

List of pages in this Trip Kit

Trip Kit Index

Airport Information For UHSS

Terminal Charts For UHSS

Revision Letter For Cycle 08-2012

Change Notices

Notebook

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: No

Jet Start Unit: No

LLWS Alert: No

Beacon: No

Sunrise: 1934 Z

Sunset: 0923 Z,

Runway Information

Runway: 01

Length x Width: 11155 ft x 148 ft

Surface Type: concrete

TDZ-Elev: 45 ft

Lighting: Edge, ALS

Runway: 19

Length x Width: 11155 ft x 148 ft

Surface Type: concrete

TDZ-Elev: 50 ft

Lighting: Edge, ALS

Communication Information

ATIS 126.2

Yuzhno-Sakhalinsk Krug Radar 120.6

STAR DESIGNATION	REFER TO CHART
ODEKO 2 (MIN 165KT)	10-2B
ODEKO 2 (MAX 165KT, CAT A & B)	10-2C
ODEKO 4 (MIN 165KT)	10-2D
ODEKO 4 (MAX 165KT, CAT A & B)	10-2E
PERUB 2, 2A & 2B (MIN 165KT)	10-2F
PERUB 2 & 2A (MAX 165KT, CAT A & B)	10-2G
PERUB 4 (MIN 165KT)	10-2H
PERUB 4 (MAX 165KT, CAT A & B)	10-2J
KERAG 2, 8 & 8A (MIN 165KT)	10-2K
KERAG 2 & 8 (MAX 165KT, CAT A & B)	10-2L
KERAG 4 (MIN 165KT)	10-2M
KERAG 4 (MAX 165KT, CAT A & B)	10-2N
KERAG 2A (MIN 165KT)	10-2P
KERAG 2A (MAX 165KT, CAT A & B)	10-2Q
KERAG 4A (MIN 165KT)	10-2Q1
KERAG 4A (MAX 165KT, CAT A & B)	10-2Q2
ODONA & PEMEN 2 (MIN 165KT)	10-2Q3
ODONA & PEMEN 2 (MAX 165KT, CAT A & B)	10-2Q4
ODONA & PEMEN 4V & 6 (MIN 165KT)	10-2S
ODONA & PEMEN 4, 4V & 6 (MAX 165KT, CAT A & B)	10-2T
ODONA & PEMEN 2A (MIN 165KT)	10-2T1
ODONA & PEMEN 2A (MAX 165KT, CAT A & B)	10-2T2
ODONA & PEMEN 4A (MIN 165KT)	10-2T3
ODONA & PEMEN 4A (MAX 165KT, CAT A & B)	10-2T4
ODONA & PEMEN 2B, 8 & 8A (MIN 165KT)	10-2T5
ODONA & PEMEN 2B & 8 (MAX 165KT, CAT A & B)	10-2T6
ODONA & PEMEN 4B (MIN 165KT)	10-2T7
ODONA & PEMEN 4B (MAX 165KT, CAT A & B)	10-2T8
LIKON 2 (MIN 165KT)	10-2U
LIKON 2 (MAX 165KT, CAT A & B)	10-2V
LIKON 4V & 6 (MIN 165KT)	10-2V1
LIKON 4, 4V & 6 (MAX 165KT, CAT A & B)	10-2V2
BIKUR & LIKON 2A (MIN 165KT)	10-2V3
BIKUR & LIKON 2A (MAX 165KT, CAT A & B)	10-2V4
BIKUR & LIKON 4A (MIN 165KT)	10-2V5
BIKUR & LIKON 4A (MAX 165KT, CAT A & B)	10-2V6
cont'd	

STAR DESIGNATION	REFER TO CHART
BIKUR 2B, 8 & 8A (MIN 165KT)	10-2V7
BIKUR 2B & 8 (MAX 165KT, CAT A & B)	10-2V8
BIKUR 4B (MIN 165KT)	10-2W
BIKUR 4B (MAX 165KT, CAT A & B)	10-2X
ARR FROM SOUTHEAST (RWY 01)	10-2X1
ARR FROM SOUTHEAST (RWY 19)	10-2X2
ARR FROM SOUTH (RWY 01)	10-2X3
ARR FROM SOUTH (RWY 19)	10-2X4
ARR FROM WEST (RWY 01)	10-2X5
ARR FROM WEST (RWY 19)	10-2X6
ARR FROM NORTHWEST (RWY 01)	10-2X7
ARR FROM NORTHWEST (RWY 19)	10-2X8

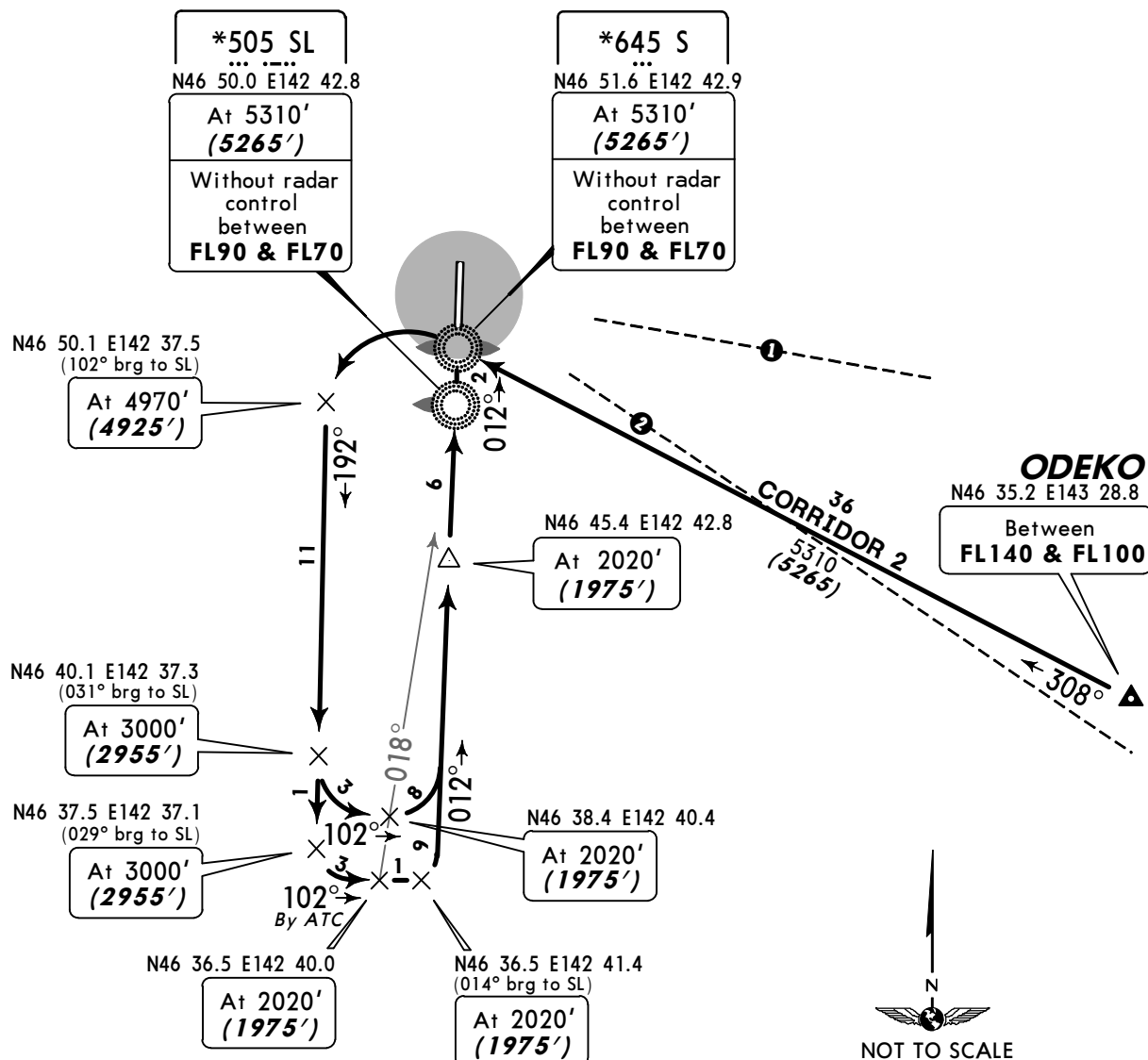
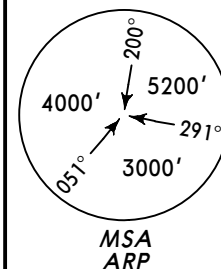
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5265')

ATIS
126.2Apt Elev
59'

ODEKO 2

RWY 01 ARRIVAL

MINIMUM 165 KT



- 291° to ARP between 13.5 NM and 3.8 NM do not fly north below 5310' (5265').
- 315° to ARP between 37.8 NM and 3.8 NM do not fly north below 3990' (3945').

ALT/HEIGHT CONVERSION	
QNH	(QFE)
5310'	(5265' - 1600m)
4970'	(4925' - 1500m)
3990'	(3945' - 1200m)
3000'	(2955' - 900m)
2020'	(1975' - 600m)

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)

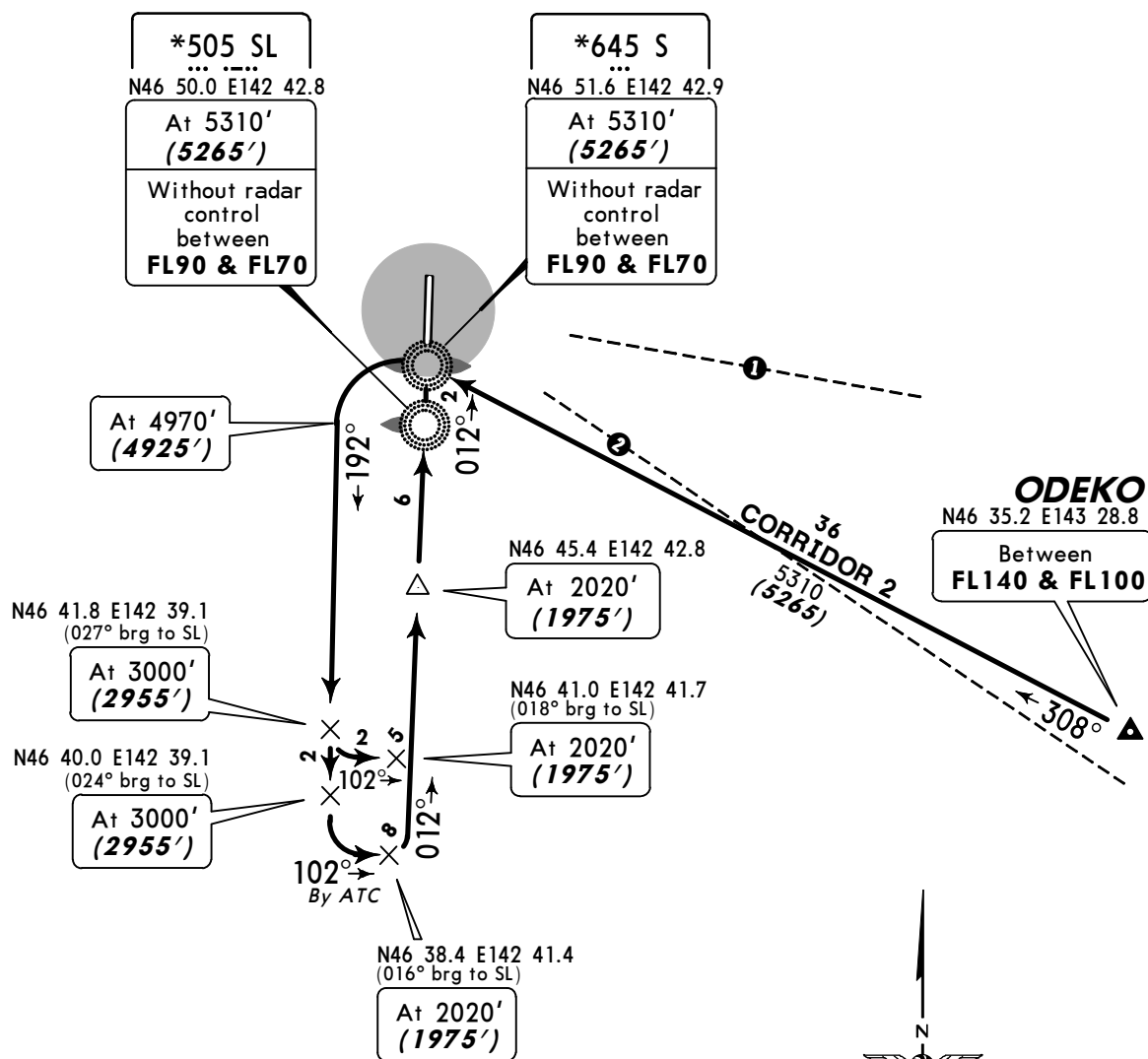
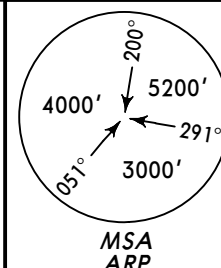
FL90 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 5310' (5265')

ODEKO 2
RWY 01 ARRIVAL

MAX 165 KT

CAT A & B



- ① 291° to ARP between 13.5 NM and 3.8 NM
do not fly north below 5310' (5265').
- ② 315° to ARP between 37.8 NM and 3.8 NM
do not fly north below 3990' (3945').

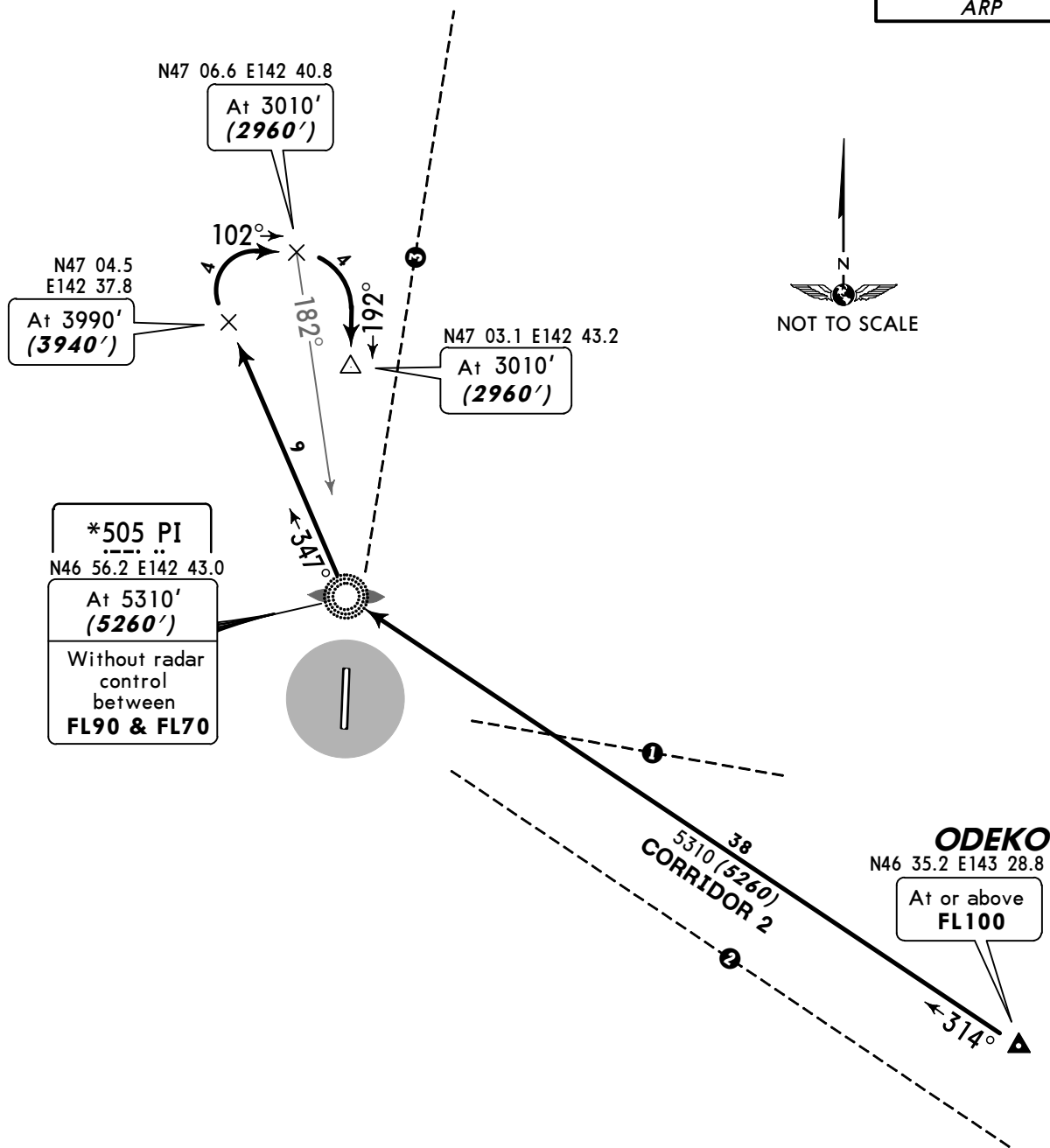
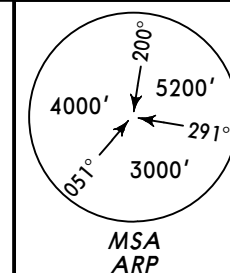
ALT/HEIGHT CONVERSION
QNH (QFE)

5310'	(5265' - 1600m)
4970'	(4925' - 1500m)
3990'	(3945' - 1200m)
3000'	(2955' - 900m)
2020'	(1975' - 600m)

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
MINIMUM 165 KT



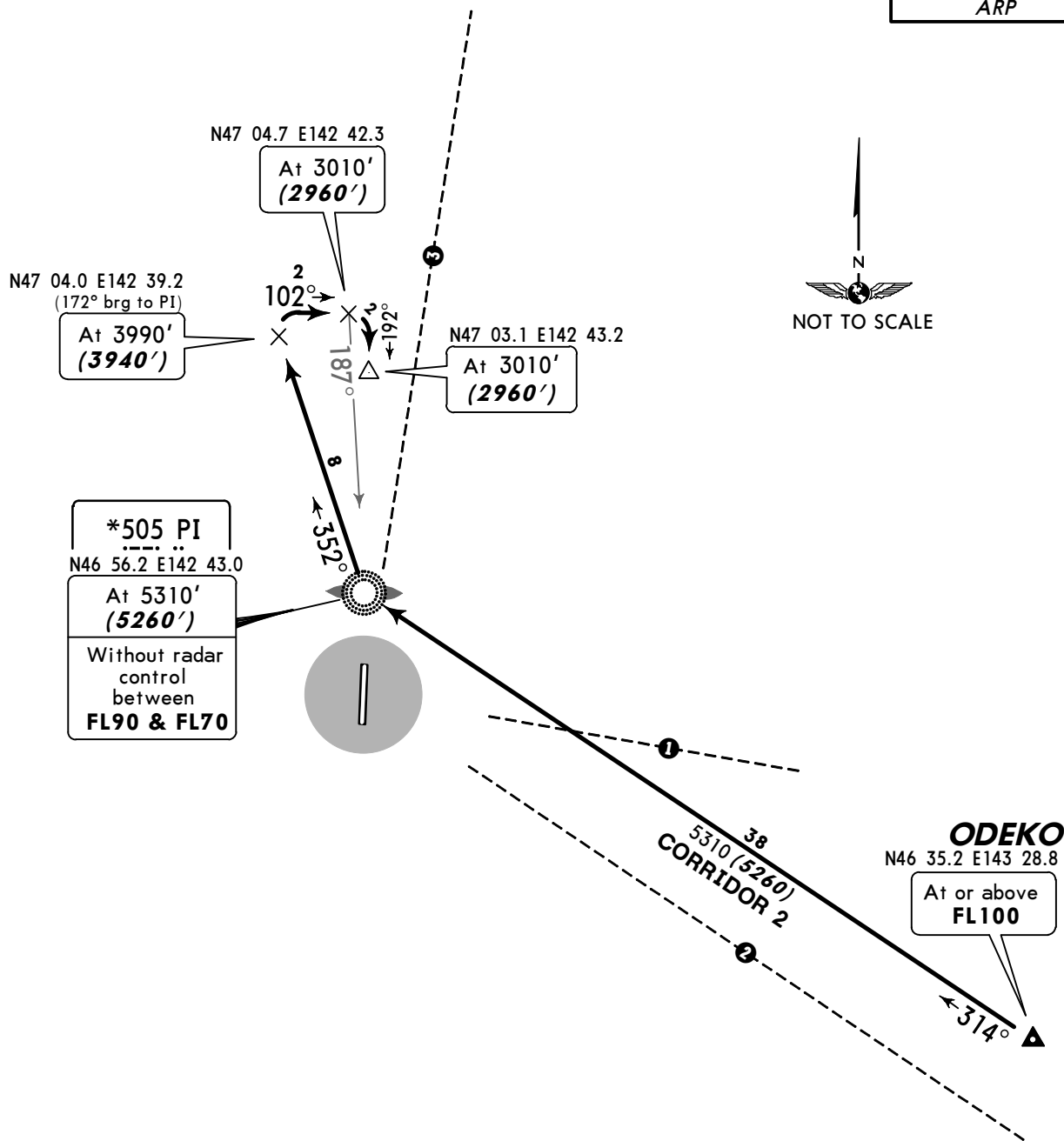
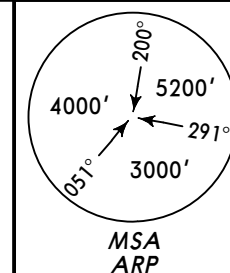
ALT/HEIGHT CONVERSION
QNH (QFE)
5310' (5260' - 1600m)
3990' (3940' - 1200m)
3010' (2960' - 900m)

- 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').

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
MAX 165 KT
CAT A & B



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').

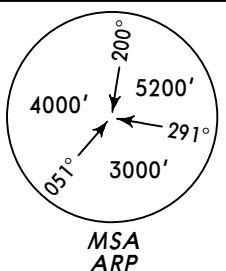
Alt Set: MM (hPa on request) QNH on request (QFE)

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' (5265')

ATIS
126.2Apt Elev
59'

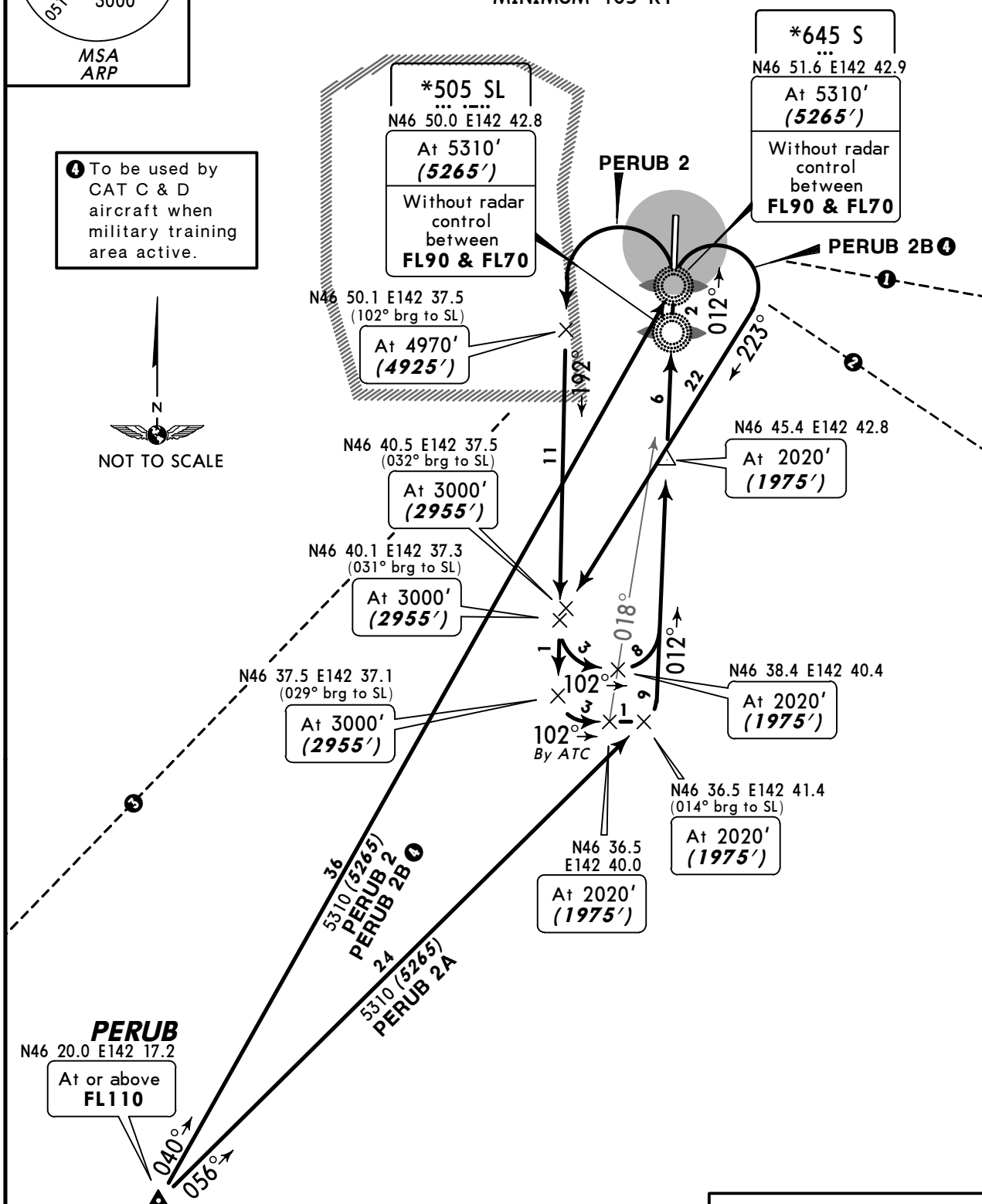
PERUB 2, PERUB 2A [PERU2A], PERUB 2B [PERU2B]④

RWY 01 ARRIVALS

BY ATC

MINIMUM 165 KT

④ To be used by
CAT C & D
aircraft when
military training
area active.



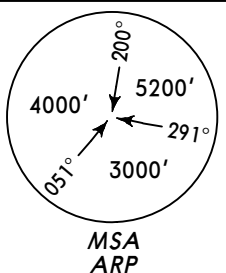
- ① 291° to ARP between 13.5 NM and 3.8 NM
do not fly north below 5310' (5265').
- ② 315° to ARP between 37.8 NM and 3.8 NM
do not fly north below 3990' (3945').
- ③ 055° to ARP between 37.8 NM and 8.1 NM
do not fly north below 3990' (3945').

ALT/HEIGHT CONVERSION
QNH (QFE)

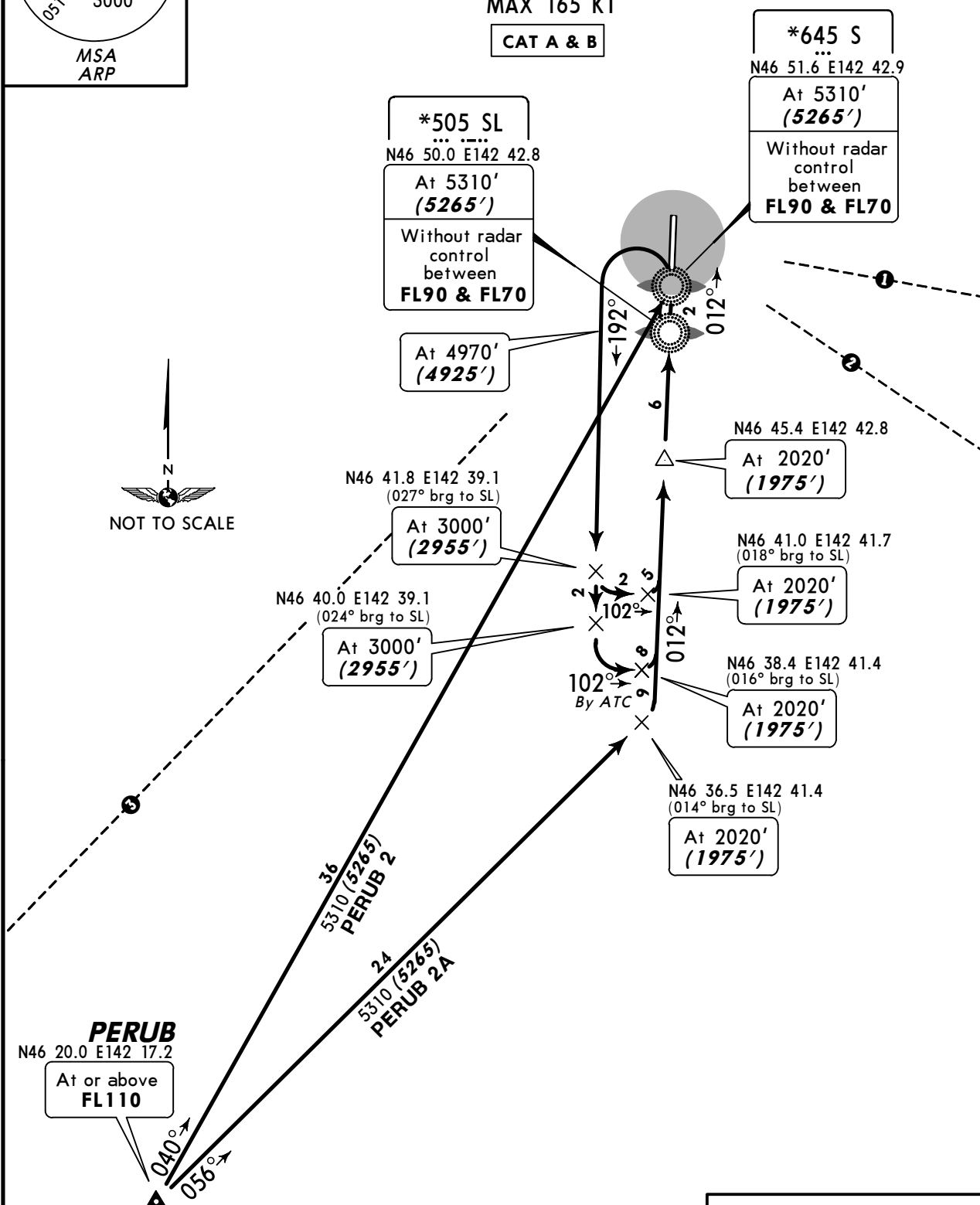
5310'	(5265' - 1600m)
4970'	(4925' - 1500m)
3990'	(3945' - 1200m)
3000'	(2955' - 900m)
2020'	(1975' - 600m)

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' (5265')

PERUB 2, PERUB 2A
RWY 01 ARRIVALSBY ATC
MAX 165 KT

CAT A & B



PERUB
N46 20.0 E142 17.2
At or above
FL110

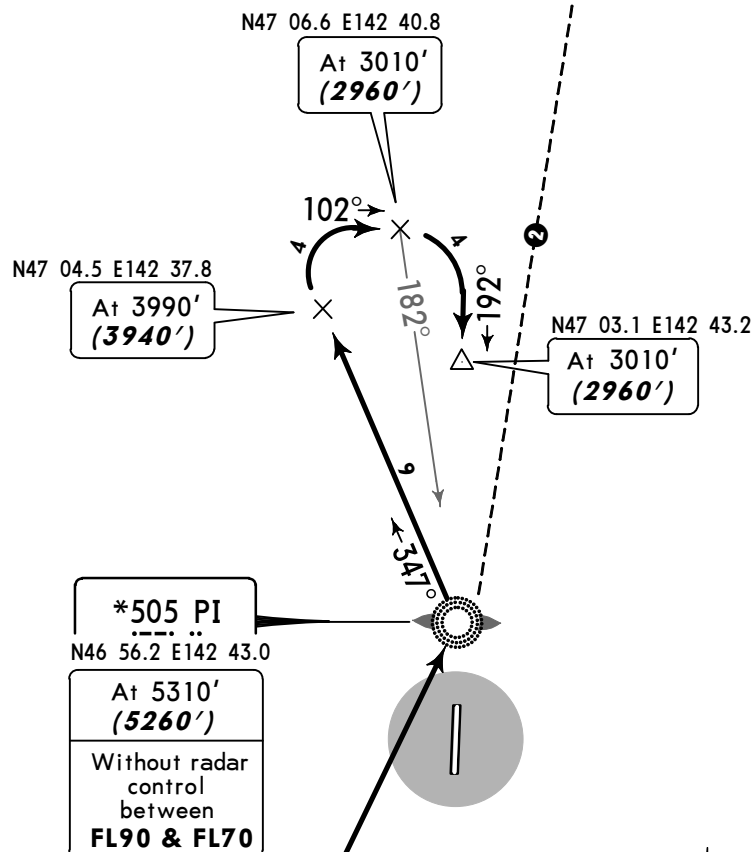
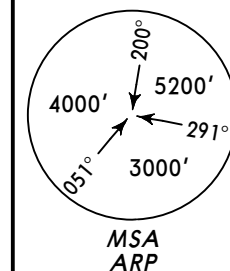
- ① 291° to ARP between 13.5 NM and 3.8 NM
do not fly north below 5310' (5265').
- ② 315° to ARP between 37.8 NM and 3.8 NM
do not fly north below 3990' (3945').
- ③ 055° to ARP between 37.8 NM and 8.1 NM
do not fly north below 3990' (3945').

