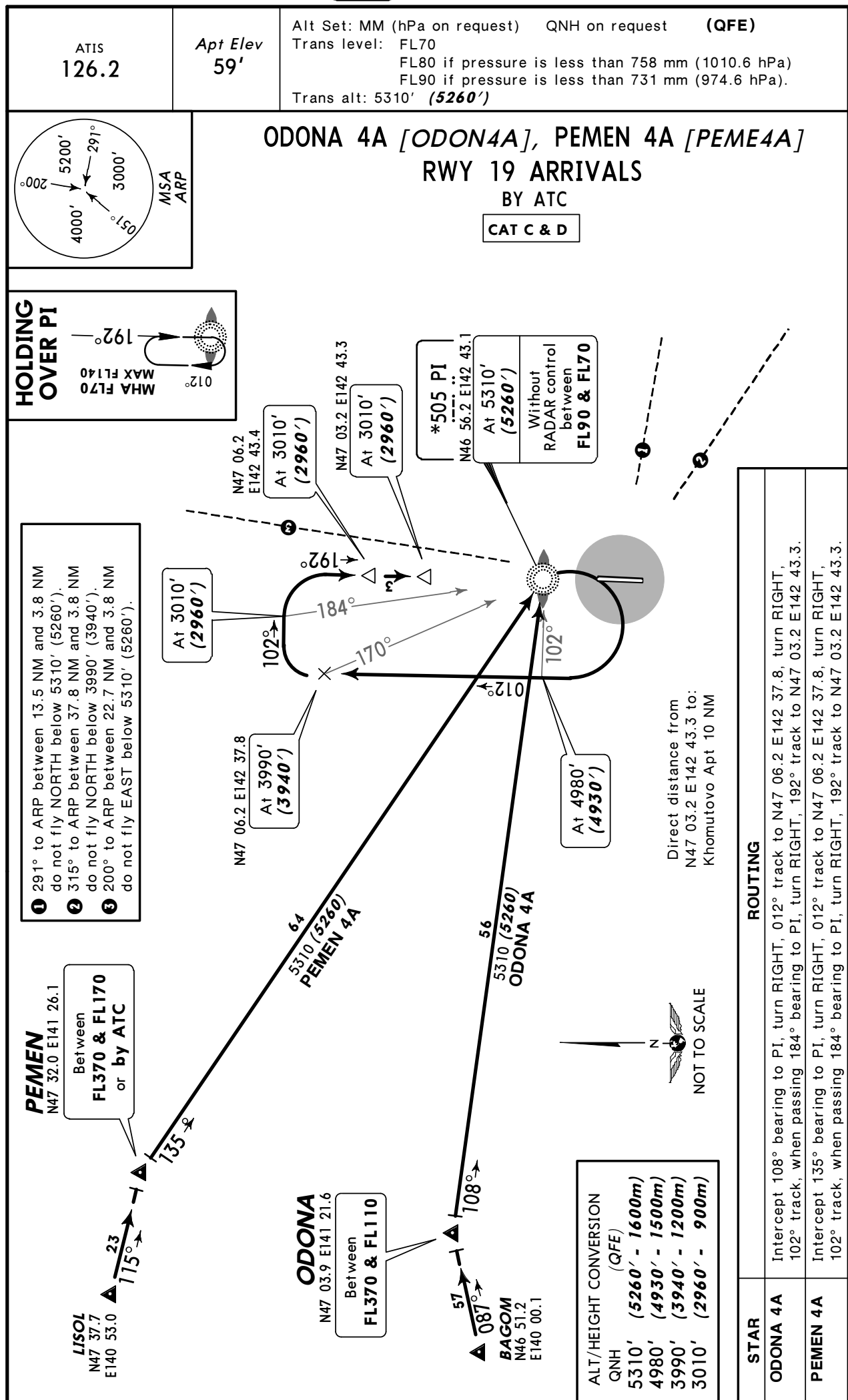
QNH (QFE)

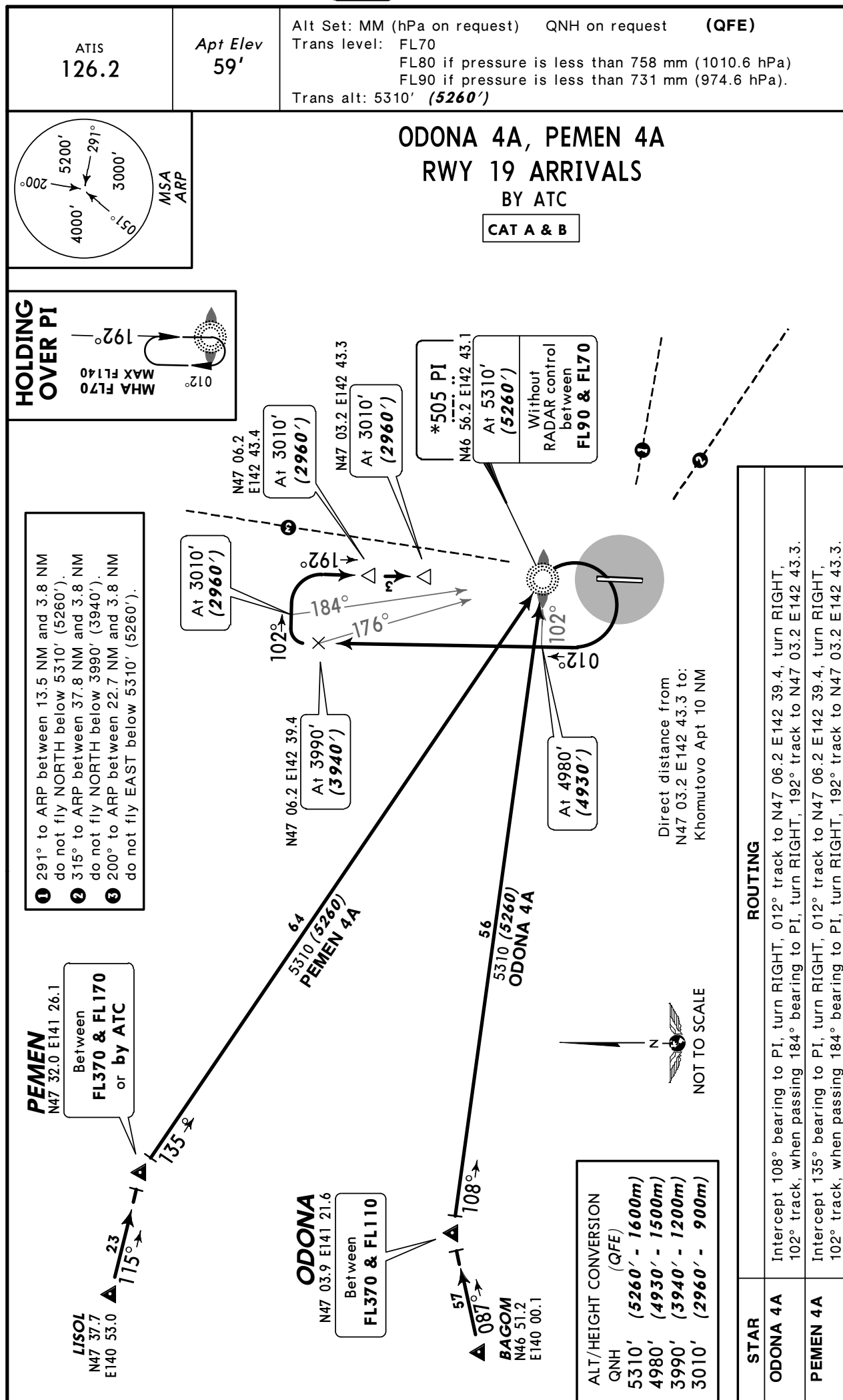
5310' (5266' - 1600m)
3990' (3946' - 1200m)
3000' (2956' - 900m)
2020' (1976' - 600m)

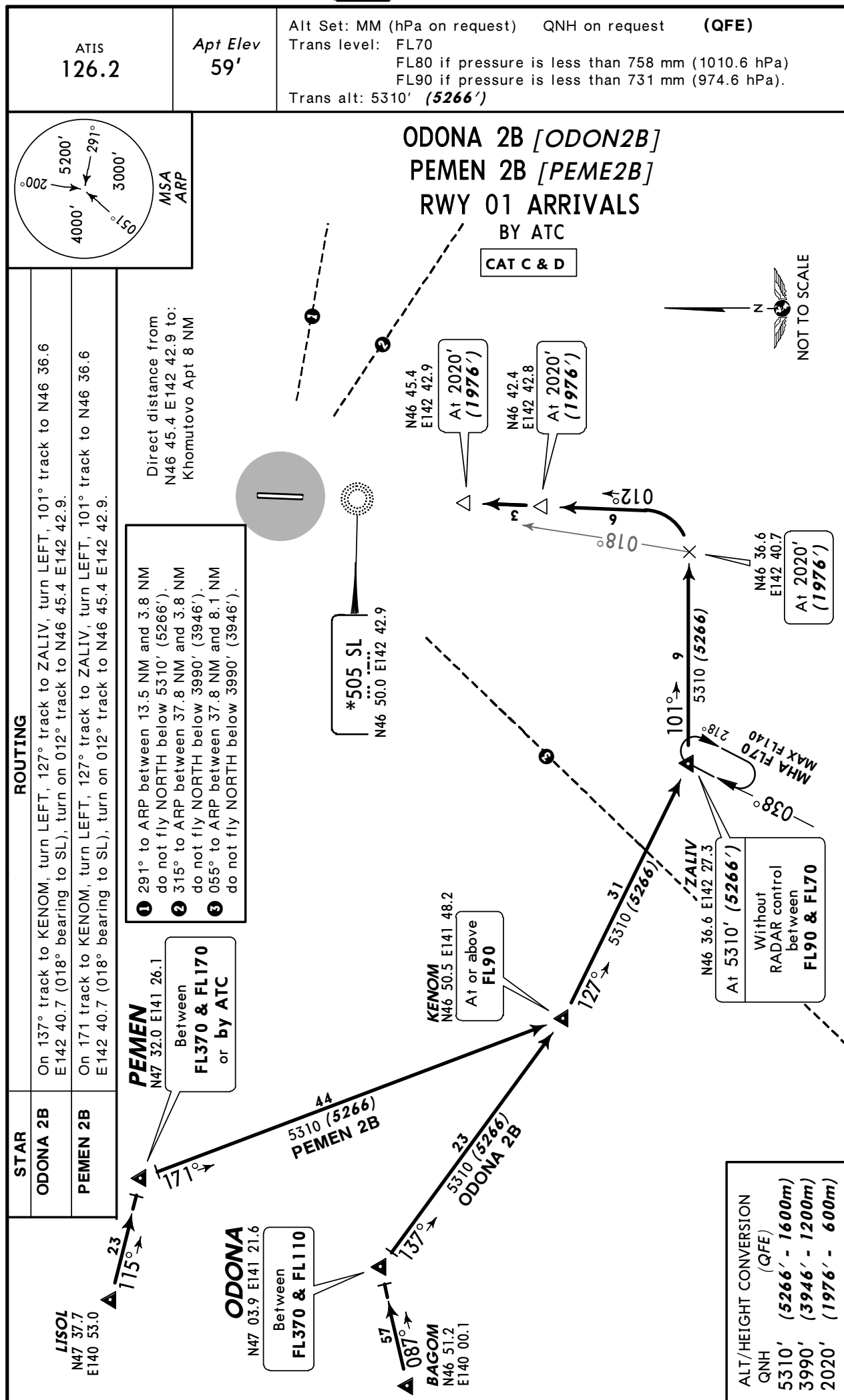


NOT TO SCALE

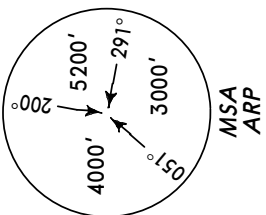
- 1 291° to ARP between 13.5 NM and 3.8 NM do not fly NORTH below 5310' (5266').
- 2 315° to ARP between 37.8 NM and 3.8 NM do not fly NORTH below 3990' (3946').
- 3 055° to ARP between 37.8 NM and 8.1 NM do not fly NORTH below 3990' (3946').







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:
Khmutovo Apt 8 NM

ROUTING

On 137° track to KENOM, turn LEFT, 127° track to ZALIV, turn LEFT, 101° track, when passing 016° bearing to SL, turn on 012° track to N46 45.4 E142 42.9.

- 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').

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

NOT TO SCALE

***505 SL**
N46 50.0 E142 42.9

ODONA 2B
RWY 01 ARRIVAL
BY ATC

CAT A & B

N46 45.4 E142 42.9
At 2020'
(1976')

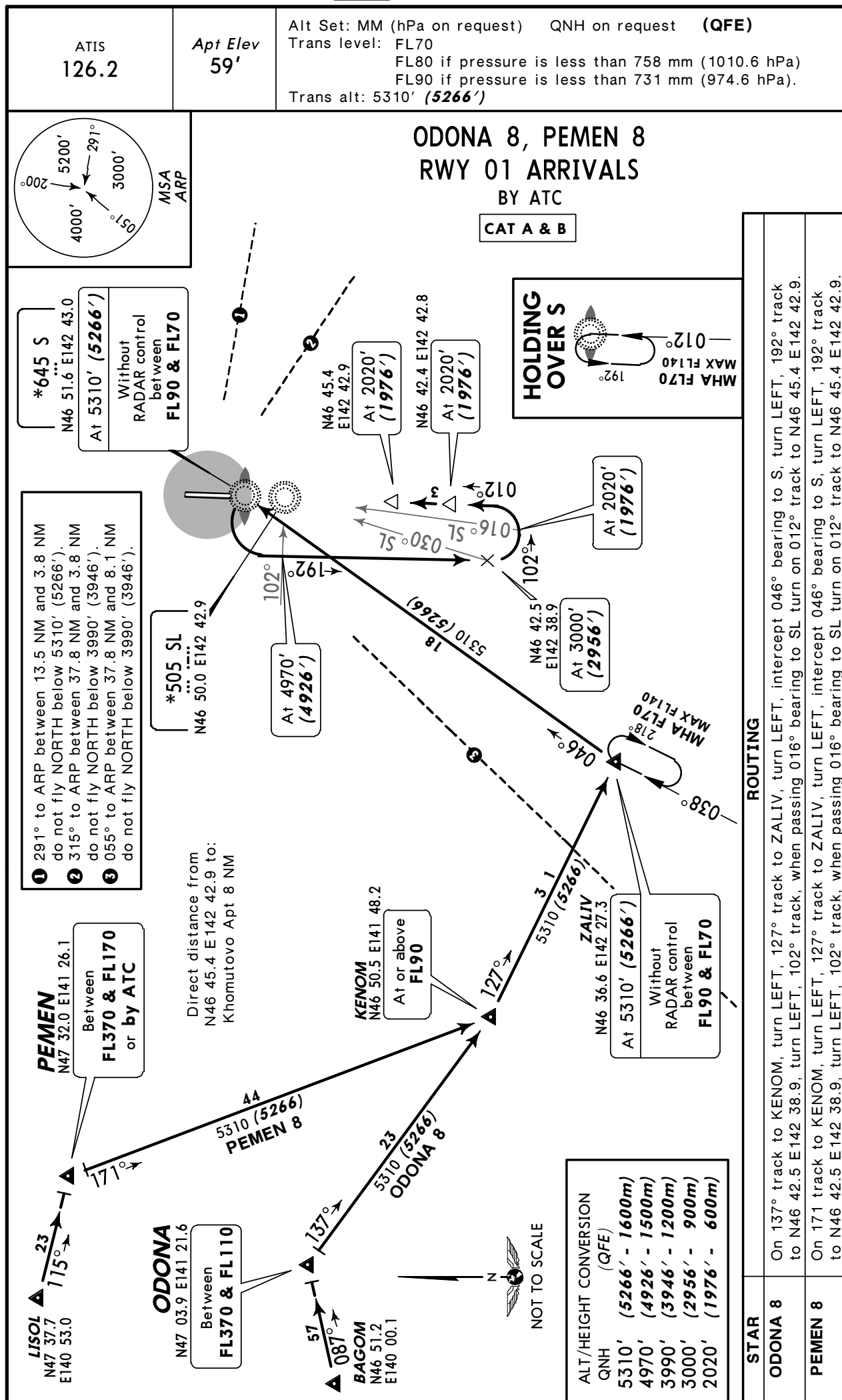
N46 42.4 E142 42.8
At 2020'
(1976')

At 2020'
(1976')

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

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

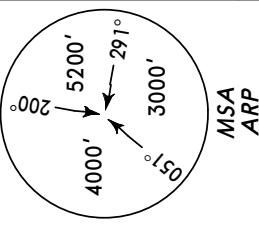
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Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5266')

