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Terminal Charts For UHSS

Revision Letter For Cycle 25-2012

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: 2215 Z
Sunset: 0649 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
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ODONA & PEMEN 2A (MAX 165KT, CAT A & B)	10-2T2
ODONA & PEMEN 4A (MIN 165KT)	10-2T3
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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
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ARR FROM SOUTHEAST (RWY 01)	10-2X1
ARR FROM SOUTHEAST (RWY 19)	10-2X2
ARR FROM SOUTH (RWY 01)	10-2X3
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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

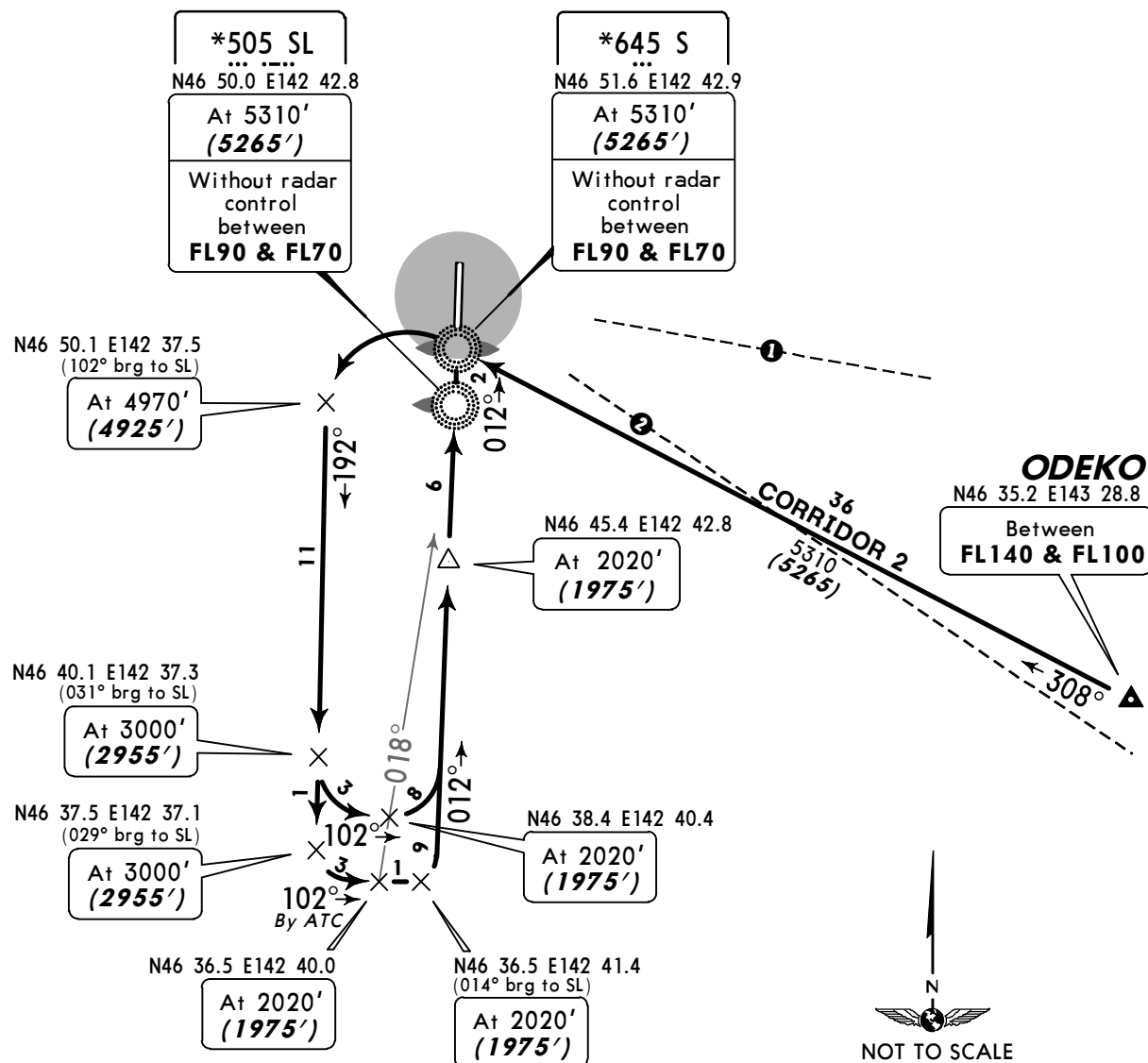
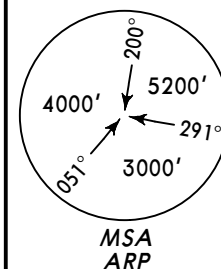
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5265')

ATIS
126.2Apt Elev
59'

ODEKO 2

RWY 01 ARRIVAL

MINIMUM 165 KT



- 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)

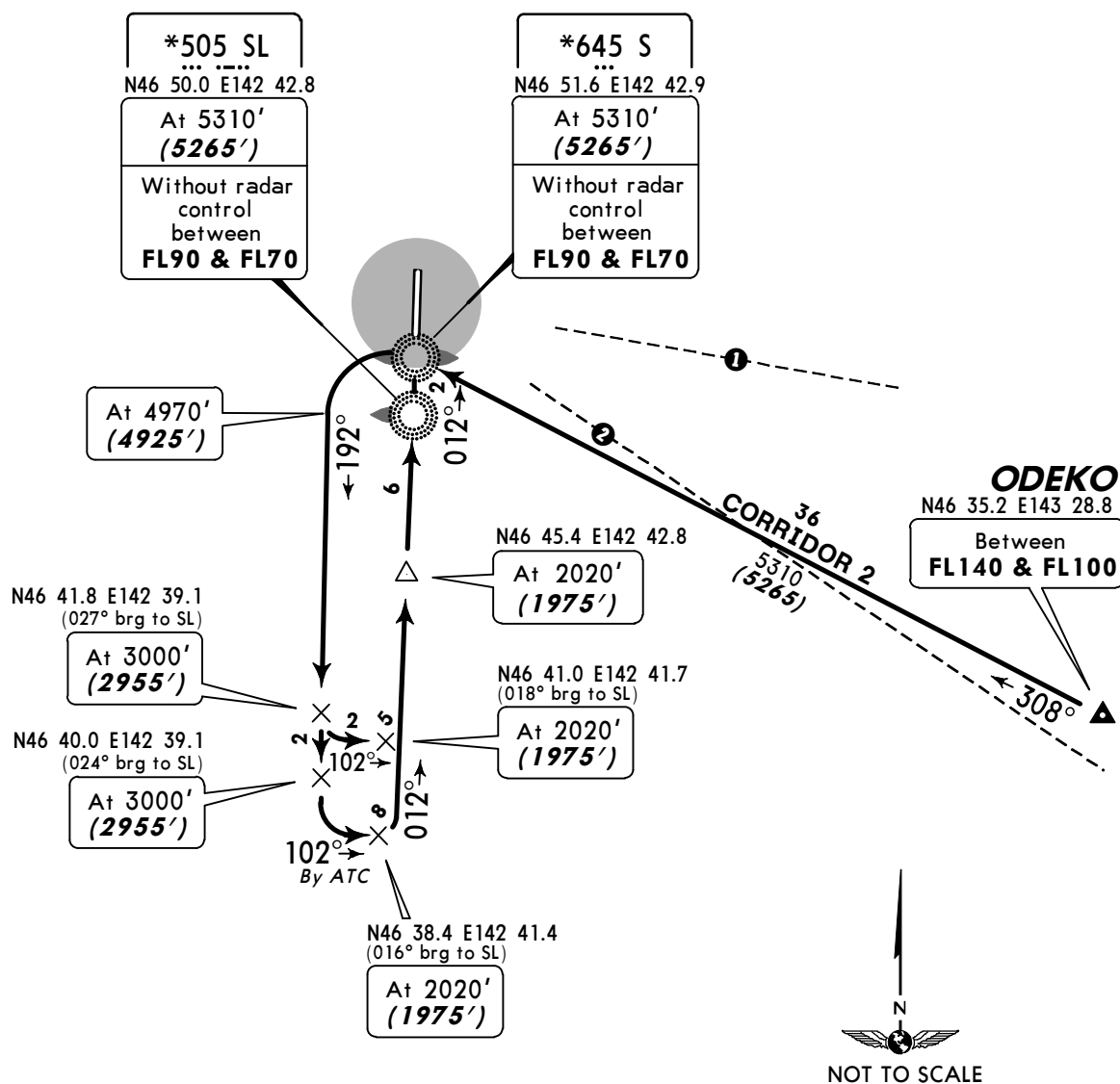
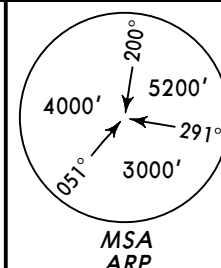
FL90 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 5310' (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
126.2

Apt Elev
59'

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

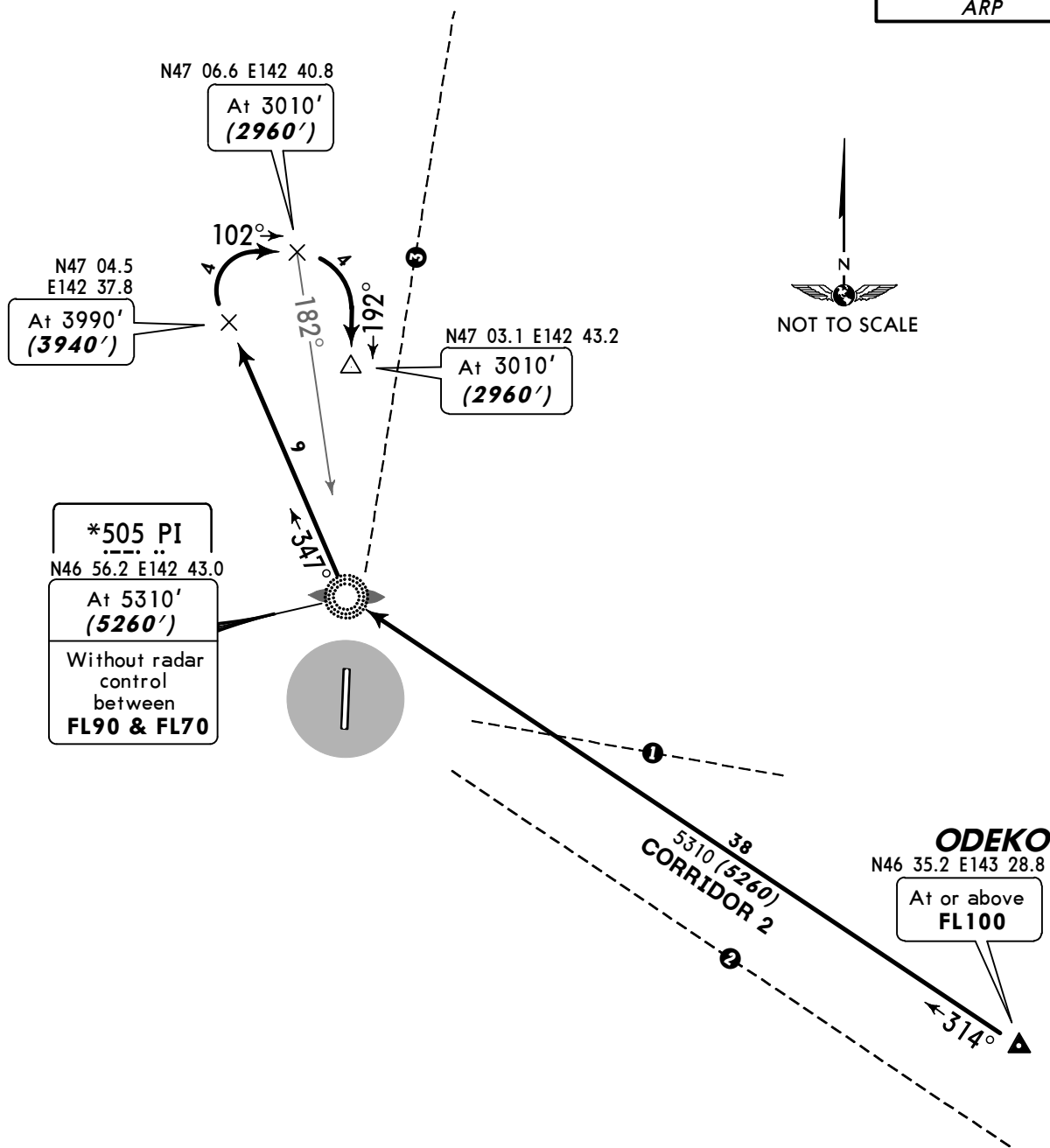
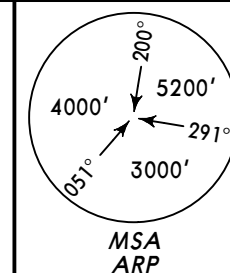
Trans level: FL70