ALT/HEIGHT CONVERSION
QNH (QFE)

5310'	(5265' - 1600m)
4970'	(4925' - 1500m)
3990'	(3945' - 1200m)
3000'	(2955' - 900m)
2020'	(1975' - 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')

PERUB 4
RWY 19 ARRIVAL
MINIMUM 165 KT
BY ATC



- 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
FL110

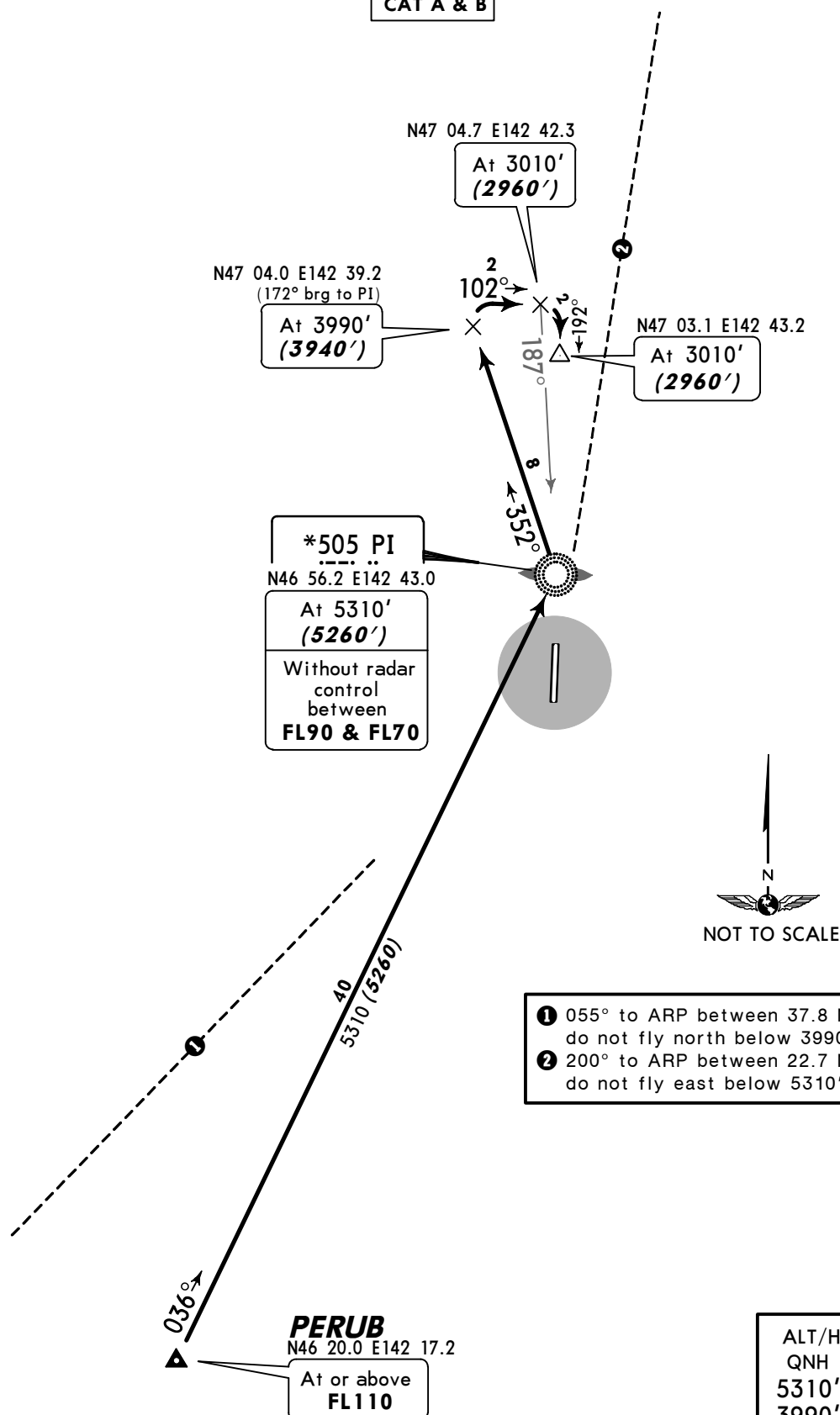
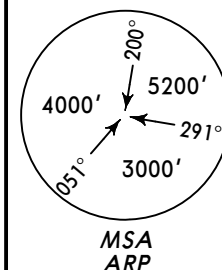
ALT/HEIGHT CONVERSION	
QNH	(QFE)
5310'	(5260' - 1600m)
3990'	(3940' - 1200m)
3010'	(2960' - 900m)

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' (5260')

ATIS
126.2Apt Elev
59'

PERUB 4
RWY 19 ARRIVAL
MAX 165 KT
BY ATC

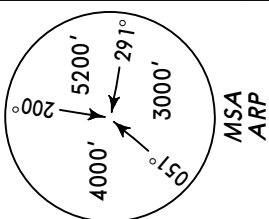
CAT A & B



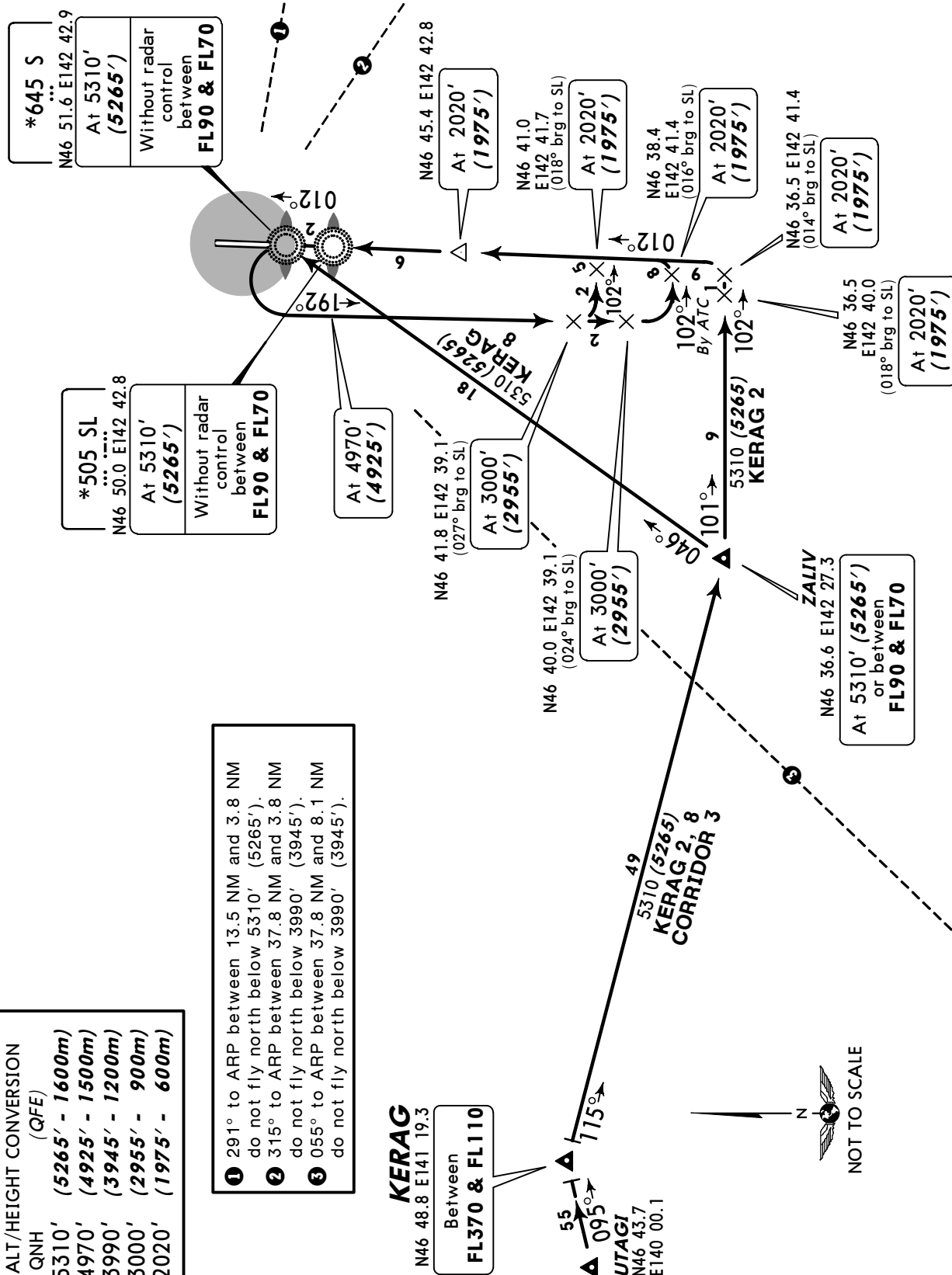
- 055° to ARP between 37.8 NM and 8.1 NM do not fly north below 3990' (3940').
- 200° to ARP between 22.7 NM and 3.8 NM do not fly east below 5310' (5260').

QNH	(QFE)
5310'	(5260' - 1600m)
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' **(5265')**

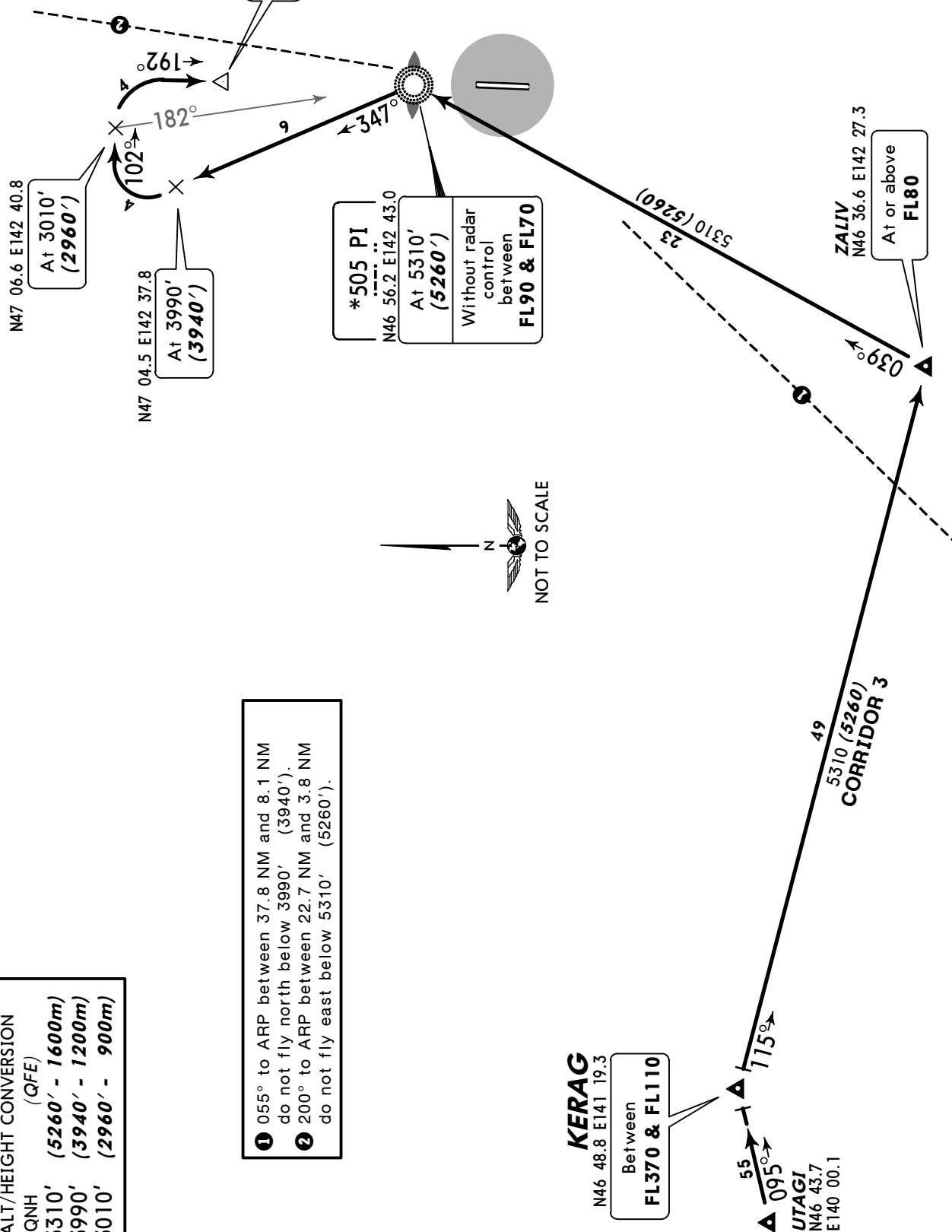


BY ATC
MAX 165 KT
CAT A & B



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')**



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

- 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').

KERAG

N46 48.8 E141 19.3

Between
FL370 & FL110

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).

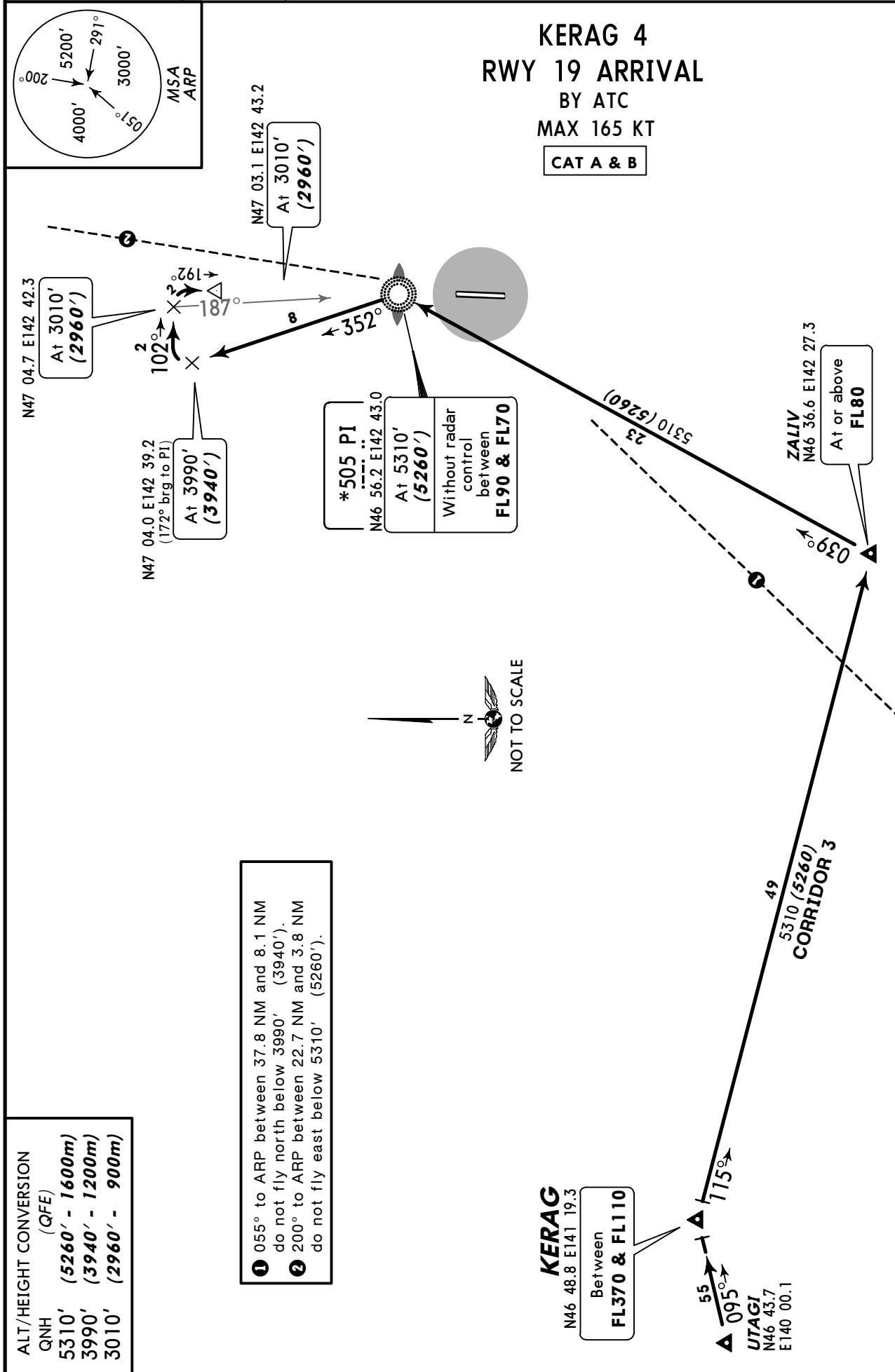
Trans alt: 5310' (5260')

ATIS
126.2Apt Elev
59'KERAG 4
RWY 19 ARRIVAL

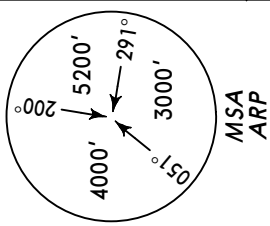
BY ATC

MAX 165 KT

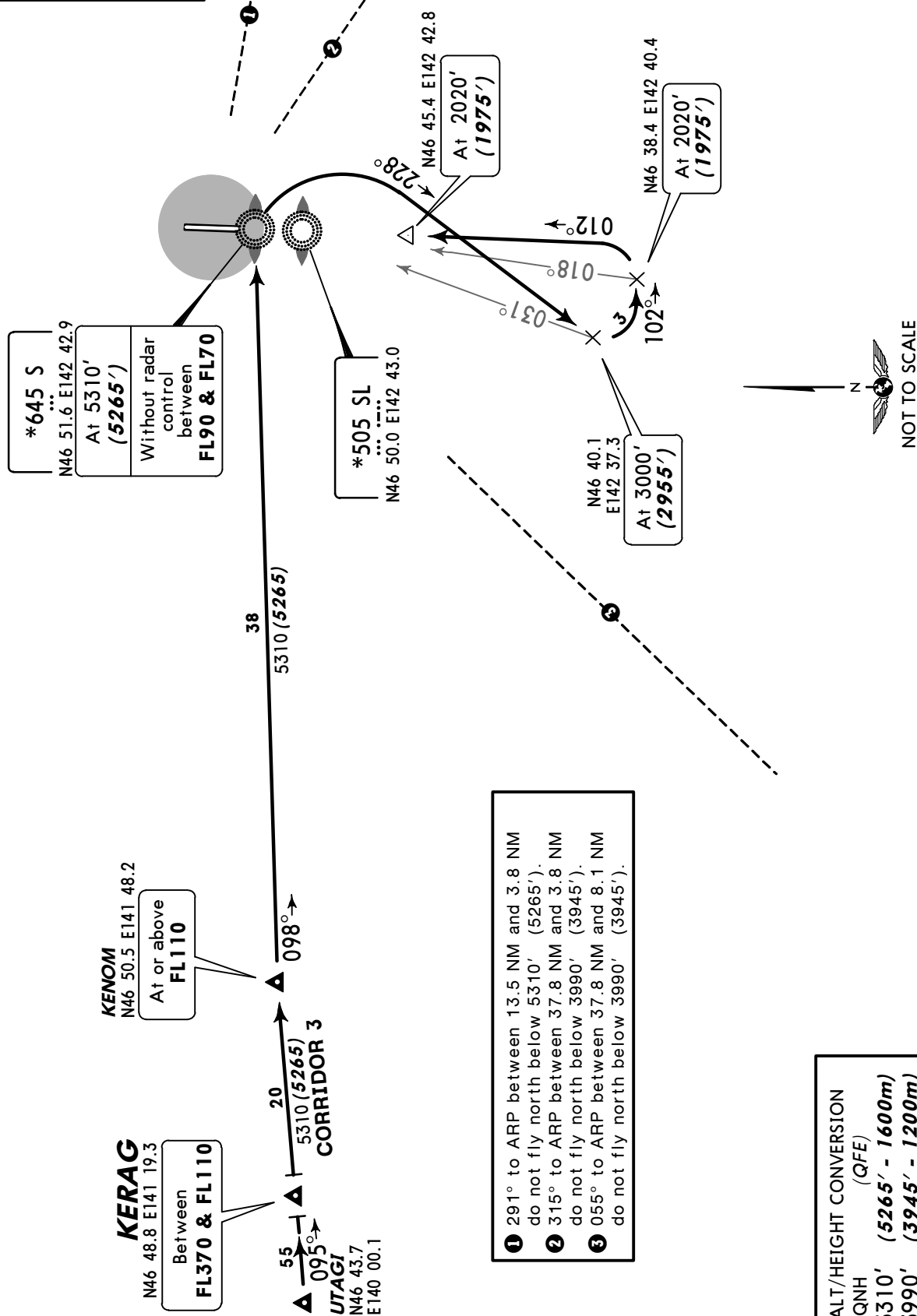
CAT A & B



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' **(5265')**



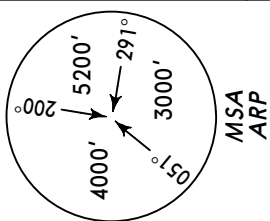
BY ATC
MINIMUM 165 KT



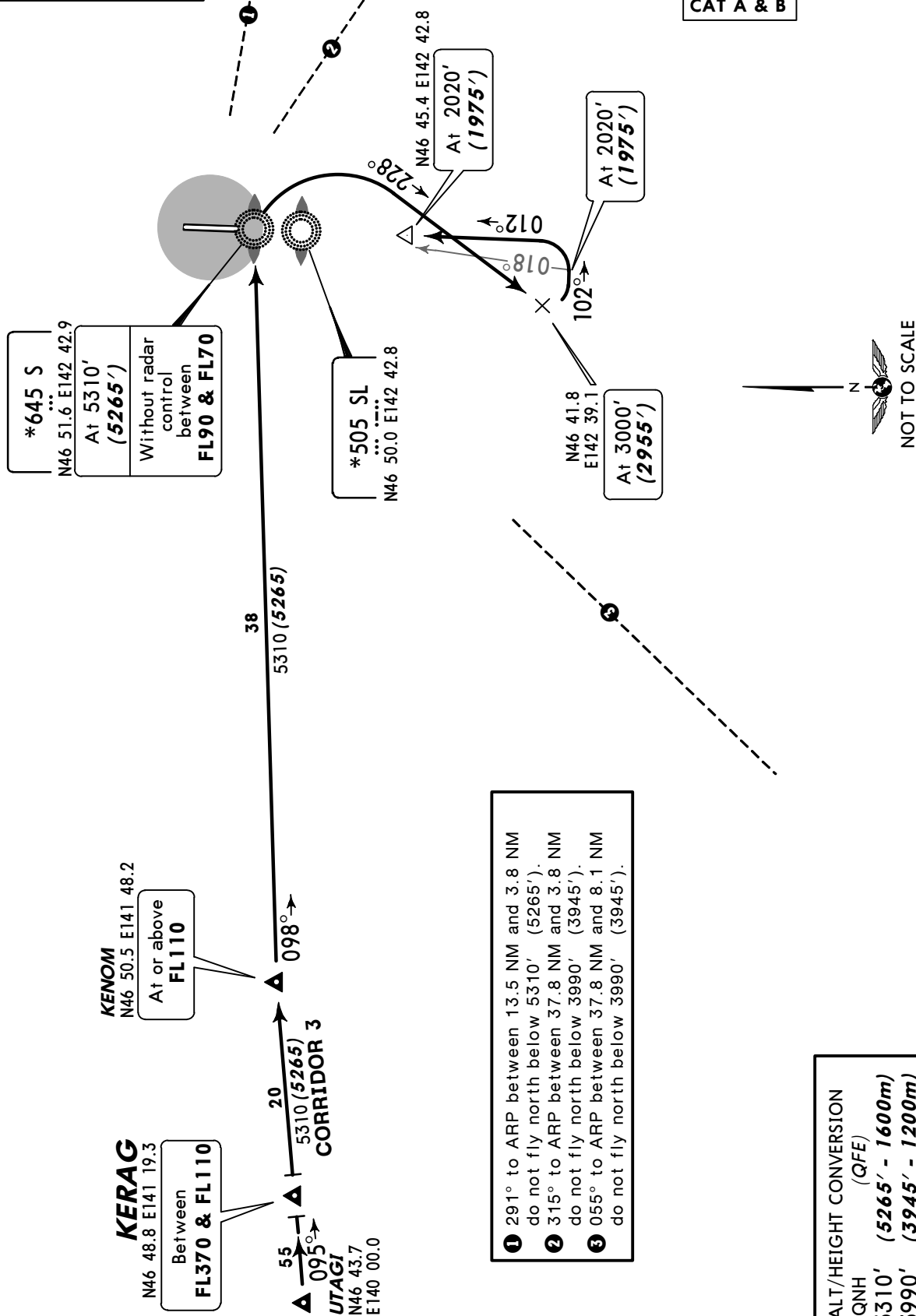
ALT/HEIGHT CONVERSION
(QFE)

QNH	
5310'	(5265' - 1600m)
3990'	(3945' - 1200m)
3000'	(2955' - 900m)
2020'	(1975' - 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' (5265')

ATIS
126.2Apt Elev
59'KERAG 2A
RWY 01 ARRIVALBY ATC
MAX 165 KT

CAT A & B



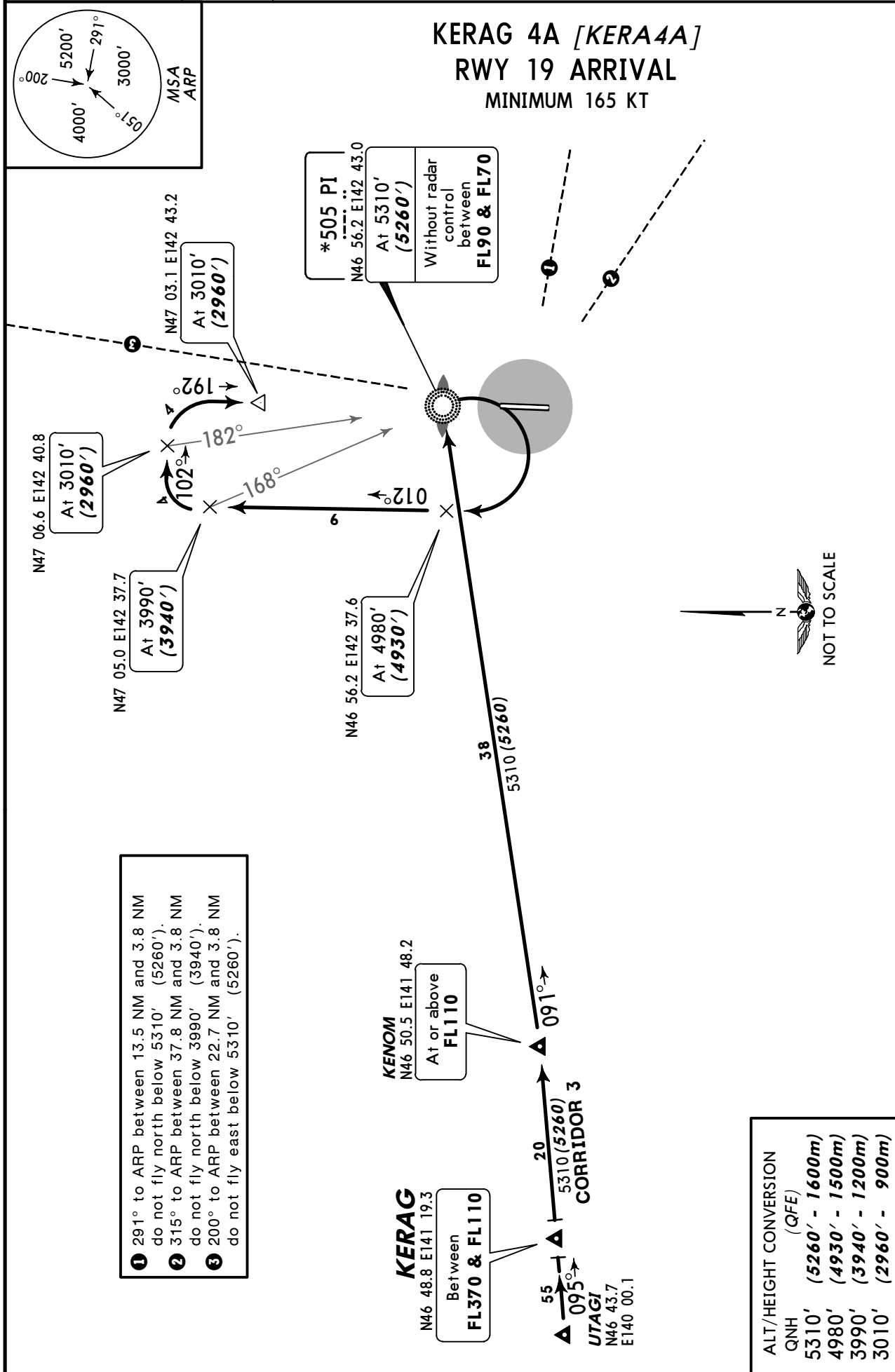
Alt Set: MM (hPa on request) QNH on request (QFE)