ATIS
126.2

Apt Elev
59'



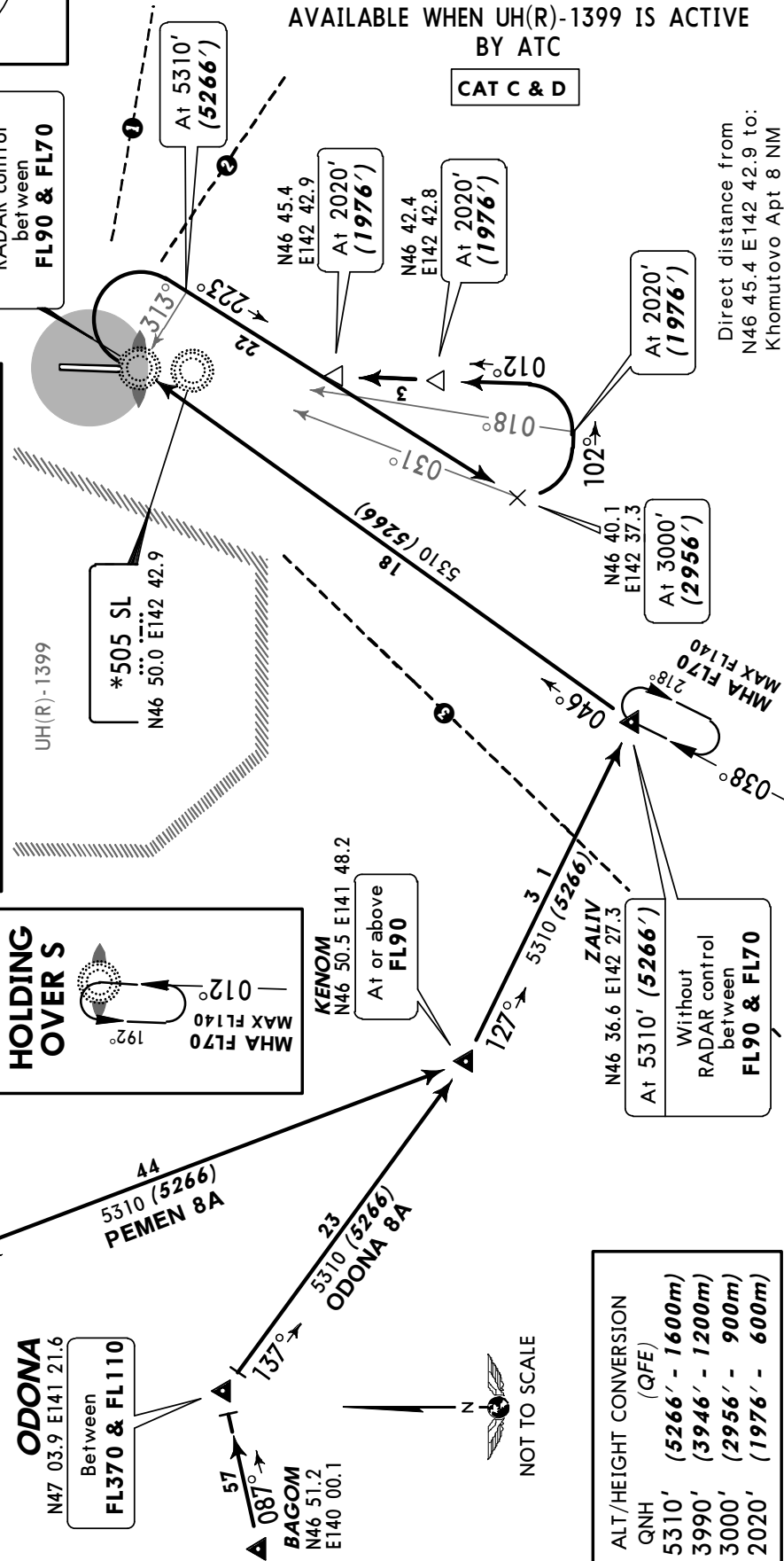
**ODONA 8A [ODON8A]
PEMEN 8A [PEME8A]
RWY 01 ARRIVALS**

AVAILABLE WHEN UH(R)-1399 IS ACTIVE
BY ATC

CAT C & D

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

- 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').



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

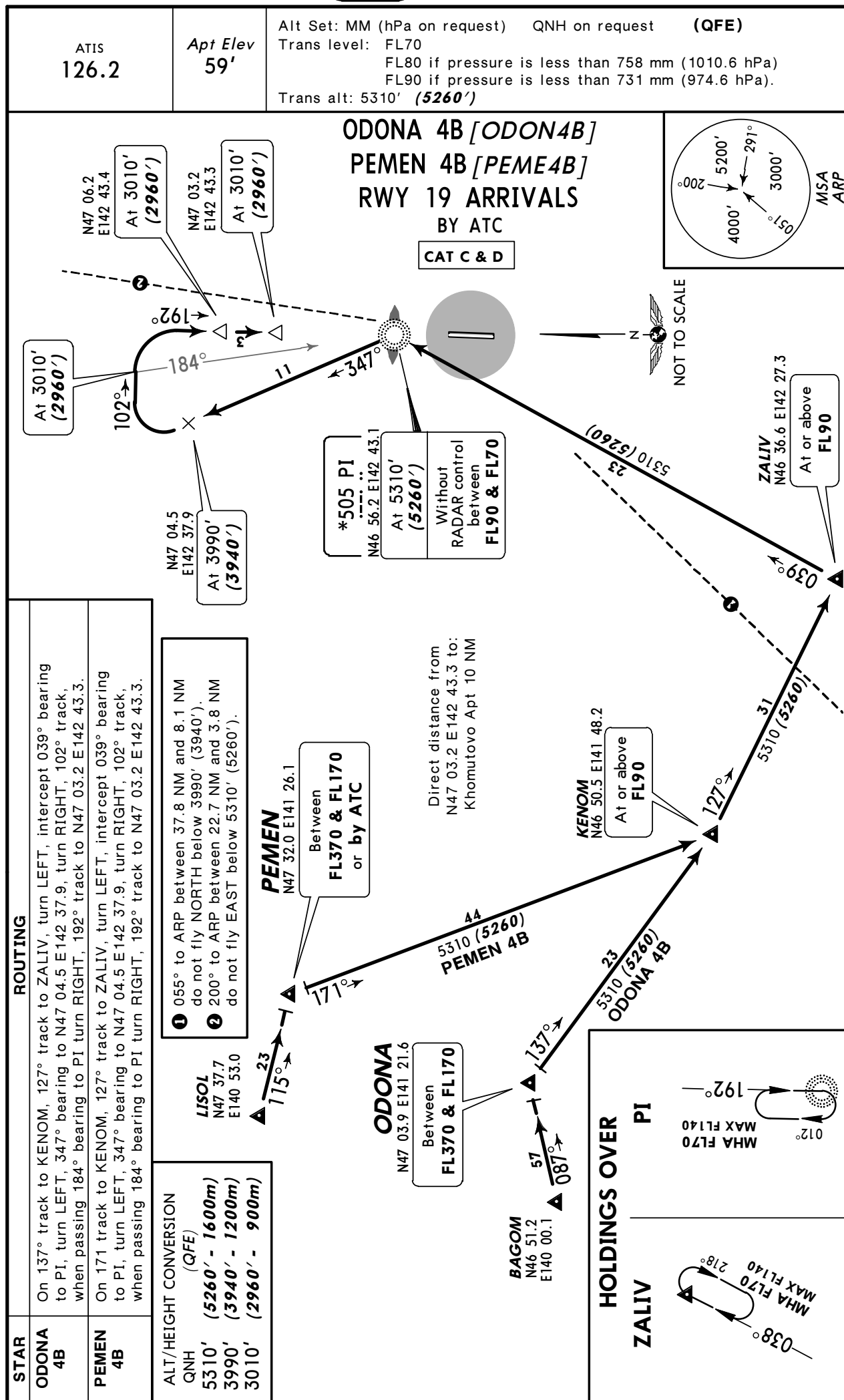
ROUTING

STAR

ODONA 8A On 137° track to KENOM, turn LEFT, 127° 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.

PEMEN 8A On 171° track to KENOM, turn LEFT, 127° 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.

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



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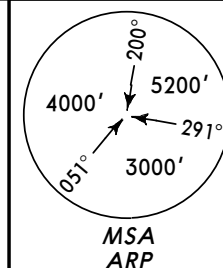
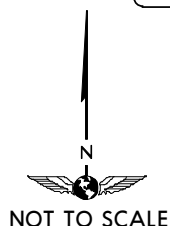
ATIS
126.2Apt Elev
59'

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

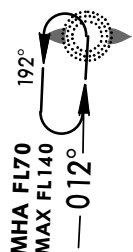
CAT C & D

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)	

***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 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.

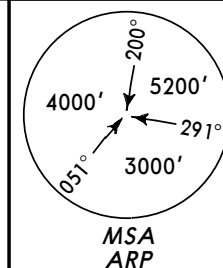
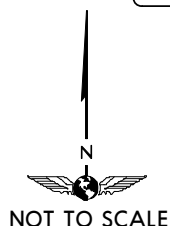
ATIS
126.2Apt Elev
59'

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

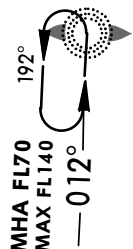
CAT A & B

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

N46 45.4
E142 42.9
At 2020'
(1976')

N46 42.4
E142 42.8
At 2020'
(1976')

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.

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')

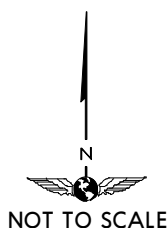
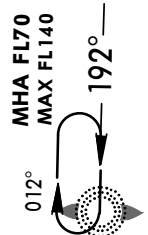
LIKON 4, LIKON 4V [LIKO4V]①, LIKON 6②
RWY 19 ARRIVALS

CAT C & D

LIKON
N47 39.4 E142 02.4At or above
FL110GIPUS
N47 23.0 E142 33.0LIKON 4V
Between
FL90 & FL70SORLA
N47 16.0 E142 46.1Between
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 NM

HOLDING
OVER PIFARAT
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')

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

At 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

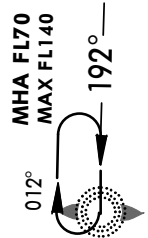
CAT A & B

LIKON
N47 39.4 E142 02.4At or above
FL110

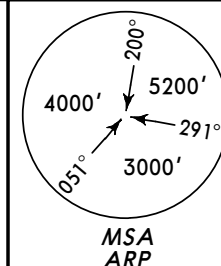
ALT/HEIGHT CONVERSION
QNH (QFE)

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

STAR

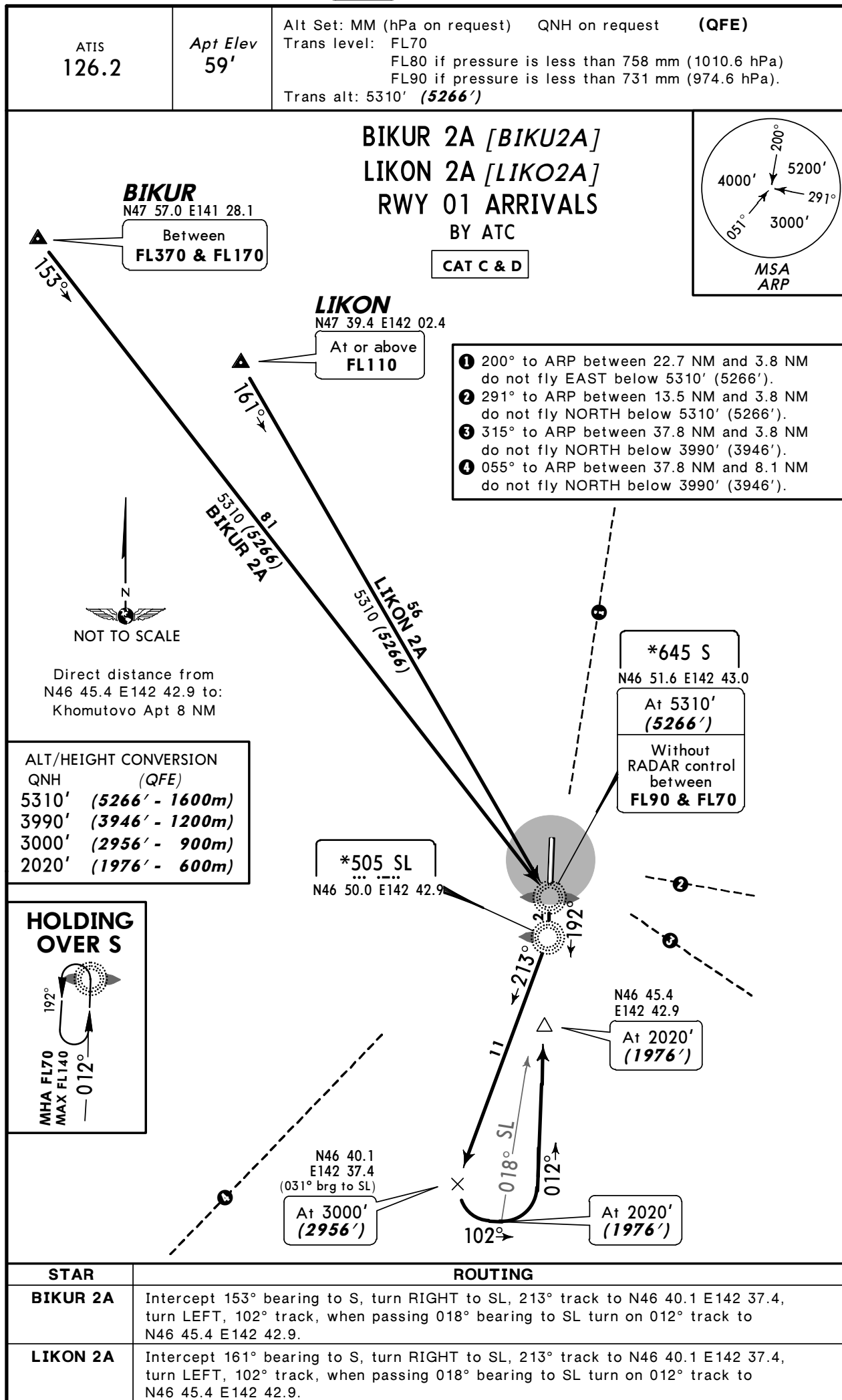
ROUTING

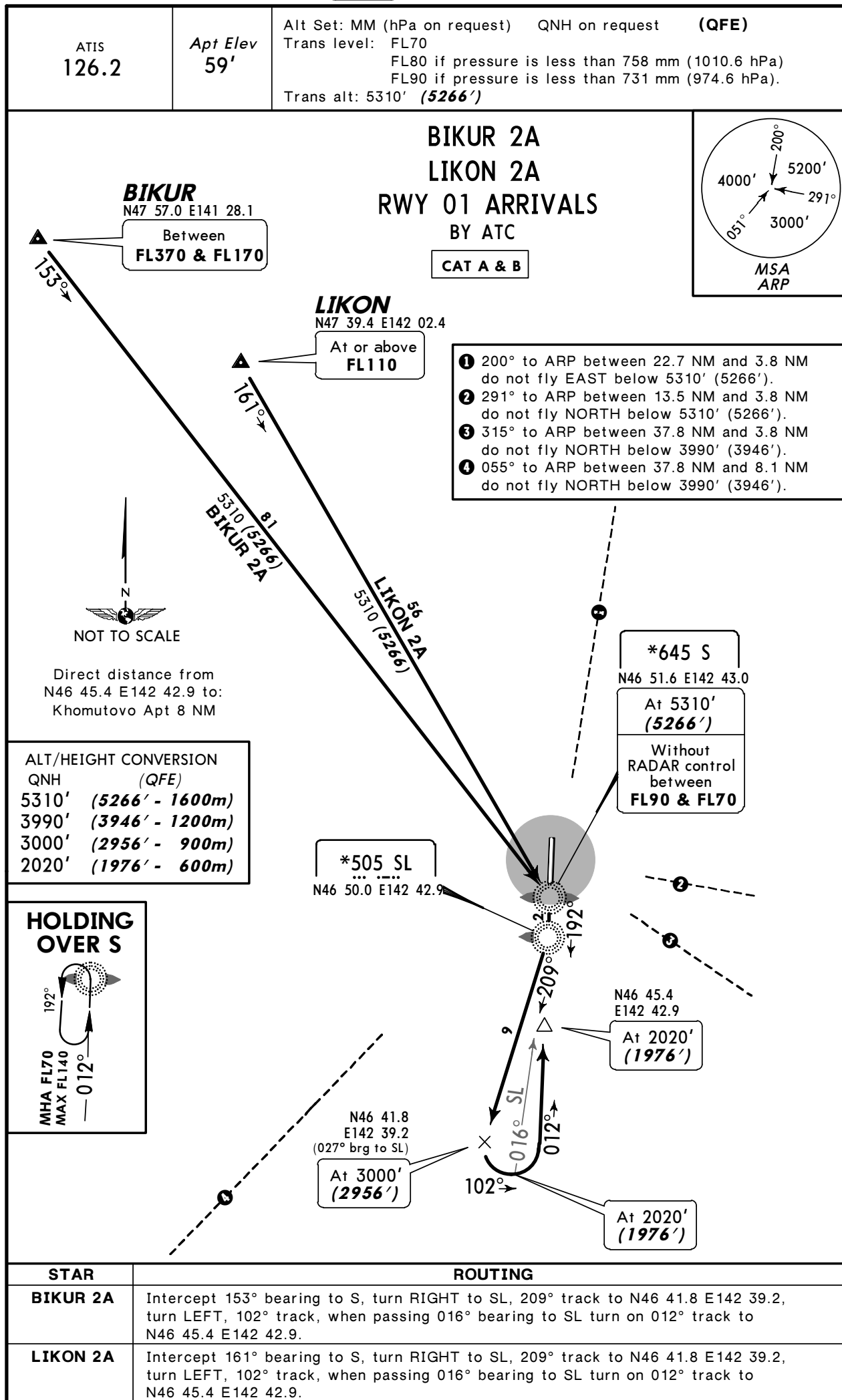
LIKON 4

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.