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' (**5260'**)

ODEKO 4
RWY 19 ARRIVAL
MINIMUM 165 KT



ALT/HEIGHT CONVERSION

QNH (QFE)

5310' (5260' - 1600m)

3990' (3940' - 1200m)

3010' (2960' - 900m)

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

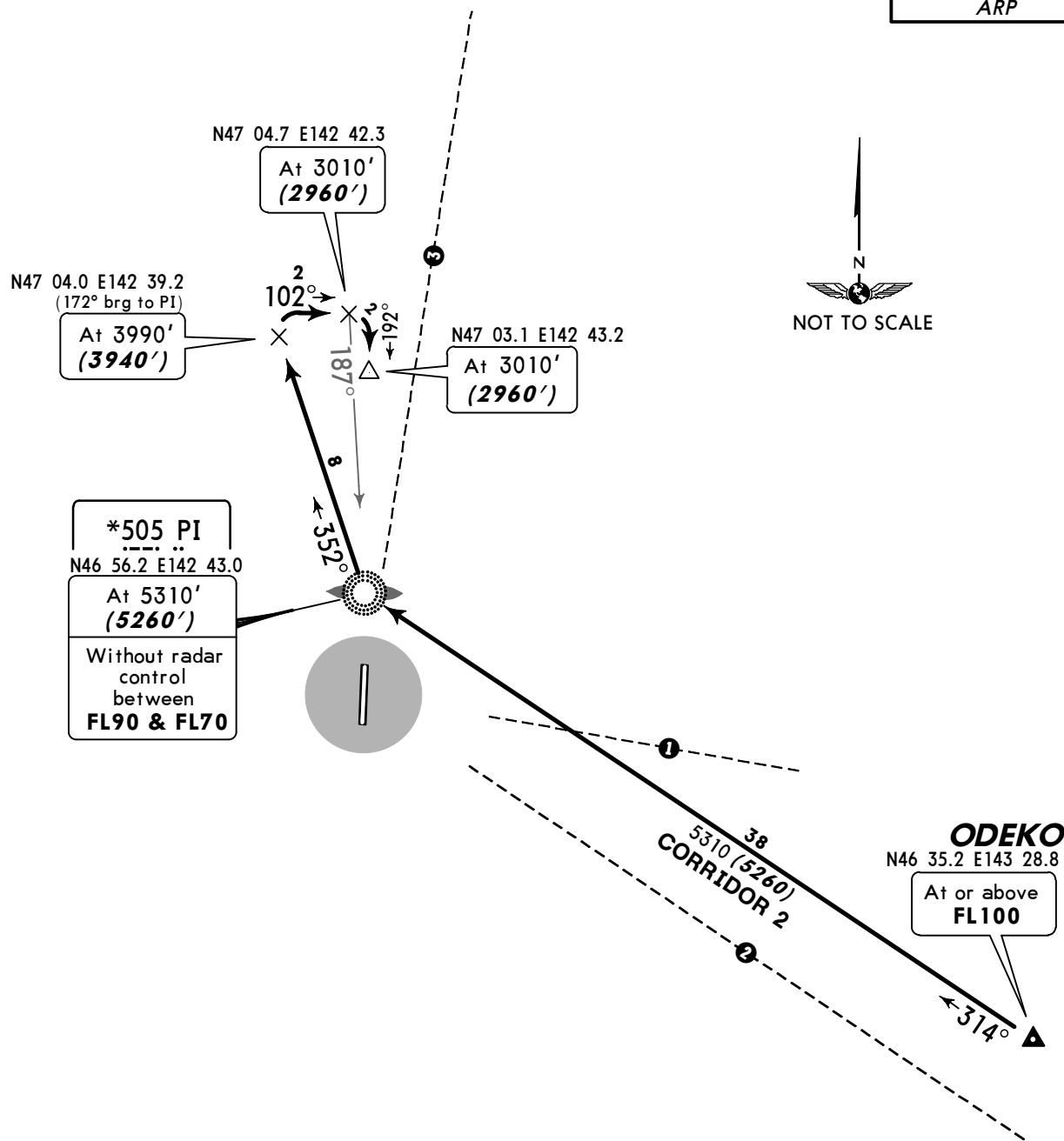
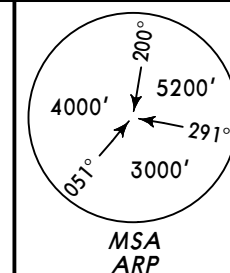
FL90 if pressure is less than 731 mm (974.6 hPa).

Trans alt: 5310' (5260')

ATIS
126.2Apt Elev
59'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)

- 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').

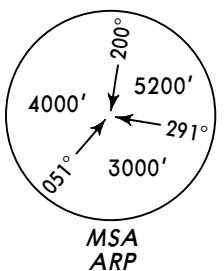
Alt Set: MM (hPa on request) QNH on request (QFE)

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'

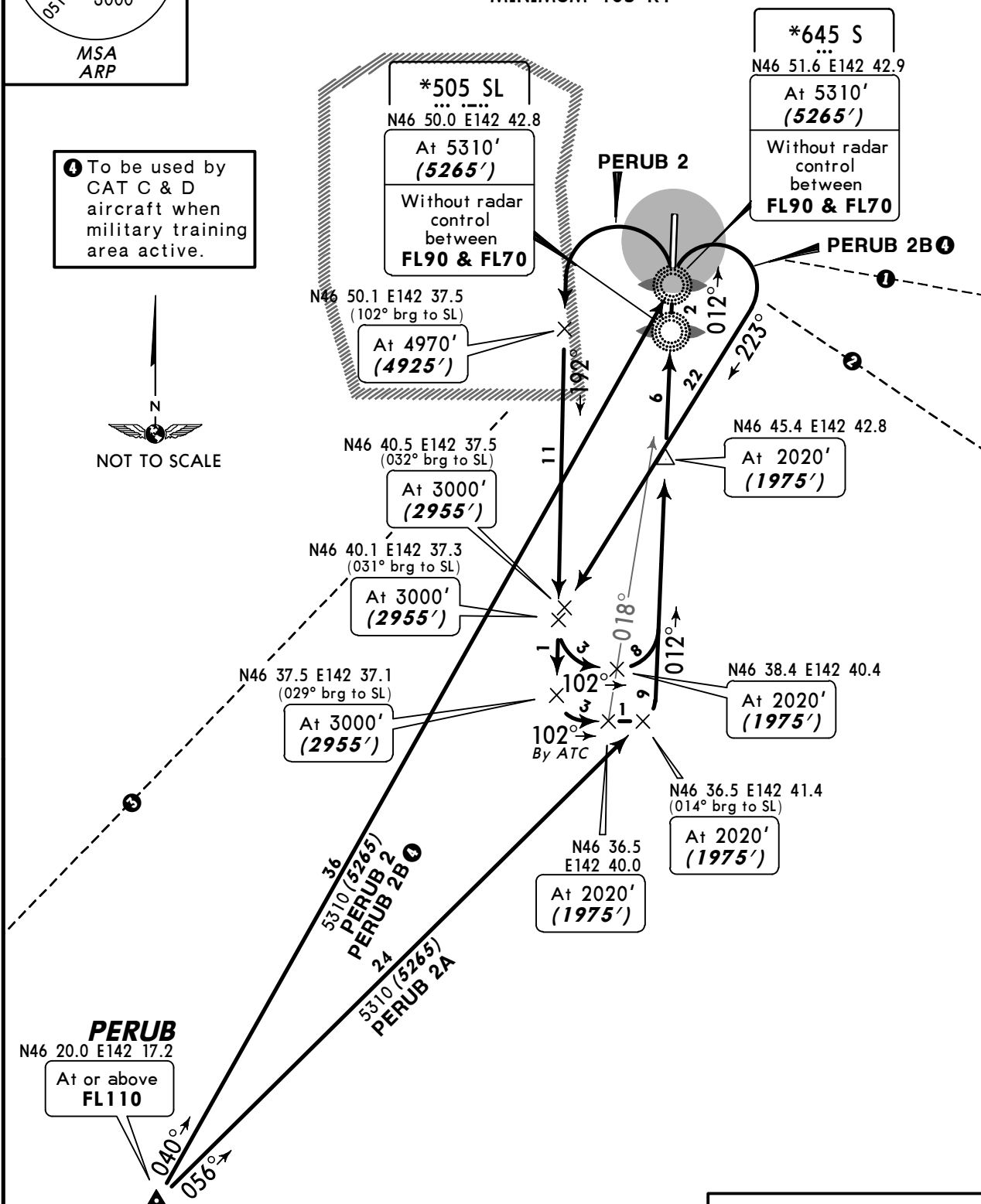
PERUB 2, PERUB 2A [PERU2A], PERUB 2B [PERU2B]④

RWY 01 ARRIVALS

BY ATC

MINIMUM 165 KT

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

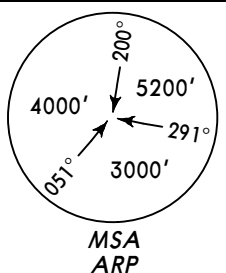


- ① 291° to ARP between 13.5 NM and 3.8 NM
do not fly north below 5310' (5265').
- ② 315° to ARP between 37.8 NM and 3.8 NM
do not fly north below 3990' (3945').
- ③ 055° to ARP between 37.8 NM and 8.1 NM
do not fly north below 3990' (3945').