Trans level: FL70

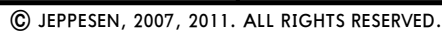
FL80 if pressure is less than 758 mm (1010.6 hPa)

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

Trans alt: 5310' (5260')

ATIS
126.2Apt Elev
59'KERAG 4A [KERA4A]
RWY 19 ARRIVAL
MINIMUM 165 KT

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')**



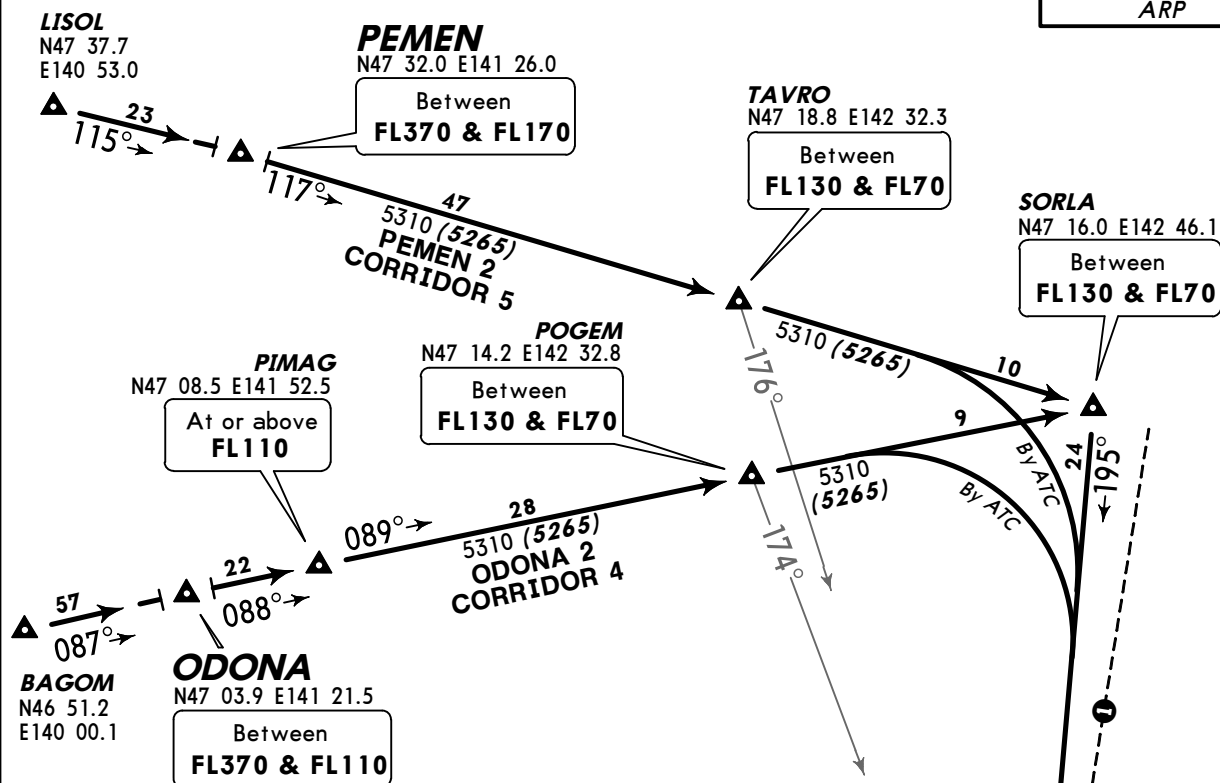
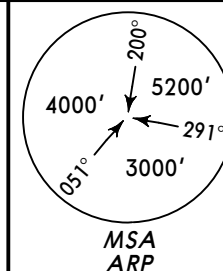
Alt Set: MM (hPa on request) QNH on request (QFE)

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' (5265')

ATIS
126.2Apt Elev
59'ODONA 2, PEMEN 2
RWY 01 ARRIVALS
MINIMUM 165 KT

- 200° to ARP between 22.7 NM and 3.8 NM do not fly east below 5310' (5265').
- 291° to ARP between 13.5 NM and 3.8 NM do not fly north below 5310' (5265').
- 315° to ARP between 37.8 NM and 3.8 NM do not fly north below 3990' (3945').
- 055° to ARP between 37.8 NM and 8.1 NM do not fly north below 3990' (3945').



ALT/HEIGHT CONVERSION

QNH (QFE)

5310' (5265' - 1600m)

3990' (3945' - 1200m)

3000' (2955' - 900m)

2020' (1975' - 600m)

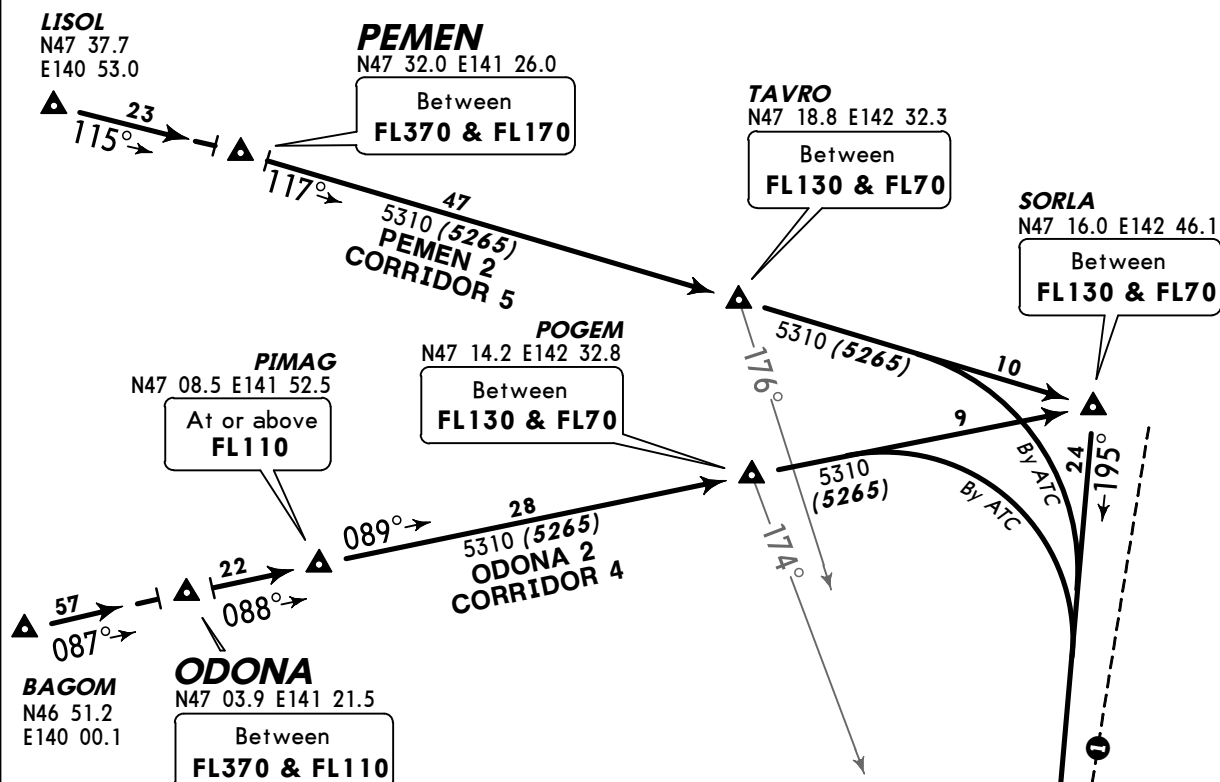
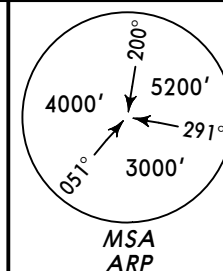
*645 S
N46 51.6 E142 42.9*505 SL
N46 50.0 E142 42.8At 5310'
(5265')Without radar
control
between
FL90 & FL70N46 45.4
E142 42.8At 2020'
(1975')N46 40.1
E142 37.3
(031° brg to SL)At 3000'
(2955')N46 38.6
E142 40.4At 2020'
(1975')

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' (5265')

ODONA 2, PEMEN 2 RWY 01 ARRIVALS

MAX 165 KT

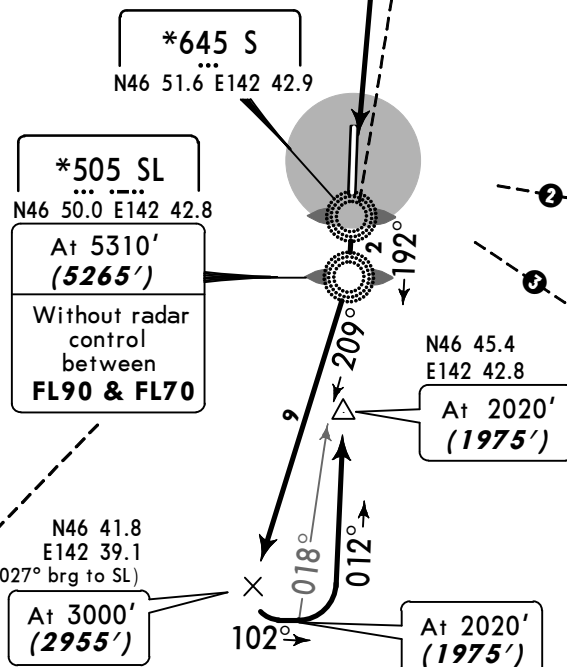
CAT A & B



- 200° to ARP between 22.7 NM and 3.8 NM do not fly east below 5310' (5265').
- 291° to ARP between 13.5 NM and 3.8 NM do not fly north below 5310' (5265').
- 315° to ARP between 37.8 NM and 3.8 NM do not fly north below 3990' (3945').
- 055° to ARP between 37.8 NM and 8.1 NM do not fly north below 3990' (3945').



ALT/HEIGHT CONVERSION	
QNH	(QFE)
5310'	(5265' - 1600m)
3990'	(3945' - 1200m)
3000'	(2955' - 900m)
2020'	(1975' - 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'

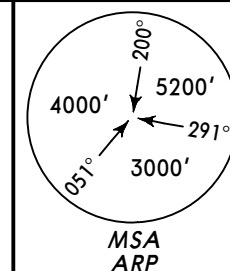
ODONA 4V [ODON4V]

PEMEN 4V [PEME4V]

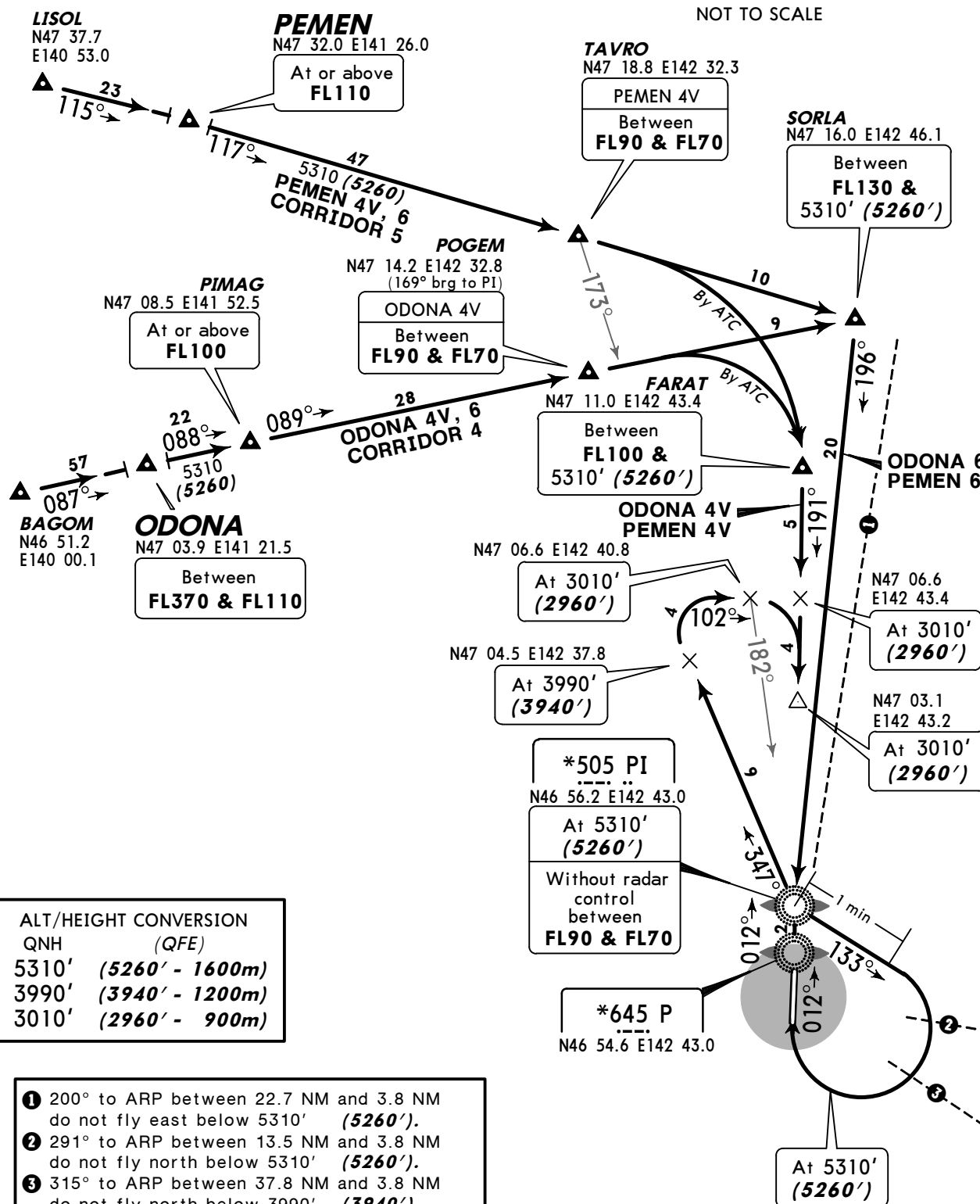
BY ATC

ODONA 6

PEMEN 6

RWY 19 ARRIVALS
MINIMUM 165 KT

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' (5260')

ODONA 4, ODONA 6, PEMEN 4, PEMEN 6

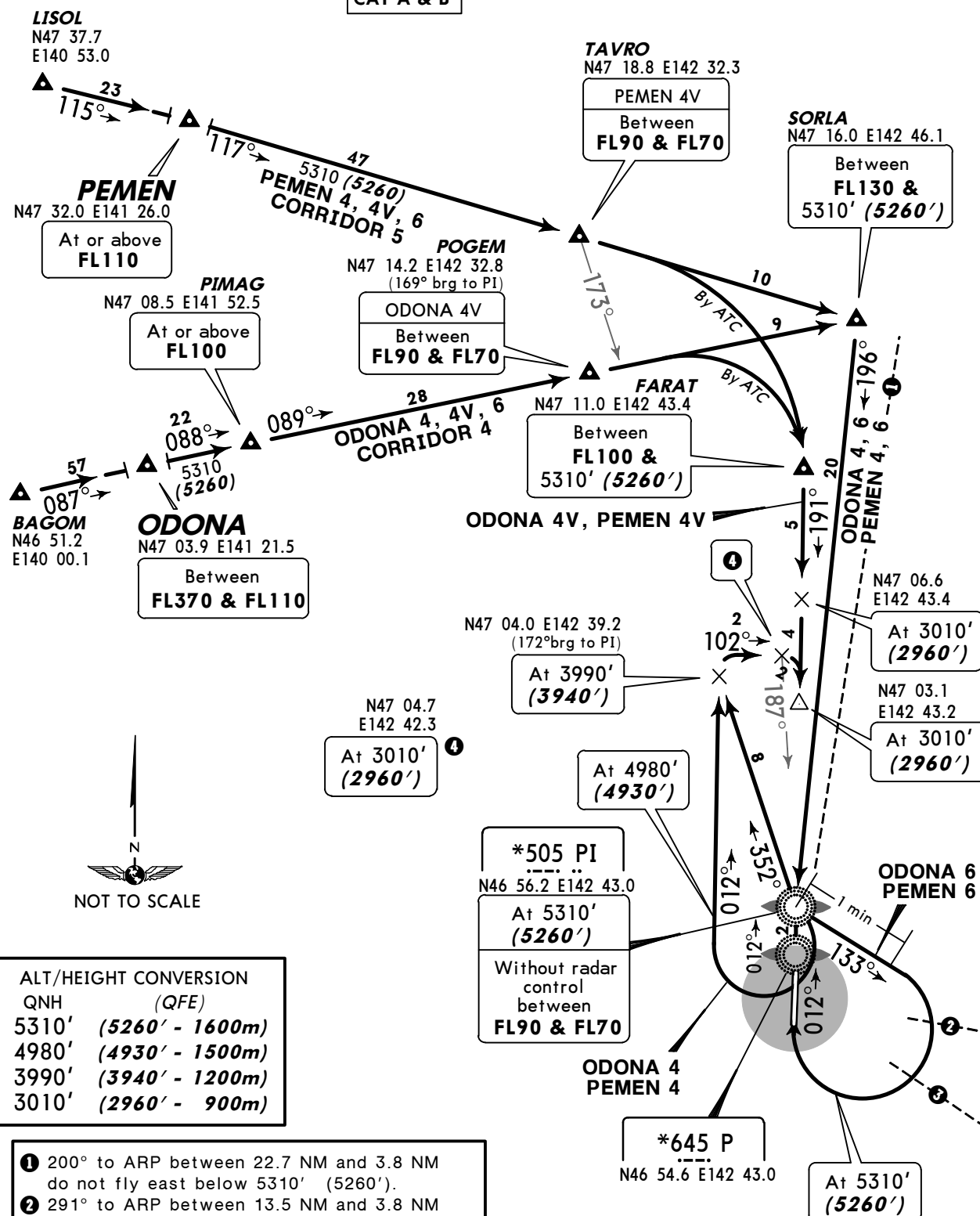
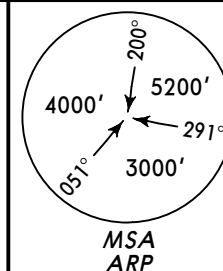
ODONA 4V, PEMEN 4V

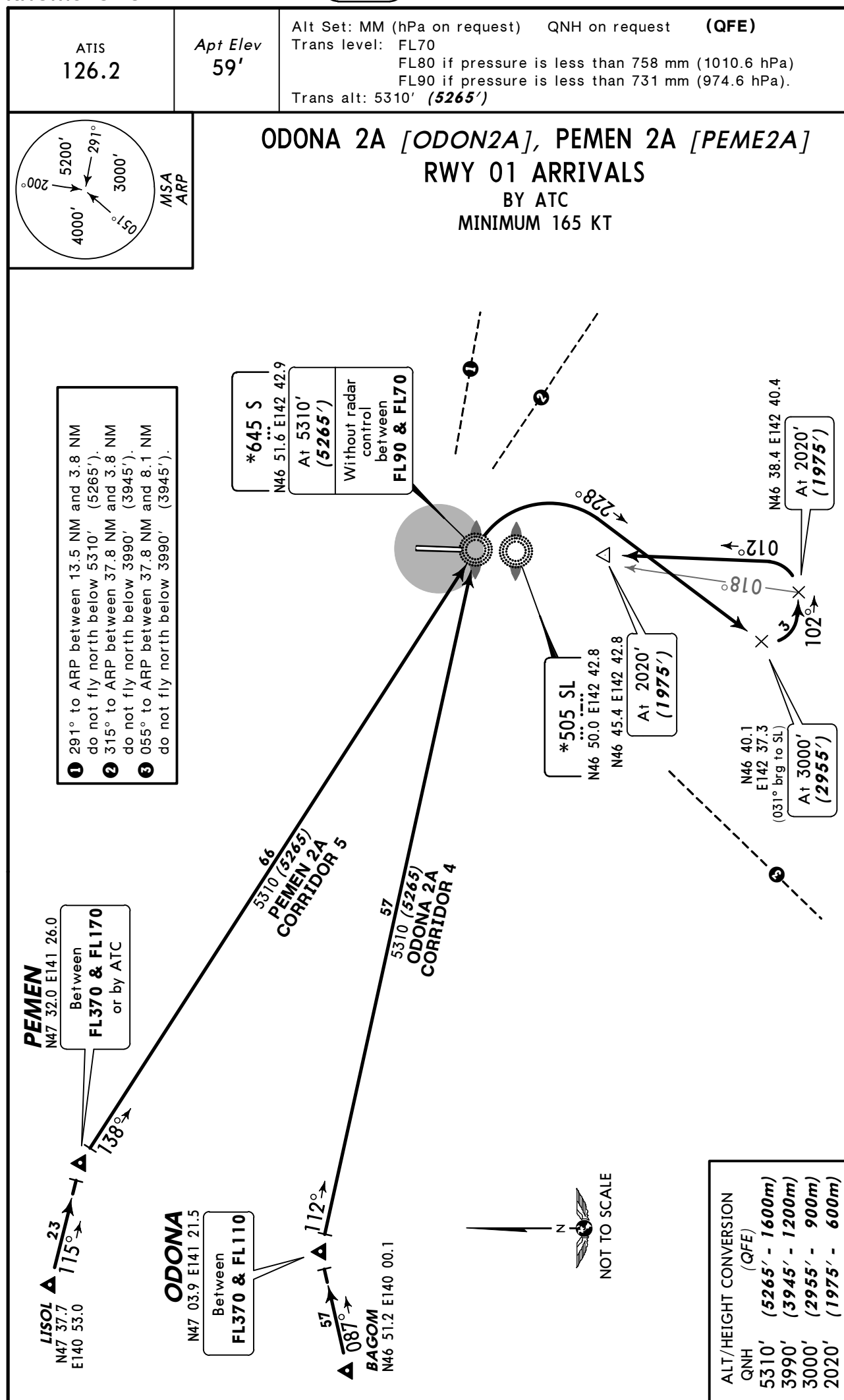
BY ATC

RWY 19 ARRIVALS

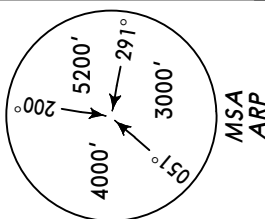
MAX 165 KT

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' **(5265')**

ATIS
126.2Apt Elev
59'ODONA 2A, PEMEN 2A
RWY 01 ARRIVALSBY ATC
MAX 165 KT

CAT A & B

- 1 291° to ARP between 13.5 NM and 3.8 NM do not fly north below 5310' (5265').
- 2 315° to ARP between 37.8 NM and 3.8 NM do not fly north below 3990' (3945').
- 3 055° to ARP between 37.8 NM and 8.1 NM do not fly north below 3990' (3945').

***645 S**
N46 51.6 E142 42.9
At 5310'
(5265')
Without radar
control
between
FL90 & FL70

***505 SL**
N46 50.0 E142 42.8

N46 45.4 E142 42.8

At 2020'
(1975')

N46 41.8
E142 39.1

At 3000'
(2955')

PEMEN

N47 32.0 E141 26.0

Between
FL370 & FL170
or by ATC

LISOL 23
N47 37.7
E140 53.0

175°

138°

ODONA

N47 03.9 E141 21.5

Between
FL370 & FL110

112°

087°

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5310 (5265)

PEMEN 2A

CORRIDOR 5

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5310 (5265)

ODONA 2A

CORRIDOR 4

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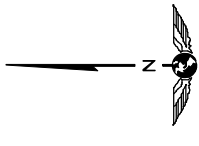
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ALT/HEIGHT CONVERSION

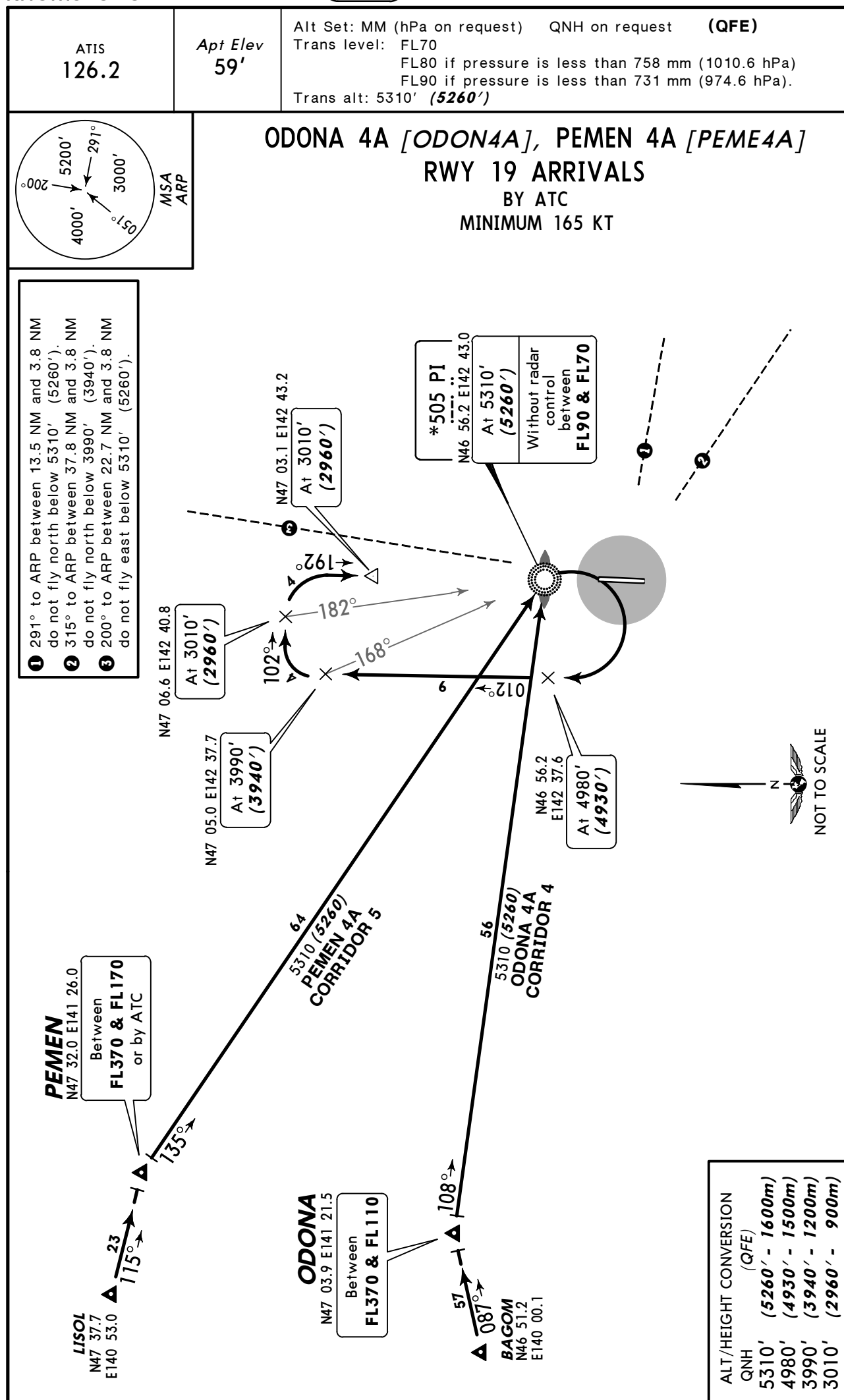
QNH (QFE)

5310' (5265' - 1600m)

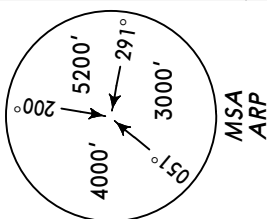
3990' (3945' - 1200m)

3000' (2955' - 900m)

2020' (1975' - 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'