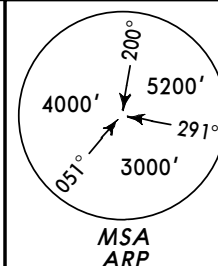
ATIS
126.2Apt Elev
59'

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

150°

LIKON

N47 39.4 E142 02.4

At or above
FL110

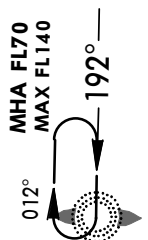
158°



NOT TO SCALE

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 37.8At 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.

ATIS
126.2Apt Elev
59'

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

Trans level: FL70

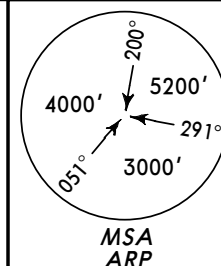
FL80 if pressure is less than 758 mm (1010.6 hPa)

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

Trans alt: 5310' (5260')

BIKUR 4A
LIKON 4A
RWY 19 ARRIVALS
BY ATC

CAT A & B

**BIKUR**

N47 57.0 E141 28.1

Between
FL370 & FL170

150°

LIKON

N47 39.4 E142 02.4

At or above
FL110

158°

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

N47 03.2 E142 43.3

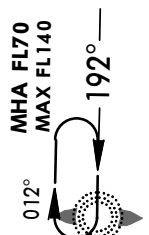
At 3010'
(2960')

*505 PI

N46 56.2 E142 43.1

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

NOT TO SCALE

**HOLDING
OVER PI**Direct distance from
N47 03.2 E142 43.3 to:
Khomutovo Apt 10 NMAt 4980'
(4930')

012°

102°

- 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').

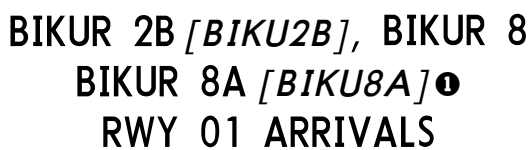
STAR**ROUTING****BIKUR 4A**

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')**

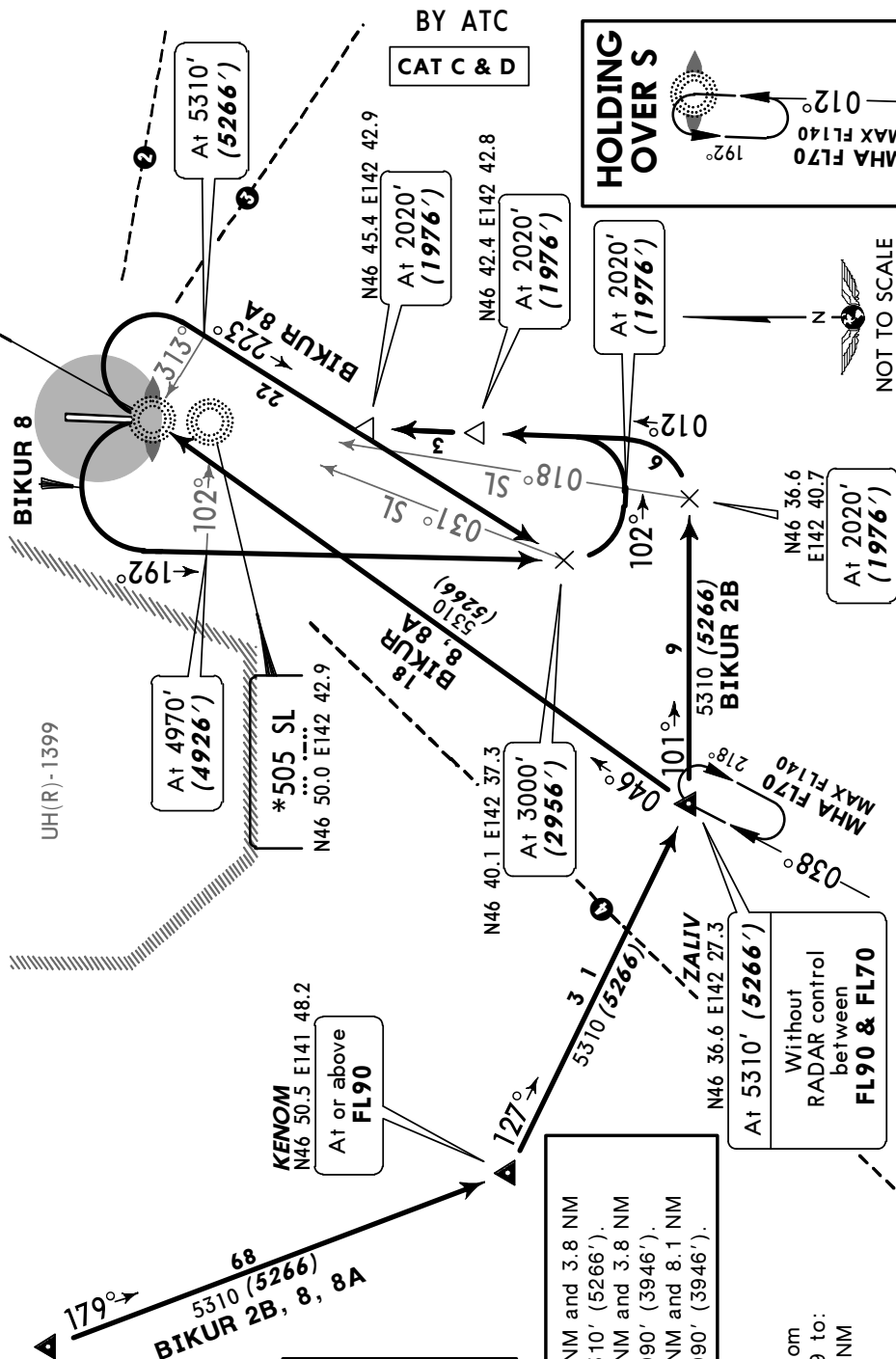


**HOLDING
OVER \$**



MHA FL70
MAX FL140

NOT TO SCALE



BIKUR
N47 57.0 E141 28.1
Between
FL370 & FL170

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

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').

3 055° to ARP between 37.8 NM and 8.1 NM
do not fly NORTH below 3990' (3946').

Direct distance from
J46 45.4 E142 42.9 to:
Khomutovo Apt 8 NM

STAR	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.

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

Trans level: FL70

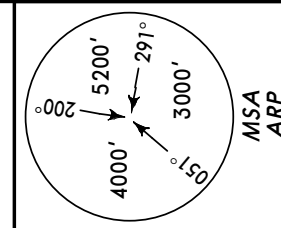
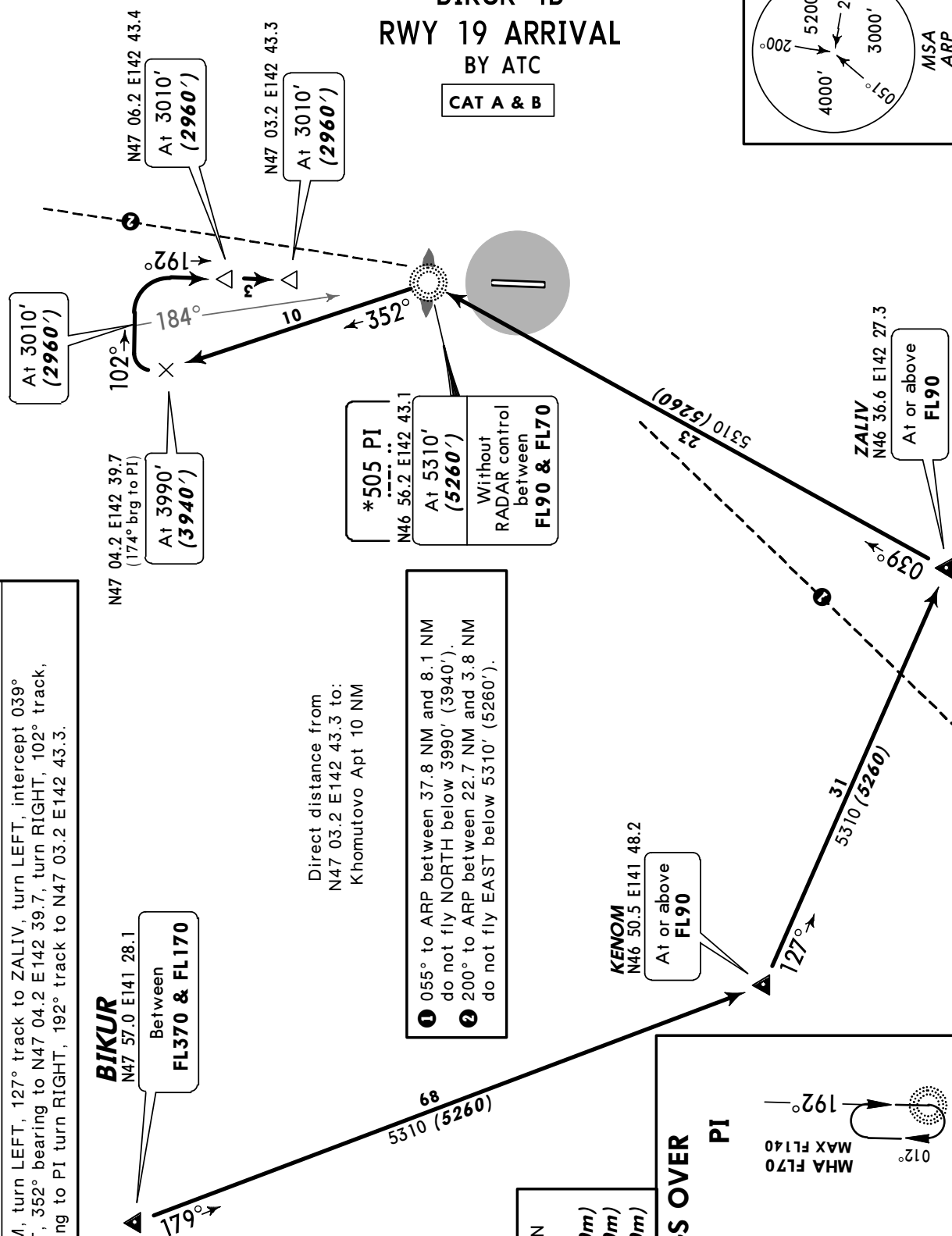
FL80 if pressure is less than 758 mm (1010.6 hPa)

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

Trans alt: 5310' (5260')

BIKUR 4B
RWY 19 ARRIVAL
BY ATC

CAT A & B

MSA
ARP

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

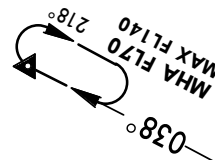
- 055° to ARP between 37.8 NM and 8.1 NM do not fly NORTH below 3990' (3940').
- 200° to ARP between 22.7 NM and 3.8 NM do not fly EAST below 5310' (5260').

ALT/HEIGHT CONVERSION
QNH (QFE)

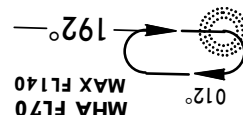
5310' (5260' - 1600m)
3990' (3940' - 1200m)
3010' (2960' - 900m)

HOLDINGS OVER

ZALIV



PI



NOT TO SCALE

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

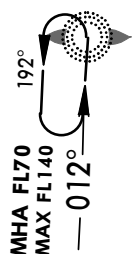
ONLY FOR RUSSIAN USERS OF AIRSPACE

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').

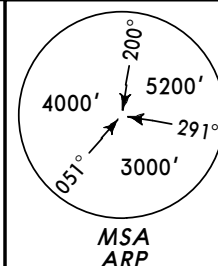
ALT/HEIGHT CONVERSION	
QNH	(QFE)
5310'	(5266' - 1600m)
3990'	(3946' - 1200m)
3000'	(2956' - 900m)
2020'	(1976' - 600m)

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

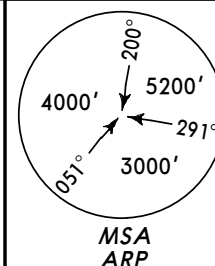
ONLY FOR RUSSIAN USERS OF AIRSPACE

CAT A & B

VIBIR

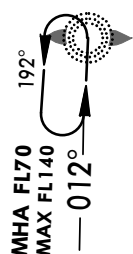
N47 51.0 E142 31.1

Between
FL270 & FL190
or
between
FL130 & FL80



- 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



***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'

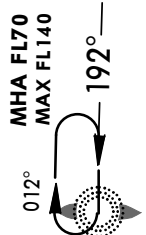
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5260')

**VIBIR 4, VIBIR 4V [VIBI4V]
VIBIR 6 ①
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').

*645 P
N46 54.6 E142 43.1

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'

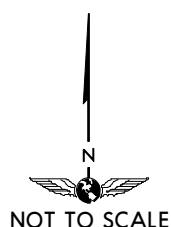
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5260')

VIBIR 4, VIBIR 4V RWY 19 ARRIVALS

ONLY FOR RUSSIAN USERS OF AIRSPACE

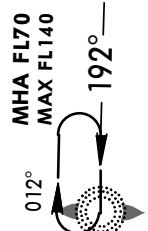
CAT A & B

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



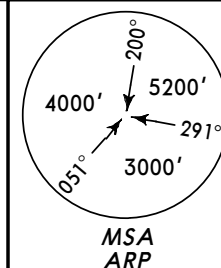
Direct distance from
N47 03.2 E142 43.3 to:
Khomutovo Apt 10 NM

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')

At 4980'
(4930')

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

STAR

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'

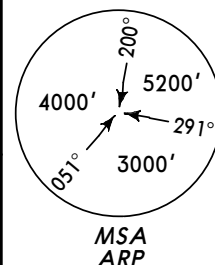
QNH on request (QFE)

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**

[KLYC1]

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'

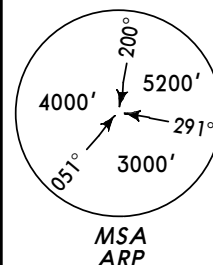
QNH on request (QFE)

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)

***505 PI**

N46 56.2 E142 43.1

At or above
3990' (3940')**KENOM**

N46 50.5 E141 48.2

At or above
FL80**ZALIV**

N46 36.6 E142 27.3

At or above
FL70

NOT TO SCALE

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'

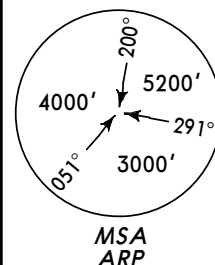
QNH on request (QFE)

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').



[KLYCI]
KLYUCHI
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')

N46 45.8 E142 42.9

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

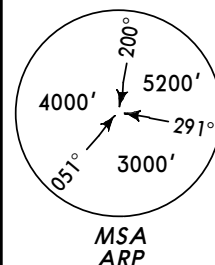
ALT/HEIGHT CONVERSION
QNH (QFE)
3990' (3940' - 1200m)
5310' (5260' - 1600m)

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.