ALT/HEIGHT CONVERSION
QNH (QFE)

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

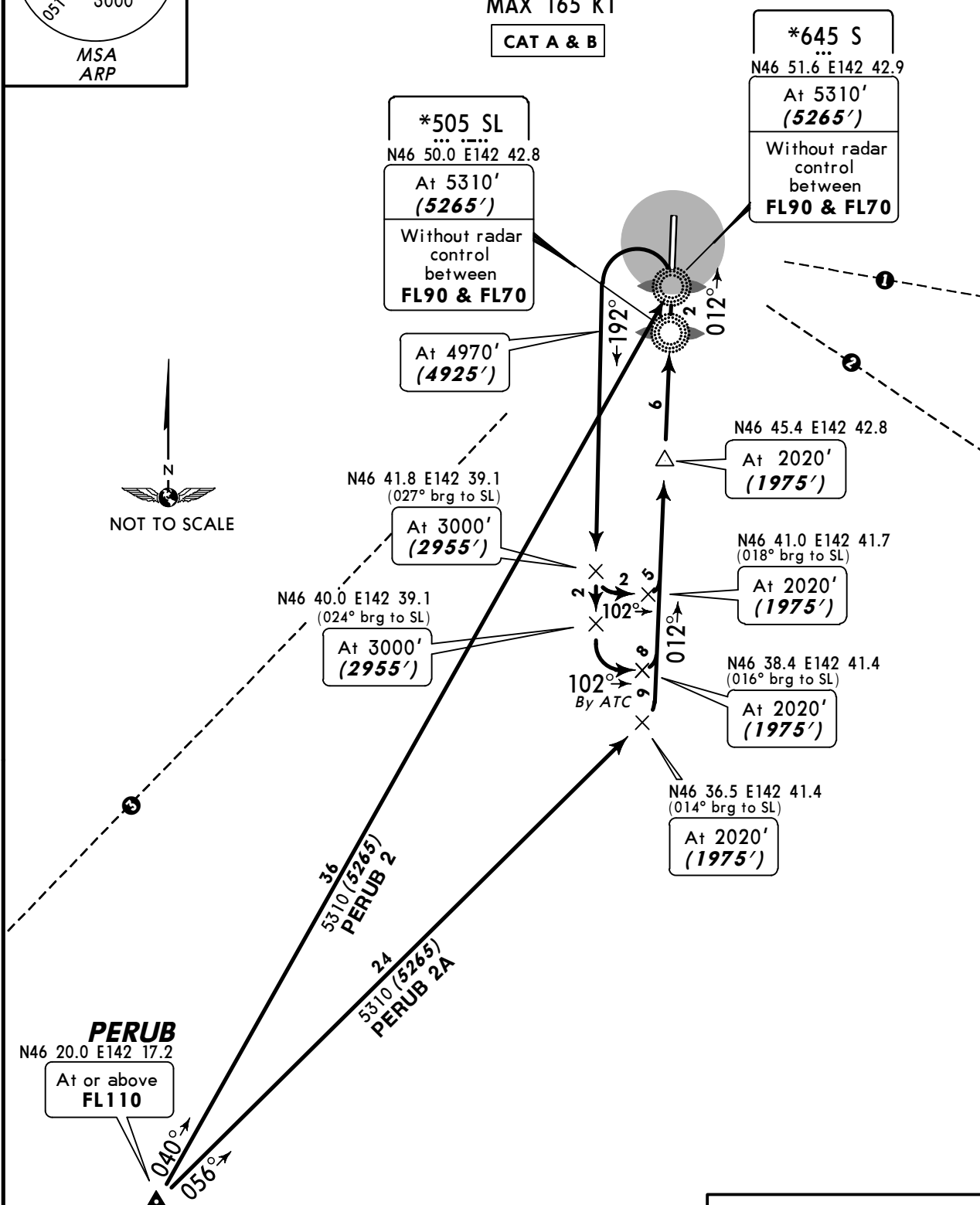
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5265')

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

BY ATC

MAX 165 KT

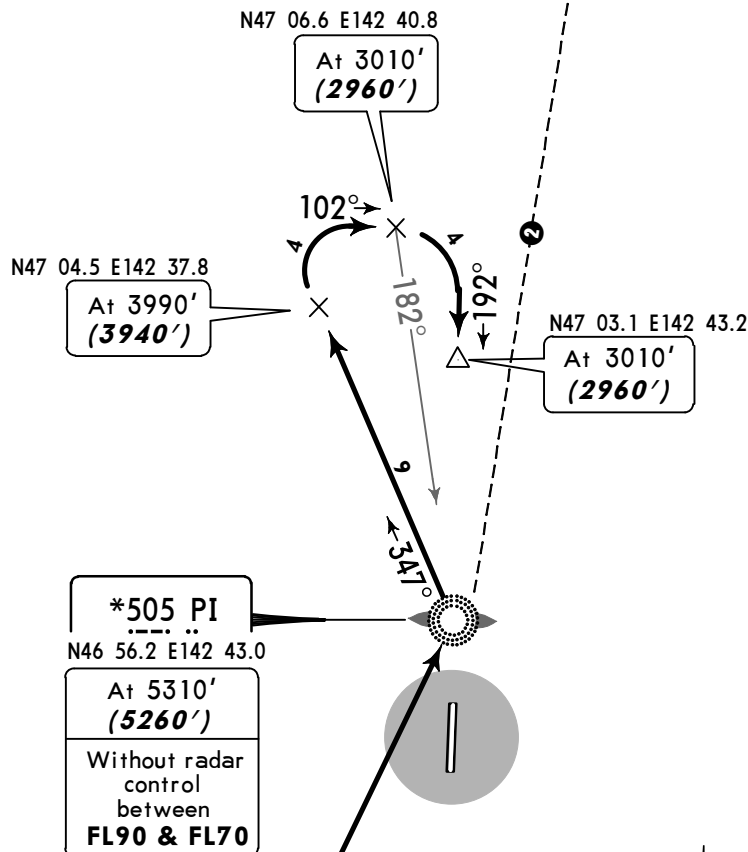
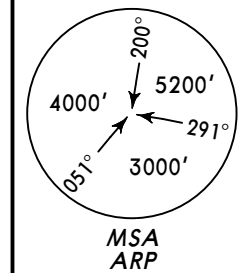
CAT A & B



- 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 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').

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

ATIS
126.2Apt Elev
59'

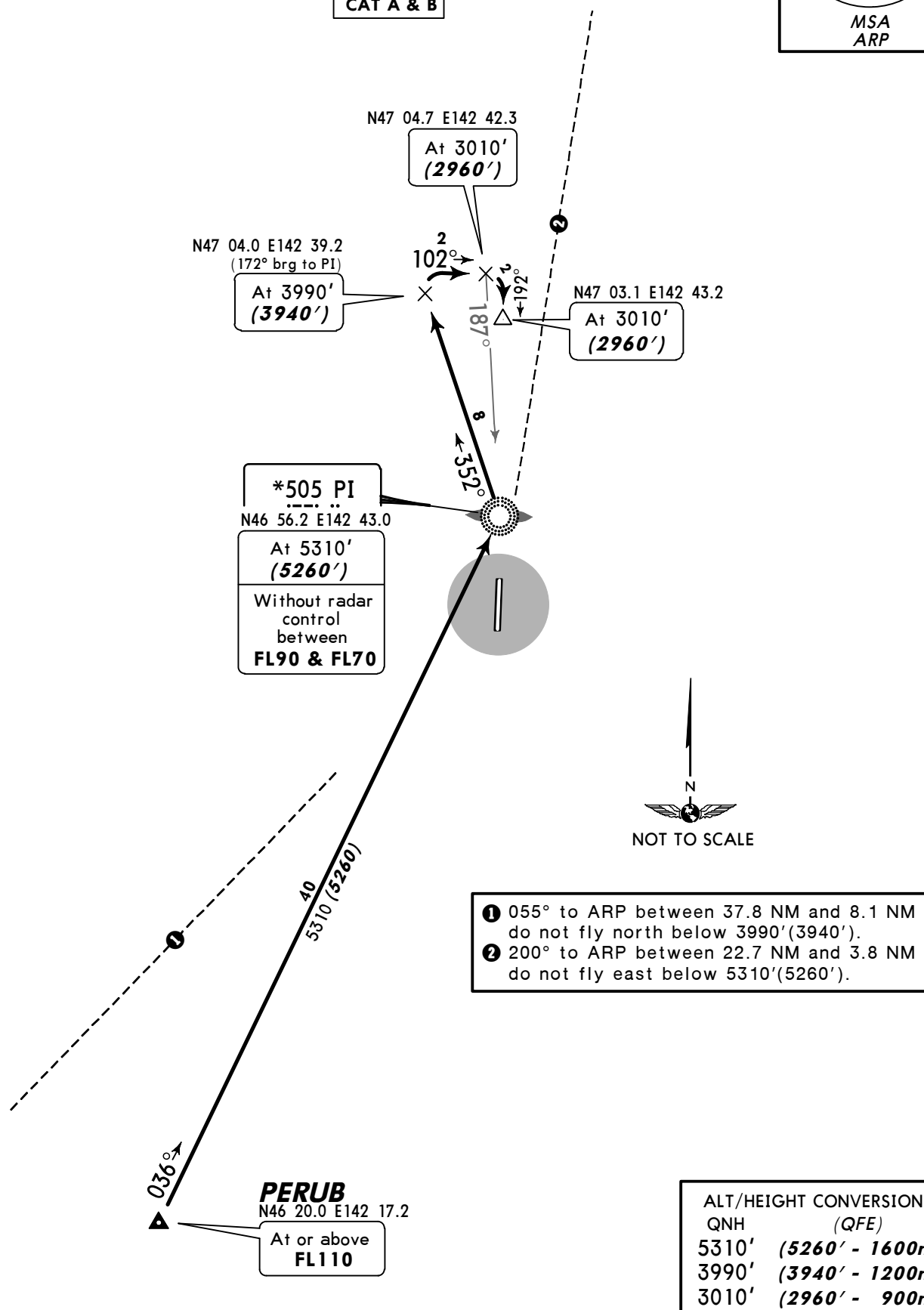
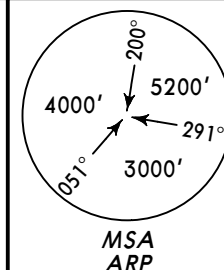
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5260')

PERUB 4
RWY 19 ARRIVAL

MAX 165 KT

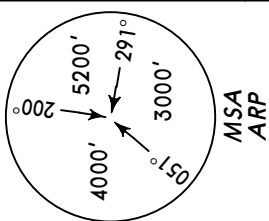
BY ATC

CAT A & B



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')