ODONA 4A, PEMEN 4A

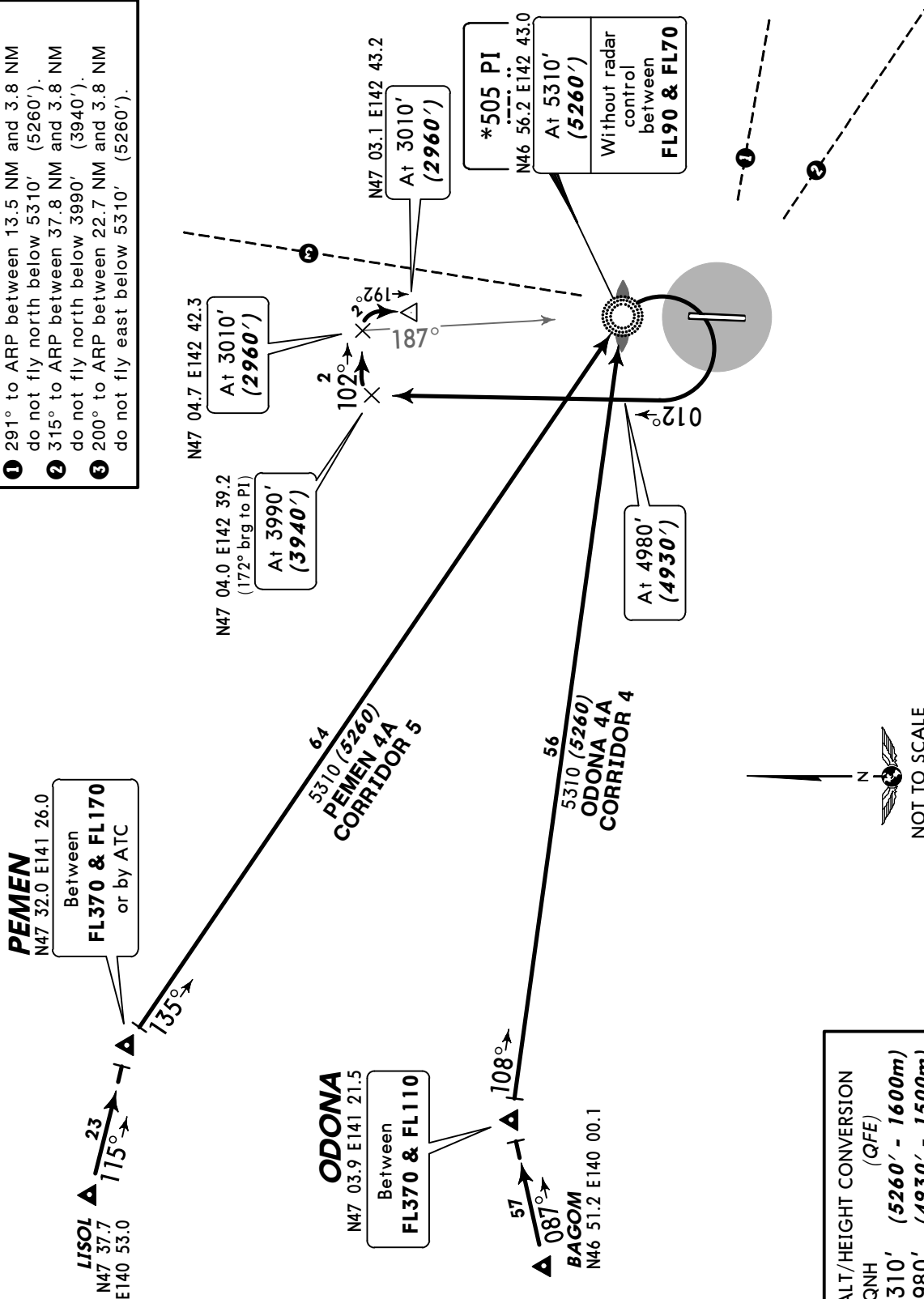
RWY 19 ARRIVALS

BY ATC

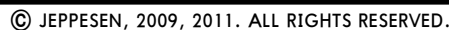
MAX 165 KT

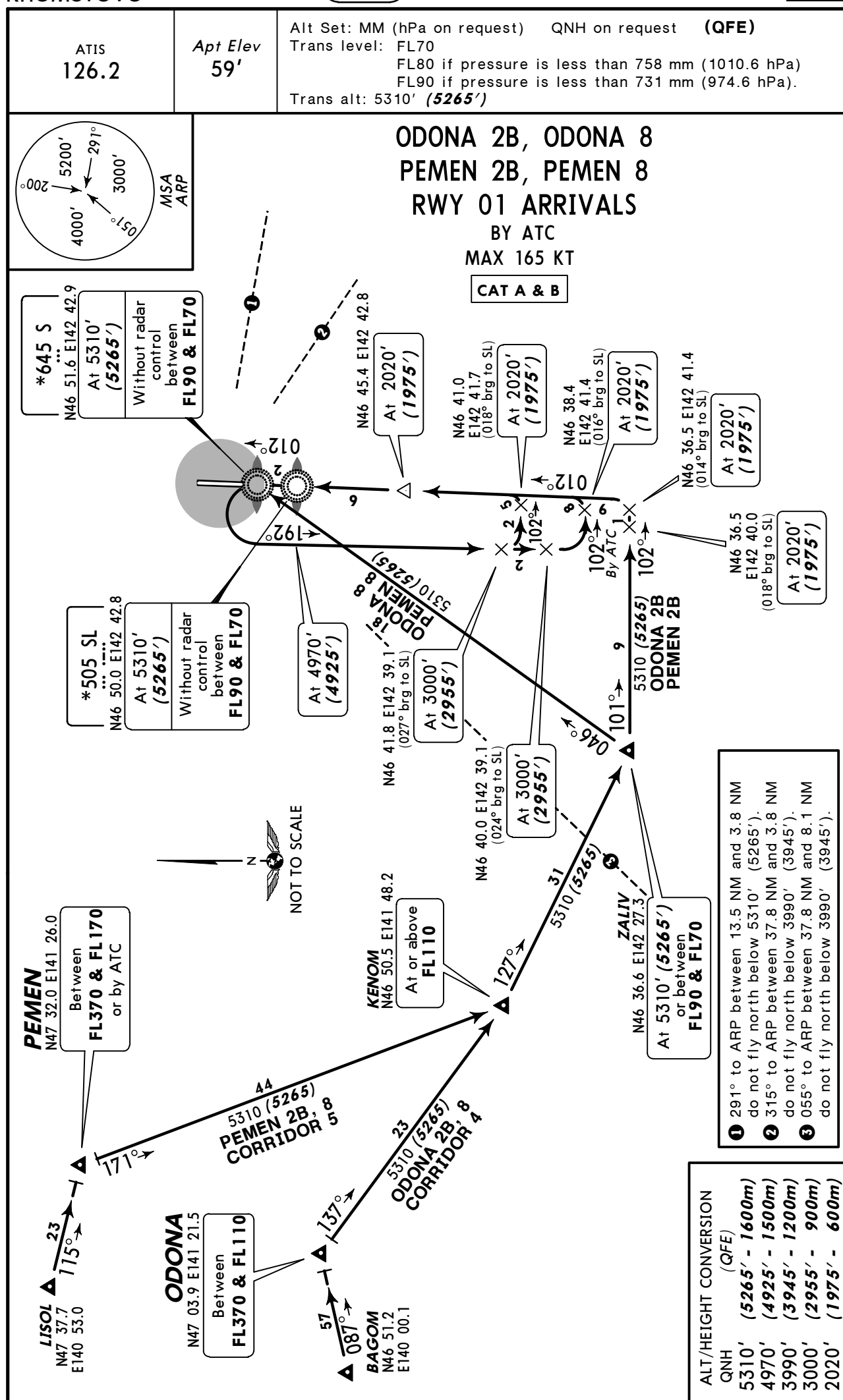
CAT A & B

- 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').



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' **(5265')**

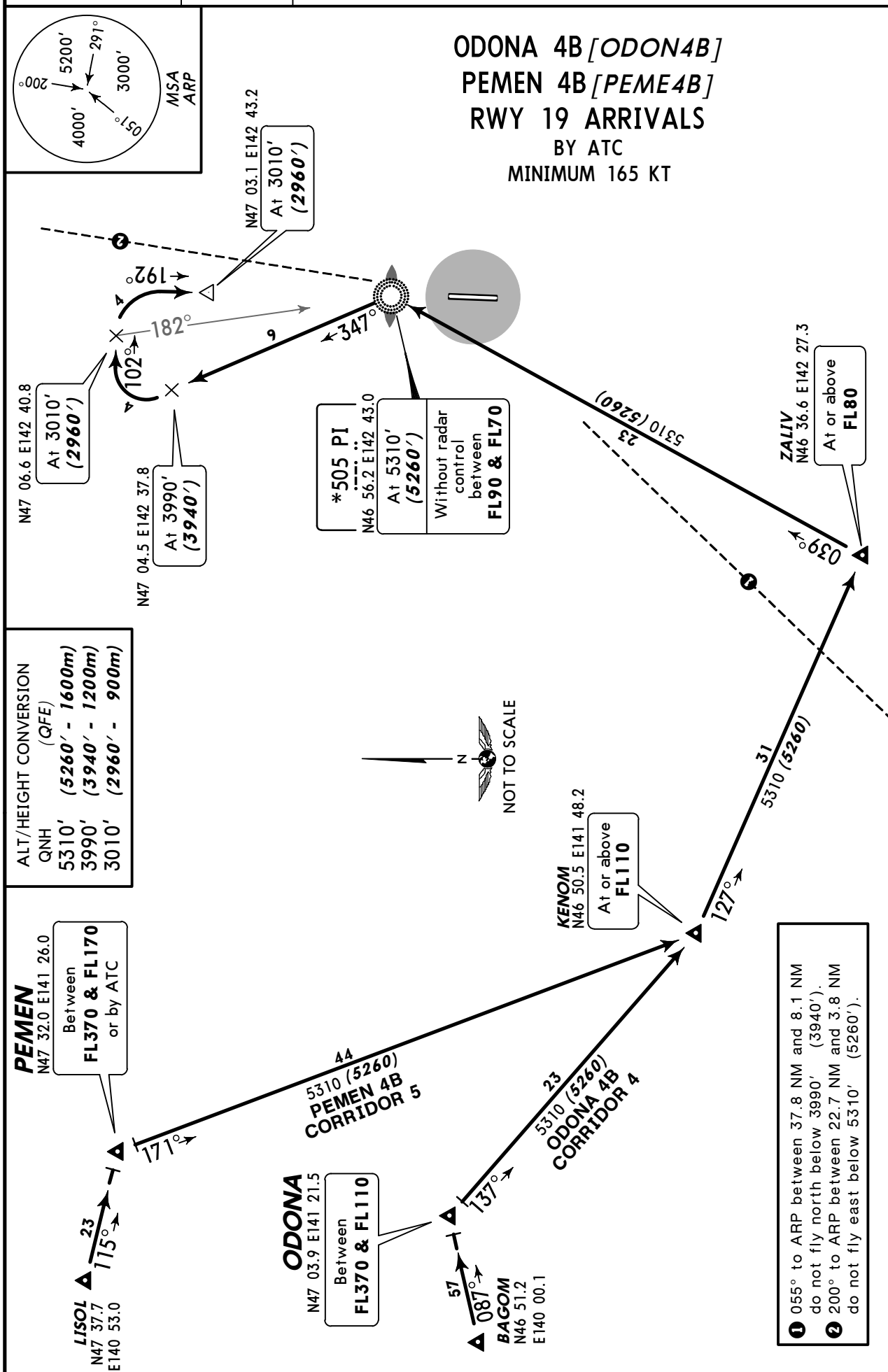


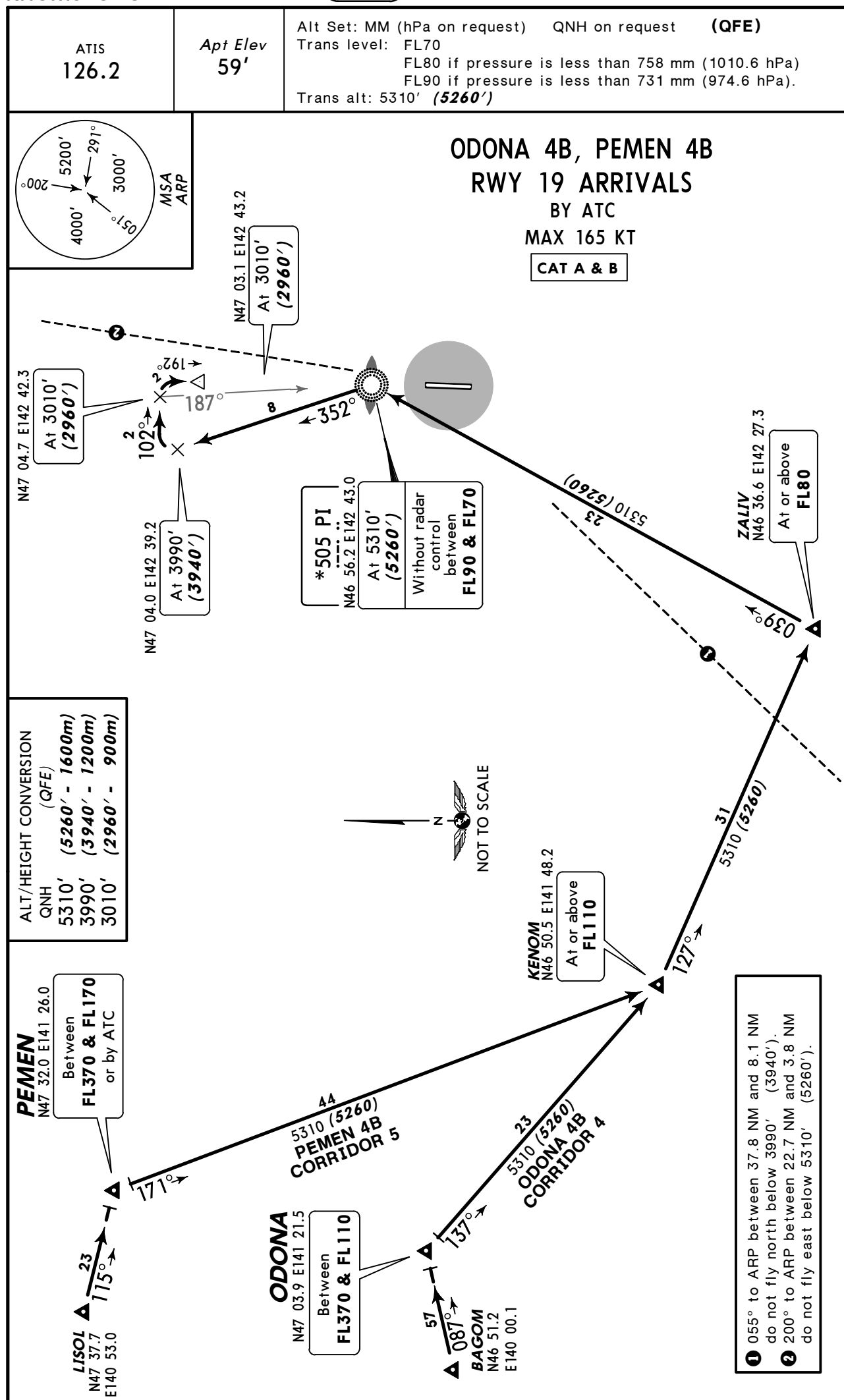


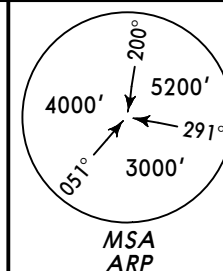
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5260')

ATIS
126.2Apt Elev
59'

ODONA 4B [ODON4B]
PEMEN 4B [PEME4B]
RWY 19 ARRIVALS
BY ATC
MINIMUM 165 KT





LIKON 2
RWY 01 ARRIVAL
MINIMUM 165 KT**LIKON**
N47 39.4 E142 02.4At or above
FL110139°
26
5310
(5265)**SERNA**
N47 23.0 E142 33.0Between
FL130 & FL70**SORLA**
N47 16.0 E142 46.1Between
FL130 & FL70

- ① 200° to ARP between 22.7 NM and 3.8 NM do not fly east below 5310' (5265').
- ② 291° to ARP between 13.5 NM and 3.8 NM do not fly north below 5310' (5265').
- ③ 315° to ARP between 37.8 NM and 3.8 NM do not fly north below 3990' (3945').
- ④ 055° to ARP between 37.8 NM and 8.1 NM do not fly north below 3990' (3945').

***645 S**
N46 51.6 E142 42.9***505 SL**
N46 50.0 E142 42.8At 5310'
(5265')Without radar
control
between
FL90 & FL70N46 45.4
E142 42.8At 2020'
(1975')N46 38.4
E142 40.4At 2020'
(1975')N46 40.1
E142 37.3
(031° brg to SL)At 3000'
(2955')**ALT/HEIGHT CONVERSION**

QNH (QFE)

5310'	(5265' - 1600m)
3990'	(3945' - 1200m)
3000'	(2955' - 900m)
2020'	(1975' - 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)

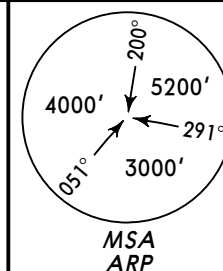
FL90 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 5310' (5265')

ATIS
126.2Apt Elev
59'LIKON 2
RWY 01 ARRIVAL

MAX 165 KT

CAT A & B

LIKON
N47 39.4 E142 02.4At or above
FL110139°
26
5310
(5265)

SERNA

N47 23.0 E142 33.0

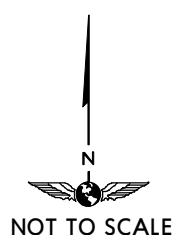
Between
FL130 & FL70

SORLA

N47 16.0 E142 46.1

Between
FL130 & FL70

- 1 200° to ARP between 22.7 NM and 3.8 NM do not fly east below 5310' (5265').
- 2 291° to ARP between 13.5 NM and 3.8 NM do not fly north below 5310' (5265').
- 3 315° to ARP between 37.8 NM and 3.8 NM do not fly north below 3990' (3945').
- 4 055° to ARP between 37.8 NM and 8.1 NM do not fly north below 3990' (3945').

*645 S
N46 51.6 E142 42.9*505 SL
N46 50.0 E142 42.8At 5310'
(5265')Without radar
control
between
FL90 & FL70N46 45.4
E142 42.8At 2020'
(1975')N46 41.8
E142 39.1
(027° brg to SL)At 3000'
(2955')

102°

At 2020'
(1975')

ALT/HEIGHT CONVERSION

QNH (QFE)

5310' (5265' - 1600m)

3990' (3945' - 1200m)

3000' (2955' - 900m)

2020' (1975' - 600m)

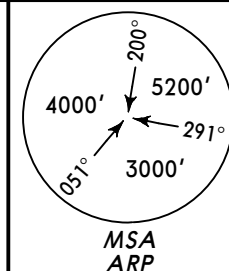
Alt Set: MM (hPa on request) QNH on request **(QFE)**
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' **(5260')**

ATIS
126.2Apt Elev
59'LIKON 4V [LIKO4V]
BY ATC

LIKON 6

RWY 19 ARRIVALS

MINIMUM 165 KT

LIKON
N47 39.4 E142 02.4At or above
FL110SERNA
N47 23.0 E142 33.0LIKON 4V
Between
FL90 & FL70SORLA
N47 16.0 E142 46.1Between
FL130 &
5310' **(5260')**FARAT
N47 11.0 E142 43.4Between
FL100 &
5310' **(5260')**

N47 06.6 E142 40.8

At 3010'
(2960')

N47 04.5 E142 37.8

At 3990'
(3940')

*505 PI

N46 56.2 E142 43.0

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

*645 P

N46 54.6 E142 43.0

At 5310'
(5260')

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

- 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')**.

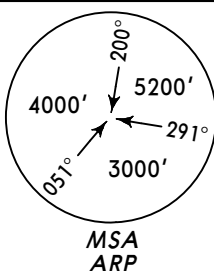
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5260')

ATIS
126.2Apt Elev
59'LIKON 4
LIKON 6LIKON 4V
BY ATC

RWY 19 ARRIVALS

MAX 165 KT

CAT A & B

LIKON
N47 39.4 E142 02.4At or above
FL110139° 26'
5310' (5260')
LIKON 4, 4V, 6

SERNA

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 43.4

Between
FL100 &
5310' (5260')

N47 04.7 E142 42.3

At 3010'
(2960')N47 04.0 E142 39.2
(172° brg to PI)At 3990'
(3940')At 4980'
(4930')

*505 PI

N46 56.2 E142 43.0

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

LIKON 4

*645 P

N46 54.6 E142 42.8

LIKON 6

At 5310'
(5260')

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

- 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').

ATIS
126.2Apt Elev
59'

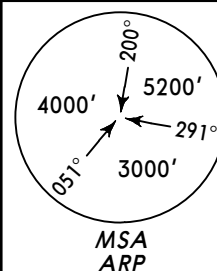
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5265')

BIKUR 2A [BIKU2A], LIKON 2A [LIKO2A]

RWY 01 ARRIVALS

BY ATC

MINIMUM 165 KT

**BIKUR**

N47 57.0 E141 28.1

Between
FL370 & FL170

153°

LIKON

N47 39.4 E142 02.4

At or above
FL110

161°

5310 (5265)
BIKUR 2A
CORRIDOR 65310 (5265)
LIKON 2A

- 200° to ARP between 22.7 NM and 3.8 NM do not fly east below 5310' (5265').
- 291° to ARP between 13.5 NM and 3.8 NM do not fly north below 5310' (5265').
- 315° to ARP between 37.8 NM and 3.8 NM do not fly north below 3990' (3945').
- 055° to ARP between 37.8 NM and 8.1 NM do not fly north below 3990' (3945').

***645 S**
N46 51.6 E142 42.9
At 5310'
(5265')
Without radar
control
between
FL90 & FL70

***505 SL**
N46 50.0 E142 42.8
At 5310'
(5265')
Without radar
control
between
FL90 & FL70

N46 45.4 E142 42.8
At 2020'
(1975')

N46 40.1 E142 37.3
(031° brg to SL)
At 3000'
(2955')

N46 38.4 E142 40.4
At 2020'
(1975')

ALT/HEIGHT CONVERSION

QNH (QFE)

5310' (5265' - 1600m)

3990' (3945' - 1200m)

3000' (2955' - 900m)

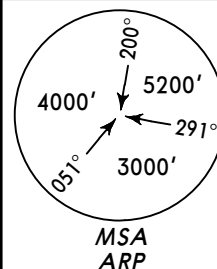
2020' (1975' - 600m)

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' (5265')

BIKUR 2A, LIKON 2A
RWY 01 ARRIVALSBY ATC
MAX 165 KT

CAT A & B



BIKUR
N47 57.0 E141 28.1
Between
FL370 & FL170

LIKON
N47 39.4 E142 02.4
At or above
FL110

5310 (5265)
BIKUR 2A
CORRIDOR 656
LIKON 2A
5310 (5265)

- 1 200° to ARP between 22.7 NM and 3.8 NM do not fly east below 5310' (5265').
- 2 291° to ARP between 13.5 NM and 3.8 NM do not fly north below 5310' (5265').
- 3 315° to ARP between 37.8 NM and 3.8 NM do not fly north below 3990' (3945').
- 4 055° to ARP between 37.8 NM and 8.1 NM do not fly north below 3990' (3945').

***645 S**
N46 51.6 E142 42.9
At 5310'
(5265')
Without radar
control
between
FL90 & FL70

***505 SL**
N46 50.0 E142 42.8
At 5310'
(5265')
Without radar
control
between
FL90 & FL70

N46 45.4 E142 42.8
At 2020'
(1975')

N46 41.8
E142 39.1
At 3000'
(2955')

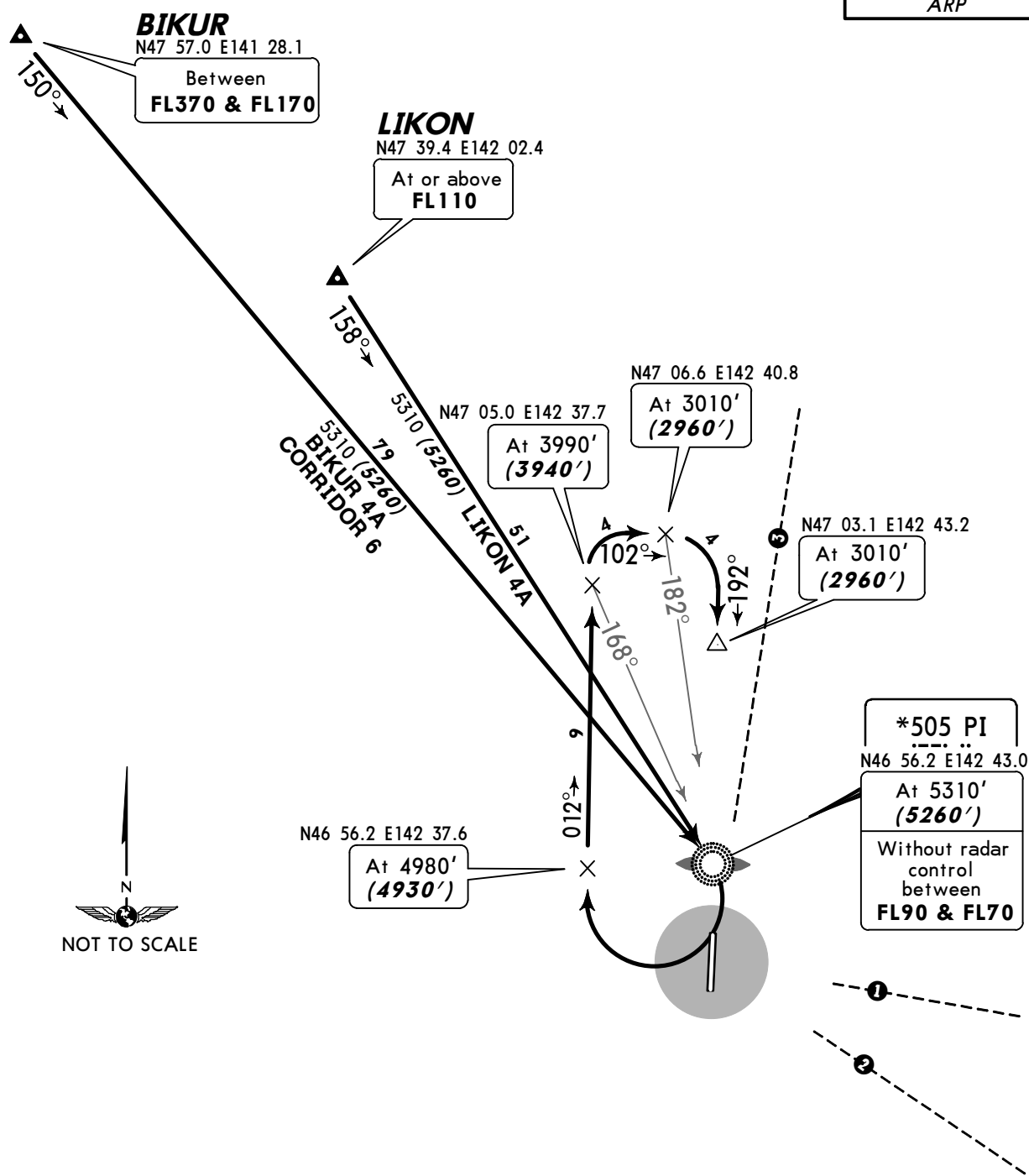
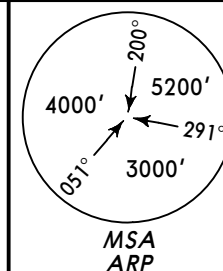
At 2020'
(1975')

ALT/HEIGHT CONVERSION	
QNH	(QFE)
5310'	(5265' - 1600m)
3990'	(3945' - 1200m)
3000'	(2955' - 900m)
2020'	(1975' - 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'

BIKUR 4A [BIKU4A], LIKON 4A [LIKO4A]
RWY 19 ARRIVALS
BY ATC
MINIMUM 165 KT



ALT/HEIGHT CONVERSION

QNH (QFE)

5310' (5260' - 1600m)

4980' (4930' - 1500m)

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').

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).

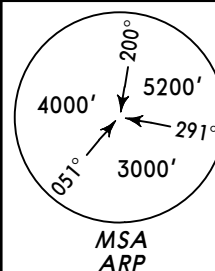
Trans alt: 5310' (5260')

ATIS
126.2Apt Elev
59'BIKUR 4A, LIKON 4A
RWY 19 ARRIVALS

BY ATC

MAX 165 KT

CAT A & B

**BIKUR**

N47 57.0 E141 28.1

Between

FL370 & FL170

LIKON

N47 39.4 E142 02.4

At or above
FL110

NOT TO SCALE

BIKUR 4A
CORRIDOR 6
5310 (5260)
79
5310 (5260)
LIKON 4A
51N47 04.0 E142 39.2
(172° brg to PI)
At 3990'
(3940')N47 04.7
E142 42.3
At 3010'
(2960')N47 03.1 E142 43.2
At 3010'
(2960')

*505 PI

N46 56.2 E142 43.0

At 5310'
(5260')Without radar
control
between
FL90 & FL70At 4980'
(4930')

ALT/HEIGHT CONVERSION

QNH (QFE)

5310' (5260' - 1600m)

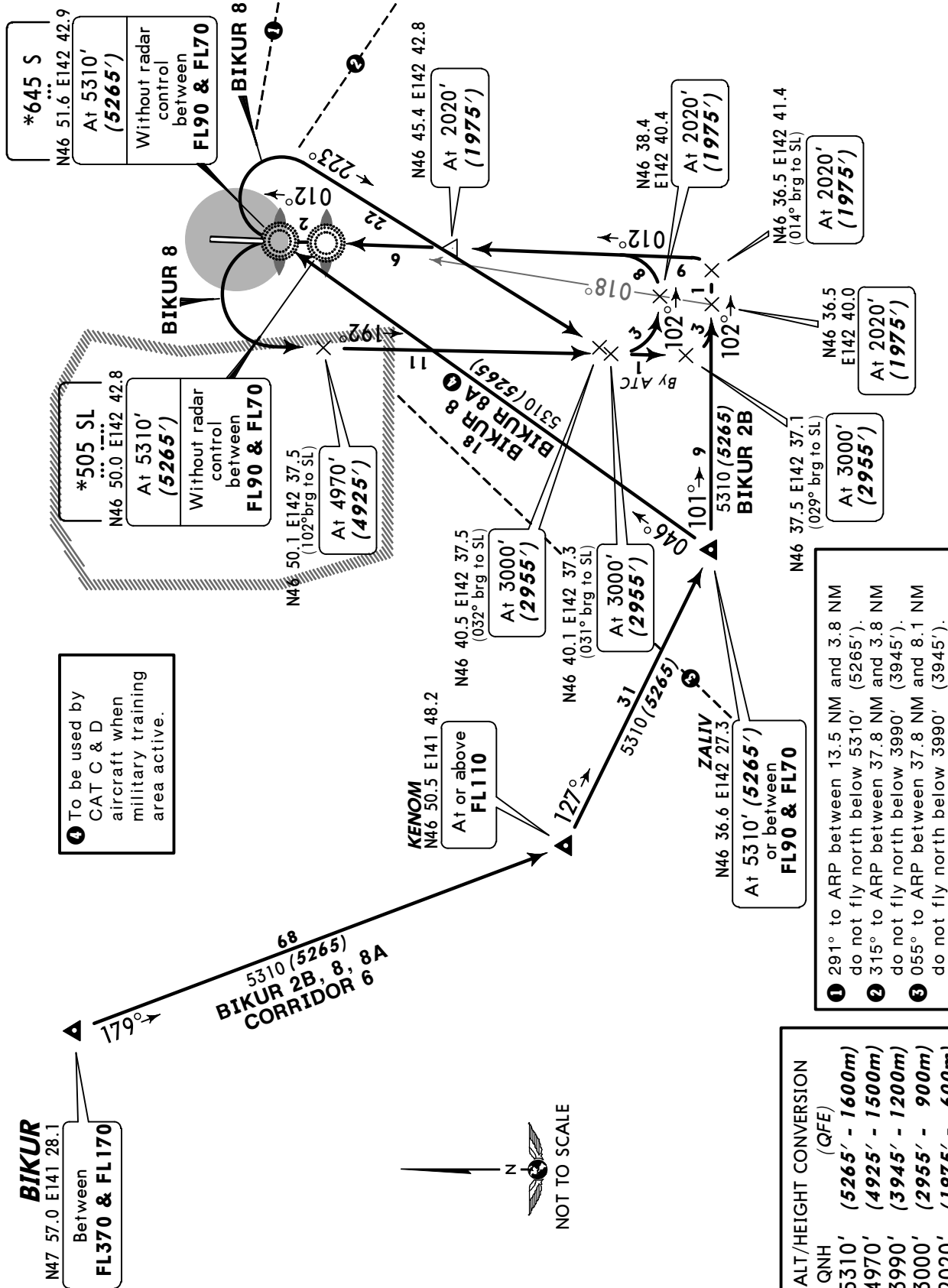
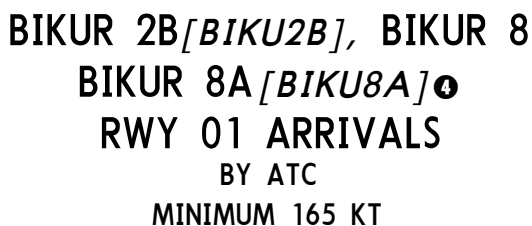
4980' (4930' - 1500m)

3990' (3940' - 1200m)

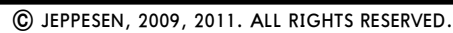
3010' (2960' - 900m)

- 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').