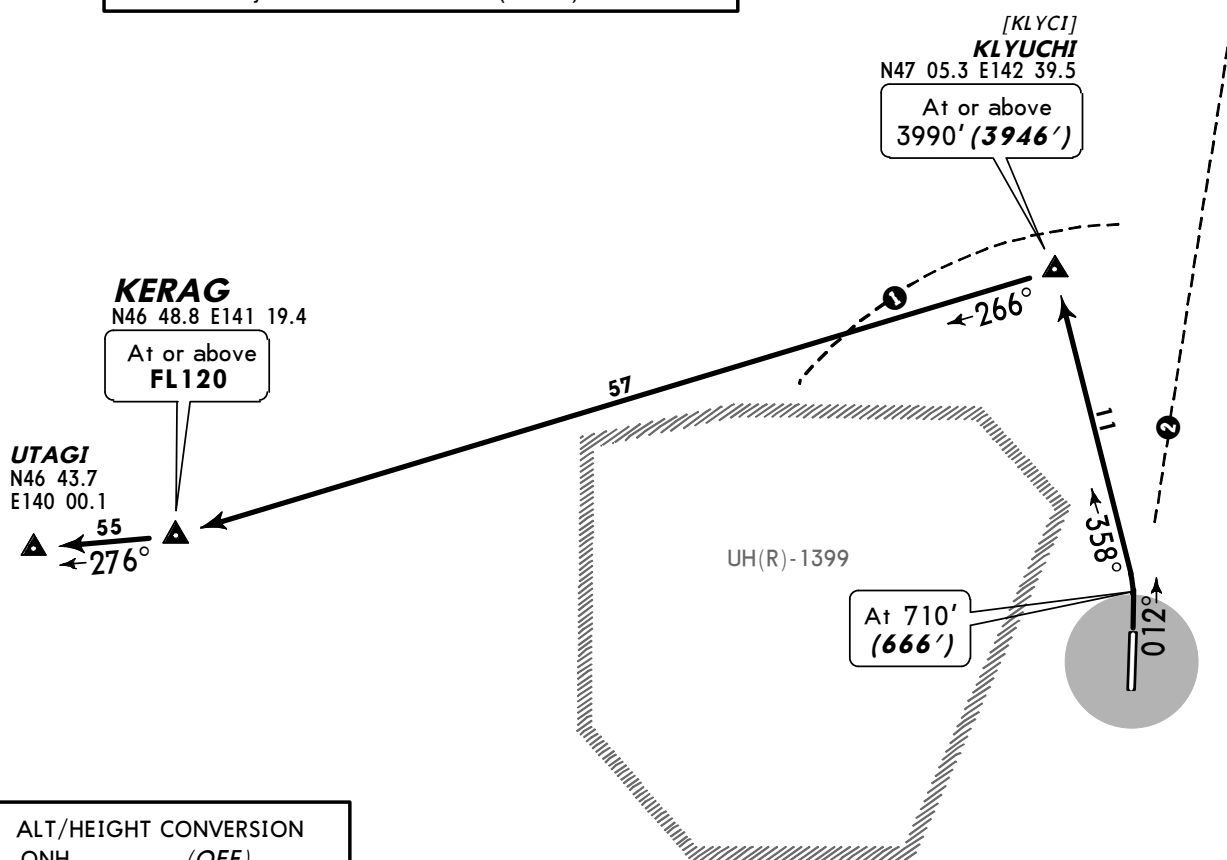
Apt Elev
59'

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'

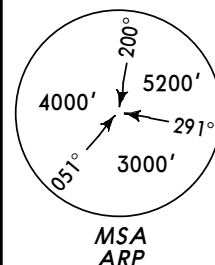
QNH on request (QFE)

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')

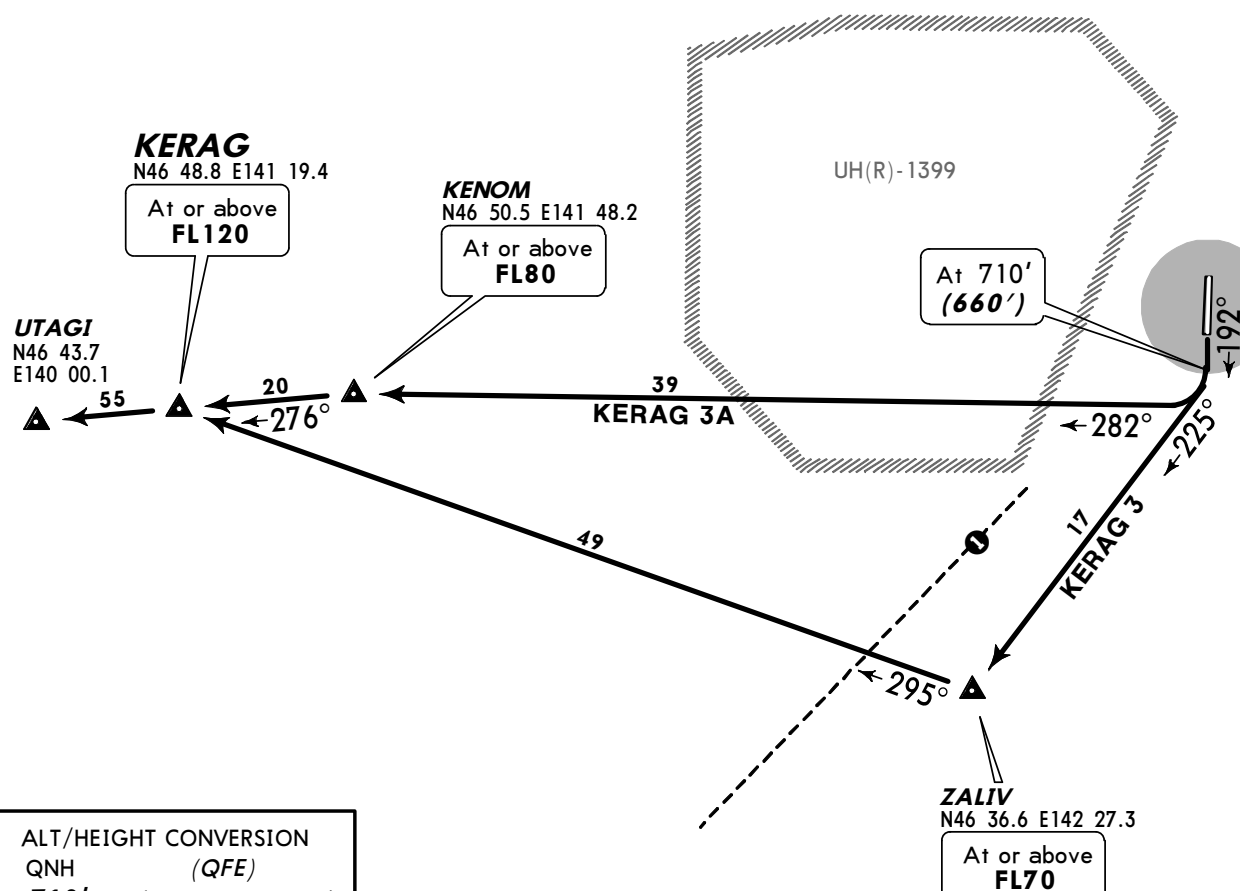


KERAG 3, KERAG 3A [KERA3A]

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').



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



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'

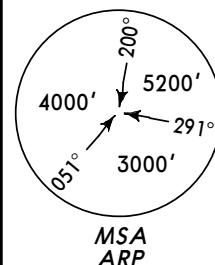
QNH on request (QFE)

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 [LIKO1A]**

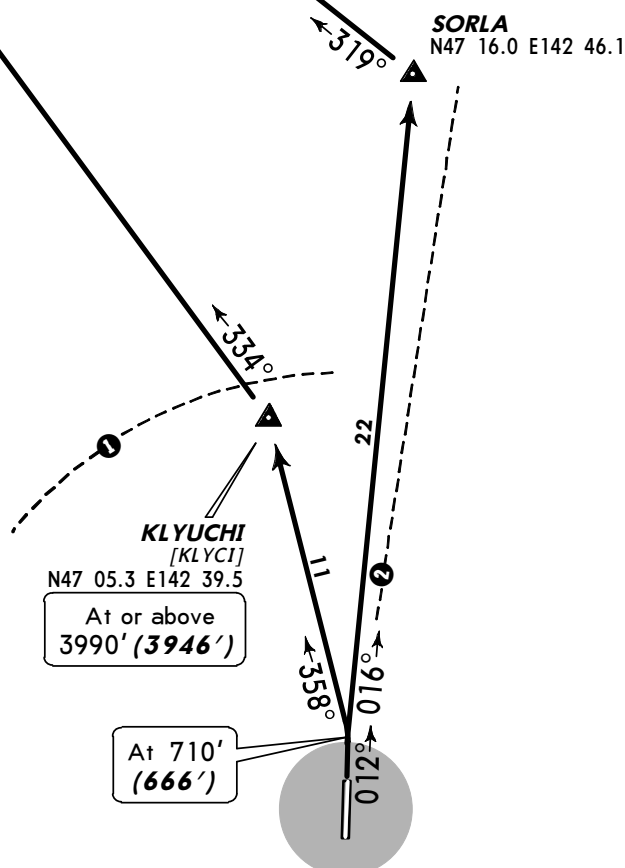
BY ATC

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)



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'

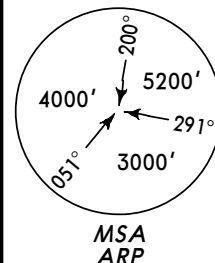
QNH on request (QFE)

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')

NOT TO SCALE

UH(R)-1399

***505 PI**

N46 56.2 E142 43.1

At or above
3990' (3940')At 710'
(660')**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'

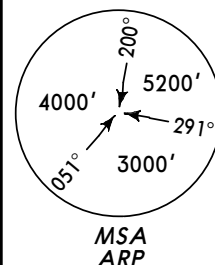
QNH on request (QFE)

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').

[KLYCI]
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

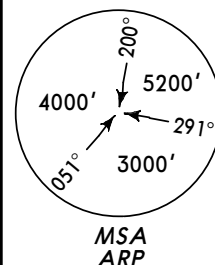
SID**ROUTING****LIKON 5**

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.

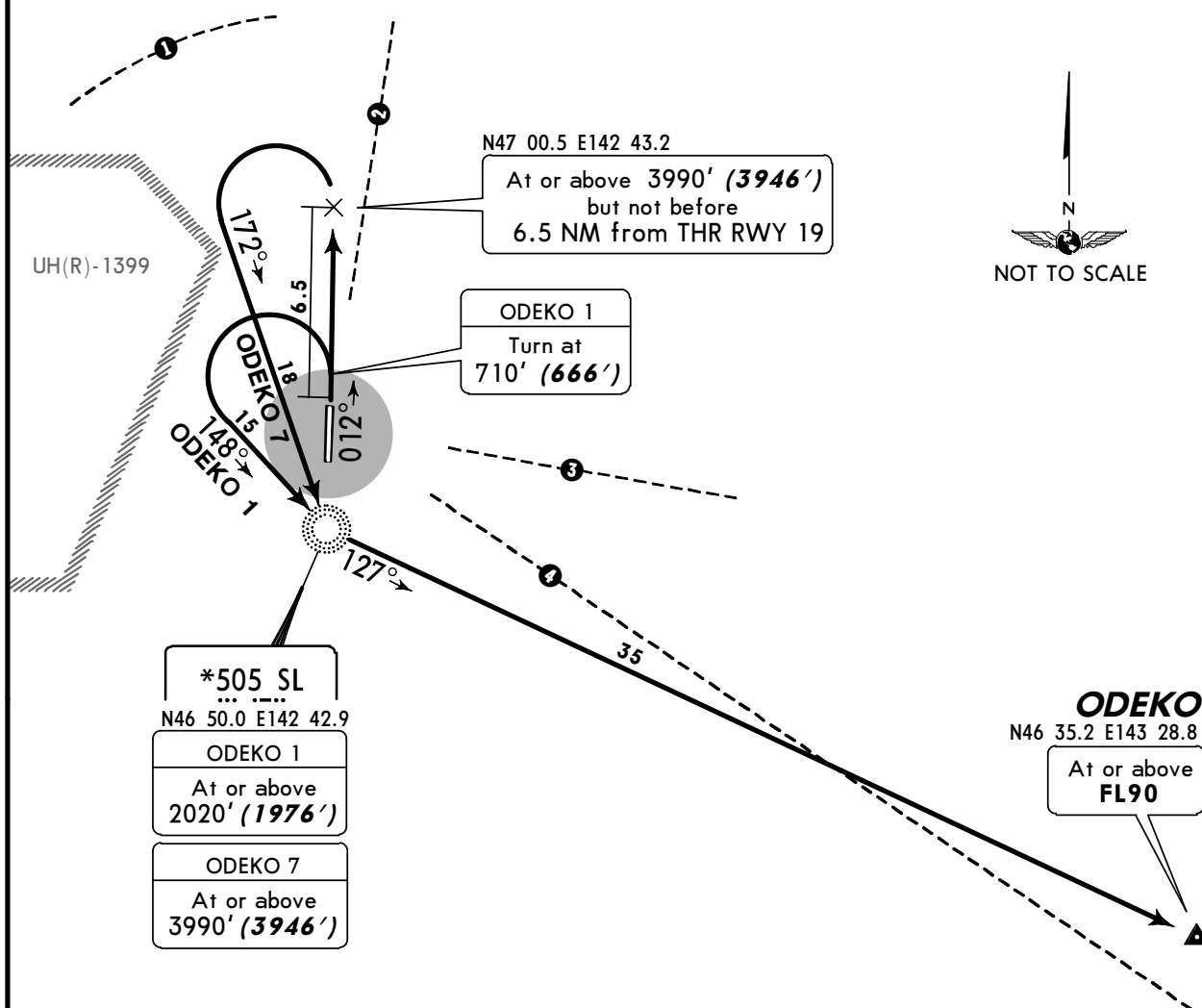
LIKON 5A
By ATC

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.

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')**



CAT C & D



ALT/HEIGHT CONVERSION
QNH (QFE)

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

- ➊ Beyond 13.5 NM from ARP do not fly below 3990' (3946').
- ➋ 020° from ARP between 3.8 NM and 22.7 NM do not fly EAST below 5310' (5266').
- ➌ 111° from ARP between 3.8 NM and 13.5 NM do not fly NORTH below 5310' (5266').
- ➍ 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.

ODEKO 3
RWY 19 DEPARTUREApt Elev
59'

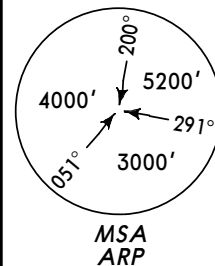
QNH on request (QFE)

Trans level: FL70

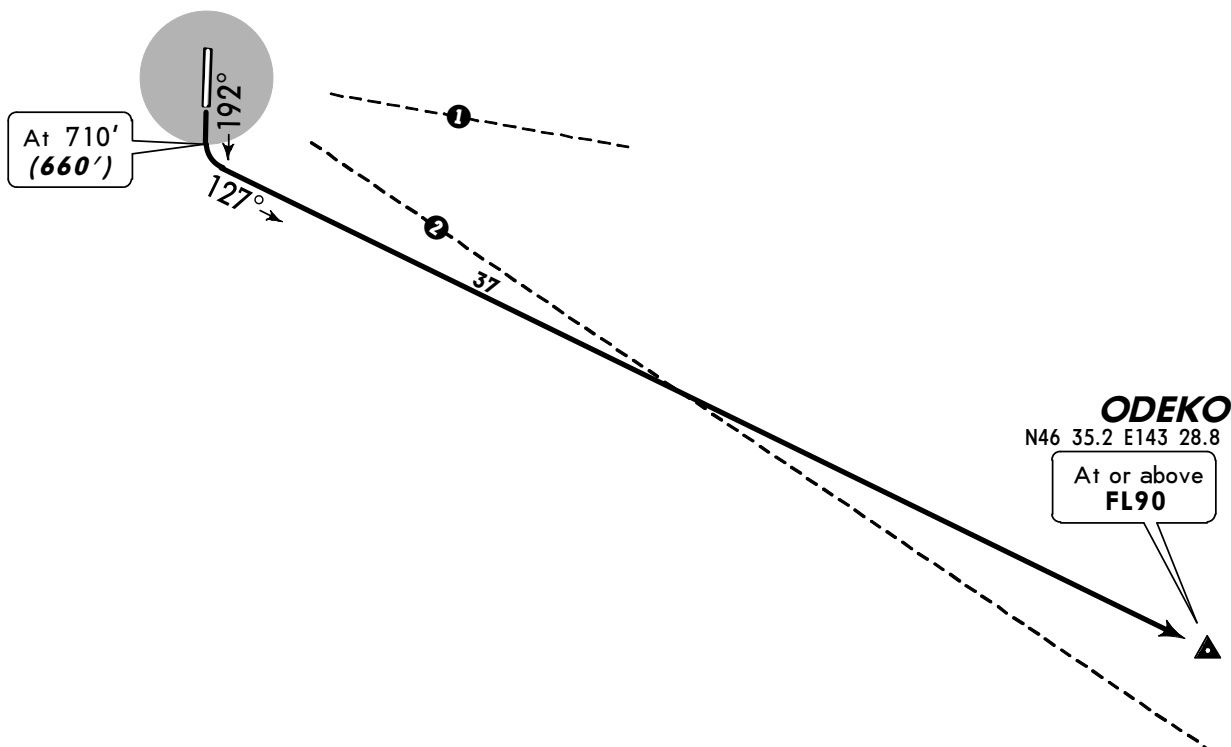
FL80 if pressure is less than 758 mm (1010.6 hPa)