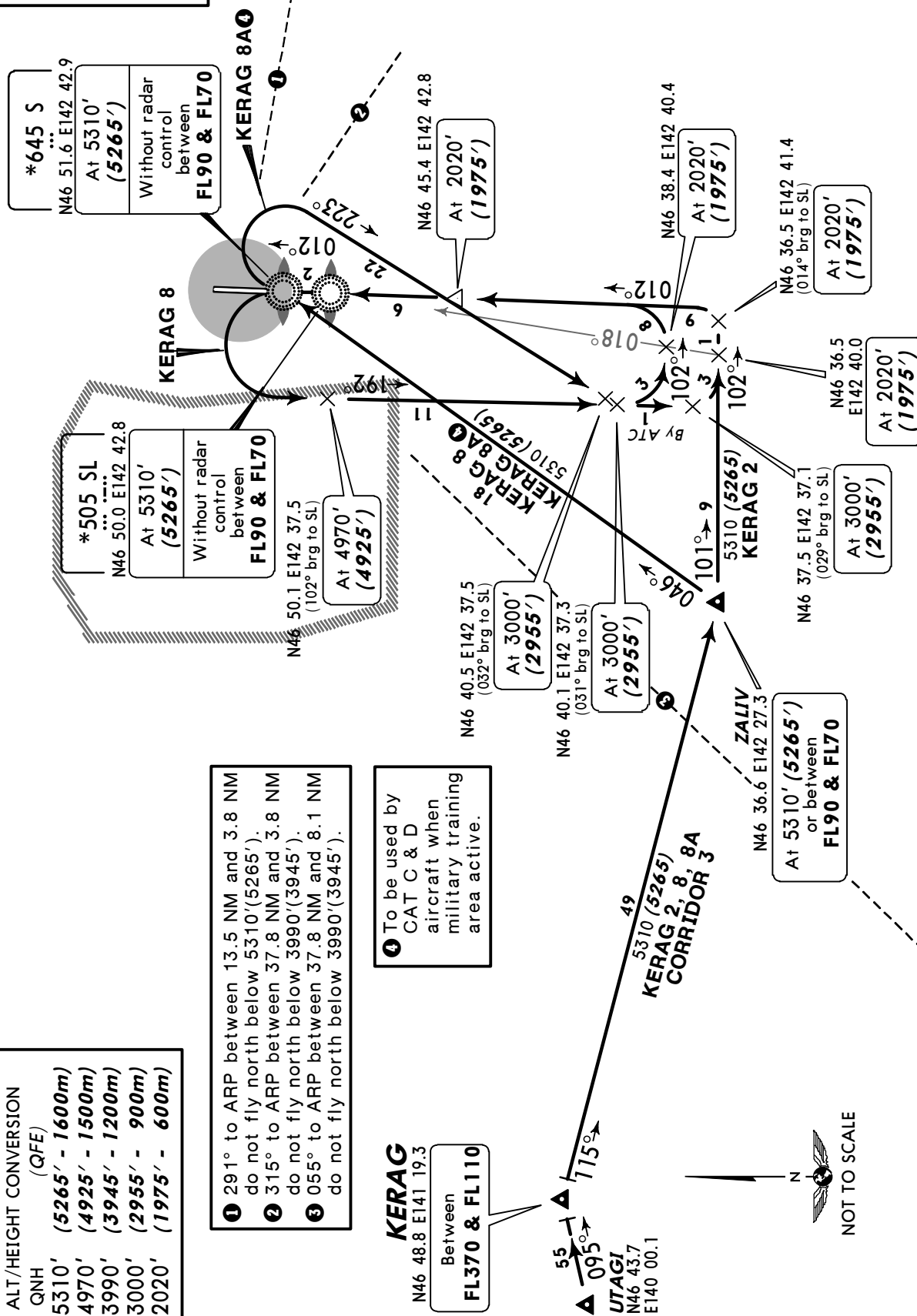


KERAG 2, KERAG 8, KERAG 8A[KERA8A] ●

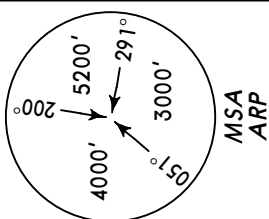
RWY 01 ARRIVALS

BY ATC

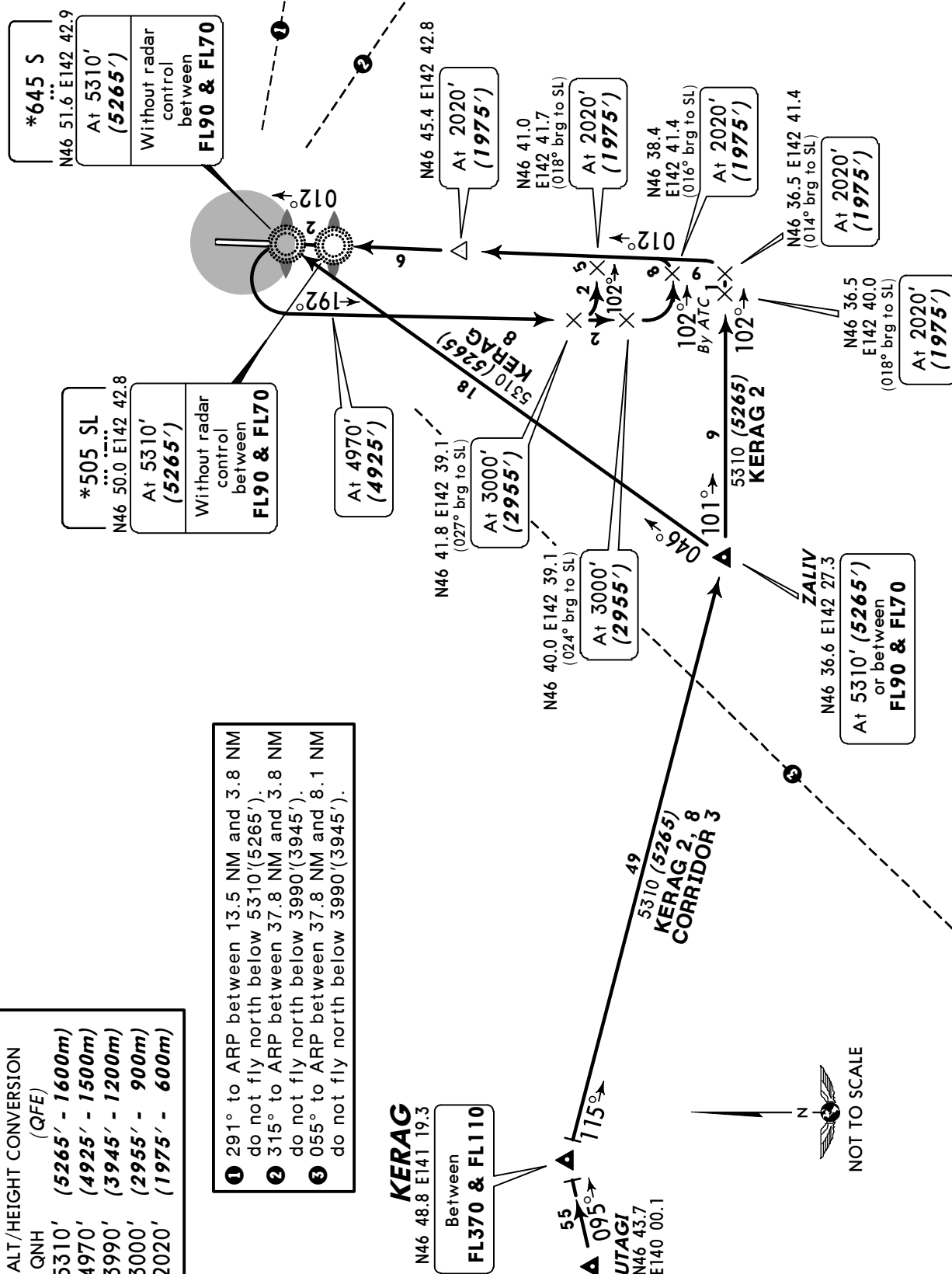
MINIMUM 165 KT



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'(**5265'**)



BY ATC
MAX 165 KT
CAT A & B

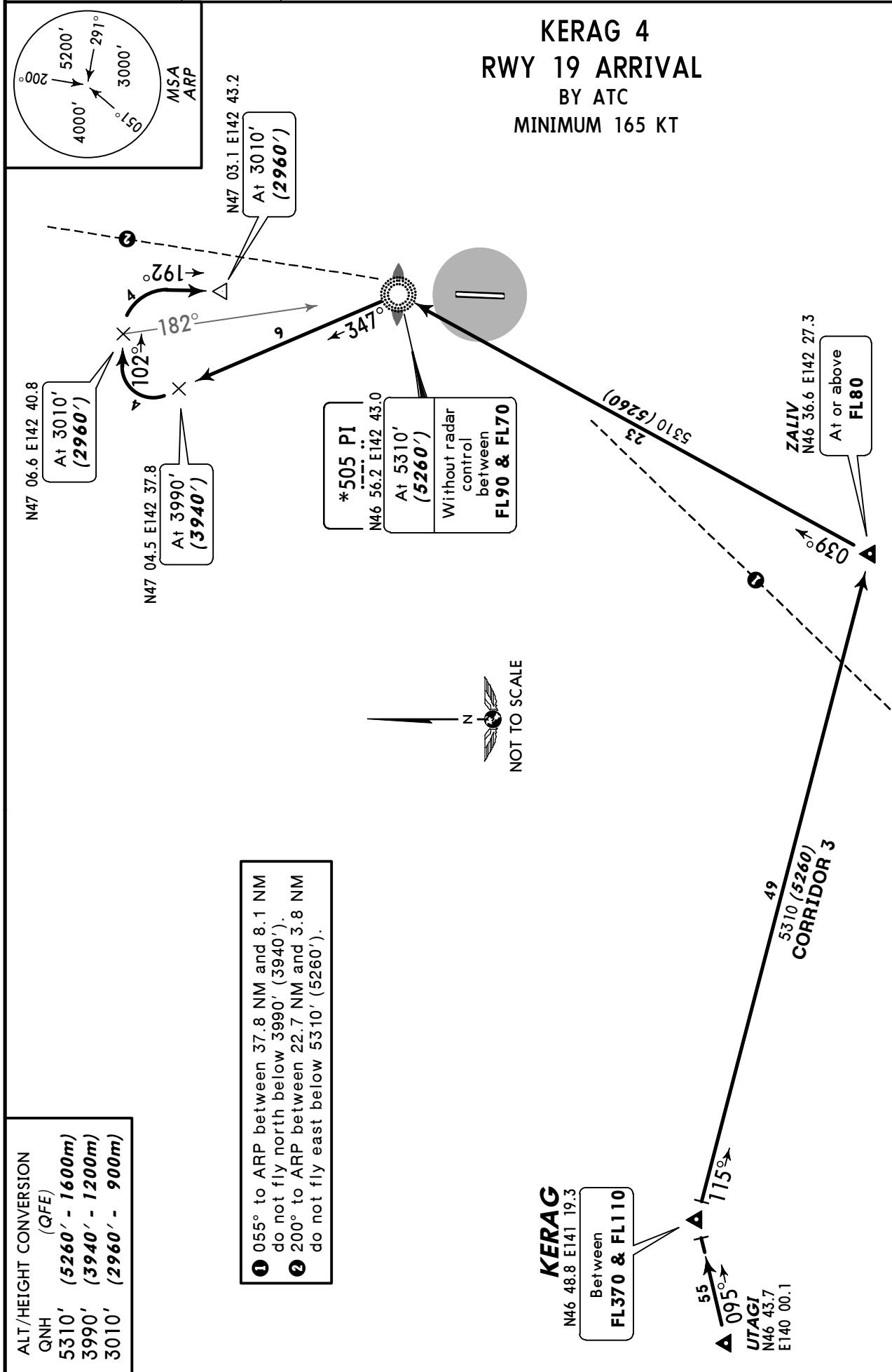


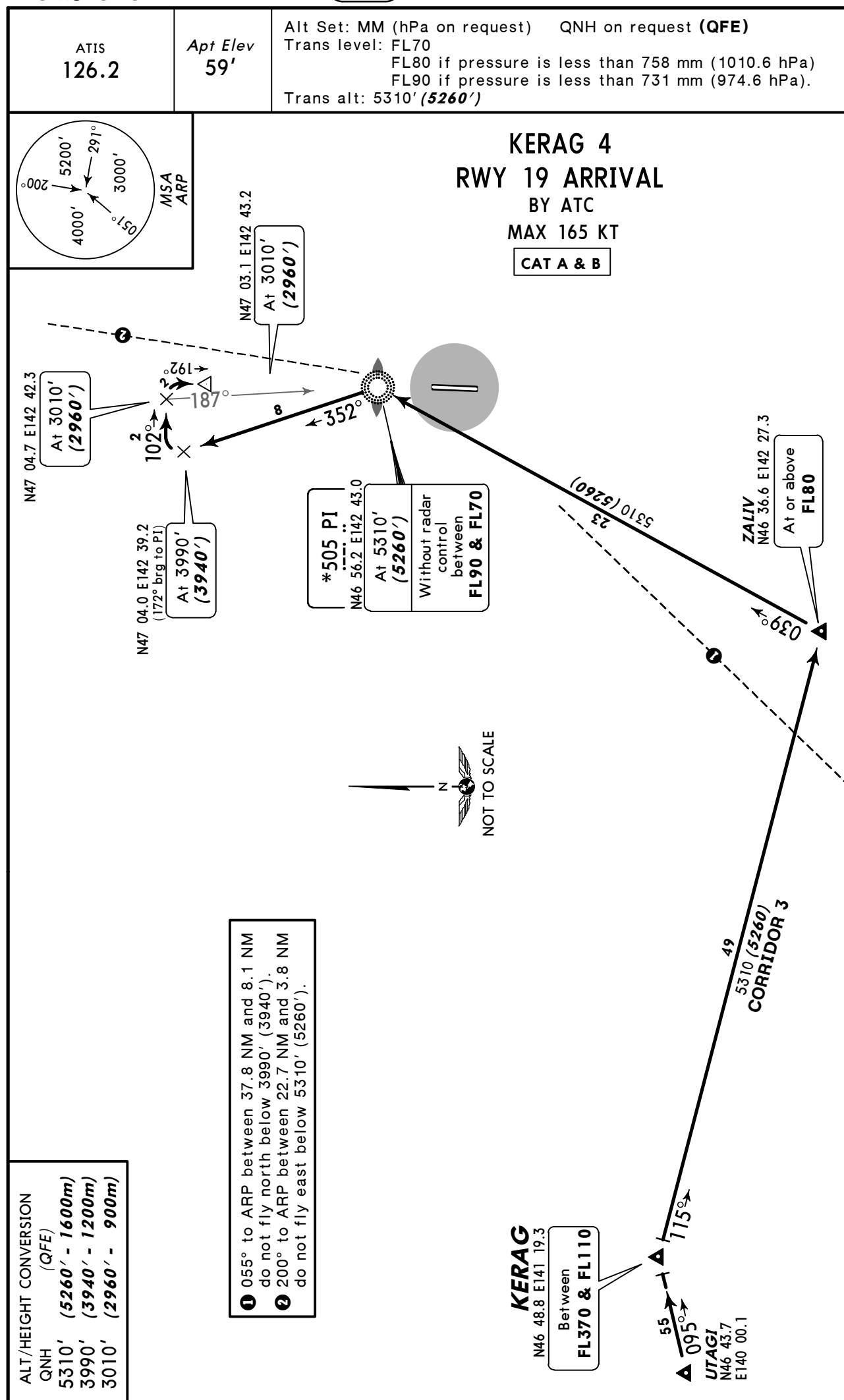
NOT TO SCALE

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')