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' **(5265')**



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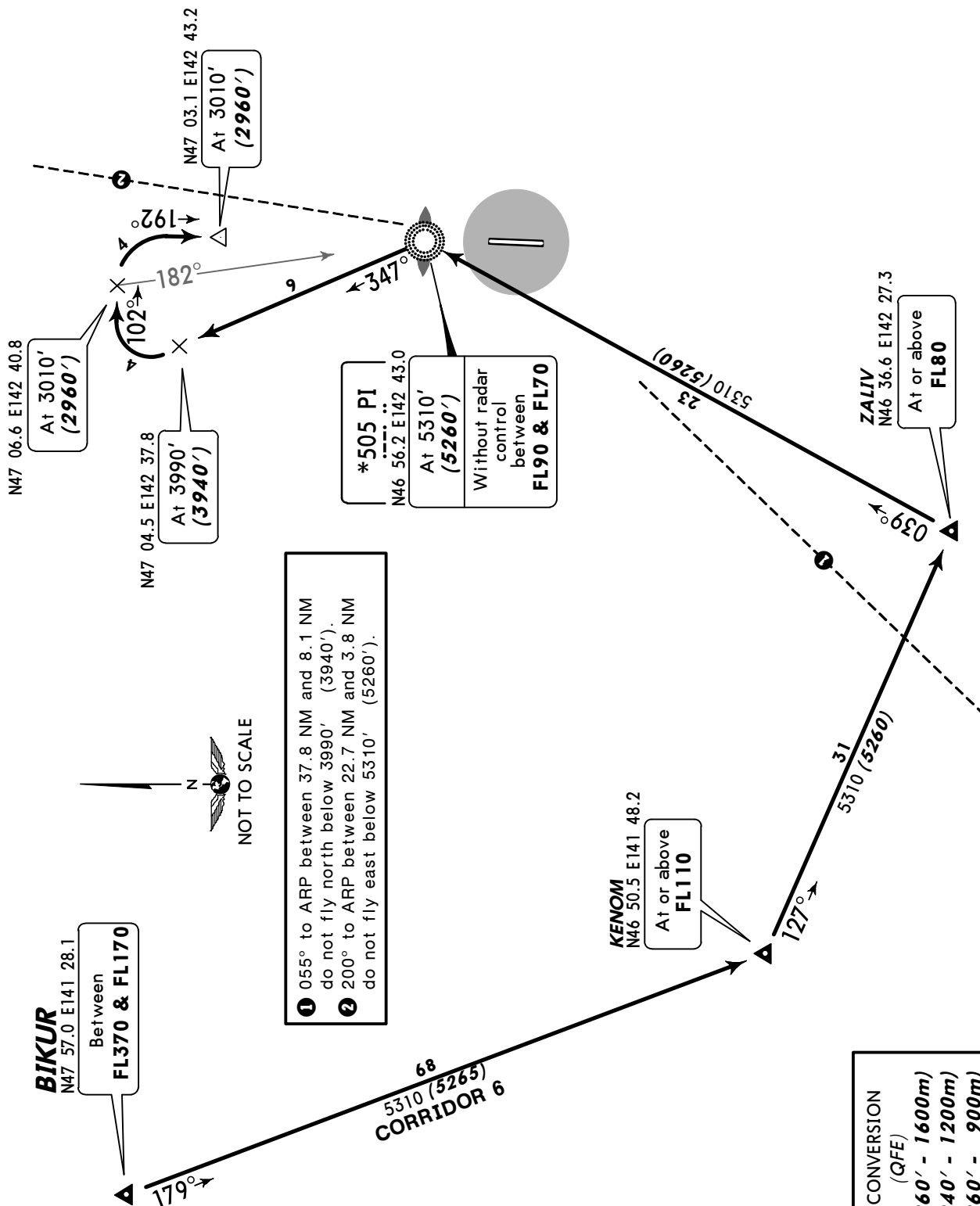
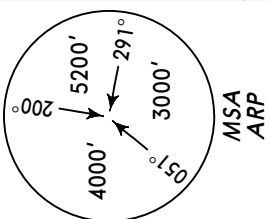


Alt Set: MM (hPa on request) QNH on request **(QFE)**
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' **(5260')**

ATIS
126.2

Apt Elev
59'

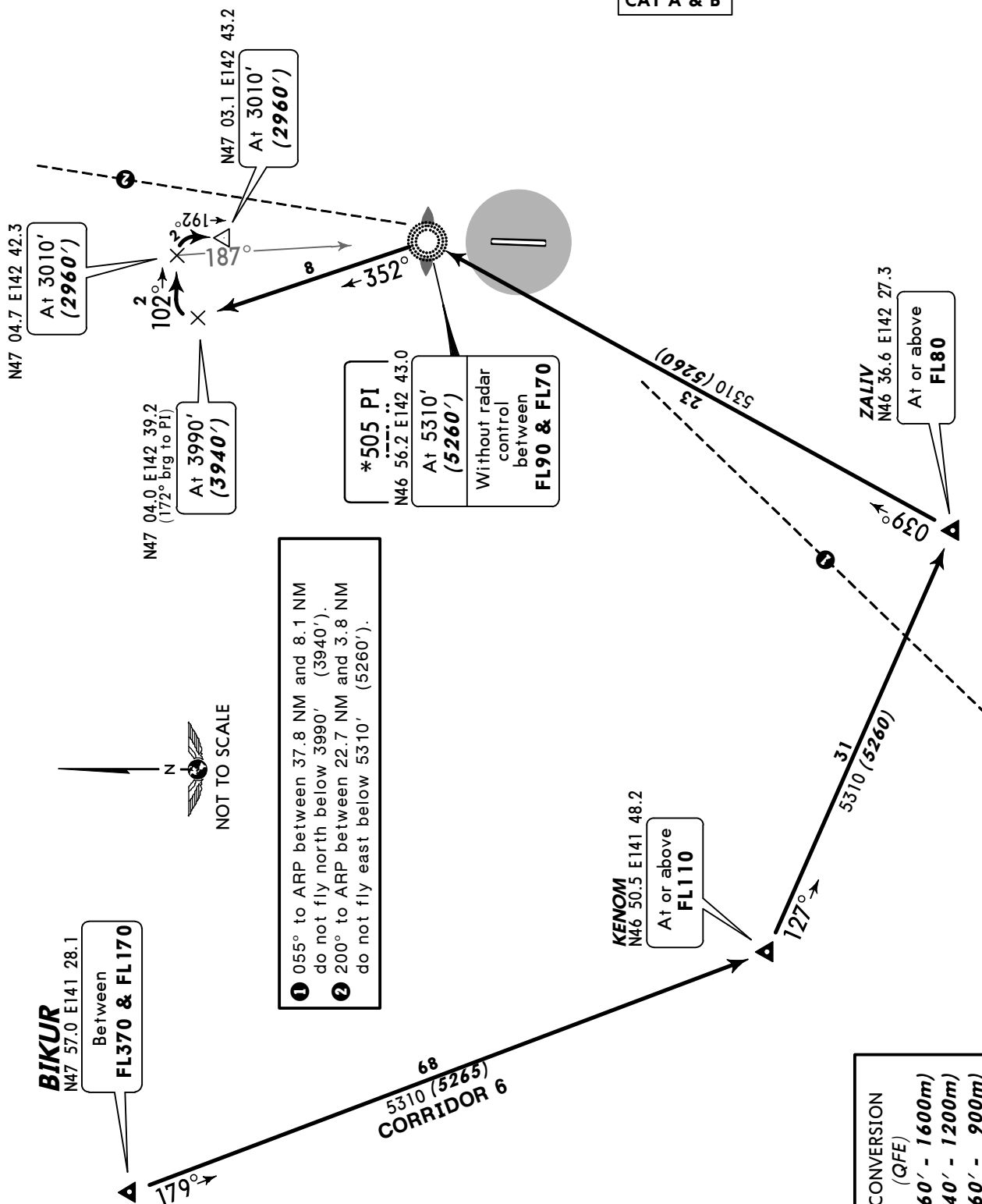
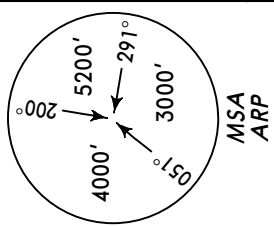
BIKUR 4B [BIKU4B]
RWY 19 ARRIVAL
BY ATC
MINIMUM 165 KT



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
RWY 19 ARRIVAL
BY ATC
MAX 165 KT
CAT A & B

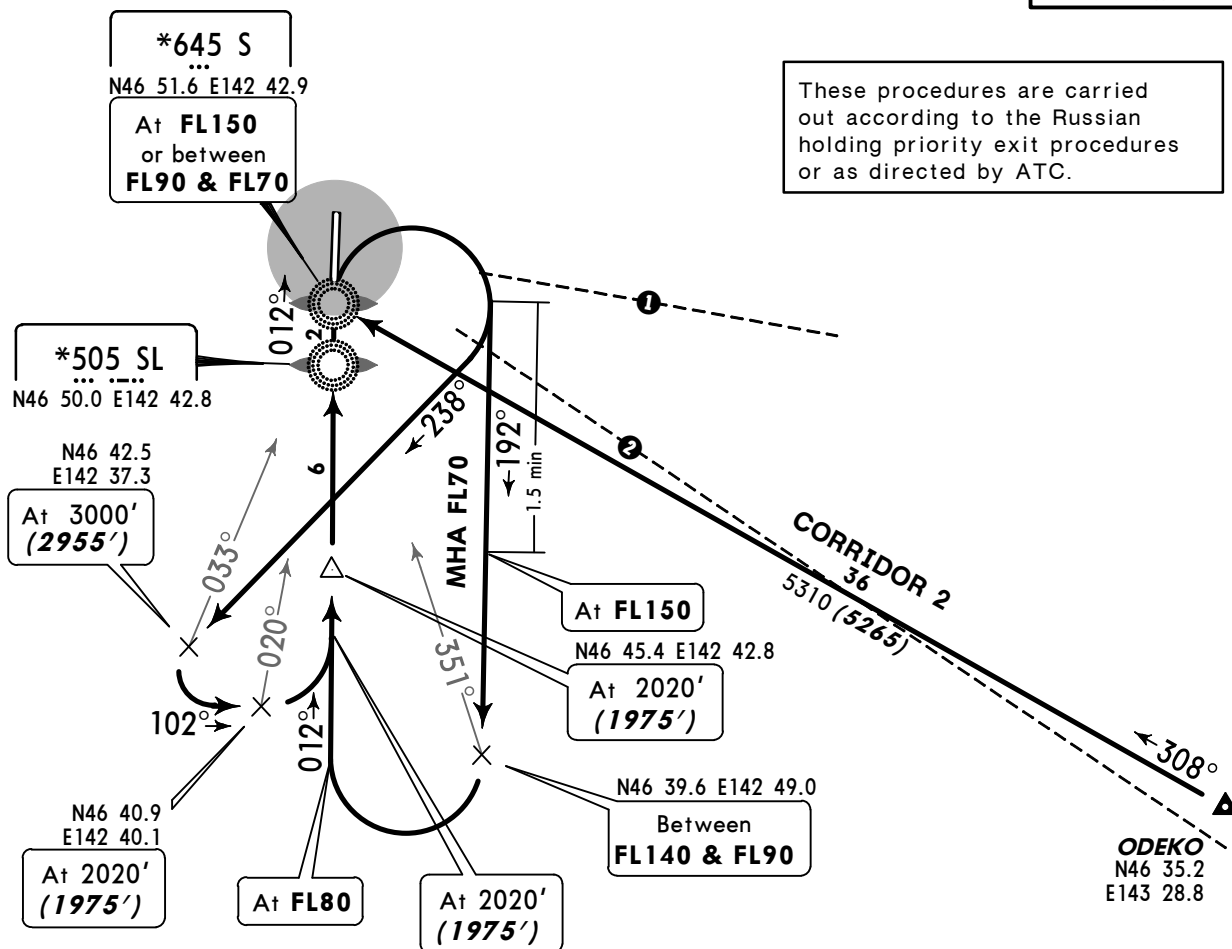
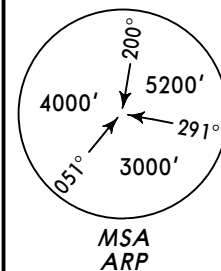


Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5265')
Crossings at airway exit points by ATC.

ATIS
126.2

Apt Elev
59'

RWY 01 ARRIVAL FROM SOUTHEAST BY ATC



These procedures are carried out according to the Russian holding priority exit procedures or as directed by ATC.

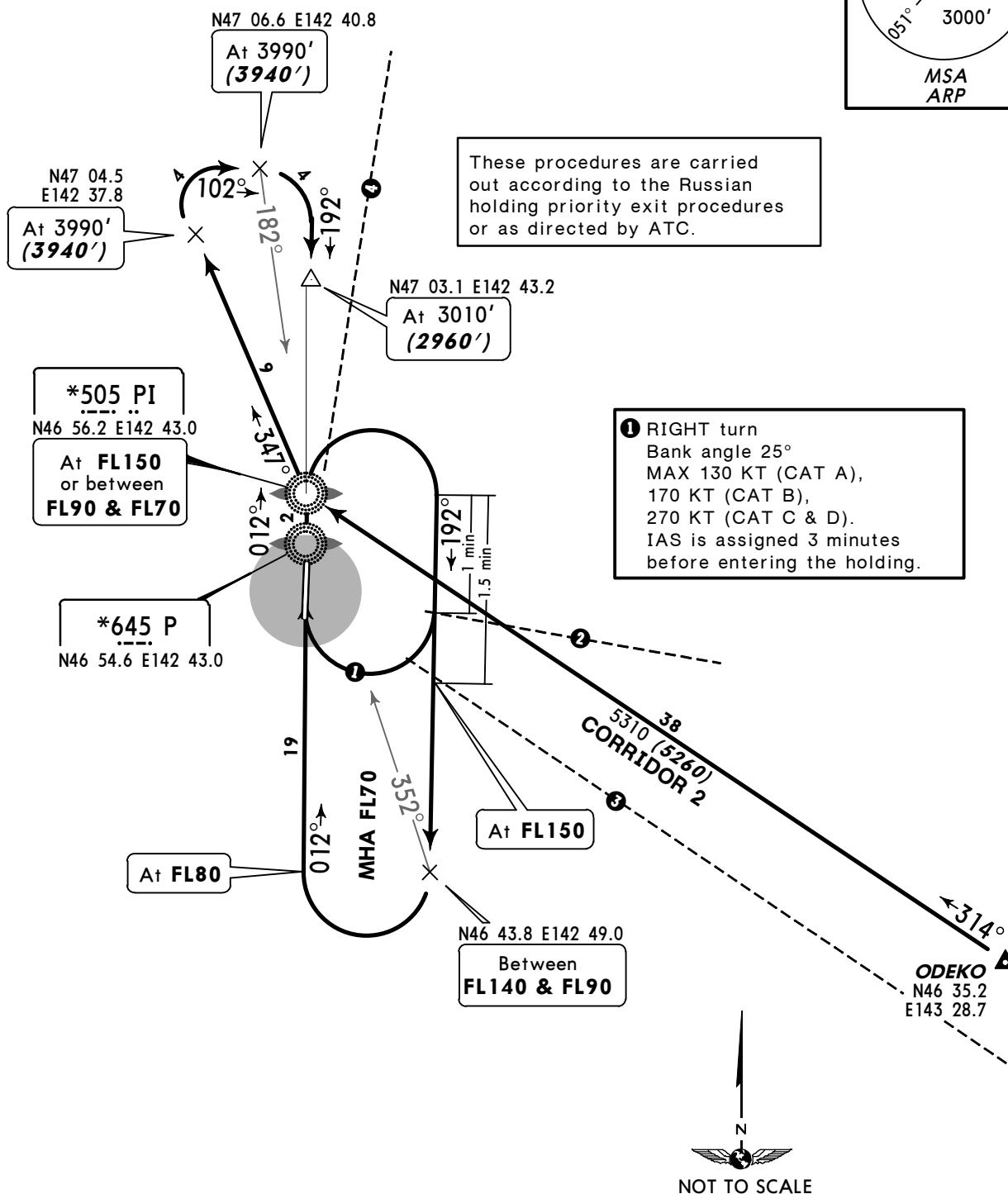
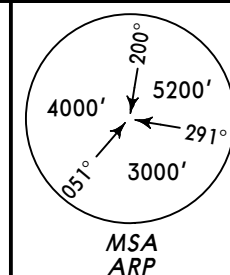


ALT/HEIGHT CONVERSION	QNH	(QFE)
5310'	(5265' - 1600m)	
3990'	(3945' - 1200m)	
3000'	(2955' - 900m)	
2020'	(1975' - 600m)	

- 291° to ARP between 13.5 NM and 3.8 NM do not fly north below 5310' (5265').
- 315° to ARP between 37.8 NM and 3.8 NM do not fly north below 3990' (3945').

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')
Crossings at airway exit points by ATC.

RWY 19 ARRIVAL
FROM SOUTHEAST
BY ATC

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

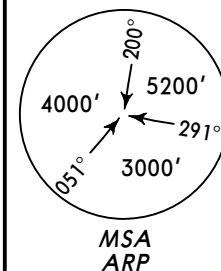
- 291° to ARP between 13.5 NM and 3.8 NM do not fly north below 5310' (5260').
- 315° to ARP between 37.8 NM and 3.8 NM do not fly north below 3990' (3940').
- 200° to ARP between 22.7 NM and 3.8 NM do not fly east below 5310' (5260').

ATIS
126.2Apt Elev
59'

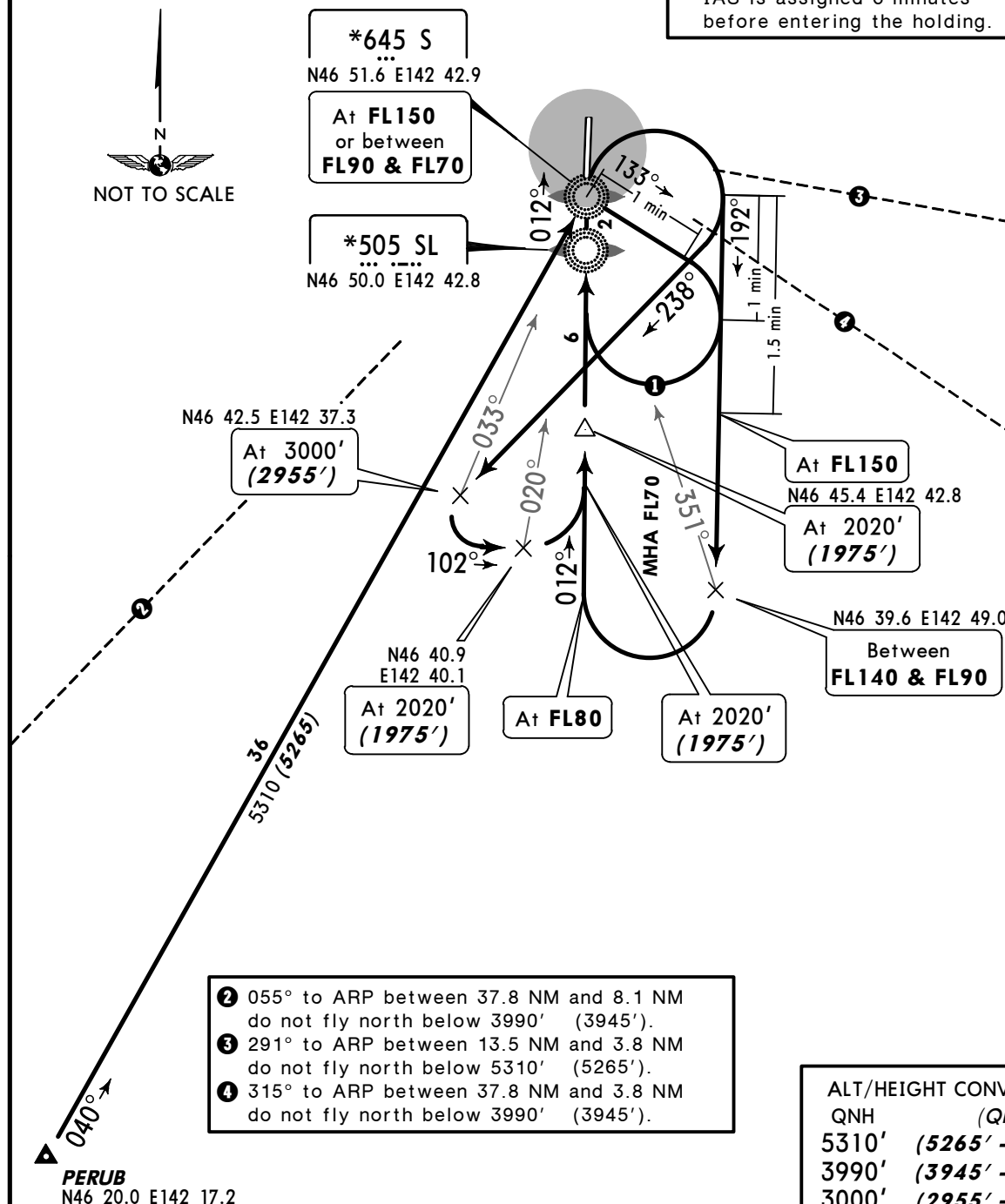
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5265')
Crossings at airway exit points by ATC.

RWY 01 ARRIVAL
FROM SOUTH
BY ATC

These procedures are carried out according to the Russian holding priority exit procedures or as directed by ATC.



- 1 RIGHT turn
Bank angle 25°
MAX 130 KT (CAT A),
170 KT (CAT B),
270 KT (CAT C & D).
IAS is assigned 3 minutes
before entering the holding.



- 2 055° to ARP between 37.8 NM and 8.1 NM do not fly north below 3990' (3945').
3 291° to ARP between 13.5 NM and 3.8 NM do not fly north below 5310' (5265').
4 315° to ARP between 37.8 NM and 3.8 NM do not fly north below 3990' (3945').

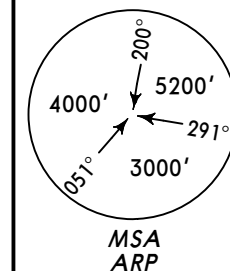
ALT/HEIGHT CONVERSION	
QNH	(QFE)
5310'	(5265' - 1600m)
3990'	(3945' - 1200m)
3000'	(2955' - 900m)
2020'	(1975' - 600m)

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')
Crossings at airway exit points by ATC.

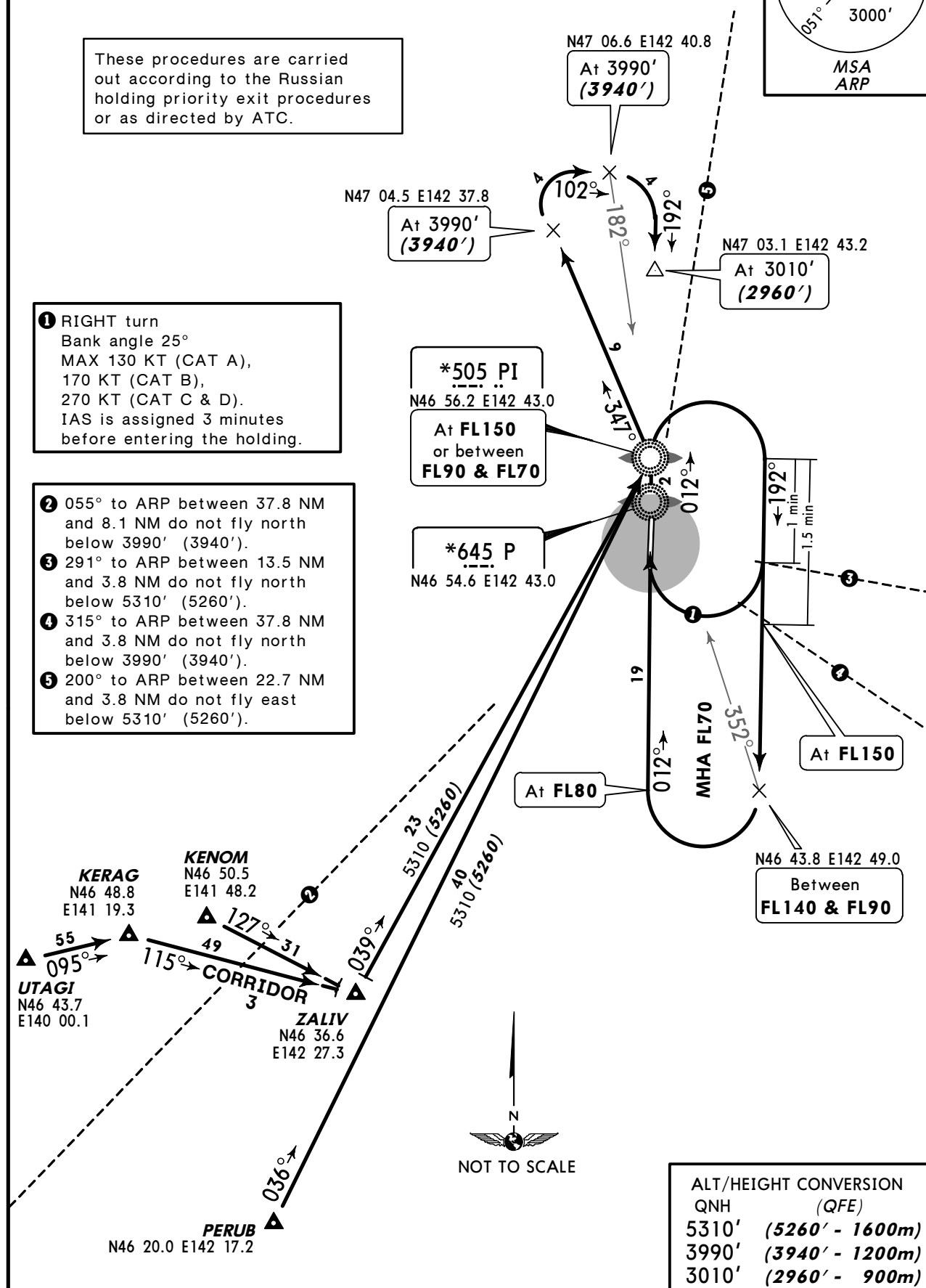
RWY 19 ARRIVALS
FROM SOUTH
BY ATC

These procedures are carried out according to the Russian holding priority exit procedures or as directed by ATC.



- 1 RIGHT turn
Bank angle 25°
MAX 130 KT (CAT A),
170 KT (CAT B),
270 KT (CAT C & D).
IAS is assigned 3 minutes
before entering the holding.

- 2 055° to ARP between 37.8 NM
and 8.1 NM do not fly north
below 3990' (3940').
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').
5 200° to ARP between 22.7 NM
and 3.8 NM do not fly east
below 5310' (5260').