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

Trans alt: 5310' (5260')



- 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'

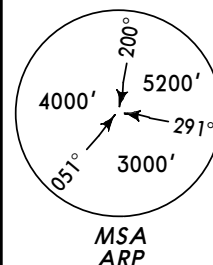
QNH on request (QFE)

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')



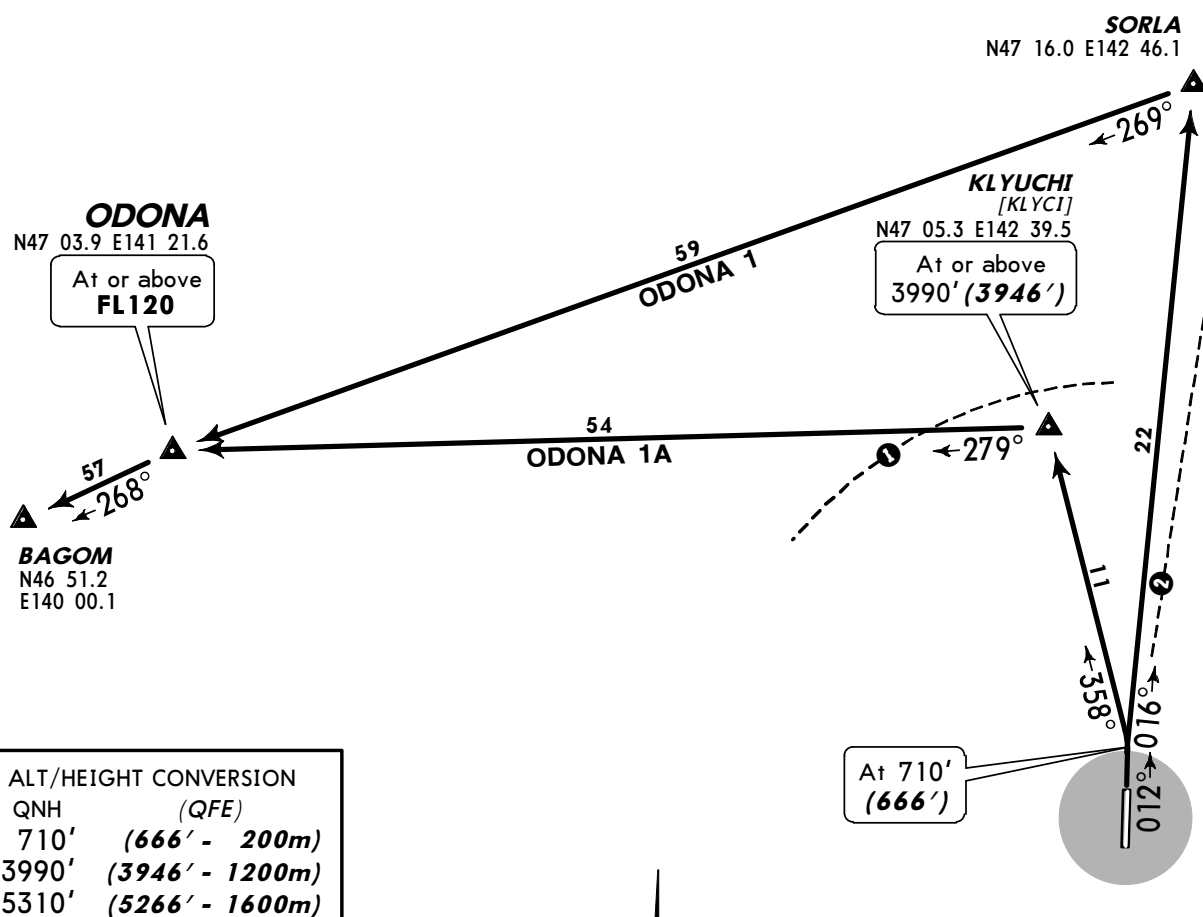
ODONA 1

ODONA 1A [ODON1A]

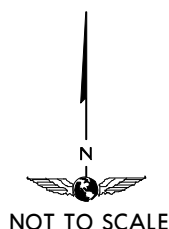
BY ATC

RWY 01 DEPARTURES

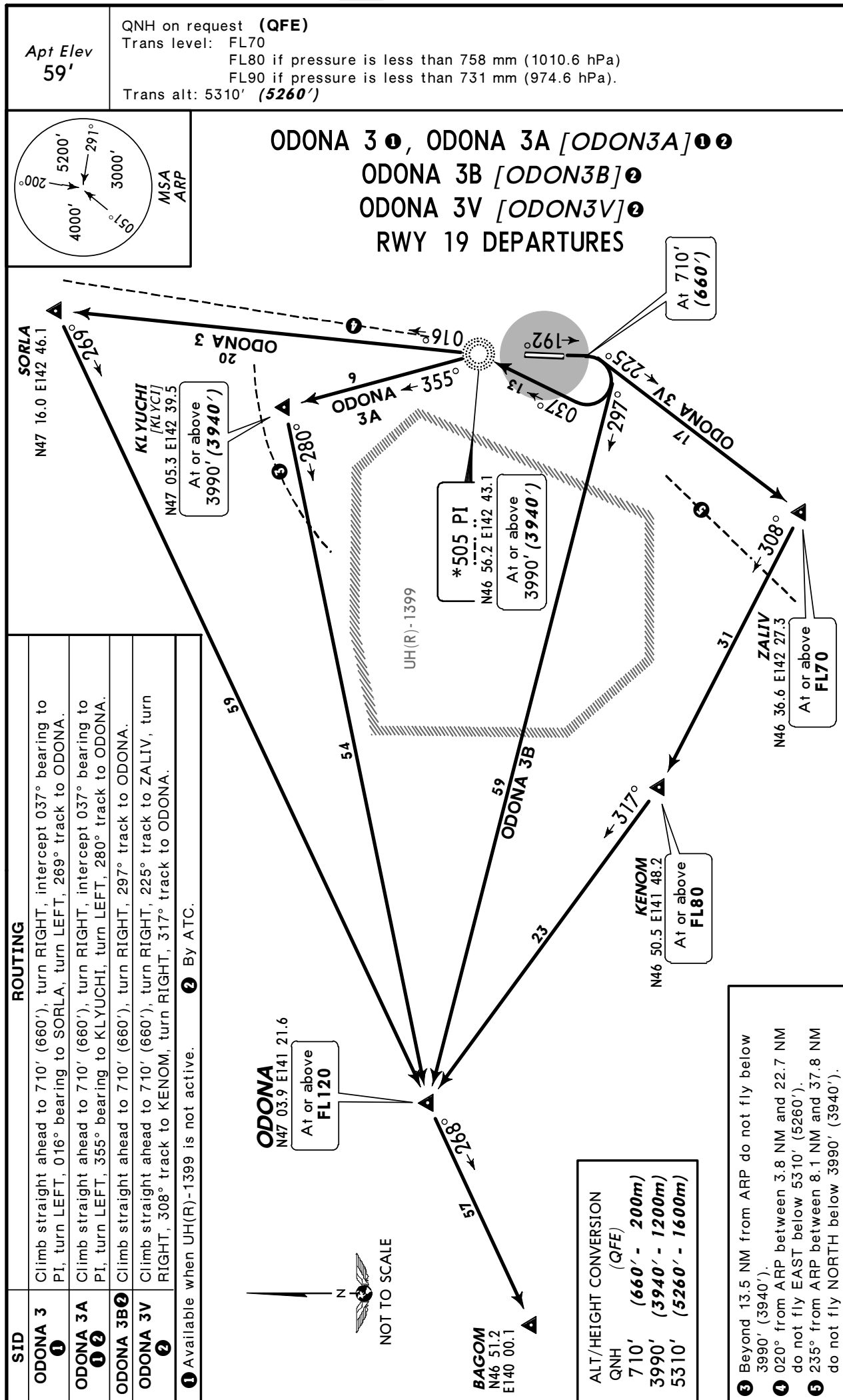
- 1 Beyond 13.5 NM from ARP do not fly below 3990' (3946').
- 2 020° from ARP between 3.8 NM and 22.7 NM do not fly EAST below 5310' (5266').

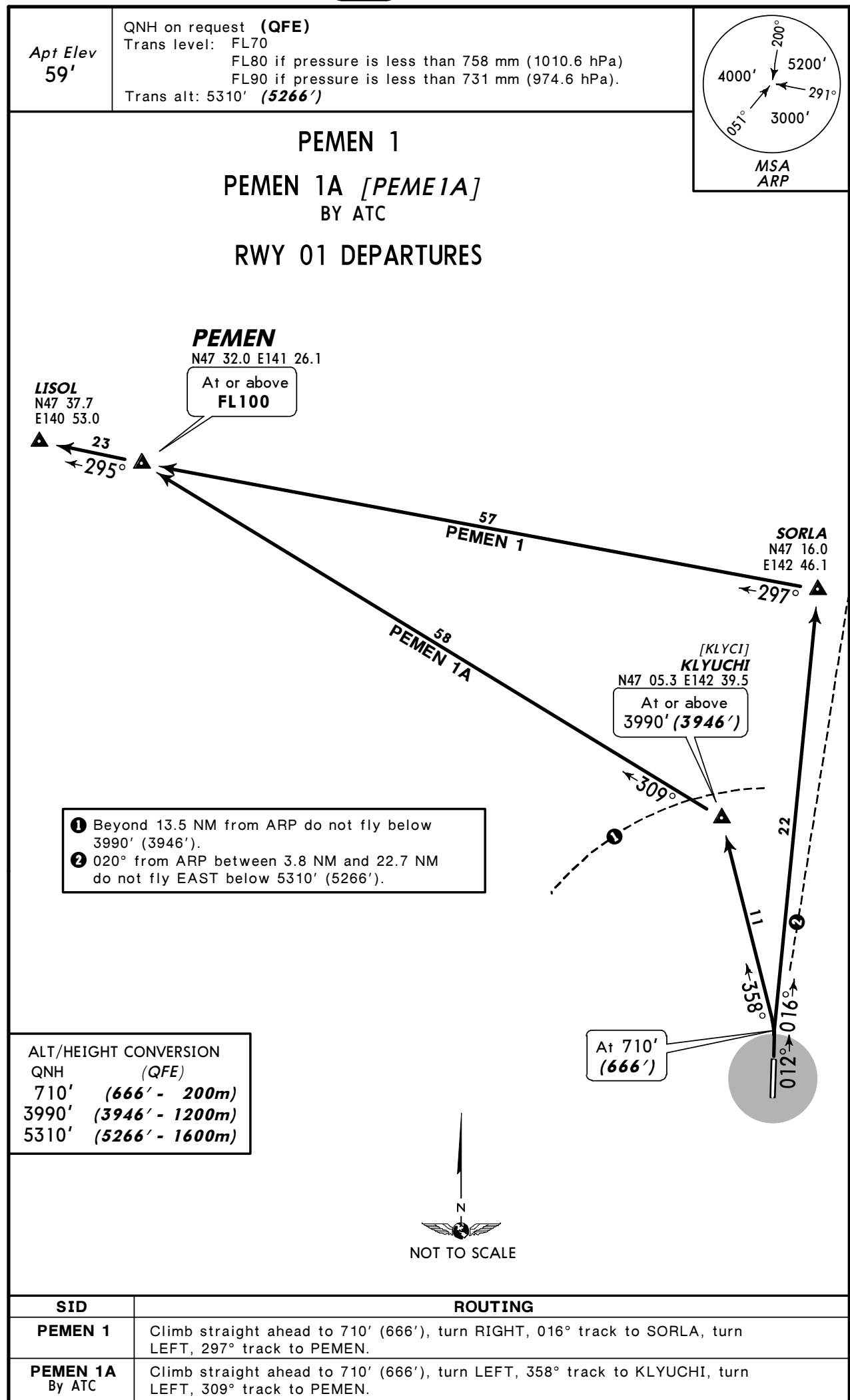


ALT/HEIGHT CONVERSION	
QNH	(QFE)
710'	(666' - 200m)
3990'	(3946' - 1200m)
5310'	(5266' - 1600m)



SID	ROUTING
ODONA 1	Climb straight ahead to 710' (666'), turn RIGHT, 016° track to SORLA, turn LEFT, 269° track to ODONA.
ODONA 1A By ATC	Climb straight ahead to 710' (666'), turn LEFT, 358° track to KLYUCHI, turn LEFT, 279° track to ODONA.





Apt Elev
59'

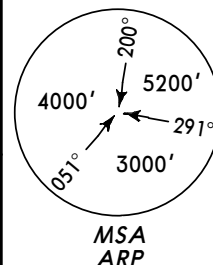
QNH on request (QFE)

Trans level: FL70

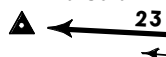
FL80 if pressure is less than 758 mm (1010.6 hPa)

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

Trans alt: 5310' (5260')



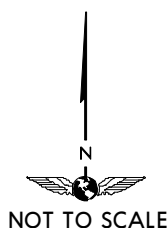
PEMEN 3①, PEMEN 3A [PEME3A] ①②
PEMEN 3B [PEME3B] ①②, PEMEN 3V [PEME3V] ②
RWY 19 DEPARTURES

LISOL
N47 37.7
E140 53.0

PEMEN

N47 32.0 E141 26.1

FL by ATC



KENOM

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')

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'

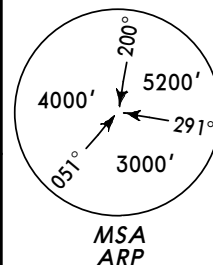
QNH on request (QFE)

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

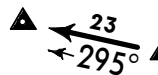
AVAILABLE WHEN UH(R)-1399 IS ACTIVE

CAT C & D

LISOL

N47 37.7

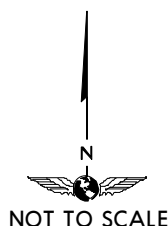
E140 53.0



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').

UH(R)-1399

*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

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'

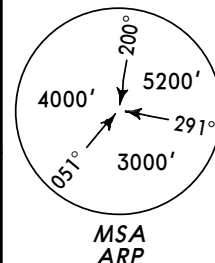
QNH on request (QFE)

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).