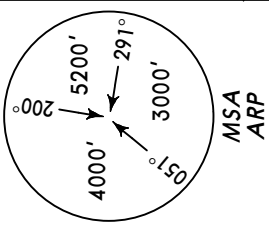
ATIS
126.2Apt Elev
59'

KERAG 4 RWY 19 ARRIVAL BY ATC MINIMUM 165 KT

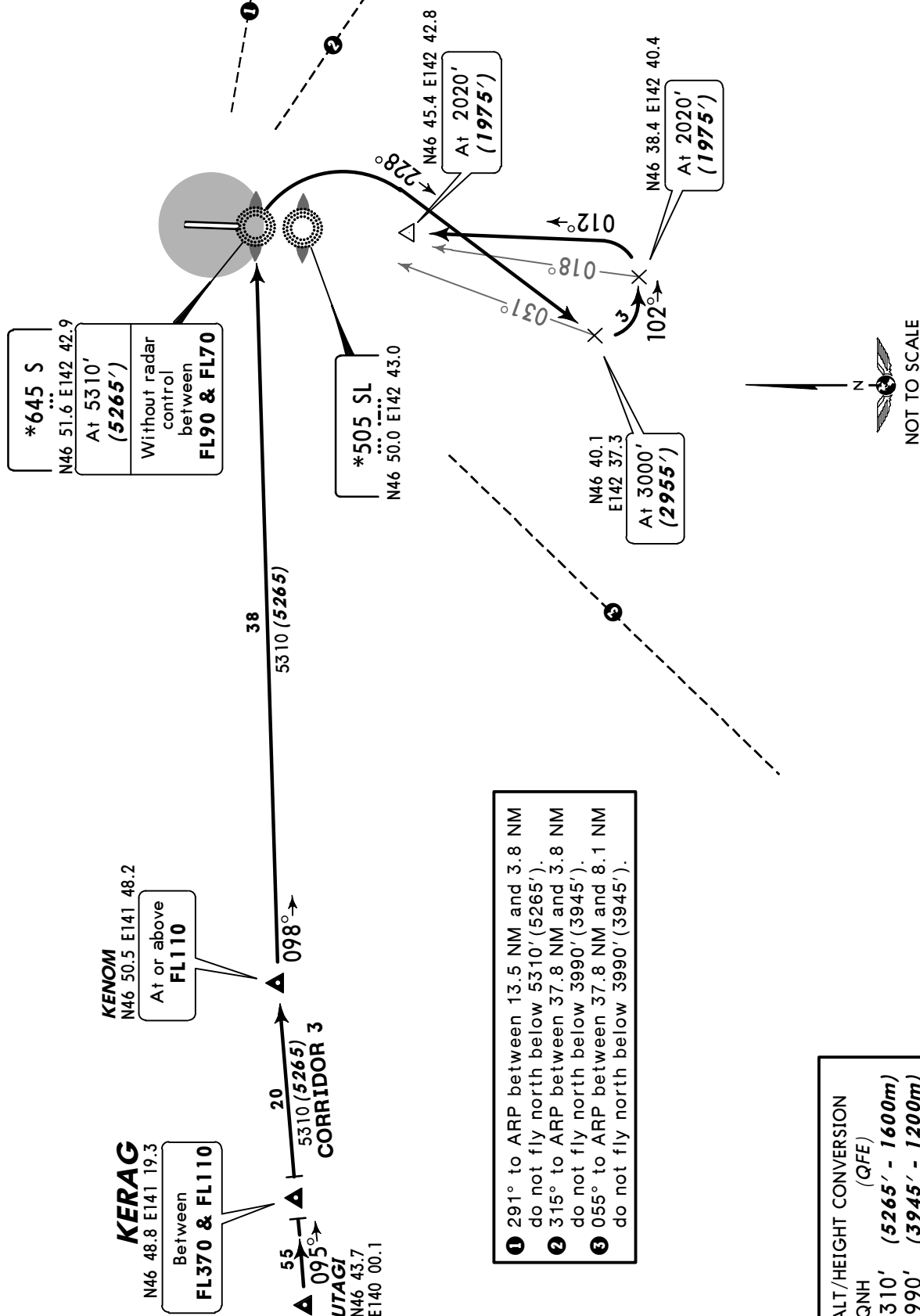




Alt Set: MM (hPa on request) QNH on request (**QFE**)
Trans level: FL70
 FL80 if pressure is less than 758 mm (1010.6 hPa)
 FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (**5265'**)



BY ATC
MINIMUM 165 KT



ALT/HEIGHT CONVERSION

QNH (QFE)

5310' (5265' - 1600m)

3990' (3945' - 1200m)

3000' (2955' - 900m)

2020' (1975' - 600m)

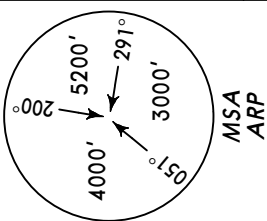
Alt Set: MM (hPa on request) QNH on request (QFE)

Trans level: FL70

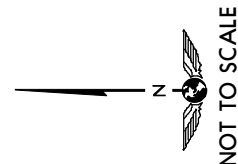
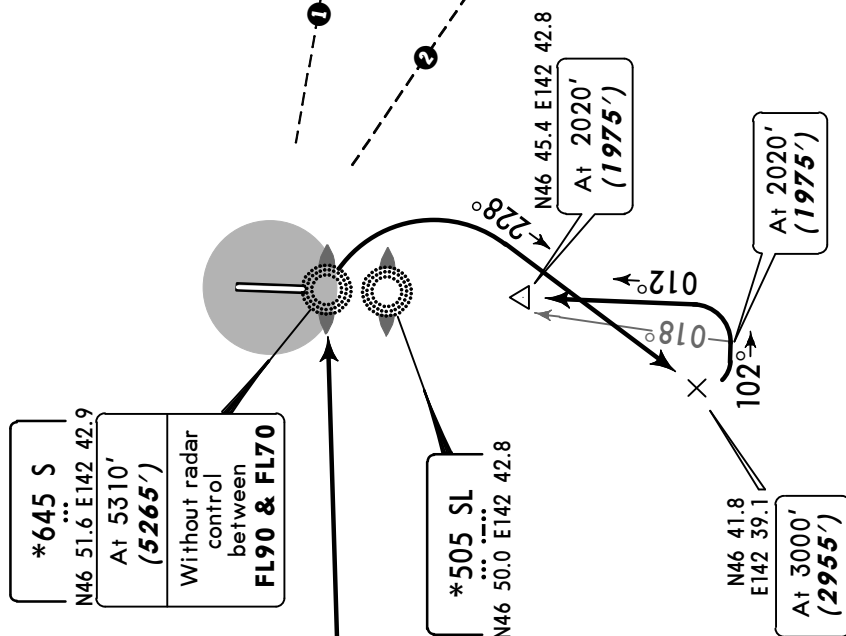
FL80 if pressure is less than 758 mm (1010.6 hPa)

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

Trans alt: 5310' (5265')

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

CAT A & B

KENOM
N46 50.5 E141 48.2At or above
FL110

KERAG

Between
FL370 & FL110

098°

20
5310 (5265)
CORRIDOR 355
095°UTAGI
N46 43.7
E140 00.0

- 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).

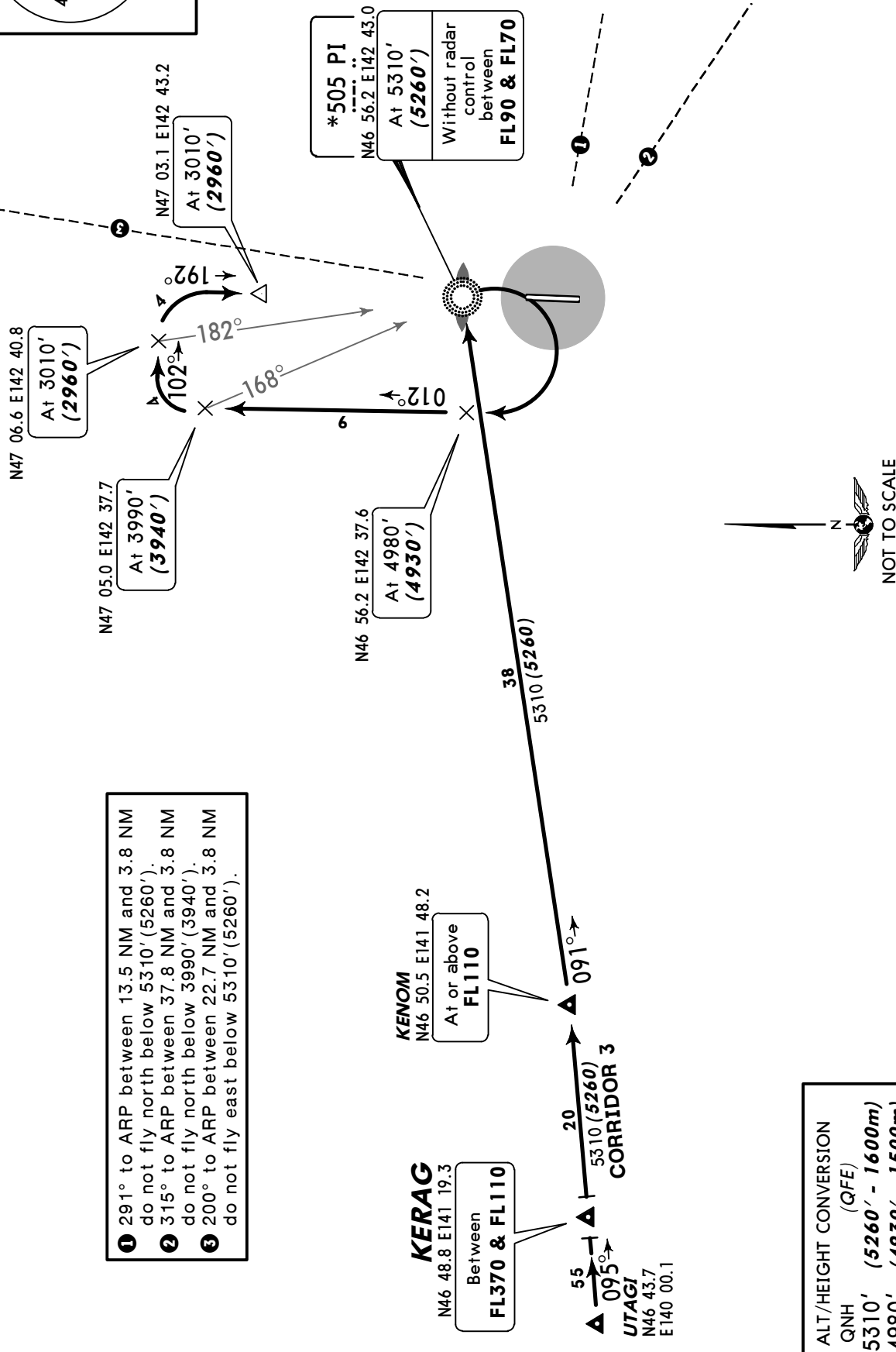
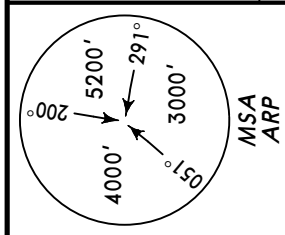
Trans alt: 5310' (5260')