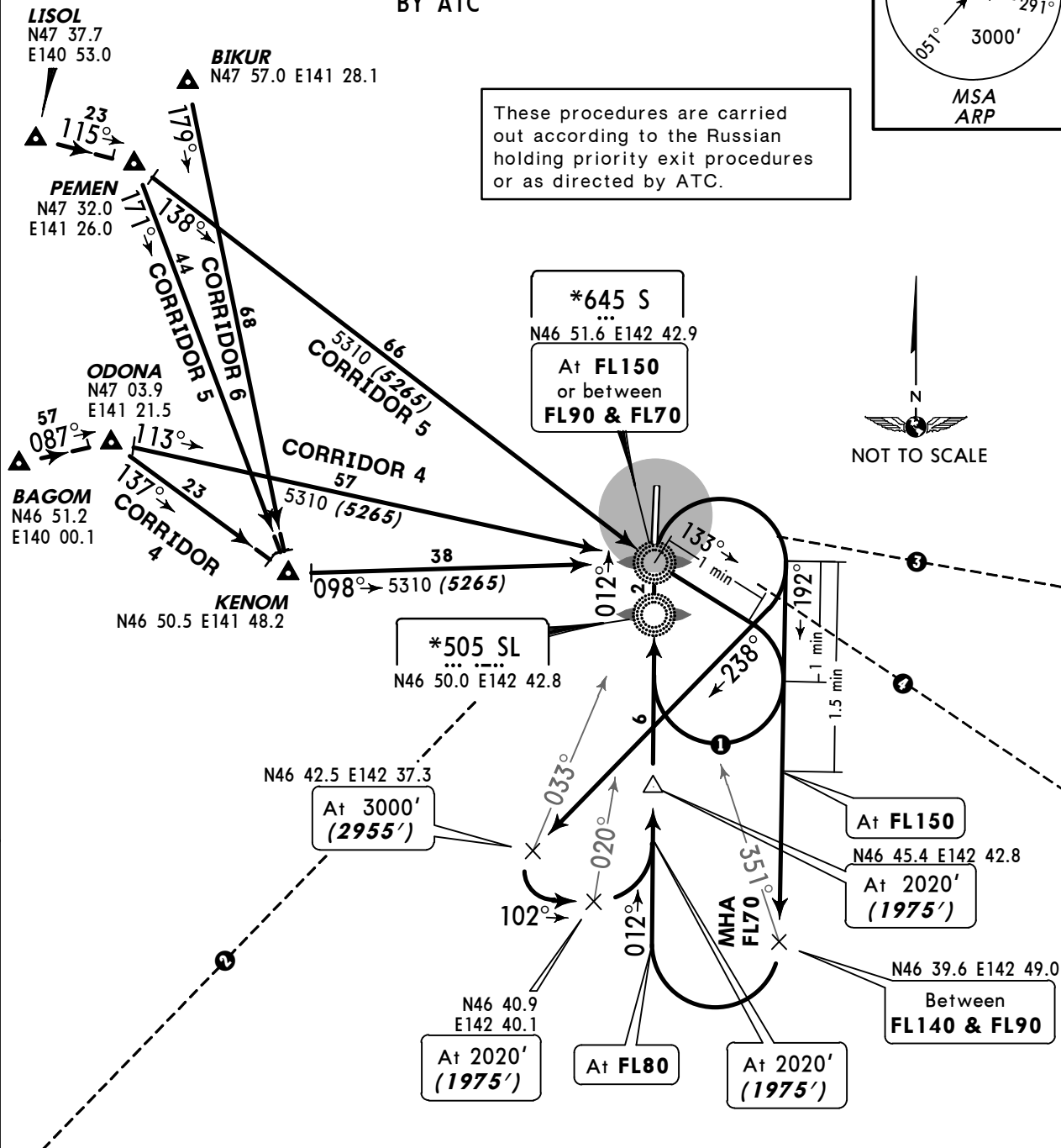
ALT/HEIGHT CONVERSION	
QNH	(QFE)
5310'	(5260' - 1600m)
3990'	(3940' - 1200m)
3010'	(2960' - 900m)

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' (5265')
Crossings at airway exit points by ATC.

ATIS
126.2

Apt Elev
59'

RWY 01 ARRIVALS FROM WEST BY ATC



- ① RIGHT turn
Bank angle 25°
MAX 130 KT (CAT A),
170 KT (CAT B),
270 KT (CAT C & D).
IAS is assigned 3 minutes
before entering the holding.

- ② 055° to ARP between 37.8 NM and 8.1 NM
do not fly north below 3990' (3945').
③ 291° to ARP between 13.5 NM and 3.8 NM
do not fly north below 5310' (5265').
④ 315° to ARP between 37.8 NM and 3.8 NM
do not fly north below 3990' (3945').

ALT/HEIGHT CONVERSION

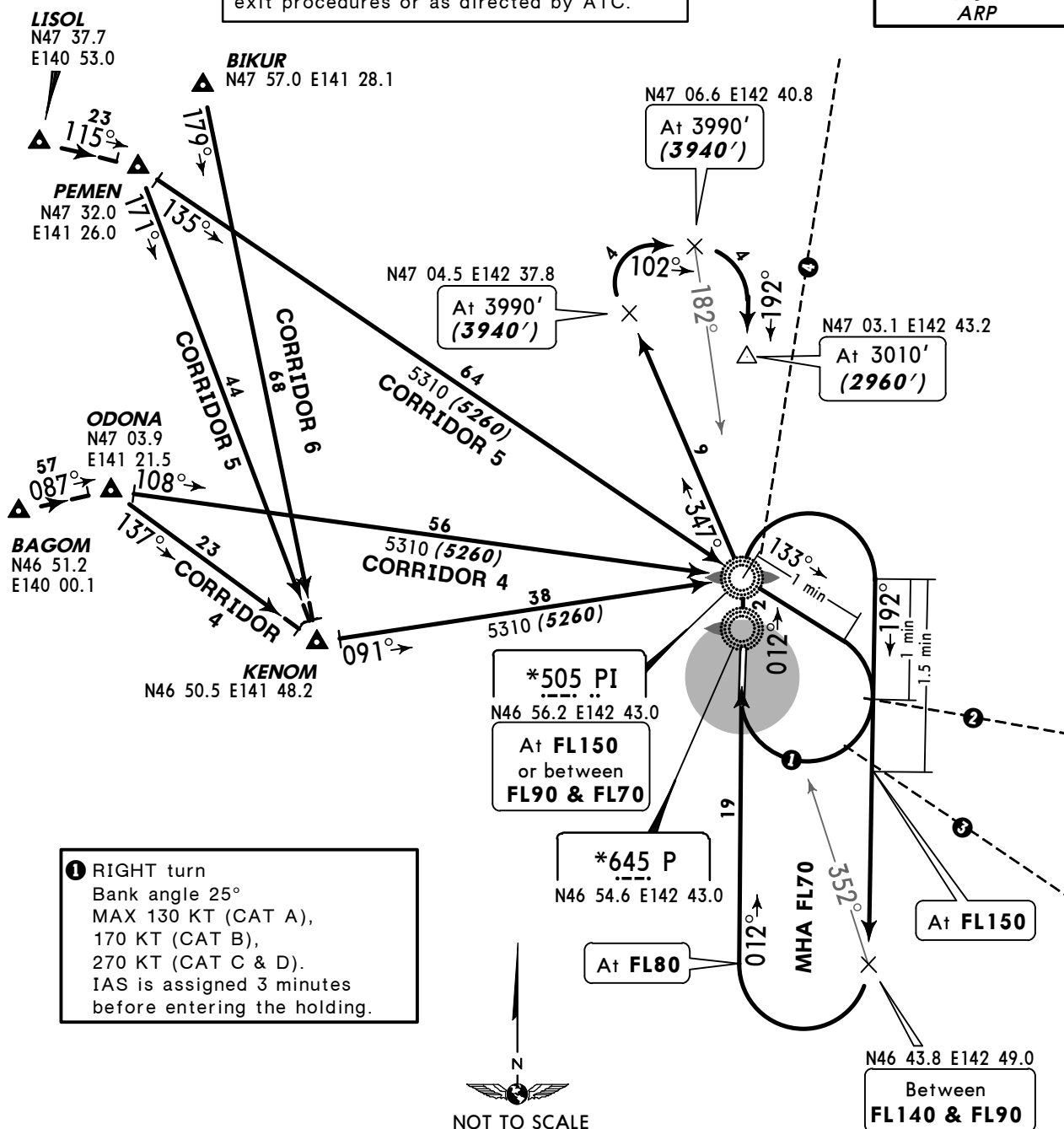
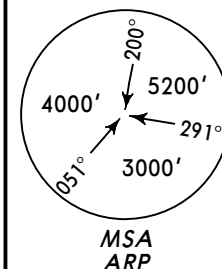
QNH	(QFE)
5310'	(5265' - 1600m)
3990'	(3945' - 1200m)
3000'	(2955' - 900m)
2020'	(1975' - 600m)

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')
Crossings at airway exit points by ATC.

RWY 19 ARRIVALS FROM WEST BY ATC

These procedures are carried out
according to the Russian holding priority
exit procedures or as directed by ATC.



ALT/HEIGHT CONVERSION

QNH (QFE)

5310' (5260' - 1600m)

3990' (3940' - 1200m)

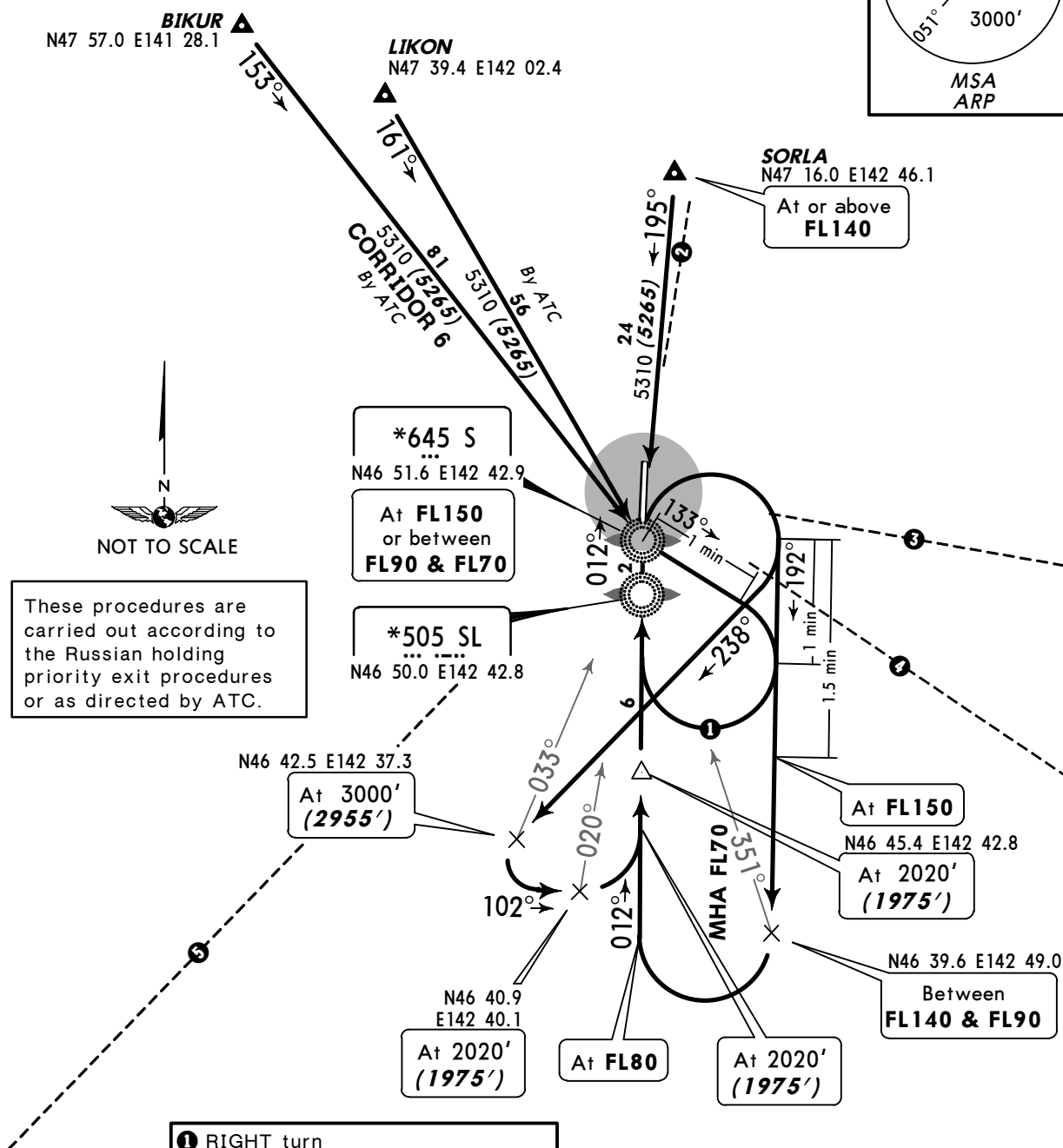
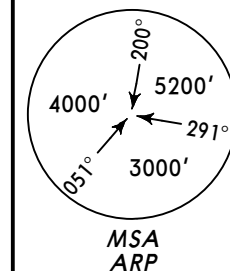
3010' (2960' - 900m)

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' (5265')
Crossings at airway exit points by ATC.

ATIS
126.2

Apt Elev
59'

RWY 01 ARRIVALS FROM NORTHWEST



- ① RIGHT turn
Bank angle 25°
MAX 130 KT (CAT A),
170 KT (CAT B),
270 KT (CAT C & D).
IAS is assigned 3 minutes
before entering the holding.

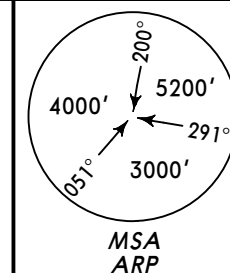
- ② 200° to ARP between 22.7 NM and 3.8 NM
do not fly east below 5310' (5265').
③ 291° to ARP between 13.5 NM and 3.8 NM
do not fly north below 5310' (5265').
④ 315° to ARP between 37.8 NM and 3.8 NM
do not fly north below 3990' (3945').
⑤ 055° to ARP between 37.8 NM and 8.1 NM
do not fly north below 3990' (3945').

ALT/HEIGHT CONVERSION

QNH	(QFE)
5310'	(5265' - 1600m)
3990'	(3945' - 1200m)
3000'	(2955' - 900m)
2020'	(1975' - 600m)

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')
Crossings at airway exit points by ATC.

RWY 19 ARRIVALS
FROM NORTHWESTBIKUR ▲
N47 57.0 E141 28.1LIKON ▲
N47 39.4
E142 02.4

N47 06.6 E142 40.8

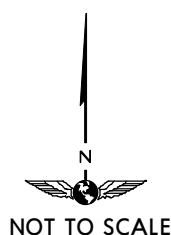
At 3990'
(3940')

N47 04.5 E142 37.8

At 3990'
(3940')SORLA ▲
N47 16.0 E142 46.1N47 03.1 E142 43.2
At 3010'
(2960')*505 PI
N46 56.2 E142 43.0
At FL150
or between
FL90 & FL70*645 P
N46 54.6 E142 43.0

At FL80

At FL150

N46 43.8 E142 49.0
Between
FL140 & FL90

These procedures are carried out
according to the Russian holding priority
exit procedures or as directed by ATC.

- ① RIGHT turn
Bank angle 25°
MAX 130 KT (CAT A),
170 KT (CAT B),
270 KT (CAT C & D).
IAS is assigned 3 minutes
before entering the holding.

- 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').

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

Apt Elev
59'

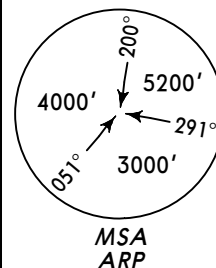
QNH on request (QFE)

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' (5265')

BIKUR 1A [BIKU1A]
RWY 01 DEPARTURE

BIKUR

N47 57.0 E141 28.1

Between

FL180 & FL380

- 1 Beyond 13.5 NM from ARP do not fly below 3990' (3945').
- 2 020° from ARP between 3.8 NM and 22.7 NM do not fly east below 5310' (5265').

71
CORRIDOR 6

[KLYCI]

KLYUCHI

N47 05.3 E142 39.4

At or above
3990' (3945')At 710'
(665')

ALT/HEIGHT CONVERSION

QNH (QFE)

710'	(665' - 200m)
3990'	(3945' - 1200m)
5310'	(5265' - 1600m)

ROUTING

Climb on 012° track to 710' (665'), turn LEFT to KLYUCHI, then to BIKUR.

Apt Elev
59'

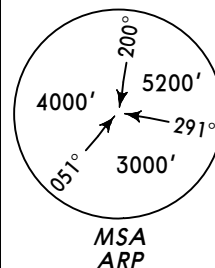
QNH on request (QFE)

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]
BIKUR 3C [BIKU3C], BIKUR 5A [BIKU5A]
RWY 19 DEPARTURES
BY ATC

BIKUR

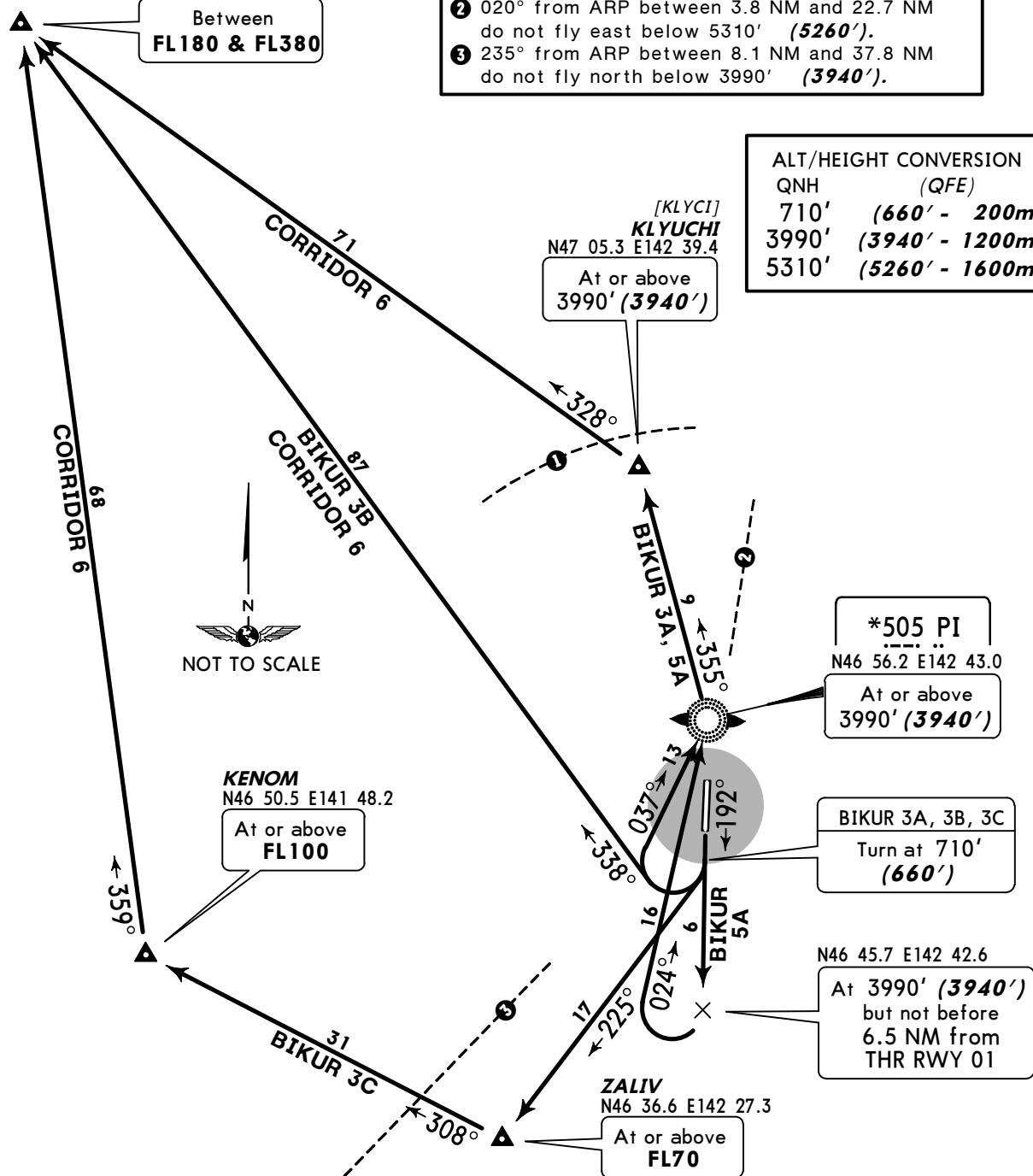
N47 57.0 E141 28.1

Between
FL180 & FL380

- 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').

ALT/HEIGHT CONVERSION

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



SID

ROUTING

BIKUR 3A	Climb on 192° track to 710' (660'), turn RIGHT to PI, then to KLYUCHI, then to BIKUR.
BIKUR 3B	Climb on 192° track to 710' (660'), turn RIGHT to BIKUR.
BIKUR 3C	Climb on 192° track to 710' (660'), turn RIGHT to ZALIV, then to KENOM, then to BIKUR.
BIKUR 5A	Climb on 192° track, at 3990' (3940'), but not before 6.5 NM from THR RWY 01 turn RIGHT to PI, then to KLYUCHI, then to BIKUR.

Apt Elev
59'

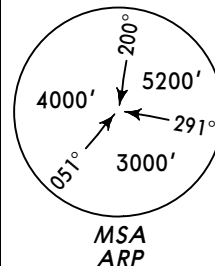
QNH on request (QFE)

Trans level: FL70

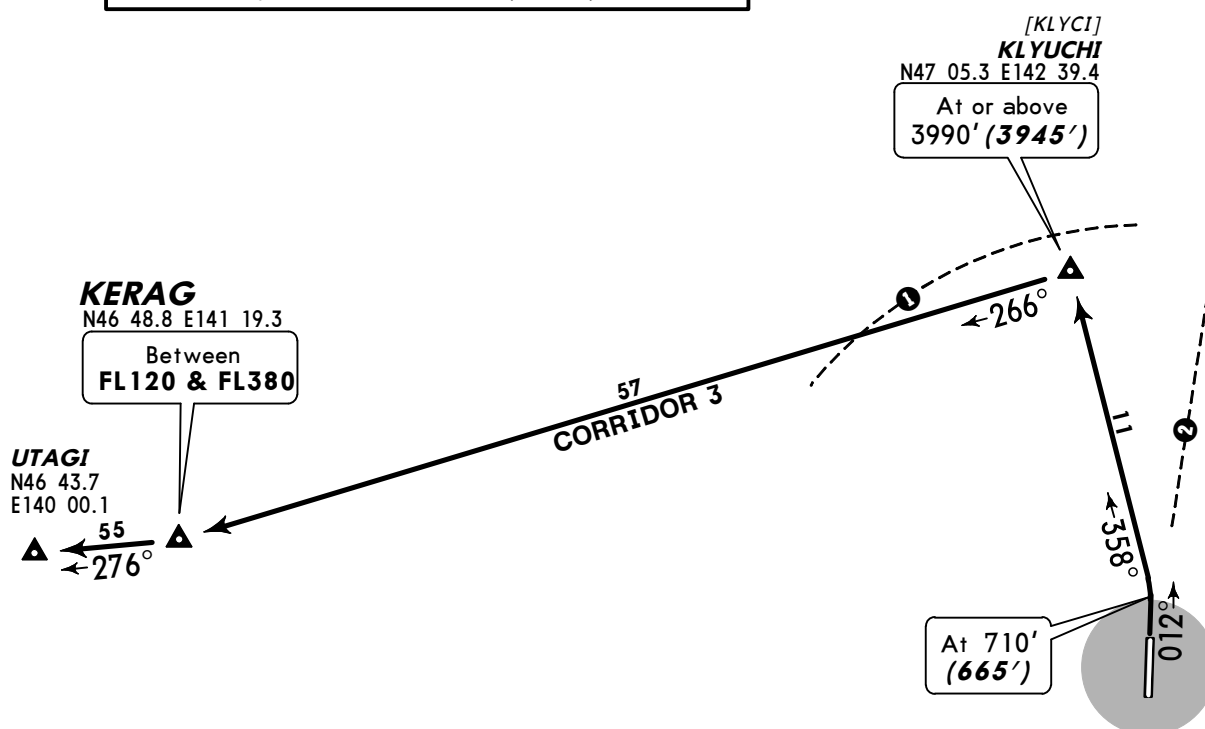
FL80 if pressure is less than 758 mm (1010.6 hPa)

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

Trans alt: 5310' (5265')

**KERAG 1**
RWY 01 DEPARTURE
BY ATC

- 1 Beyond 13.5 NM from ARP do not fly below 3990' (3945').
- 2 020° from ARP between 3.8 NM and 22.7 NM do not fly east below 5310' (5265').



ALT/HEIGHT CONVERSION	
QNH	(QFE)
710'	(665' - 200m)
3990'	(3945' - 1200m)
5310'	(5265' - 1600m)

**ROUTING**

Climb on 012° track to 710' (665'), turn LEFT to KLYUCHI, then to KERAG.

Apt Elev
59'

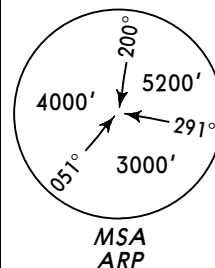
QNH on request (QFE)

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')

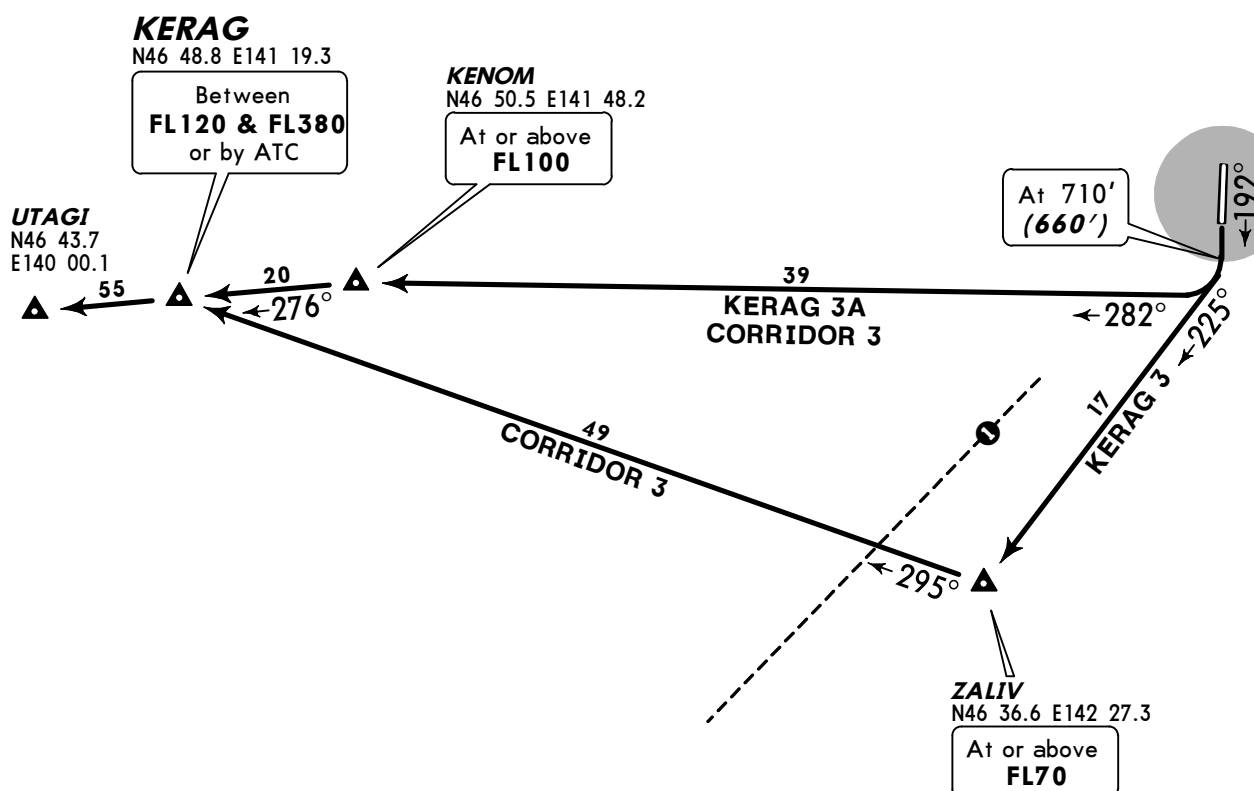


KERAG 3, KERAG 3A [KERA3A]

RWY 19 DEPARTURES

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 on 192° track to 710' (660'), turn RIGHT to ZALIV, then to KERAG.
KERAG 3A	Climb on 192° track to 710' (660'), turn RIGHT to KENOM, then to KERAG.

Apt Elev
59'

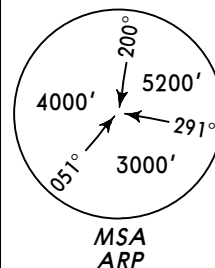
QNH on request (QFE)

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' (5265')

LIKON 1, LIKON 1A [LIKO1A]
RWY 01 DEPARTURES**LIKON**

N47 39.4 E142 02.4

At or above
FL100

- 1 Beyond 13.5 NM from ARP do not fly below 3990' (3945').
- 2 020° from ARP between 3.8 NM and 22.7 NM do not fly east below 5310' (5265').



ALT/HEIGHT CONVERSION

QNH (QFE)

710' (665' - 200m)

3990' (3945' - 1200m)

5310' (5265' - 1600m)

SORLA

N47 16.0 E142 46.1

Between
5310' (5265')
& FL130

[KLYCI]
KLYUCHI
N47 05.3 E142 39.4
At or above
3990' (3945')

At 710'
(665')

SID	ROUTING
LIKON 1	Climb on 012° track to 710' (665'), turn RIGHT to SORLA, then to LIKON.
LIKON 1A	Climb on 012° track to 710' (665'), turn LEFT to KLYUCHI, then to LIKON.

Apt Elev
59'

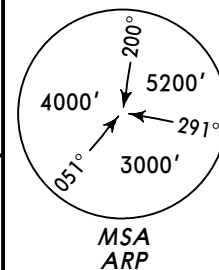
QNH on request (QFE)

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')

MSA
ARP**LIKON**

N47 39.4 E142 02.4

At or above
FL100**LIKON 3****LIKON 3A [LIKO3A]****LIKON 3B [LIKO3B]****LIKON 5****LIKON 5A [LIKO5A]****RWY 19 DEPARTURES****SORLA**

N47 16.0 E142 46.1

At or above
FL70

[KLYCI]

KLYUCHI

N47 05.3 E142 39.4

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

QNH (QFE)

710' (660' - 200m)

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 43.0

At or above
3990' (3940')**LIKON 3, 3A, 3B**
Turn at 710'
(660')

N46 45.7 E142 42.6

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

Climb on 192° track to 710' (660'), turn RIGHT to PI, then to SORLA, then to LIKON.

LIKON 3A

Climb on 192° track to 710' (660'), turn RIGHT to PI, then to KLYUCHI, then to LIKON.