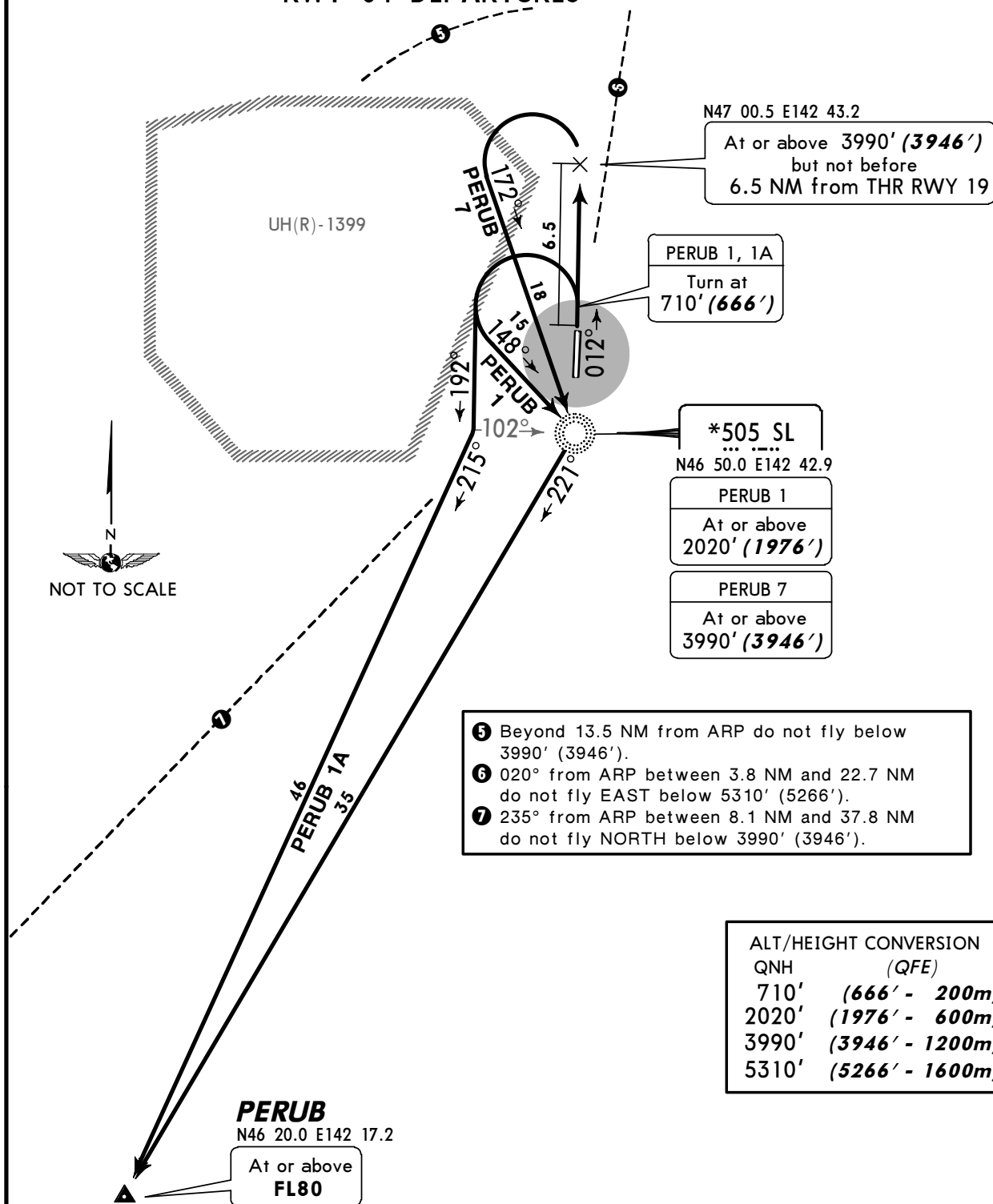
Trans alt: 5310' (5266')



PERUB 1 ①, PERUB 1A [PERU1A]

PERUB 7 ②③④

RWY 01 DEPARTURES



N47 00.5 E142 43.2

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

PERUB 3
RWY 19 DEPARTUREApt Elev
59'

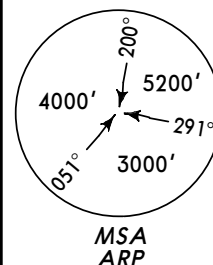
QNH on request (QFE)

Trans level: FL70

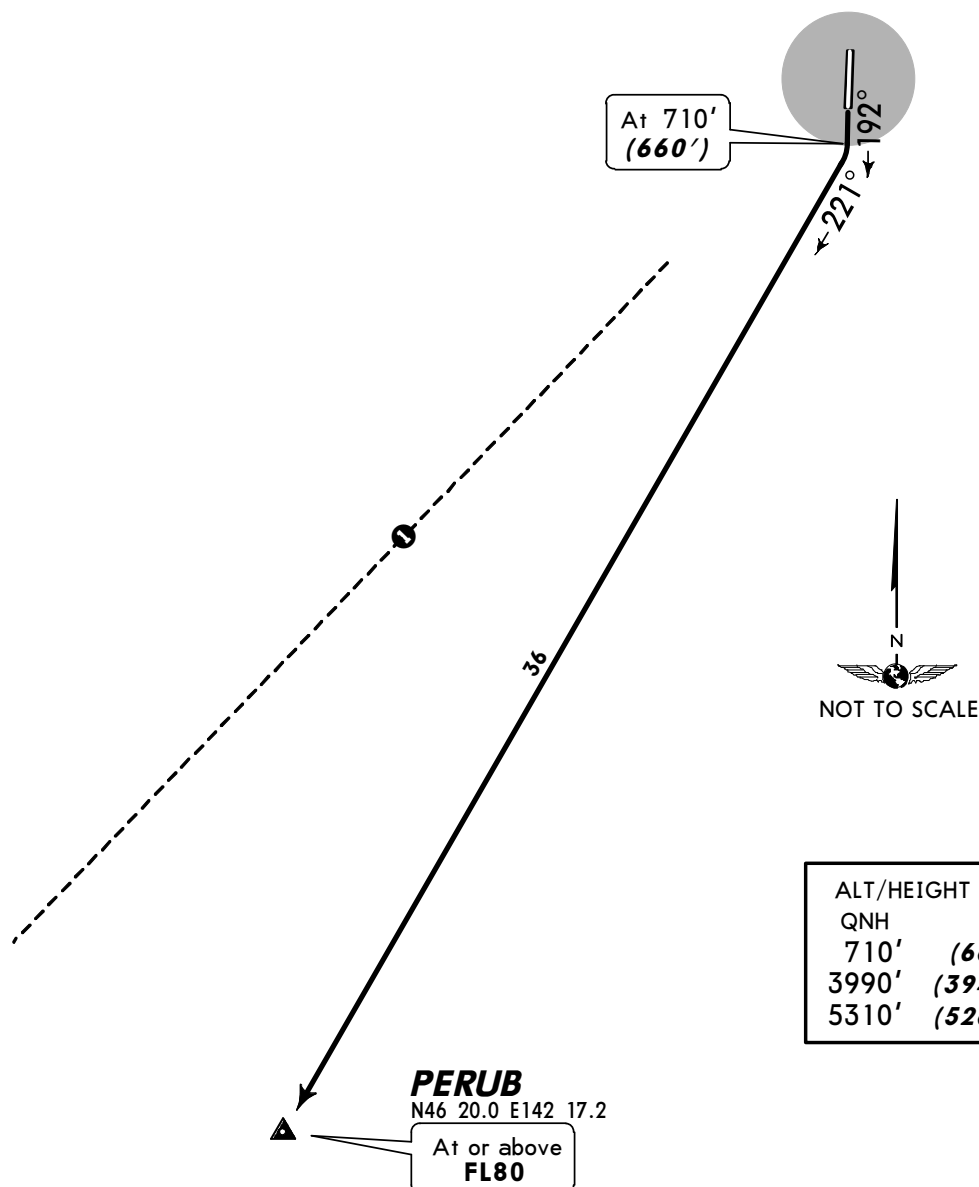
FL80 if pressure is less than 758 mm (1010.6 hPa)

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

Trans alt: 5310' (5260')



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



ALT/HEIGHT CONVERSION

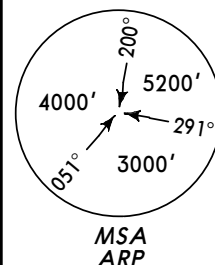
QNH	(QFE)
710'	(660' - 200m)
3990'	(3940' - 1200m)
5310'	(5260' - 1600m)

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')



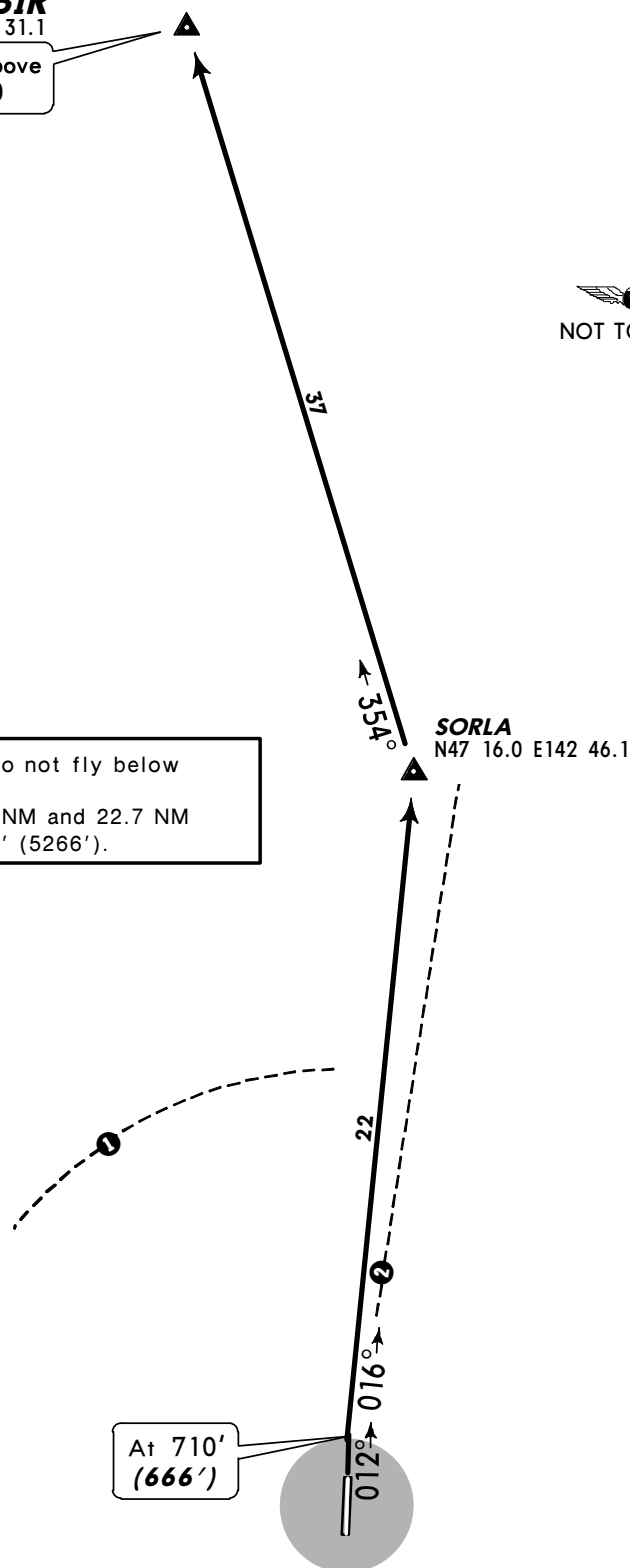
VIBIR 1 RWY 01 DEPARTURE ONLY FOR RUSSIAN USERS OF AIRSPACE

VIBIR
N47 51.0 E142 31.1
At 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').



ROUTING

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

Apt Elev
59'

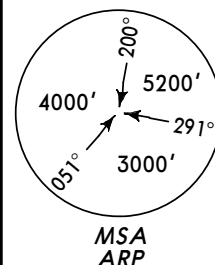
QNH on request (QFE)

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

VIBIR

N47 51.0 E142 31.1

At or above
FL80

SORLA

N47 16.0 E142 46.1

- 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 3
037°
VIBIR 5
030°
6.5

*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'

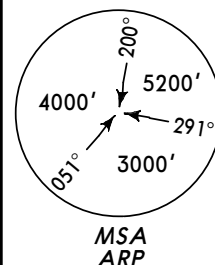
QNH on request (QFE)

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

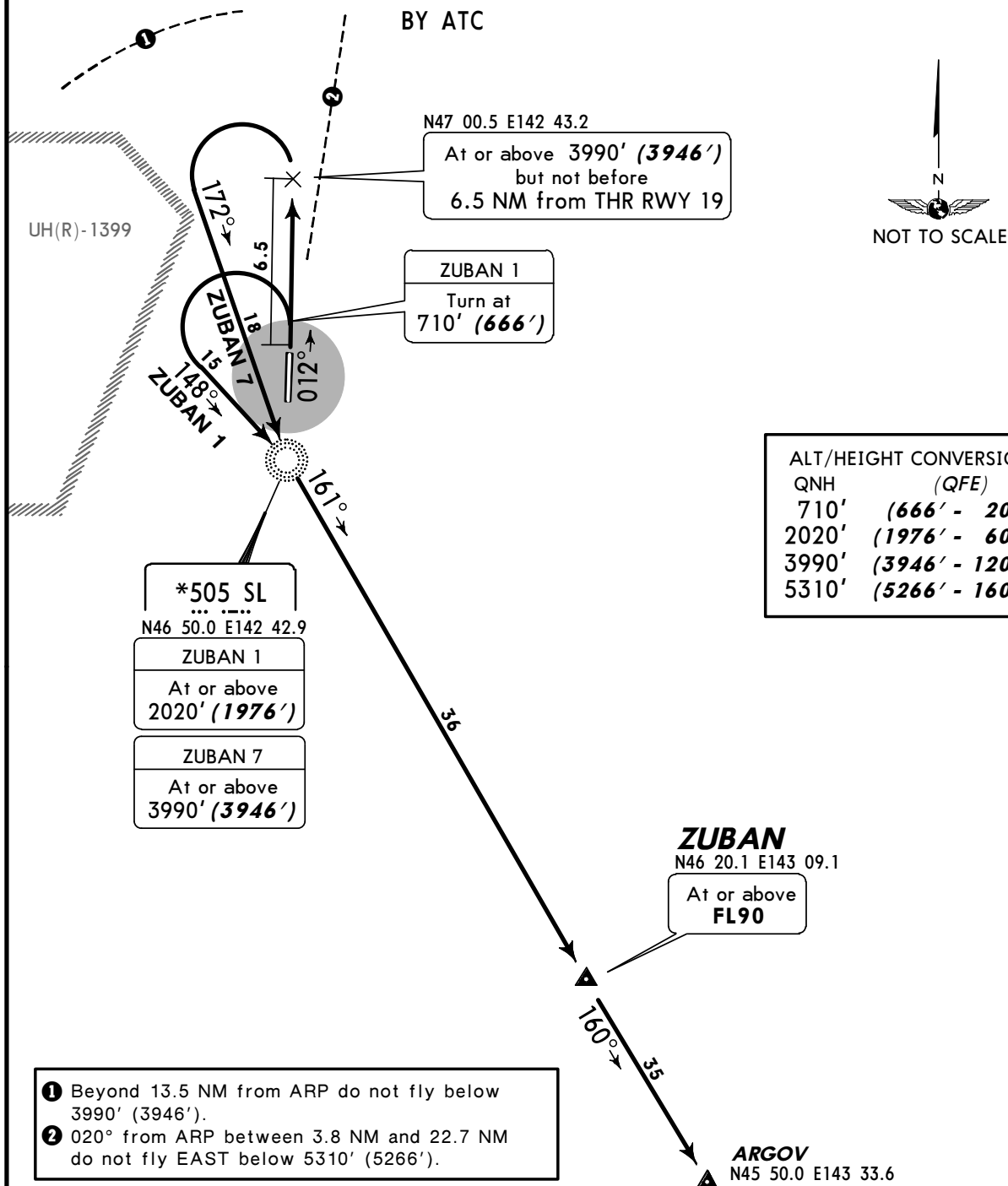
AVAILABLE WHEN UH(R)-1399 IS NOT ACTIVE

ZUBAN 7

AVAILABLE WHEN UH(R)-1399 IS ACTIVE

CAT C & D

RWY 01 DEPARTURES

ONLY FOR RUSSIAN USERS OF AIRSPACE
BY ATC

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').