ATIS
126.2Apt Elev
59'

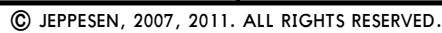
KERAG 4A [KERA4A]

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'**)



ATIS
126.2Apt Elev
59'

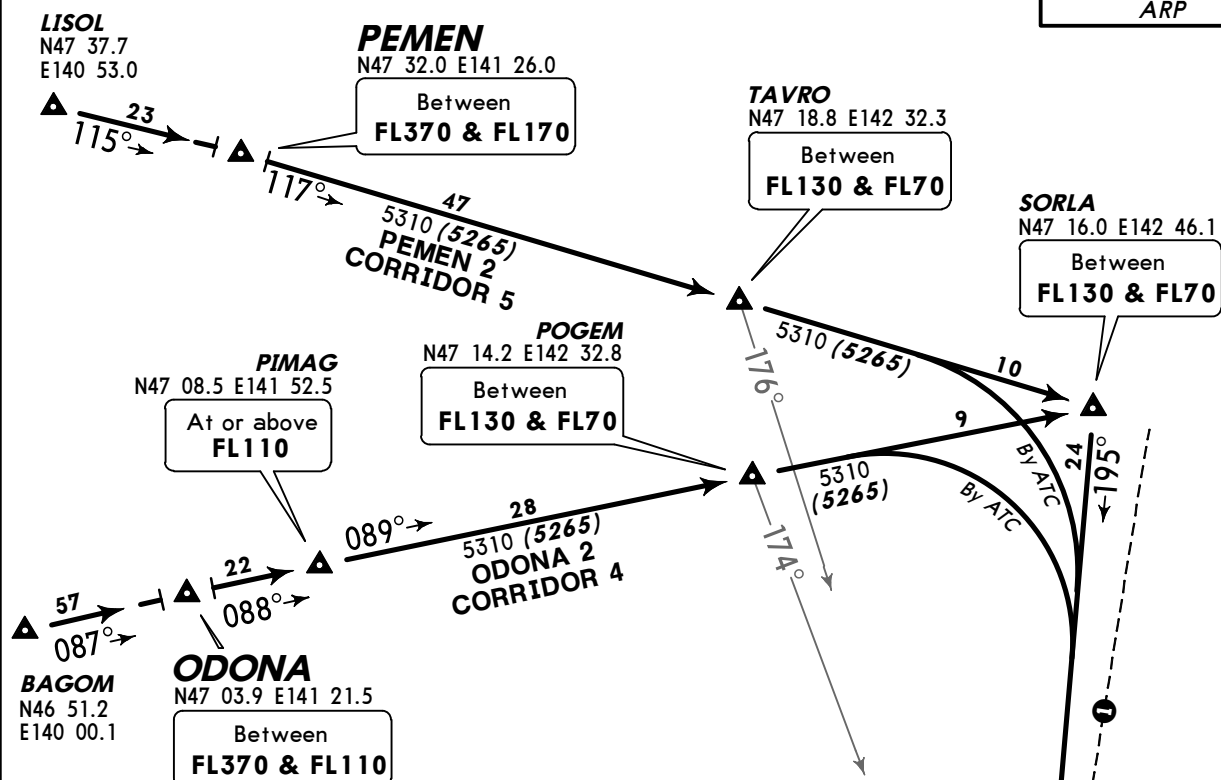
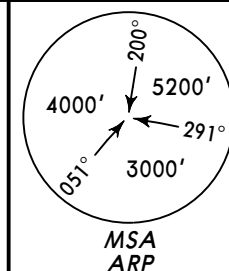
Alt Set: MM (hPa on request) QNH on request (QFE)

Trans level: FL70

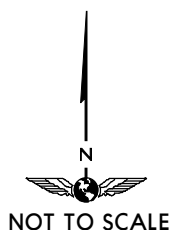
FL80 if pressure is less than 758 mm (1010.6 hPa)

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

Trans alt: 5310' (5265')

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)

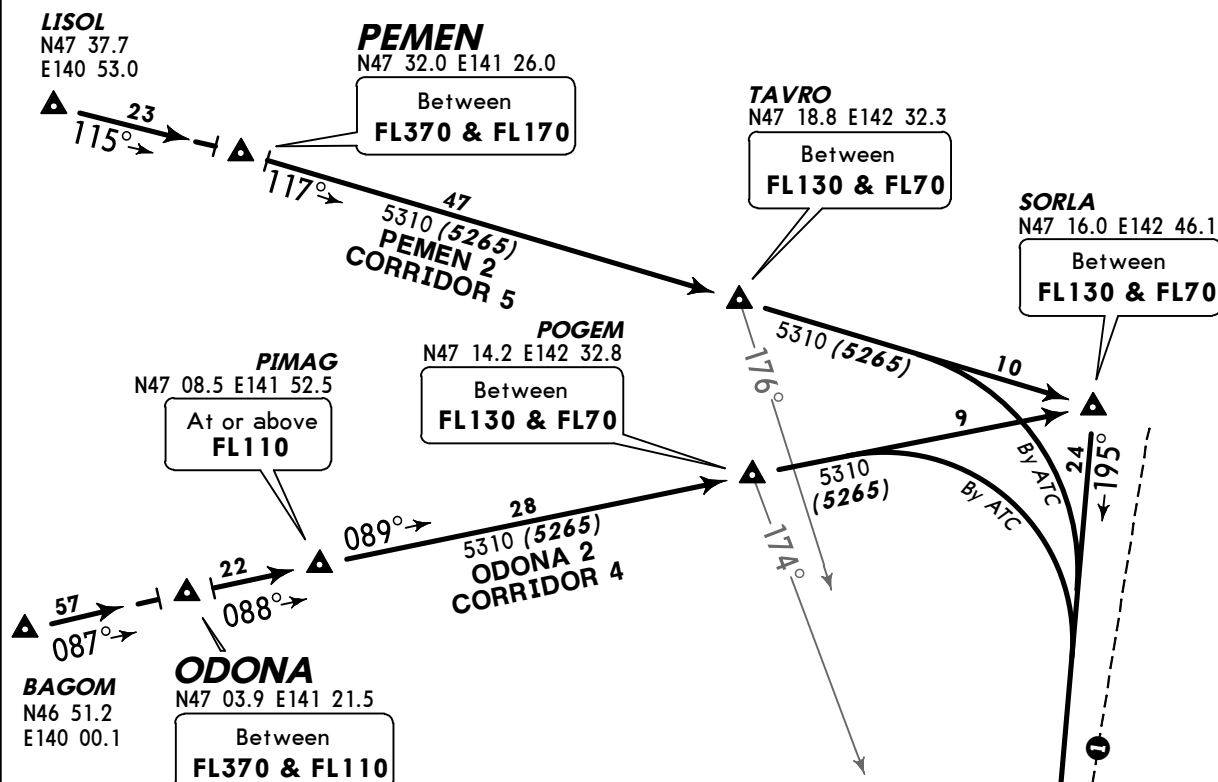
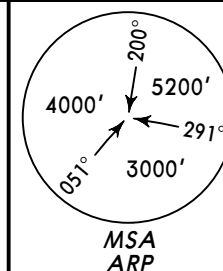
3990' (3945' - 1200m)

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'**)

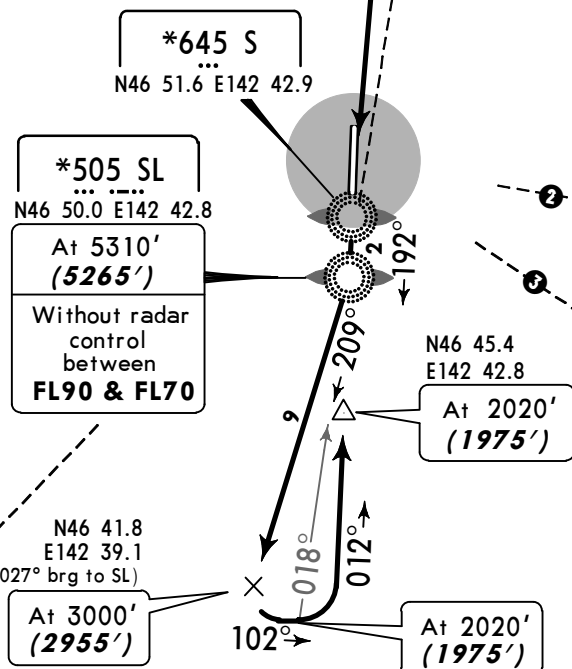
CAT A & B

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

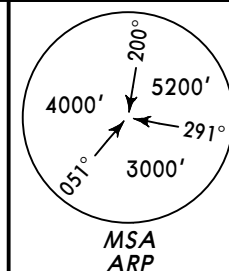
BY ATC

ODONA 6

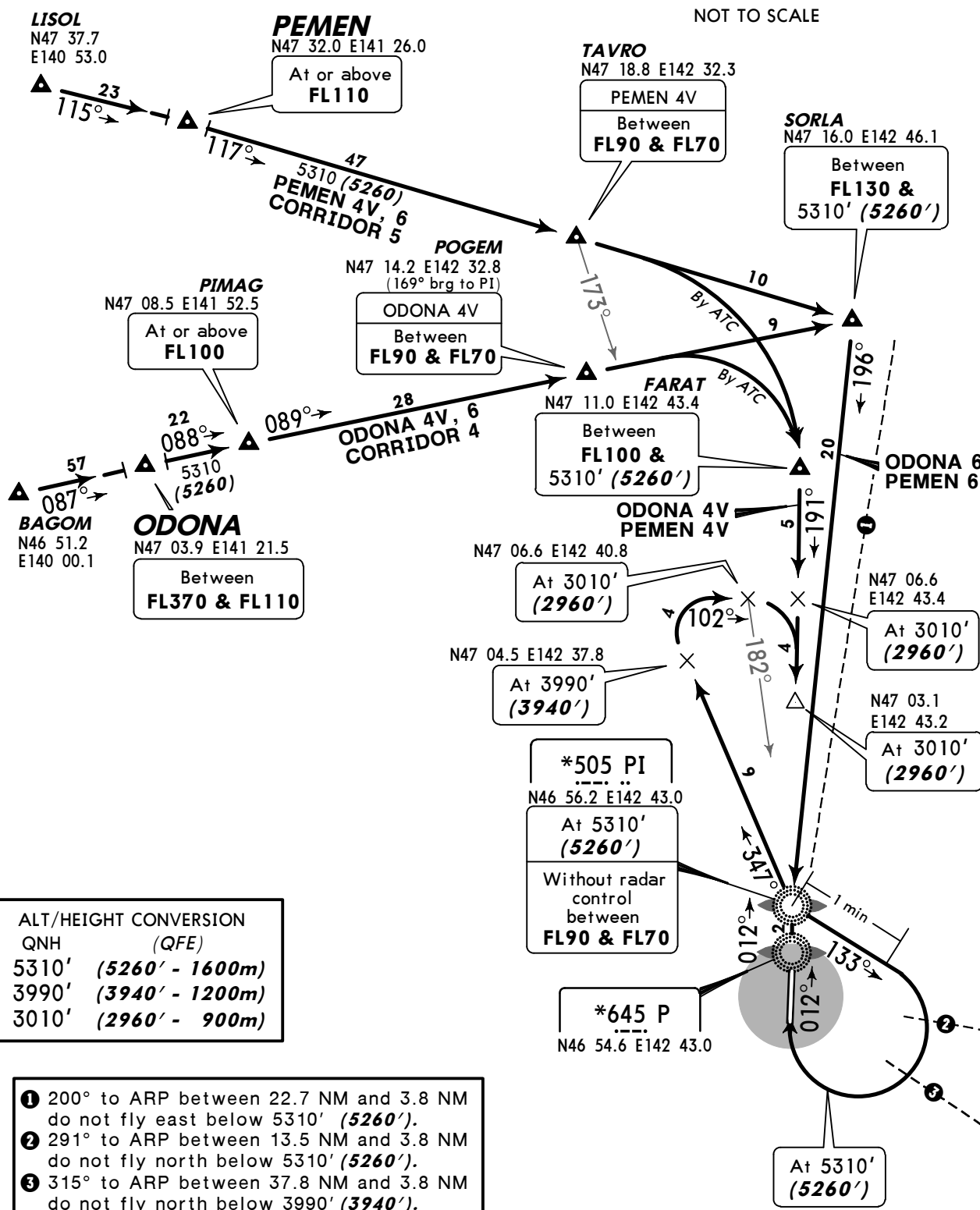
PEMEN 6

RWY 19 ARRIVALS

MINIMUM 165 KT



NOT TO SCALE



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').