LIKON 3B

Climb on 192° track to 710' (660'), turn RIGHT to LIKON.

LIKON 5

Climb on 192° track, at 3990' (3940'), but not before 6.5 NM from THR RWY 01 turn RIGHT to PI, then to SORLA, then to LIKON.

LIKON 5A

Climb on 192° track, at 3990' (3940'), but not before 6.5 NM from THR RWY 01 turn RIGHT to PI, then to KLYUCHI, then to LIKON.

Apt Elev
59'

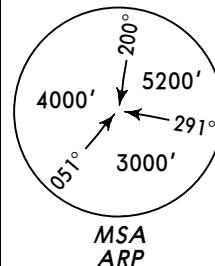
QNH on request (QFE)

Trans level: FL70

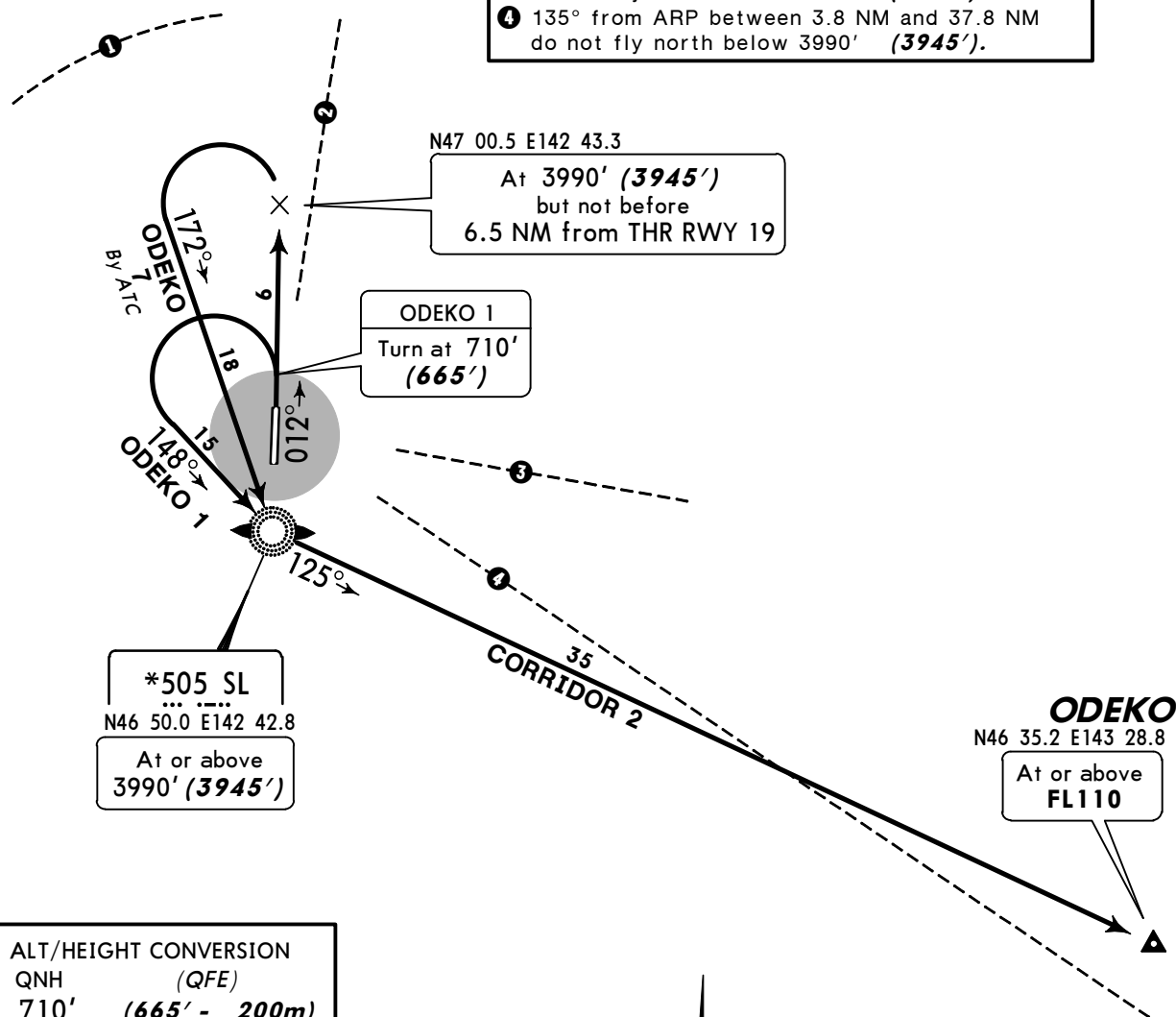
FL80 if pressure is less than 758 mm (1010.6 hPa)

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

Trans alt: 5310' (5265')

ODEKO 1, ODEKO 7
RWY 01 DEPARTURES

- 1 Beyond 13.5 NM from ARP do not fly below 3990' (3945').
- 2 020° from ARP between 3.8 NM and 22.7 NM do not fly east below 5310' (5265').
- 3 111° from ARP between 3.8 NM and 13.5 NM do not fly north below 5310' (5265').
- 4 135° from ARP between 3.8 NM and 37.8 NM do not fly north below 3990' (3945').



ALT/HEIGHT CONVERSION	
QNH	(QFE)
710'	(665' - 200m)
3990'	(3945' - 1200m)
5310'	(5265' - 1600m)



NOT TO SCALE

SID	ROUTING
ODEKO 1	Climb on 012° track to 710' (665'), turn LEFT to SL, then to ODEKO.
ODEKO 7	Climb on 012° track, at 3990' (3945'), but not before 6.5 NM from THR RWY 19 turn LEFT to SL, then to ODEKO.

Apt Elev
59'

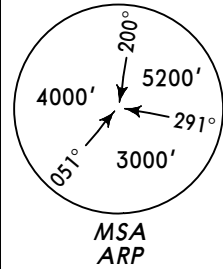
QNH on request (QFE)

Trans level: FL70

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

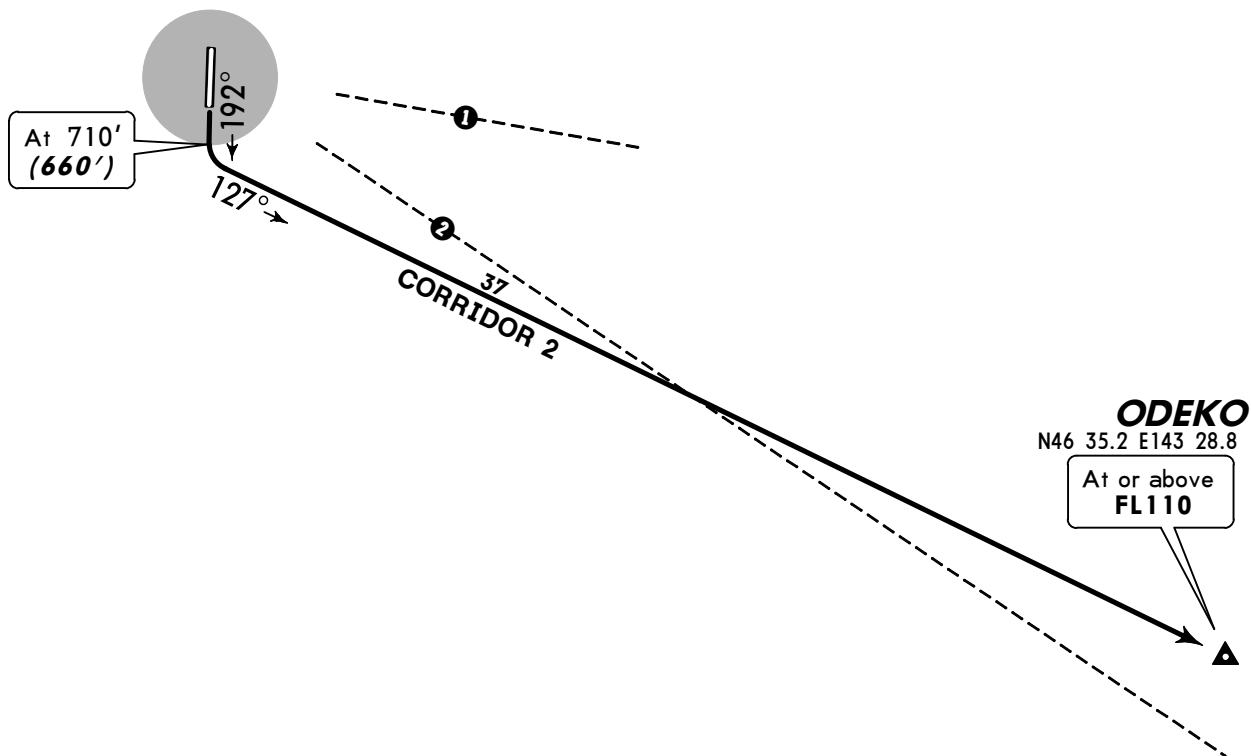
FL90 if pressure is less than 731 mm (974.6 hPa).

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 on 192° track to 710' (660'), turn LEFT to ODEKO.

Apt Elev
59'

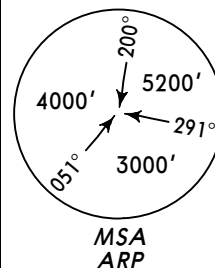
QNH on request (QFE)

Trans level: FL70

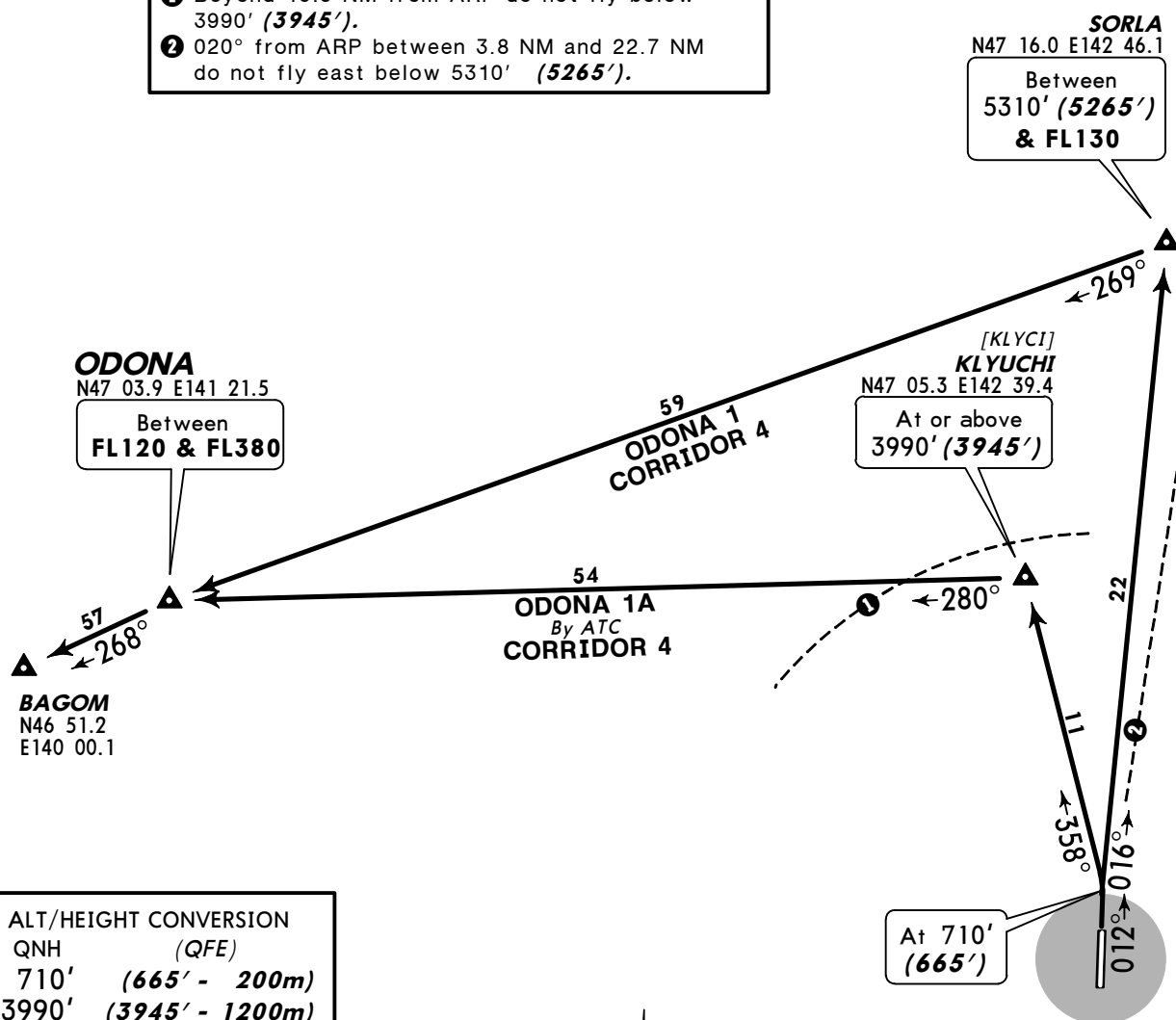
FL80 if pressure is less than 758 mm (1010.6 hPa)

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

Trans alt: 5310' (5265')

ODONA 1, ODONA 1A [ODON1A]
RWY 01 DEPARTURES

- 1 Beyond 13.5 NM from ARP do not fly below 3990' (3945').
- 2 020° from ARP between 3.8 NM and 22.7 NM do not fly east below 5310' (5265').



ALT/HEIGHT CONVERSION	
QNH	(QFE)
710'	(665' - 200m)
3990'	(3945' - 1200m)
5310'	(5265' - 1600m)



NOT TO SCALE

SID	ROUTING
ODONA 1	Climb on 012° track to 710' (665'), turn RIGHT to SORLA, then to ODONA.
ODONA 1A	Climb on 012° track to 710' (665'), turn LEFT to KLYUCHI, then to ODONA.

Apt Elev
59'

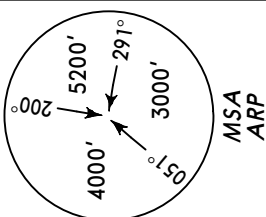
QNH on request (QFE)

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')



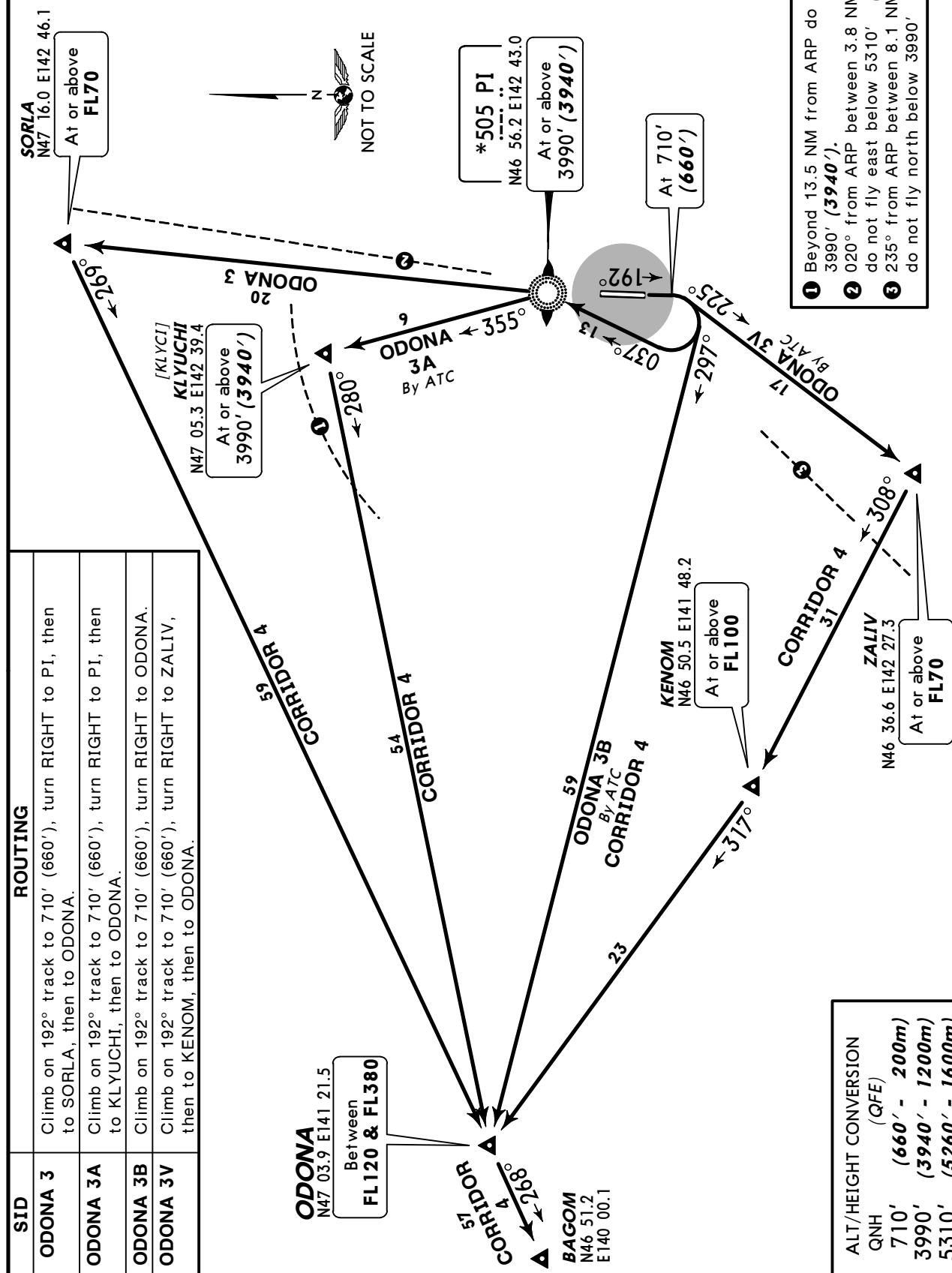
ODONA 3, ODONA 3A [ODON3A]

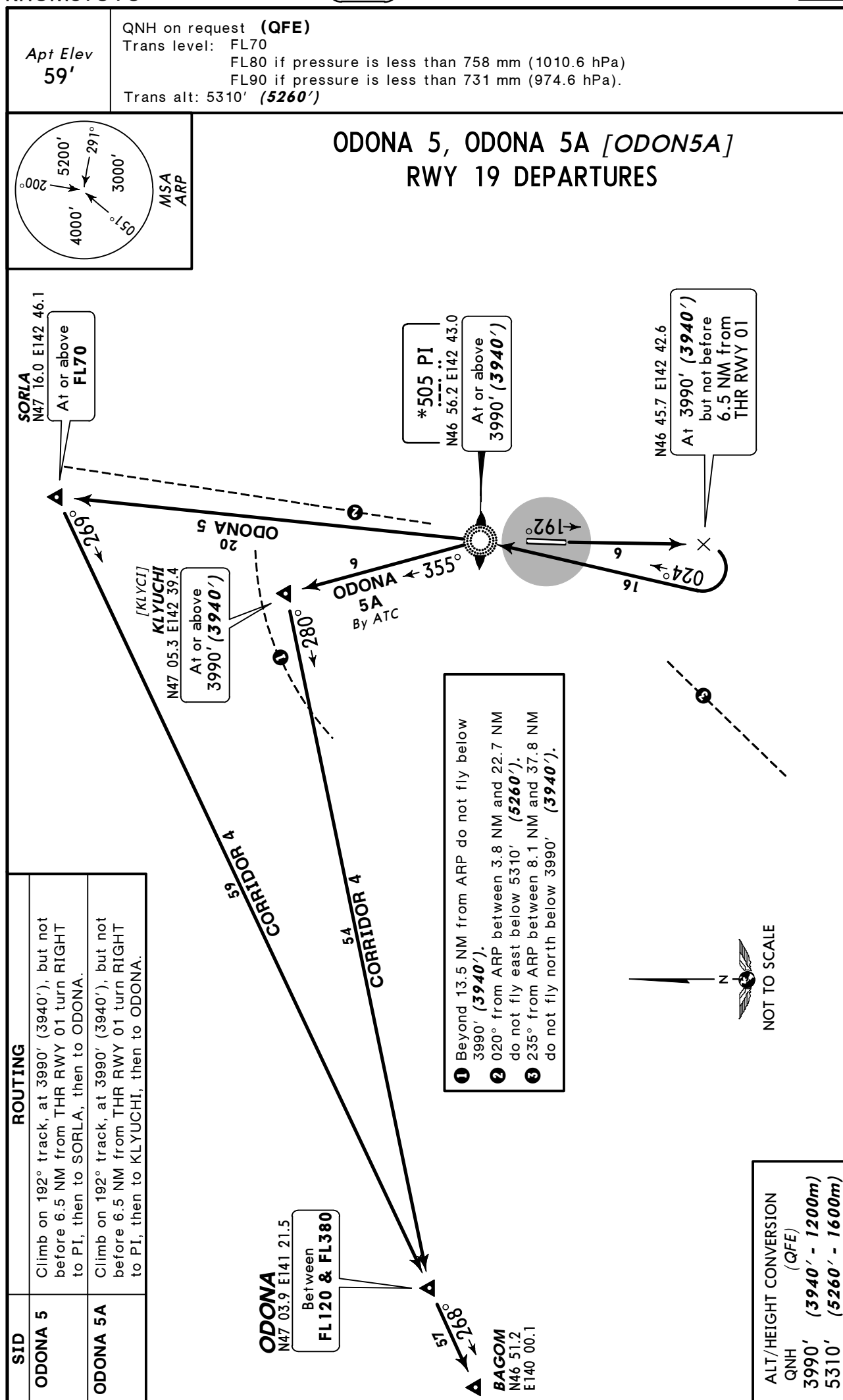
ODONA 3B [ODON3B]

ODONA 3V [ODON3V]

RWY 19 DEPARTURES

FOR SIDS ODONA 5 & 5A REFER TO CHART 10-3K





Apt Elev
59'

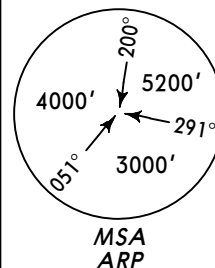
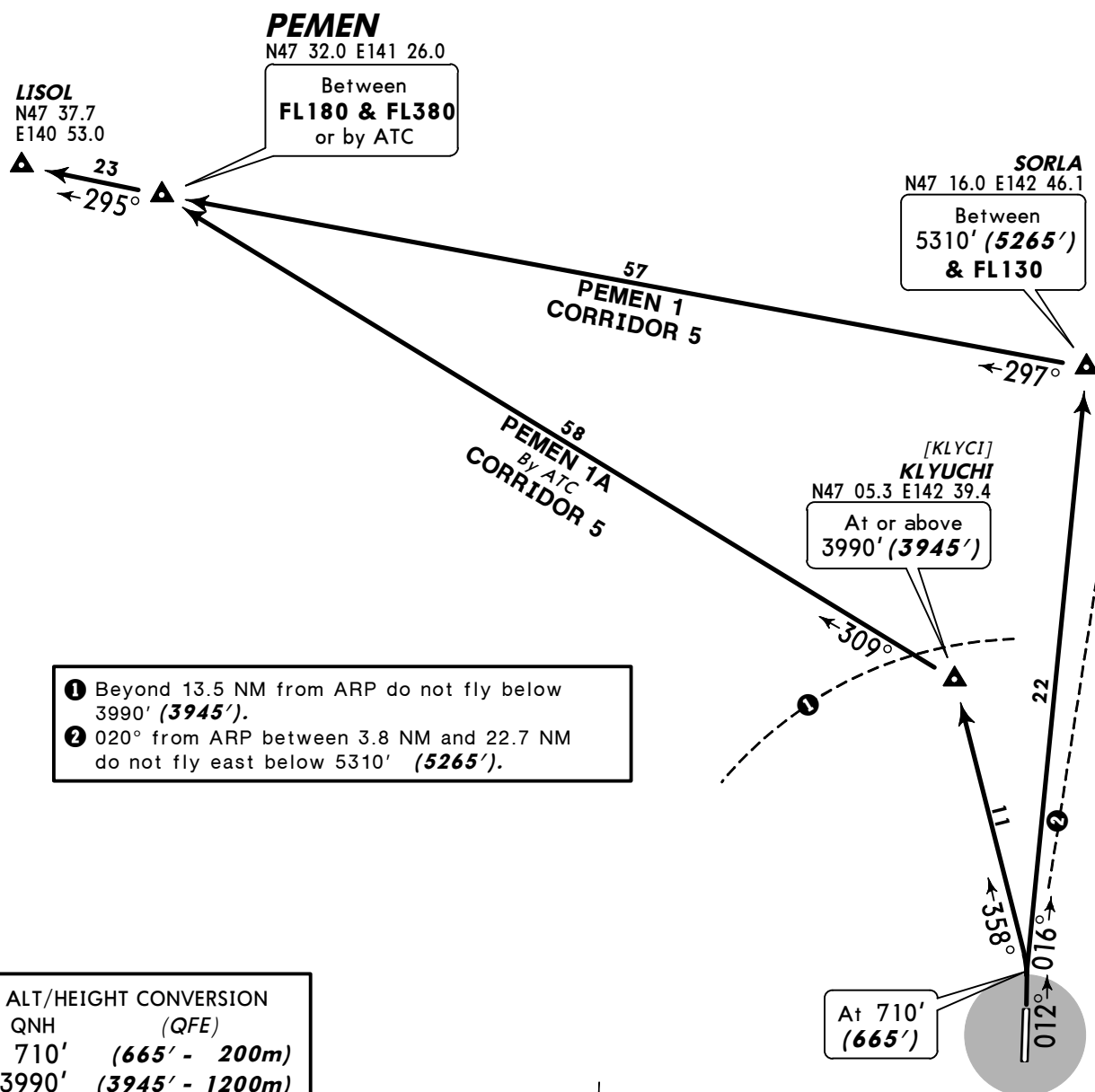
QNH on request (QFE)

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' (5265')

PEMEN 1, PEMEN 1A [PEME1A]
RWY 01 DEPARTURES

ALT/HEIGHT CONVERSION	
QNH	(QFE)
710'	(665' - 200m)
3990'	(3945' - 1200m)
5310'	(5265' - 1600m)



SID

ROUTING

PEMEN 1

Climb on 012° track to 710' (665'), turn RIGHT to SORLA, then to PEMEN.

PEMEN 1A

Climb on 012° track to 710' (665'), turn LEFT to KLYUCHI, then to PEMEN.

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

FOR SIDS PEMEN 5 & 5A REFER TO CHART 10-3N

Apt Elev
59'

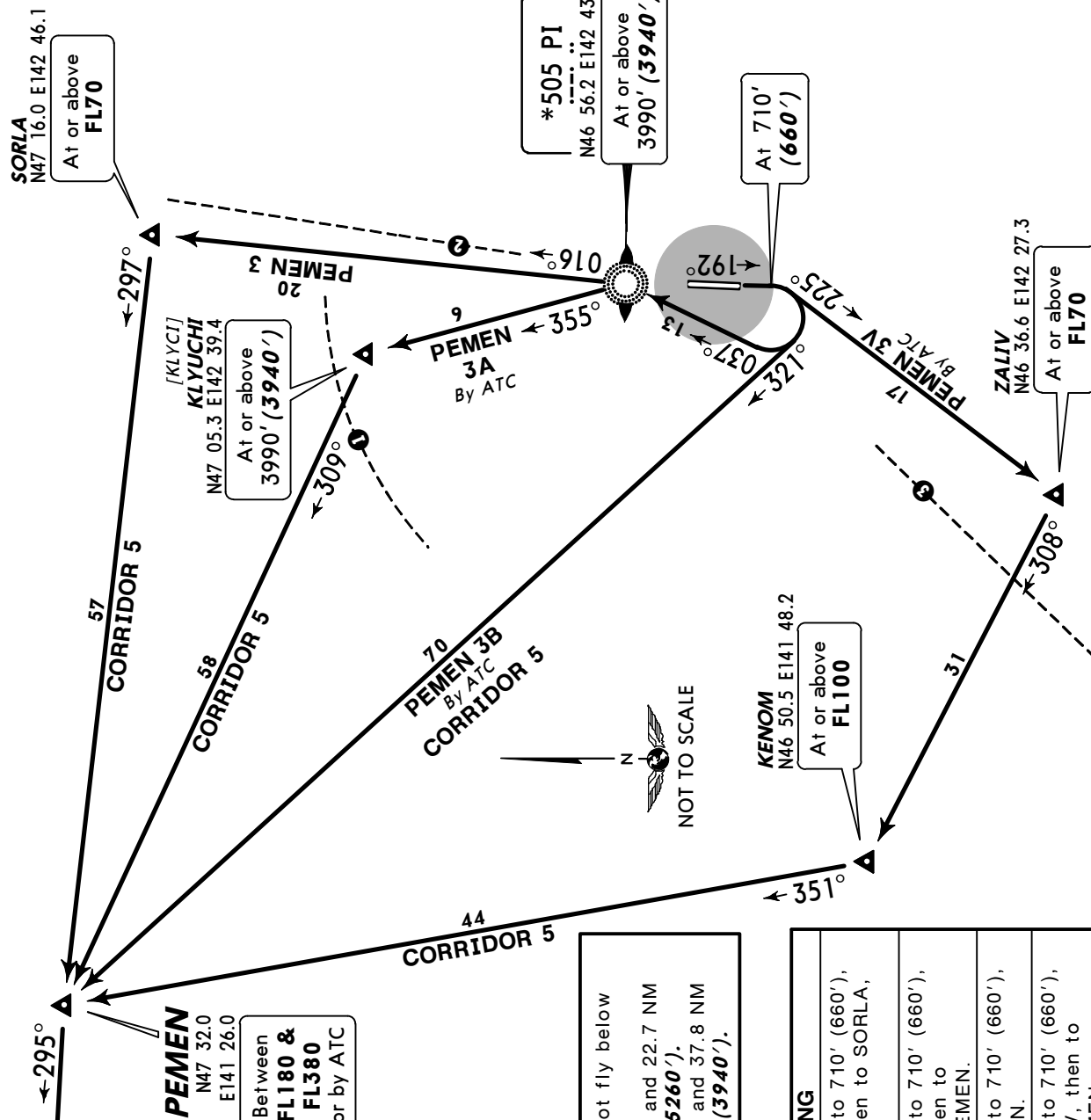
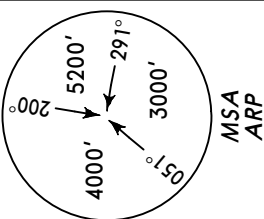
QNH on request (QFE)

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

N47 32.0
E141 26.0

Between
FL180 &
FL380
or by ATC

ALT/HEIGHT CONVERSION
(QFE)

710' (660' - 200m)
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').