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'

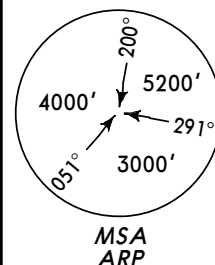
QNH on request (QFE)

Trans level: FL70

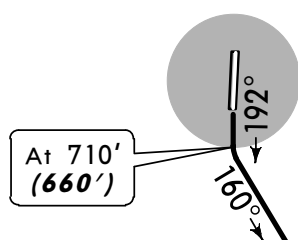
FL80 if pressure is less than 758 mm (1010.6 hPa)

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

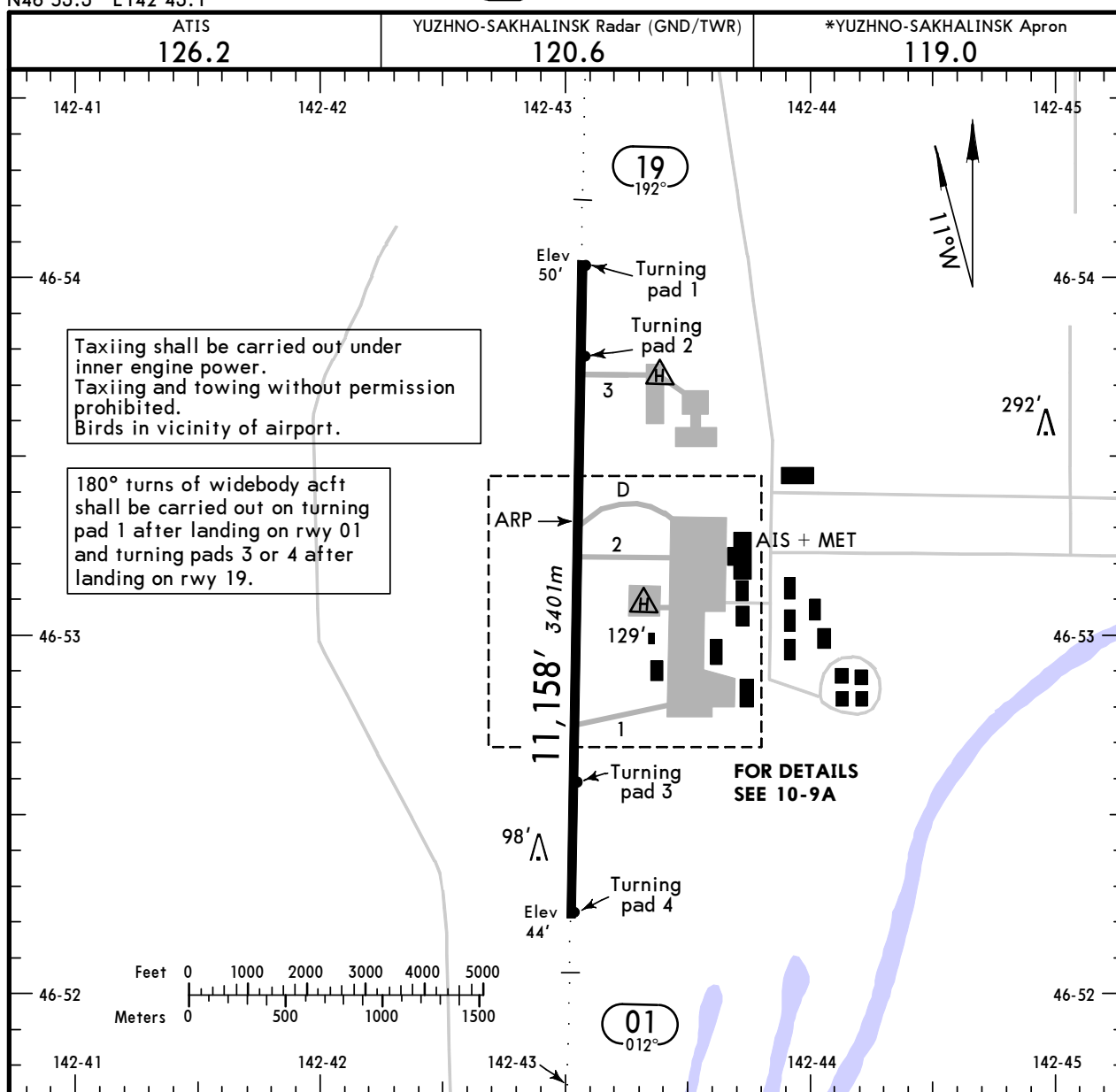


35

ARGOV
N45 50.0 E143 33.6

ROUTING

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



ADDITIONAL RUNWAY INFORMATION

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

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 1 int	7710' (2350m)		twy D int	7513' (2290m)
	twy 2 int	4757' (1450m)		twy 2 int	6069' (1850m)
	twy D int	3314' (1010m)		twy 1 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.

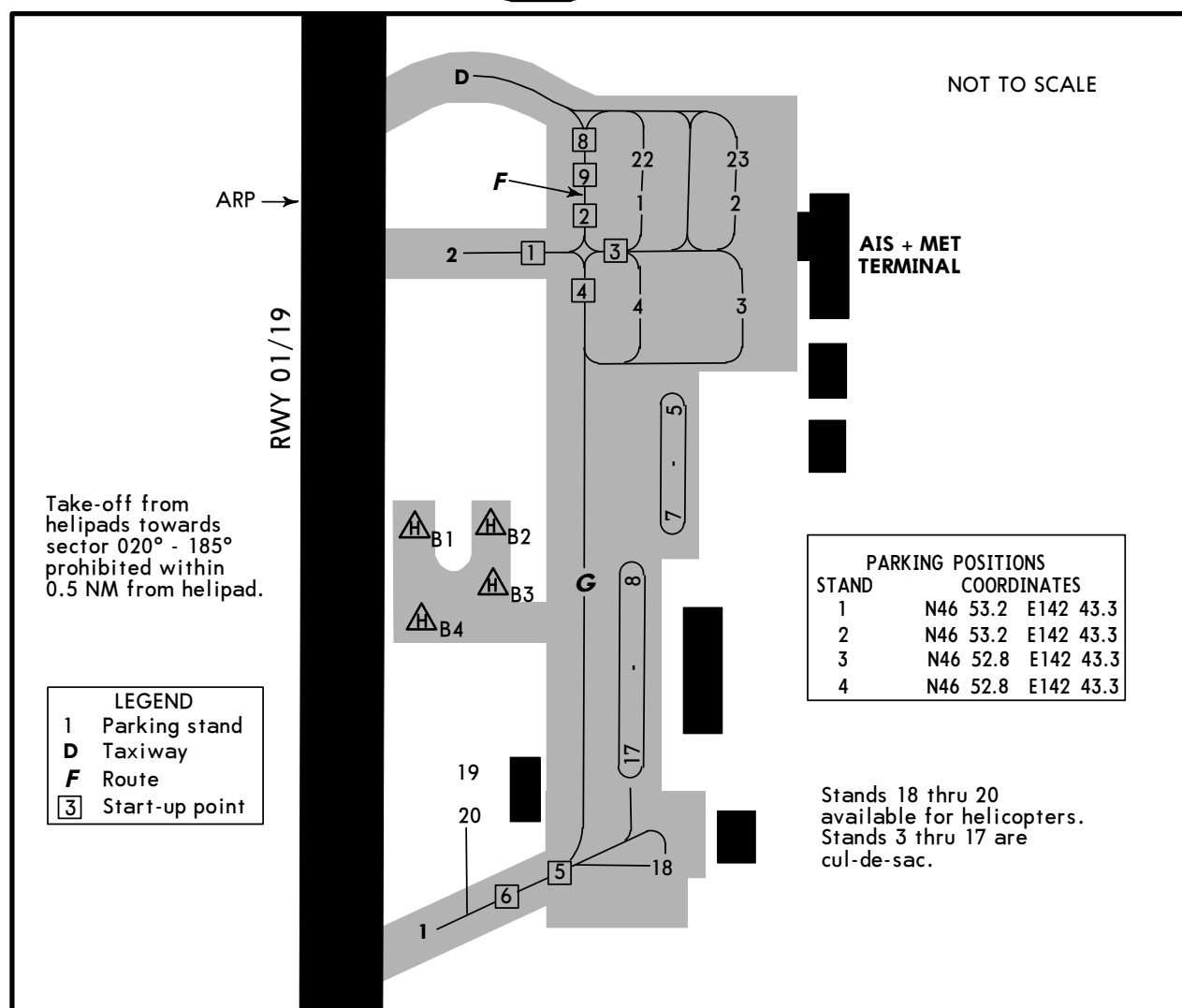
TAKE-OFF

AIR CARRIER (JAA)
All Rwys

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

RCLM (DAY only)
or RL

A		
B	250m	400m
C		
D	300m	



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	370'(326') R1300m	370'(326') R1300m	370'(326') R1300m	370'(326') R1300m
	with FAF	R1500m	R1500m	R1500m	R1500m
	ALS out	R1500m	R1500m	R1500m	R1500m
	SL NDB ❶	920'(876') R1500m	920'(876') R1500m	920'(875') C2400m	920'(875') C2400m
	with FAF	R1500m	R1500m	C2400m	C2400m
	2 NDB or SL NDB ❶❷	1110'(1066') R1500m	1110'(1066') R1500m	1110'(1066') C2400m	1110'(1066') C2400m
	w/o FAF	R1500m	R1500m	C2400m	C2400m
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	420'(370') R1500m	420'(370') R1500m	420'(370') R1500m	420'(370') R1500m
	with FAF	R1500m	R1500m	R1500m	R1500m
	ALS out	R1500m	R1500m	R1700m	R1700m
	PI NDB ❶	1150'(1100') R1500m	1150'(1100') R1500m	1150'(1100') C4600m	1150'(1100') C4900m
	with FAF	R1500m	R1500m	C4600m	C4900m
	2 NDB or PI NDB ❶❷	2110'(2060') C5000m	2110'(2060') C5000m	2110'(2060') C5000m	2110'(2060') C5000m
	w/o FAF	C5000m	C5000m	C5000m	C5000m
19	2 NDB or PI NDB ❸	2110'(2060') C5000m	2110'(2060') C5000m	2110'(2060') C5000m	2110'(2060') C5000m
	w/o FAF	C5000m	C5000m	C5000m	C5000m
	P NDB ❶	1280'(1230') C5000m	1280'(1230') C5000m	1280'(1230') C5000m	1280'(1230') C5000m
	with FAF	C5000m	C5000m	C5000m	C5000m
	P NDB	2120'(2070') C5000m	2120'(2070') C5000m	2120'(2070') C5000m	2120'(2070') C5000m
	w/o FAF	C5000m	C5000m	C5000m	C5000m

❶ Continuous Descent Final Approach.

❷ With FMS.

❸ W/o FMS.

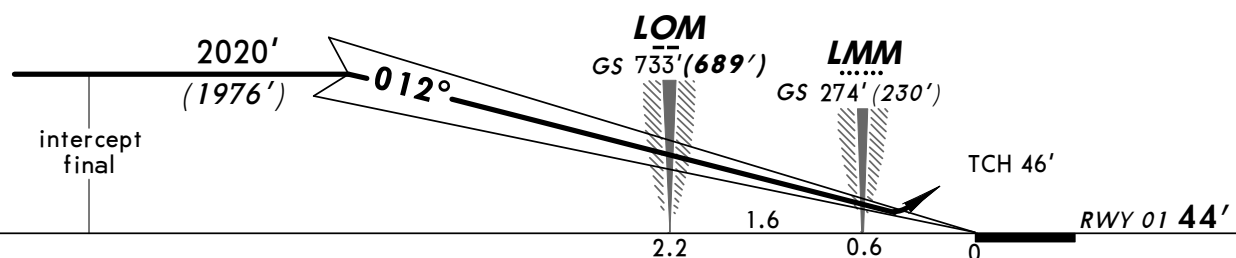
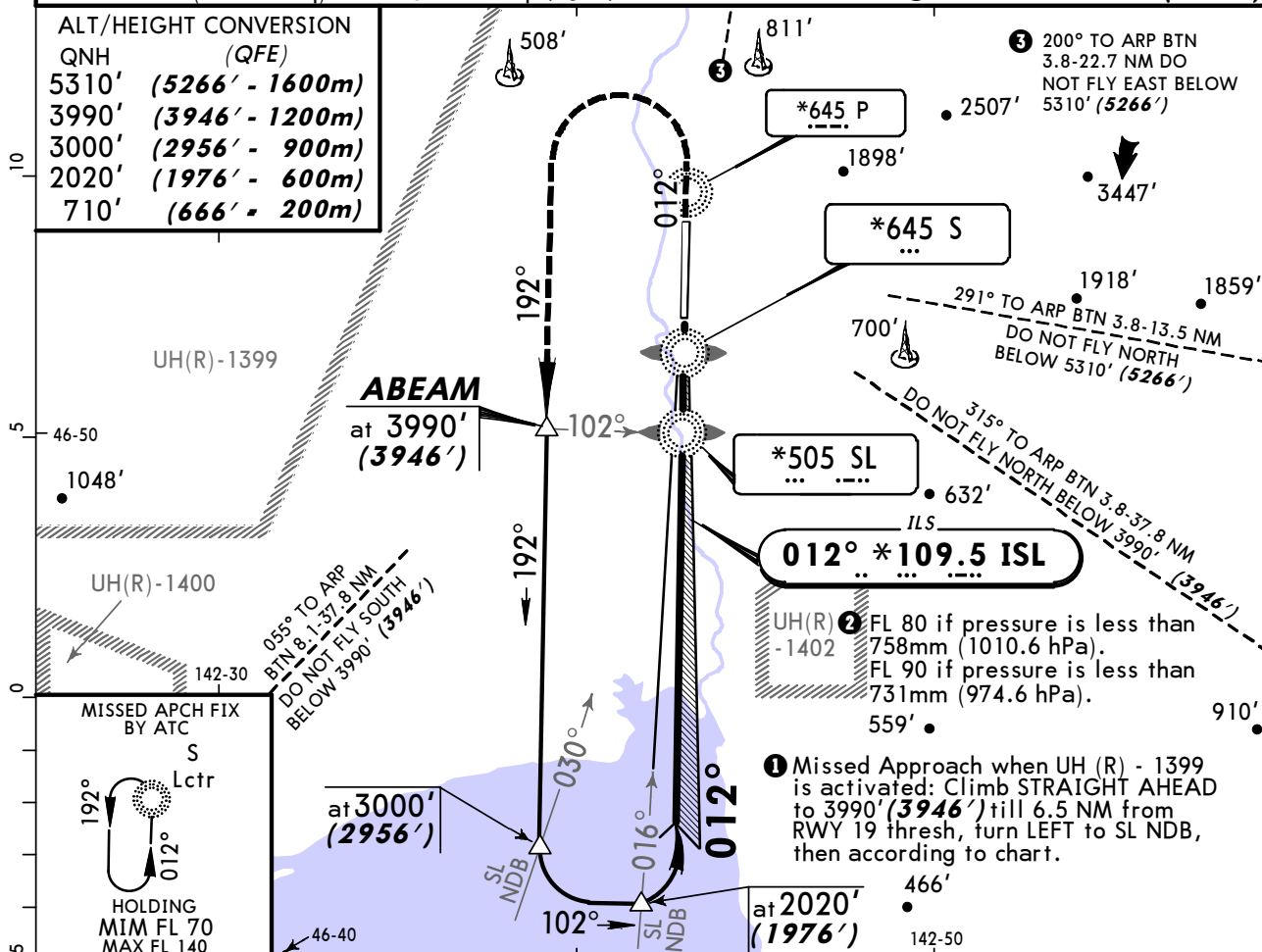
TAKE-OFF RWY 01, 19

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.