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

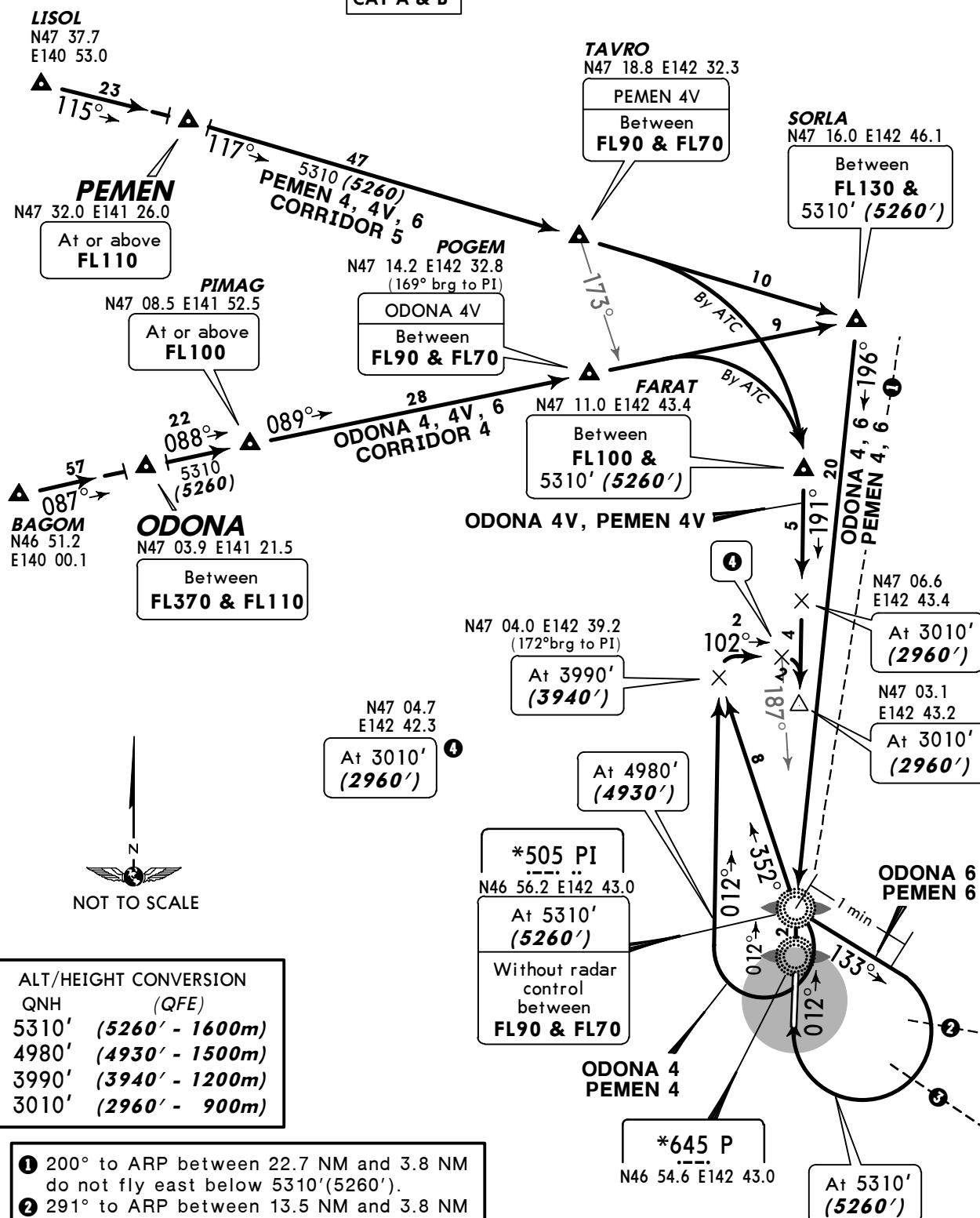
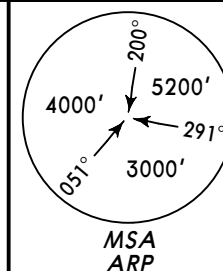
ODONA 4V, PEMEN 4V

BY ATC

RWY 19 ARRIVALS

MAX 165 KT

CAT A & B



ALT/HEIGHT CONVERSION

QNH (QFE)

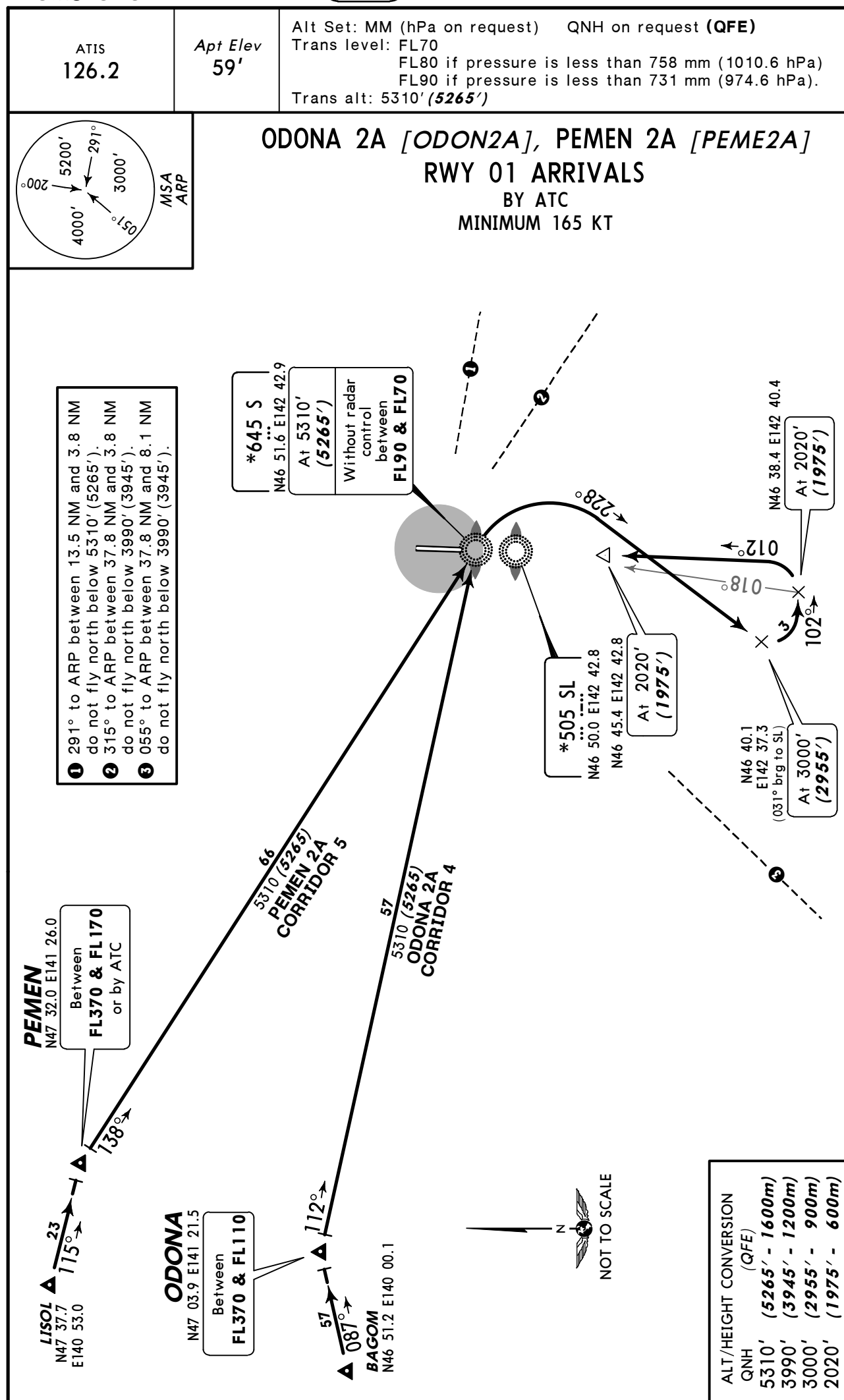
5310' (5260' - 1600m)

4980' (4930' - 1500m)

3990' (3940' - 1200m)

3010' (2960' - 900m)

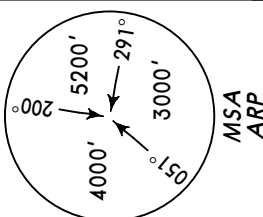
- 200° to ARP between 22.7 NM and 3.8 NM do not fly east below 5310'(5260').
- 291° to ARP between 13.5 NM and 3.8 NM do not fly north below 5310'(5260').
- 315° to ARP between 37.8 NM and 3.8 NM do not fly north below 3990'(3940').



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
126.2

Apt Elev
59'



ODONA 2A, PEMEN 2A RWY 01 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' (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')

At 2020'
(1975')

PEMEN

N47 32.0 E141 26.0

Between
FL370 & FL170
or by ATC

LISOL

N47 37.7
E140 53.0

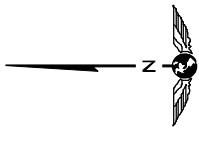
ODONA

N47 03.9 E141 21.5

Between
FL370 & FL110

BAGOM

N46 51.2 E140 00.1



ALT/HEIGHT CONVERSION

QNH (QFE)

5310' (5265' - 1600m)

3990' (3945' - 1200m)

3000' (2955' - 900m)

2020' (1975' - 600m)

ATIS
126.2Apt Elev
59'

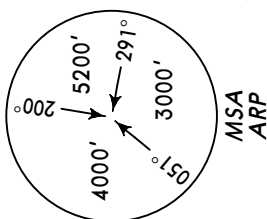
Alt Set: MM (hPa on request) QNH on request (QFE)