ROUTING

SID	ROUTING
PEMEN 3	Climb on 192° track to 710' (660'), turn RIGHT to PI, then to SORLA, then to PEMEN.
PEMEN 3A	Climb on 192° track to 710' (660'), turn RIGHT to PI, then to KLYUCHI, then to PEMEN.
PEMEN 3B	Climb on 192° track to 710' (660'), turn RIGHT to PEMEN.
PEMEN 3V	Climb on 192° track to 710' (660'), turn RIGHT to ZALIV, then to KENOM, then to PEMEN.

Apt Elev
59'

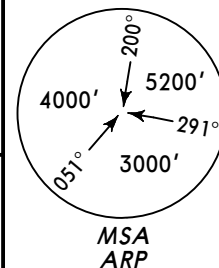
QNH on request (QFE)

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 5, PEMEN 5A [PEME5A]
RWY 19 DEPARTURESLISOL
N47 37.7
E140 53.023
←295°

PEMEN

N47 32.0 E141 26.0

Between
FL180 & FL380
or by ATCSORLA
N47 16.0 E142 46.1At or above
FL7057
CORRIDOR 5

←297°

58
CORRIDOR 5[KLYCI]
KLYUCHI
N47 05.3 E142 39.4At or above
3990' (3940')20
PEMEN 59
PEMEN 5A
By ATC

←355°

*505 PI

N46 56.2 E142 43.0

At or above
3990' (3940')

N46 45.7 E142 42.6

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

- 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').

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

SID

ROUTING

PEMEN 5

Climb on 192° track, at 3990' (3940'), but not before 6.5 NM from THR RWY 01 turn RIGHT to PI, then to SORLA, then to PEMEN.

PEMEN 5A

Climb on 192° track, at 3990' (3940'), but not before 6.5 NM from THR RWY 01 turn RIGHT to PI, then to KLYUCHI, then to PEMEN.

Apt Elev
59'

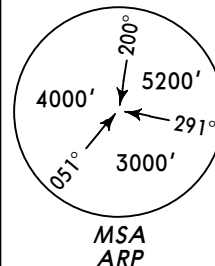
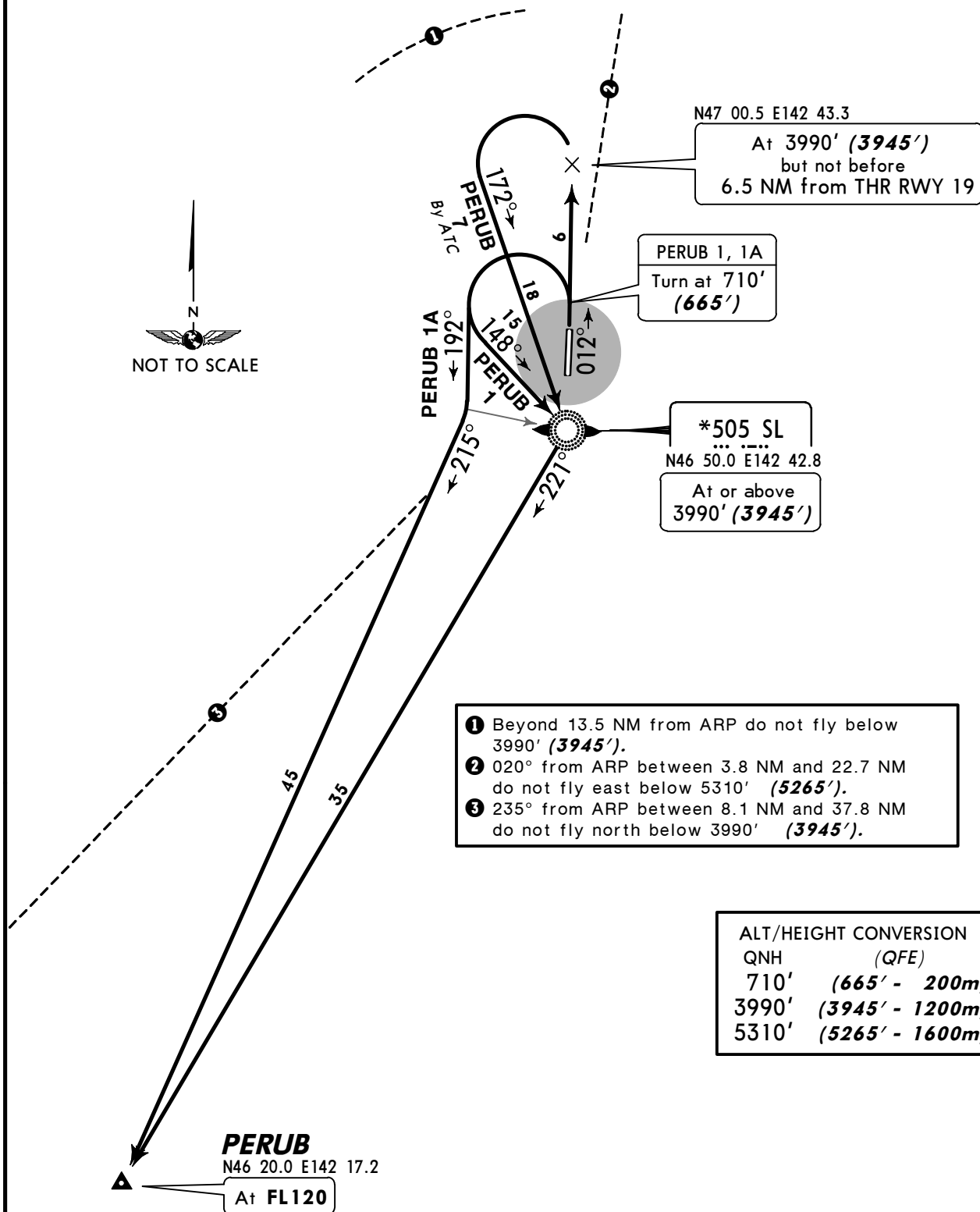
QNH on request (QFE)

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' (5265')

PERUB 1, PERUB 1A [PERU1A], PERUB 7
RWY 01 DEPARTURES

SID	ROUTING
PERUB 1	Climb on 012° track to 710' (665'), turn LEFT to SL, then to PERUB.
PERUB 1A	Climb on 012° track to 710' (665'), turn LEFT, 192° track, climb to abeam SL, then to PERUB.
PERUB 7	Climb on 012° track, at 3990' (3945'), but not before 6.5 NM from THR RWY 19 turn LEFT to SL, then to PERUB.

Apt Elev
59'

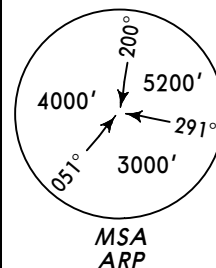
QNH on request (QFE)

Trans level: FL70

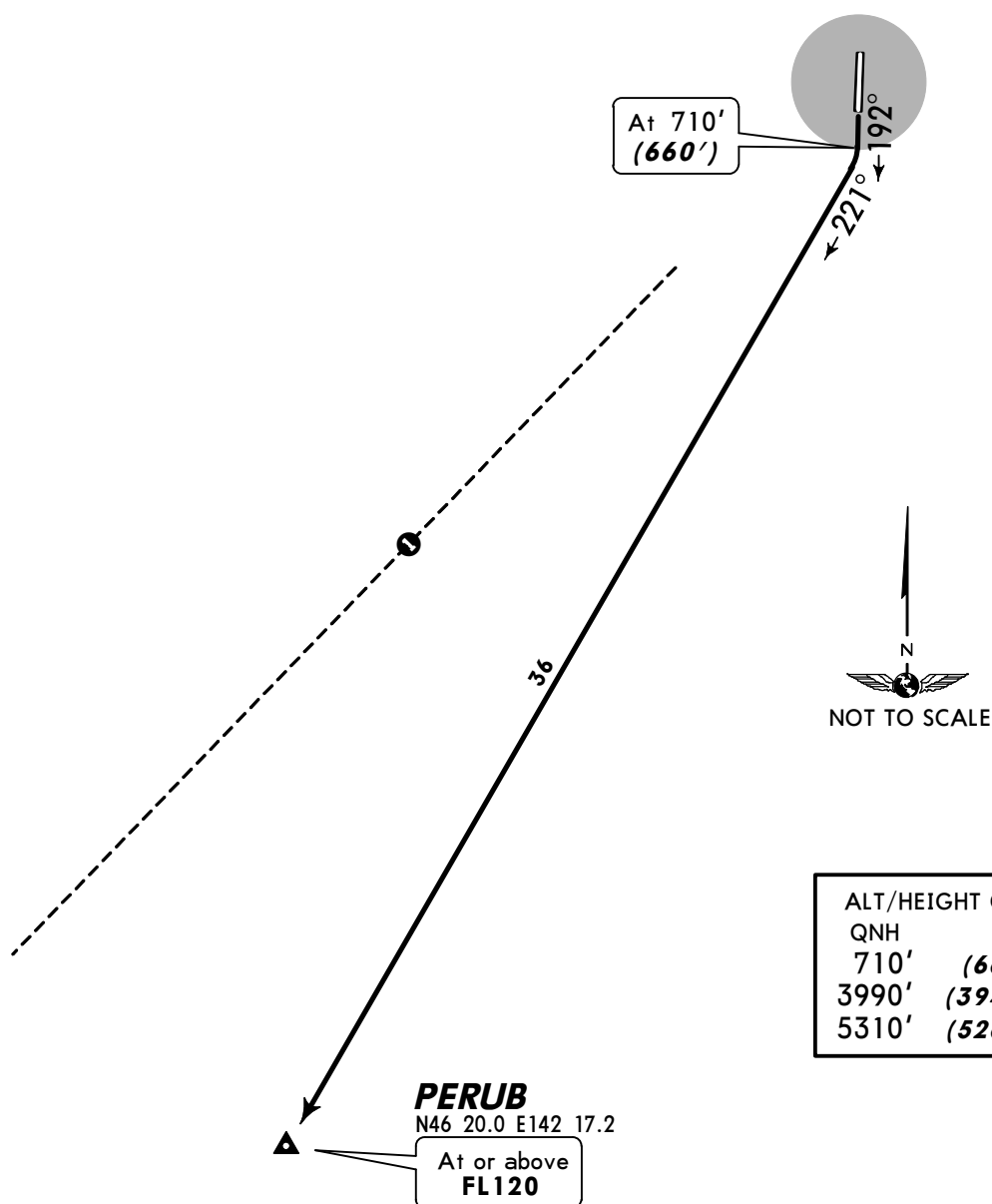
FL80 if pressure is less than 758 mm (1010.6 hPa)

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

Trans alt: 5310' (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').



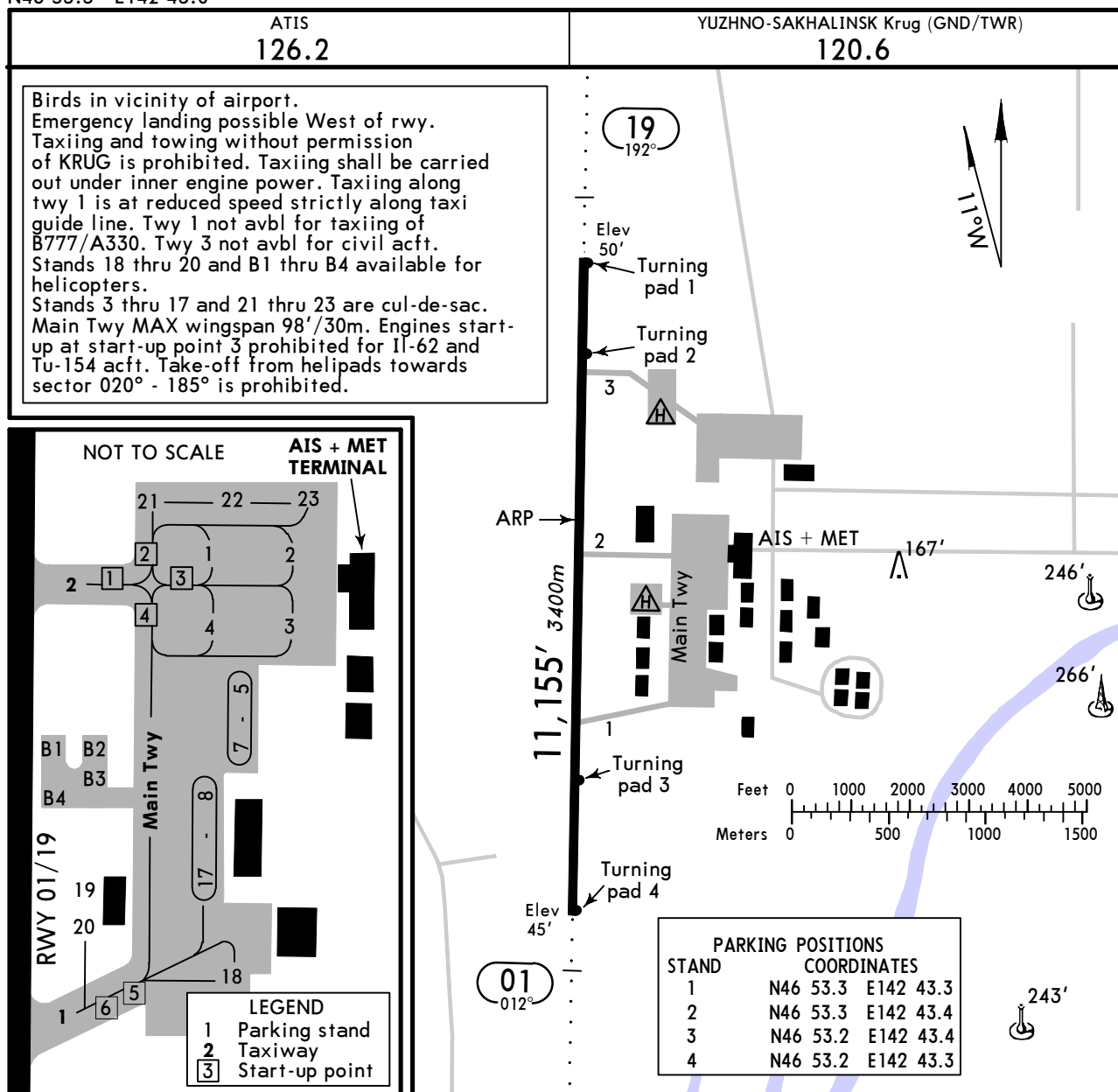
ALT/HEIGHT CONVERSION	
QNH	(QFE)
710'	(660' - 200m)
3990'	(3940' - 1200m)
5310'	(5260' - 1600m)

ROUTING

Climb on 192° track to 710' (660'), turn RIGHT to PERUB

UHSS/UUS
Apt Elev 59'
N46 53.3 E142 43.0

JEPPesen YUZHNO-SAKHALINSK, RUSSIA
4 NOV 11 (10-9) Eff 17 Nov
KHOMUTOVO



ADDITIONAL RUNWAY INFORMATION

ADDITIONAL RUNWAY INFORMATION					USABLE LENGTHS		TAKE-OFF	WIDTH
RWY					Threshold	Glide Slope		
01	RL (60m)	ALS		RVR		10,171' 3100m	1 2	148' 45m
19	RL (60m)	ALS	PAPI-L (angle 3.0°)	RVR		10,138' 3090m		

1 Rwy 01/19 first 328'(100m) not available for Take-off.

2 TAKE-OFF RUN AVAILABLE

RWY 01:

From rwy head	10,827' (3300m)
turning pad 3	8530' (2600m)
twy 1 int	7710' (2350m)
twy 2 int	4757' (1450m)

RWY 19:

From rwy head	10,827' (3300m)
turning pad 2	9186' (2800m)
twy 2 int	6069' (1850m)
twy 1 int	3117' (950m)

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	245' (200') R1000m	245' (200') R1000m	245' (200') R1000m	245' (200') R1000m
	<i>ALS out</i>	R1200m	R1200m	R1200m	R1200m
	LOC	NOT AUTH	NOT AUTH	NOT AUTH	NOT AUTH
	2 NDB ❶	400' (355') R1400m	400' (355') R1400m	400' (355') R1400m	400' (355') R1400m
	<i>ALS out</i>	R1500m	R1500m	R1600m	R1600m
	NDB ❶ ❷	850' (805') R1500m	850' (805') R1500m	850' (805') C2400m	850' (805') C2400m
19	NDB ❶ ❸	1050' (1005') C4600m	1050' (1005') C4600m	1050' (1005') C4600m	1050' (1005') C4600m
	<i>ALS out</i>	C4900m	C4900m	C4900m	C4900m
	ILS	250' (200') R1000m	250' (200') R1000m	250' (200') R1000m	250' (200') R1000m
	<i>ALS out</i>	R1200m	R1200m	R1200m	R1200m
	LOC	NOT AUTH	NOT AUTH	NOT AUTH	NOT AUTH
	2 NDB ❶ ❷	450' (400') R1500m	450' (400') R1500m	450' (400') R1600m	450' (400') R1600m
	<i>ALS out</i>	R1500m	R1500m	R1800m	R1800m
	2 NDB ❶ ❸	1320' (1270') C5000m	1320' (1270') C5000m	1320' (1270') C5000m	1320' (1270') C5000m
	NDB ❶ ❹	1600' (1550') C5000m	1600' (1550') C5000m	1600' (1550') C5000m	1600' (1550') C5000m
	NDB ❶ ❺	1880' (1830') C5000m	1880' (1830') C5000m	1880' (1830') C5000m	1880' (1830') C5000m
	NDB ❶ ❻	2190' (2140') C5000m	2190' (2140') C5000m	2190' (2140') C5000m	2190' (2140') C5000m
	NDB ❶ ❼	2190' (2140') C5000m	2190' (2140') C5000m	2190' (2140') C5000m	2190' (2140') C5000m

❶ Continuous Descent Final Approach.

❷ with FAF.

❸ w/o FAF.

❹ LOM with FAF.

❺ LMM with FAF.

TAKE-OFF RWY 01, 19

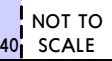
LVP must be in Force			
RCLM (DAY only) or RL		RCLM (DAY only) or RL	NIL (DAY only)
A	250m	400m	500m
B			
C			
D	300m		

BRIEFING STRIP™

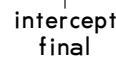
105

O.

5



NDB apch: Pass LMM not below 280' (235').



ALS
[REDACTED]
.....

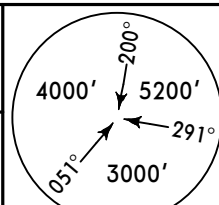
.....

PANS OPS

ATIS 126.2		YUZHNO-SAKHALINSK Krug (APP/SRE/TWR) 120.6			Ground 120.6
LOC IPI *111.7	Final Apch Crs 192°	GS LOM 788' (738')	ILS DA(H) 250' (200')	Apt Elev 59' RWY 50'	

MISSED APCH: Climb on 192° to 710' (660'), then turn RIGHT onto 012° climbing to 3990' (3940') to ABEAM PI NDB, then according to chart, or By ATC: Proceed to holding area. ①

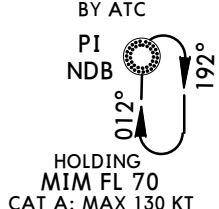
Alt Set: MM(hPa on req) QNH on req (QFE) Trans level: FL 70 ② Trans alt: 5310' (5260')



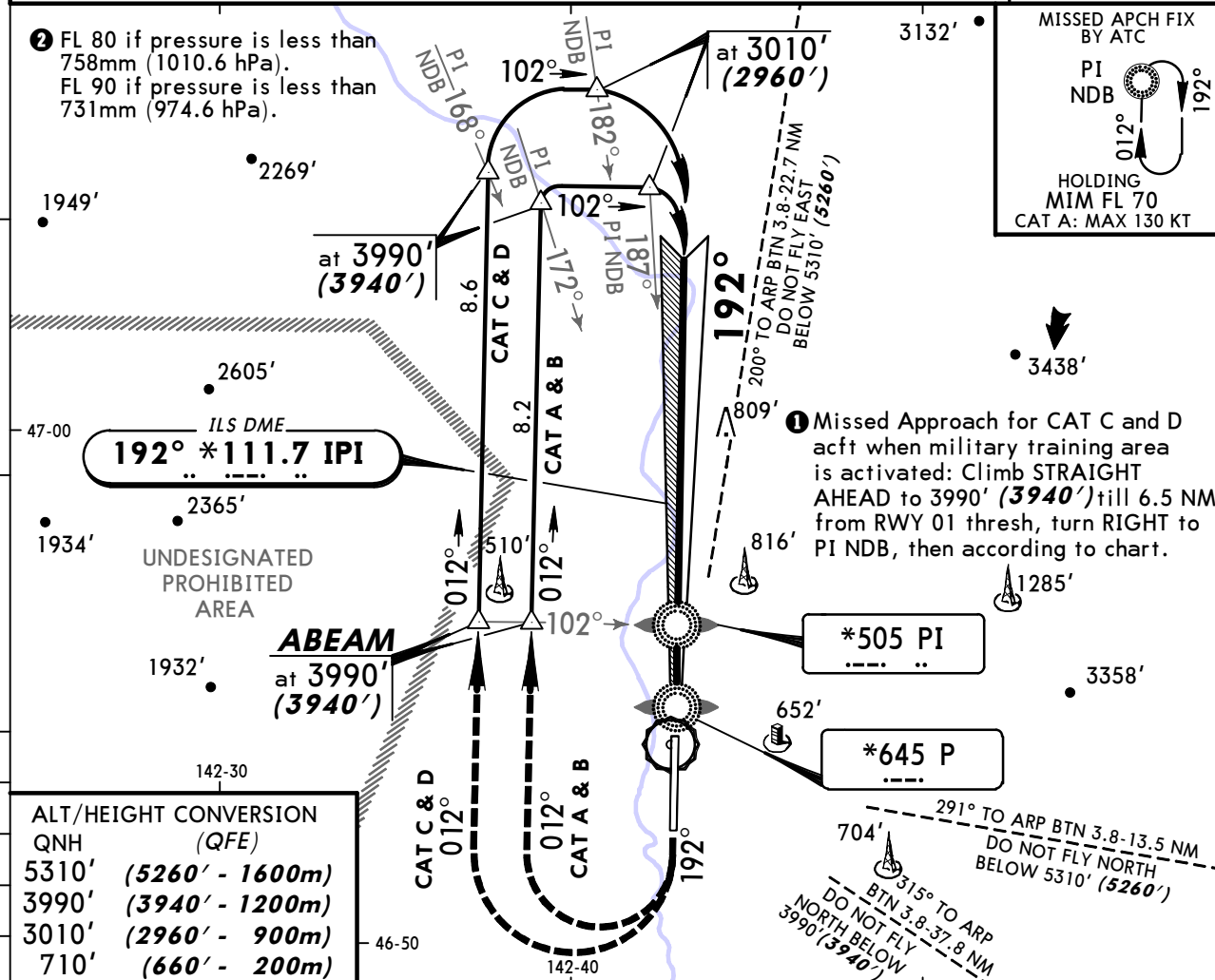
MSA ARP

- ② FL 80 if pressure is less than 758mm (1010.6 hPa).
- FL 90 if pressure is less than 731mm (974.6 hPa).

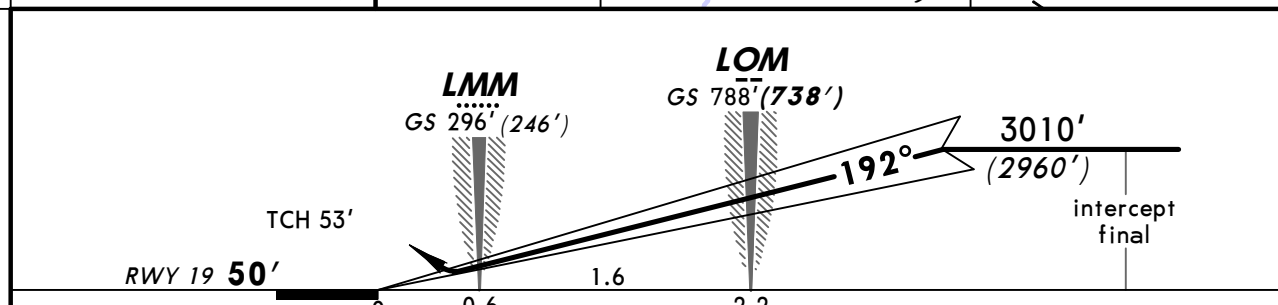
MISSED APCH FIX BY ATC



HOLDING
MIM FL 70
CAT A: MAX 130 KT



ALT/HEIGHT CONVERSION	
QNH	(QFE)
5310' (5260' - 1600m)	
3990' (3940' - 1200m)	
3010' (2960' - 900m)	
710' (660' - 200m)	



Gnd speed-Kts	70	90	100	120	140	160	ALS PAPI		Refer to Missed Apch above
GS	3.00°	377	484	538	646	753			

STRAIGHT-IN LANDING RWY 19										
ILS					LOC (GS out)					
DA(H) 250'(200')										
FULL					ALS out					
A	1200m				NOT AUTH					
B										
C										
D										

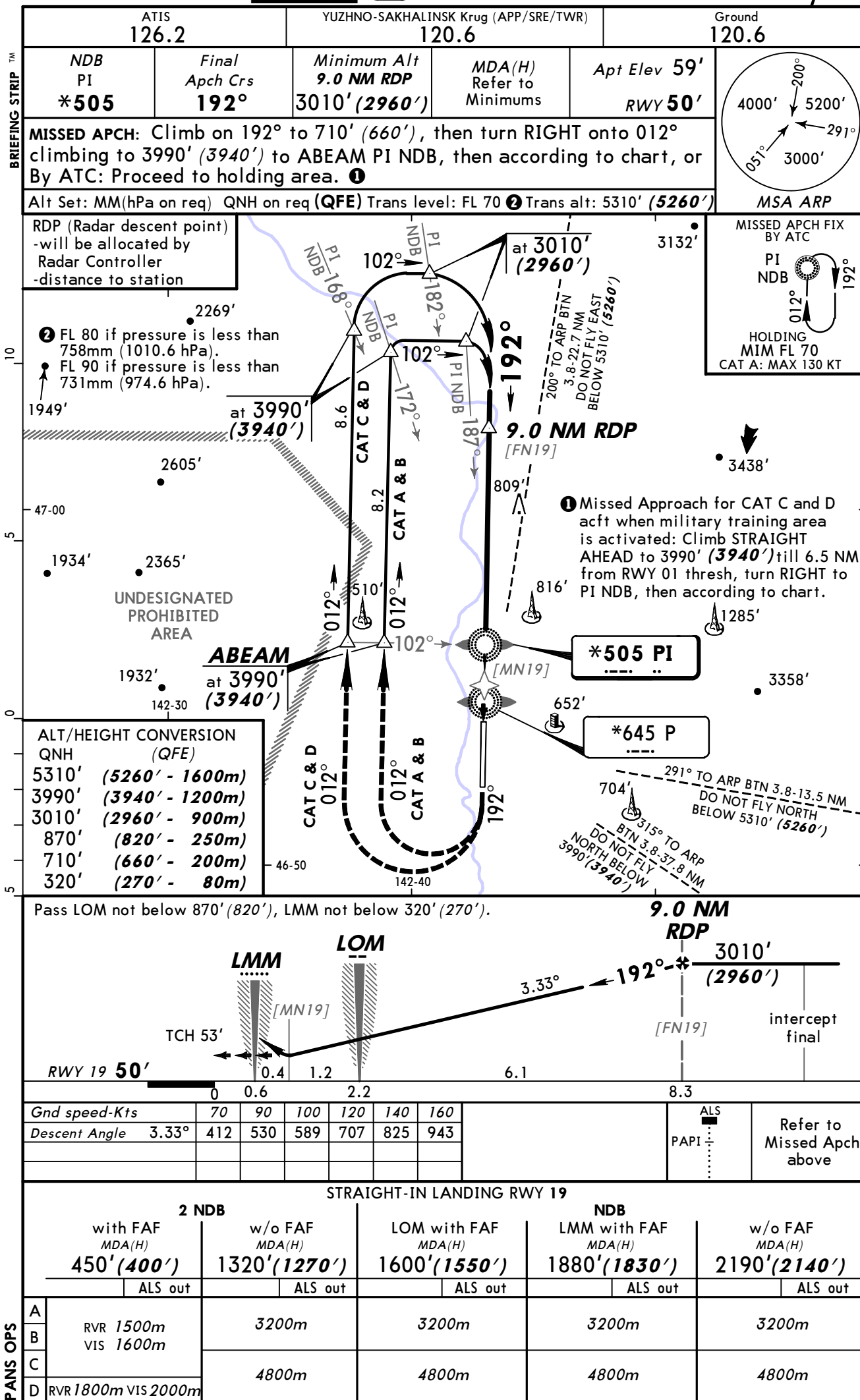


Chart changes since cycle 07-2012

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

ACT	PROCEDURE IDENT	INDEX	REV DATE	EFF DATE
YUZHNO-SAKHALINSK, (KHOMUTOVO - UHSS)				
DEL	JAA MNMS	10-9X	30 Mar 2012	

TERMINAL CHART CHANGE NOTICES

No Chart Change Notices for Airport UHSS

Chart Change Notices for Country RUS

Type: Gen Tmnl

Effectivity: Temporary

Begin Date: Immediately

End Date: Until Further Notice

The Russian CAA provided major changes for the AIRAC cycle effective 17 November 2011, including implementation of RVSM separation techniques and ICAO flight level system, airspace alignment and change of the existing coordinates standard to PZ-90.02. Also affected by the change are the countries of Afghanistan, Kazakhstan, Kyrgyzstan, Mongolia, Tajikistan, Turkmenistan, and Uzbekistan. We have also received late sources effective 17 November 2011. Please continue to refer to the notices published for the individual airports and our website. www.jeppesen.com/eurasiachange.