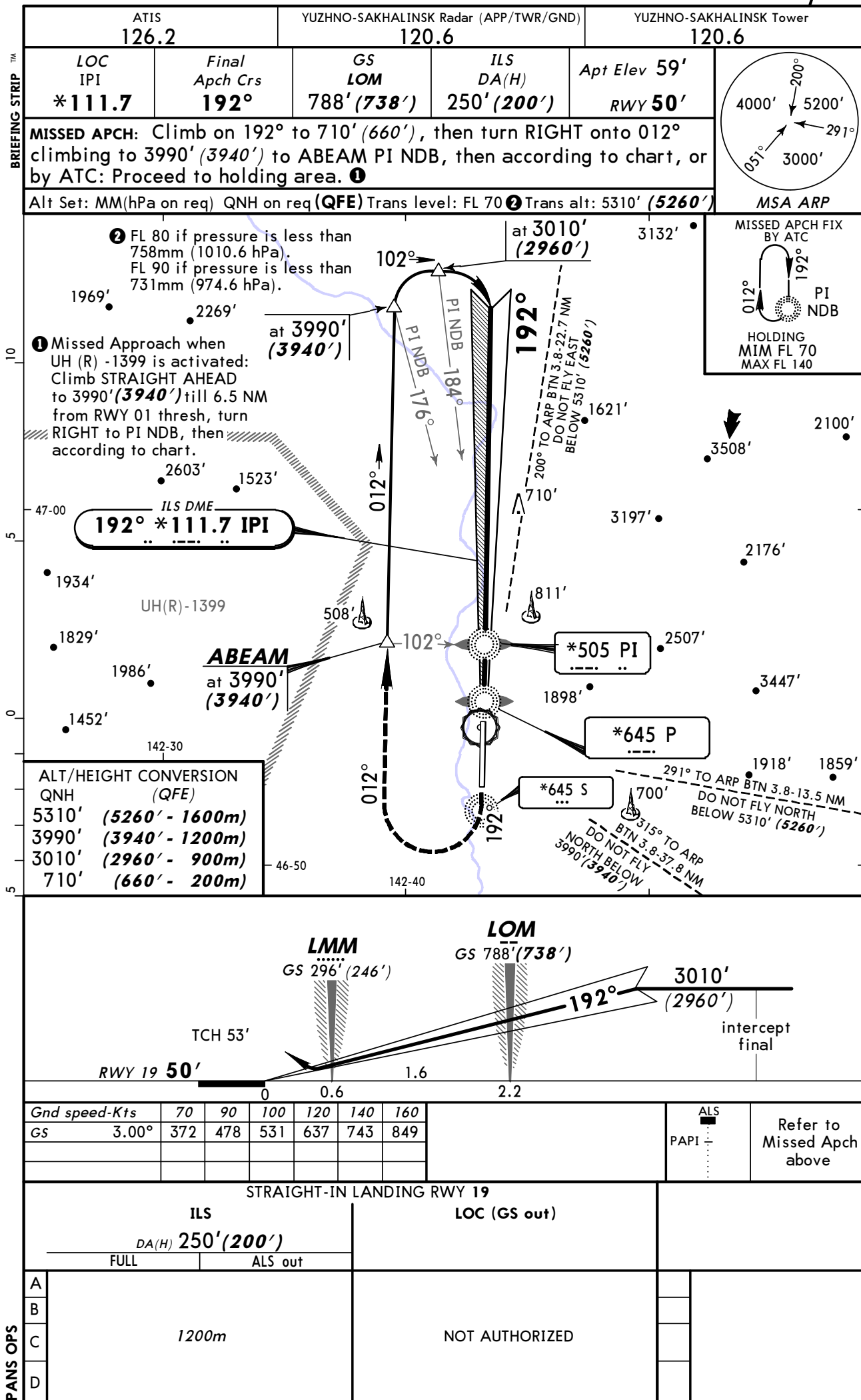
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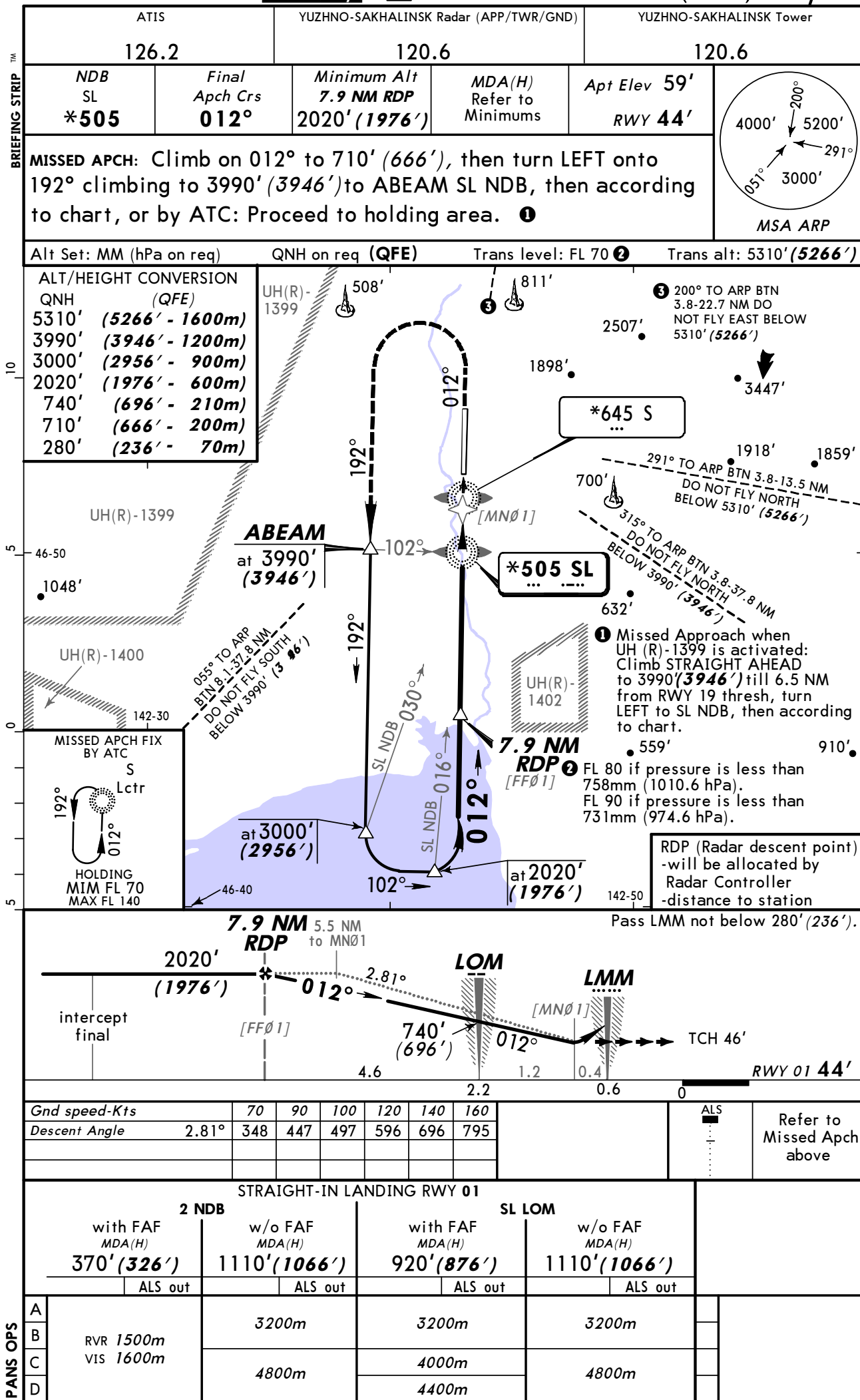
ALT/HEIGHT CONVERSION	
QNH	(QFE)
5310'	(5266' - 1600m)
3990'	(3946' - 1200m)
3000'	(2956' - 900m)
2020'	(1976' - 600m)
710'	(666' - 200m)

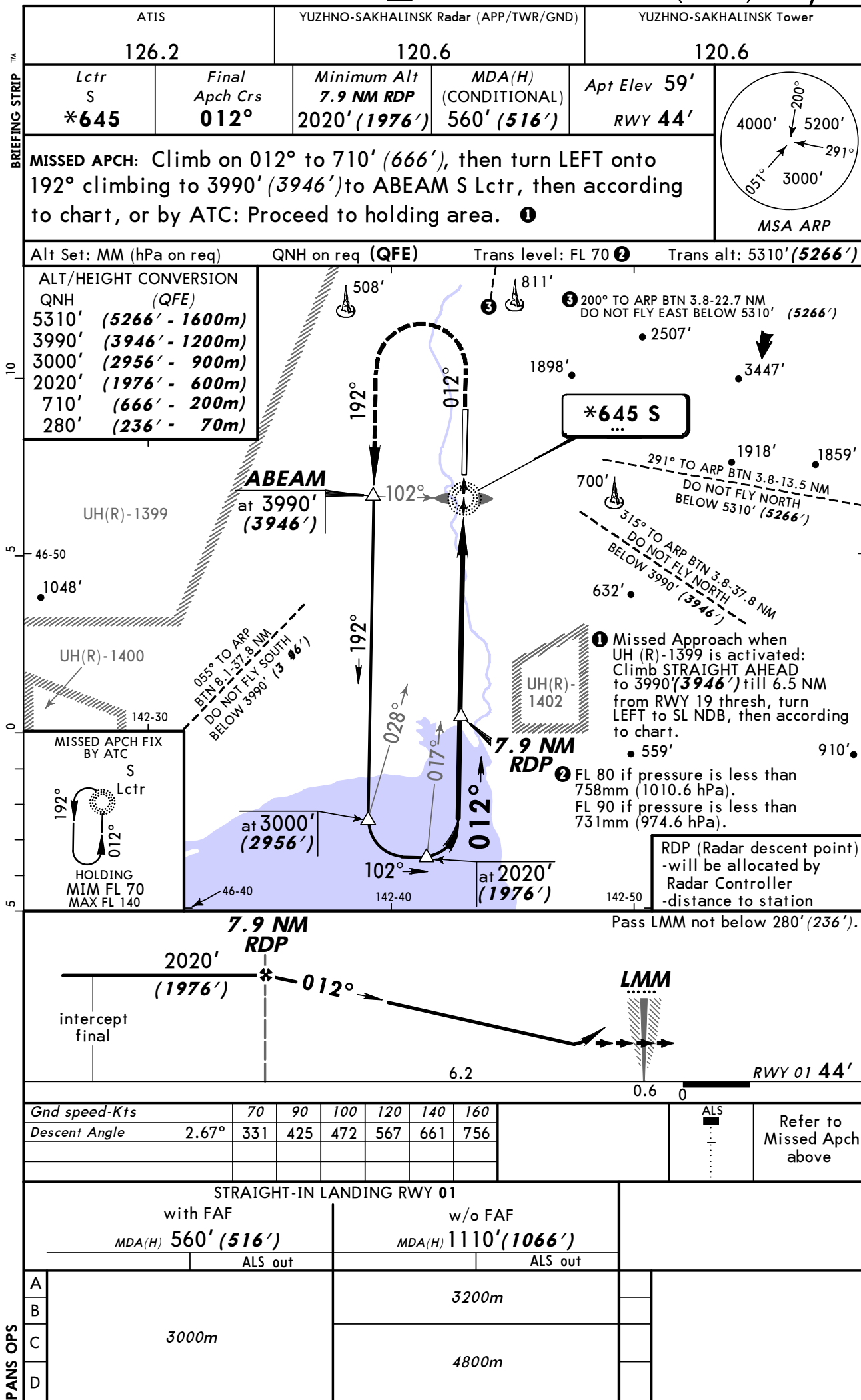


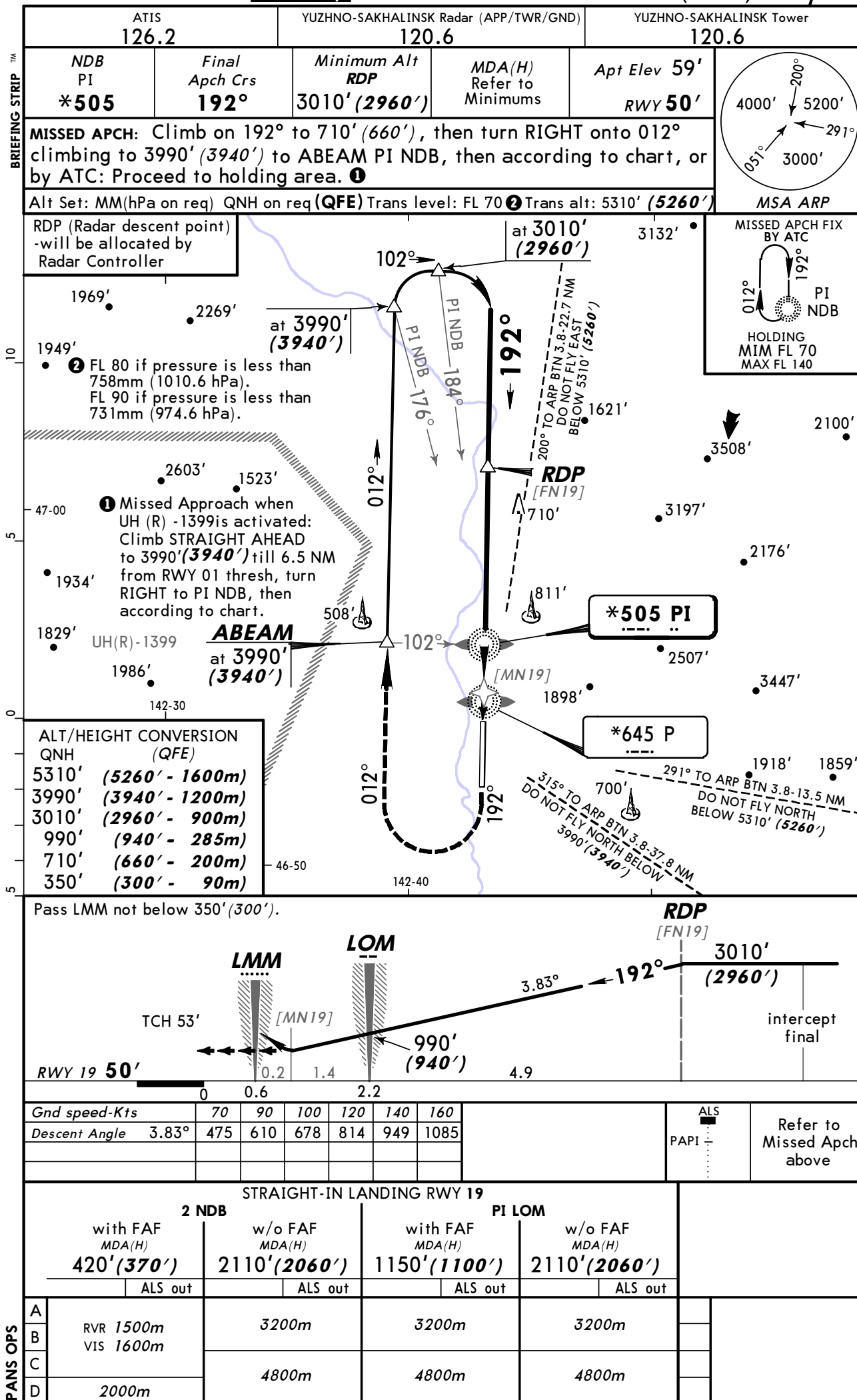
<i>Gnd speed-Kts</i>	70	90	100	120	140	160		ALS — — —	Refer to Missed Apcd above
<i>Gs</i> 2.67°	331	425	472	567	661	756			

STRAIGHT-IN LANDING RWY 01			
ILS $DA(H)$ 244' (200')		LOC (GS out)	
FULL		ALS out	
A	1200m	NOT AUTHORIZED	
B			
C			
D			









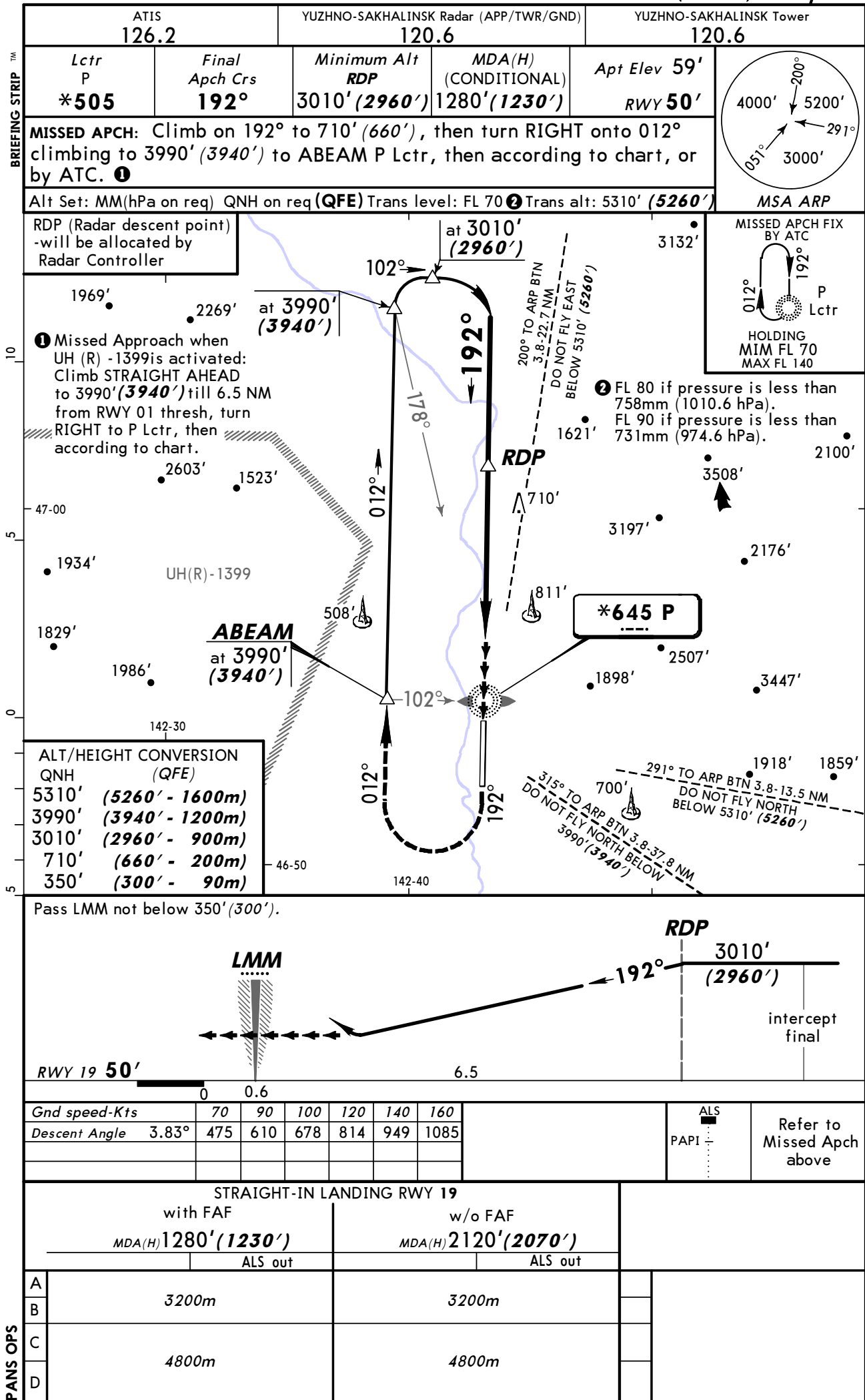




Chart changes since cycle 16-2013

ADD = added chart, REV = revised chart, DEL = deleted chart.

ACT	PROCEDURE IDENT	INDEX	REV DATE	EFF DATE
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YUZHNO-SAKHALINSK, (KHOMUTOVO - UHSS)

TERMINAL CHART CHANGE NOTICES

No Chart Change Notices for Airport UHSS