Trans level: FL70

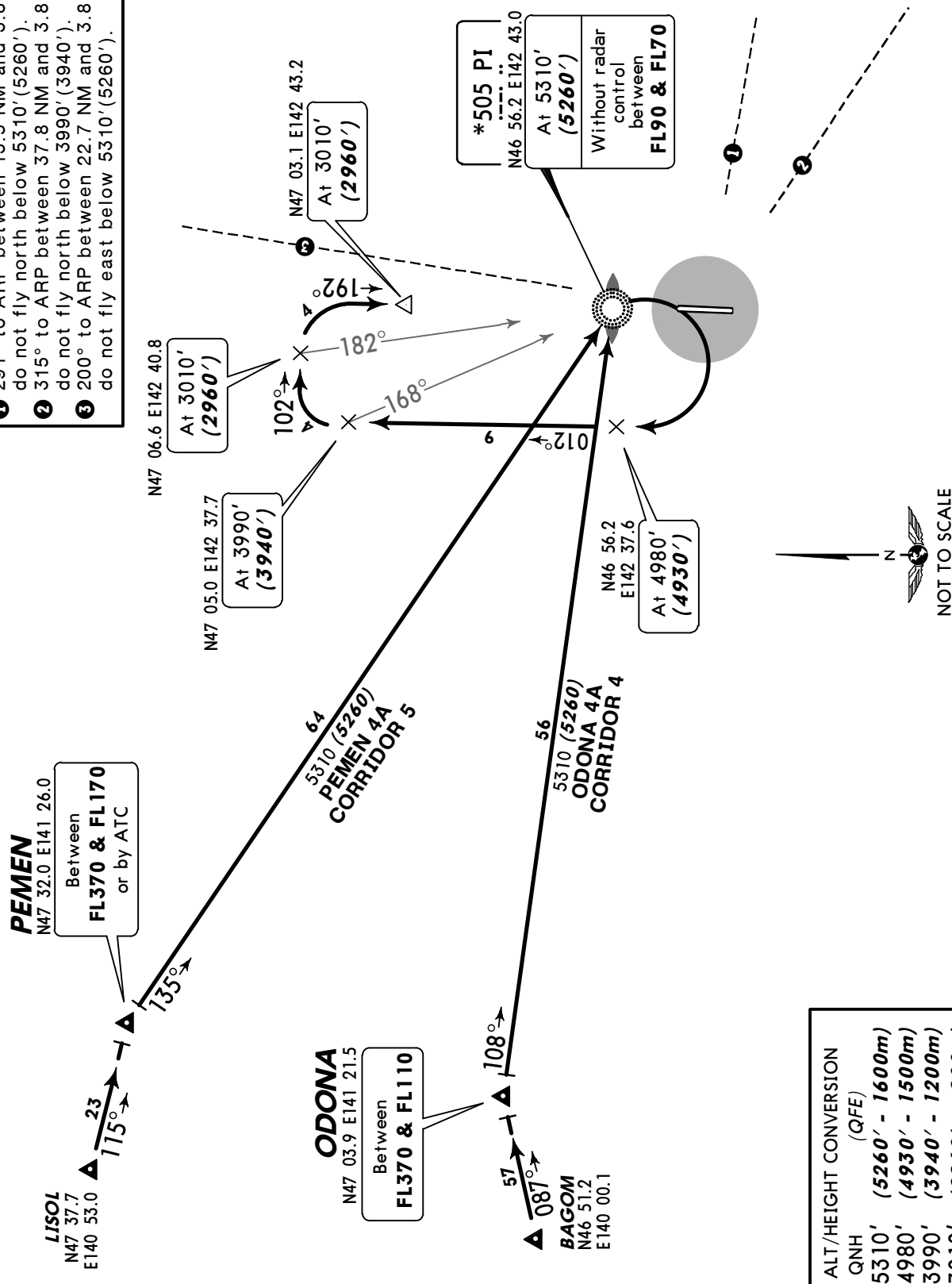
FL80 if pressure is less than 758 mm (1010.6 hPa)

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

Trans alt: 5310' (5260')

**ODONA 4A [ODON4A], PEMEN 4A [PEME4A]
RWY 19 ARRIVALS
BY ATC
MINIMUM 165 KT**

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

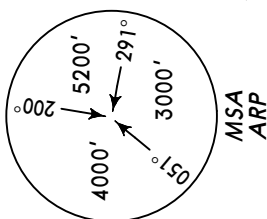
Alt Set: MM (hPa on request) QNH on request (QFE)

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' (5260')

ATIS
126.2Apt Elev
59'

ODONA 4A, PEMEN 4A

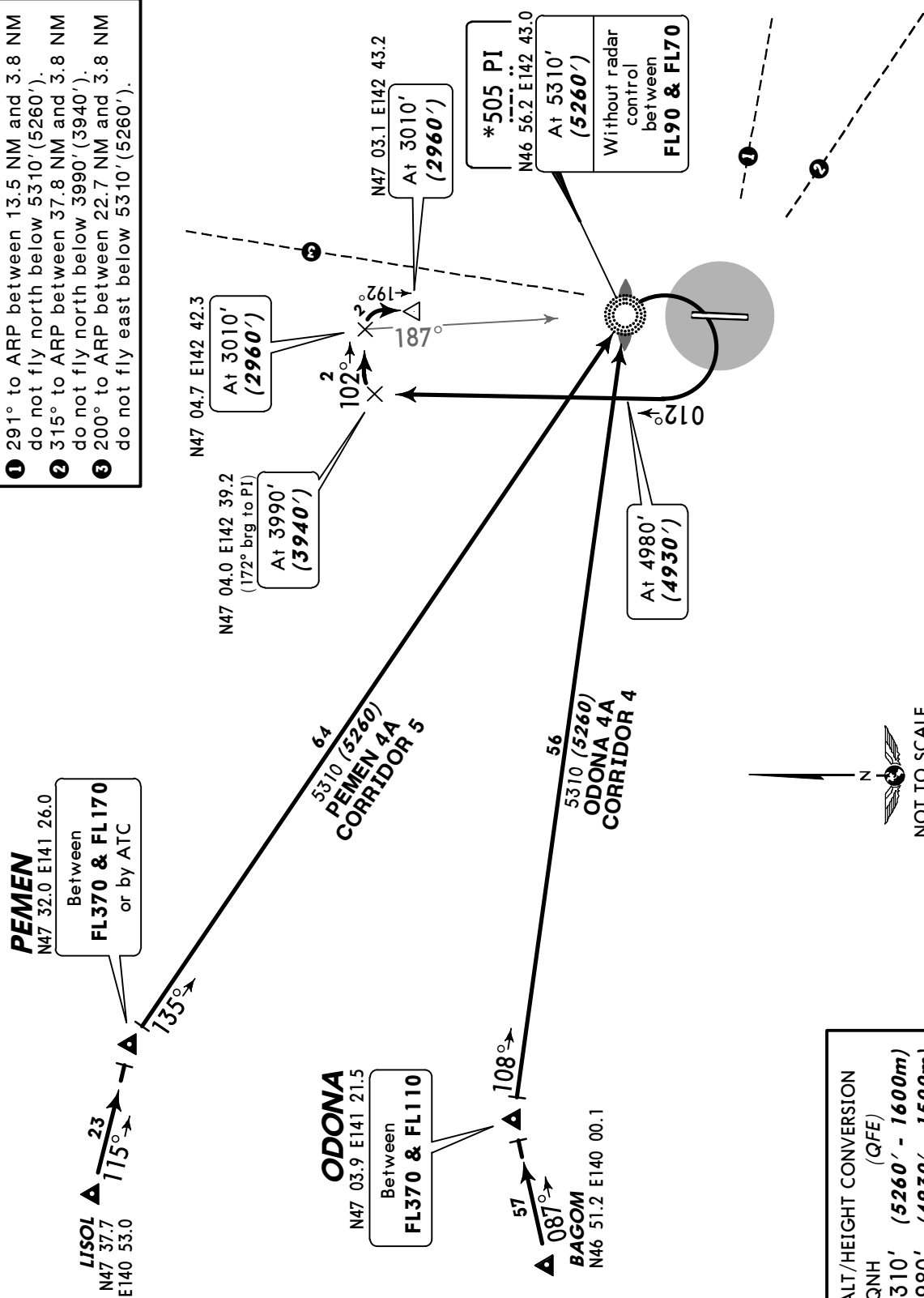
RWY 19 ARRIVALS

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/HEIGHT CONVERSION

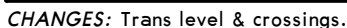
QNH (QFE)

5310' (5260' - 1600m)

4980' (4930' - 1500m)

3990' (3940' - 1200m)

3010' (2960' - 900m)

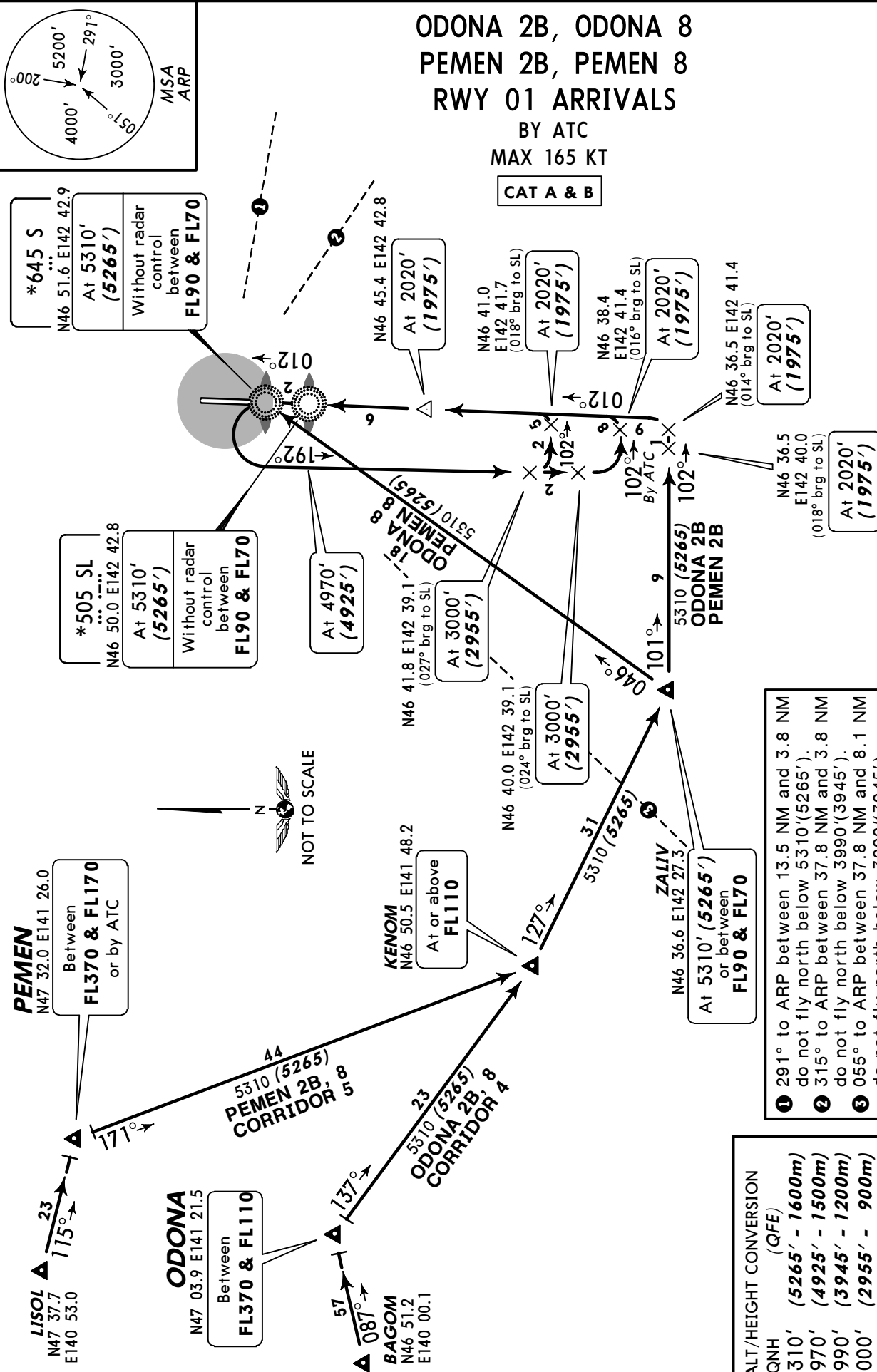


Apt Elev
59'

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'(**5265'**)

ODONA 2B, ODOA 8
PEMEN 2B, PEMEN 8
RWY 01 ARRIVALS

BY ATC
MAX 165 KT

CAT A & B

ALT/HEIGHT CONVERSION

(3)

(5265' - 1600m)
(4925' - 1500m)
(3945' - 1200m)
(2955' - 900m)
(1975' - 600m)

CHANGES: Trans level & crossings.

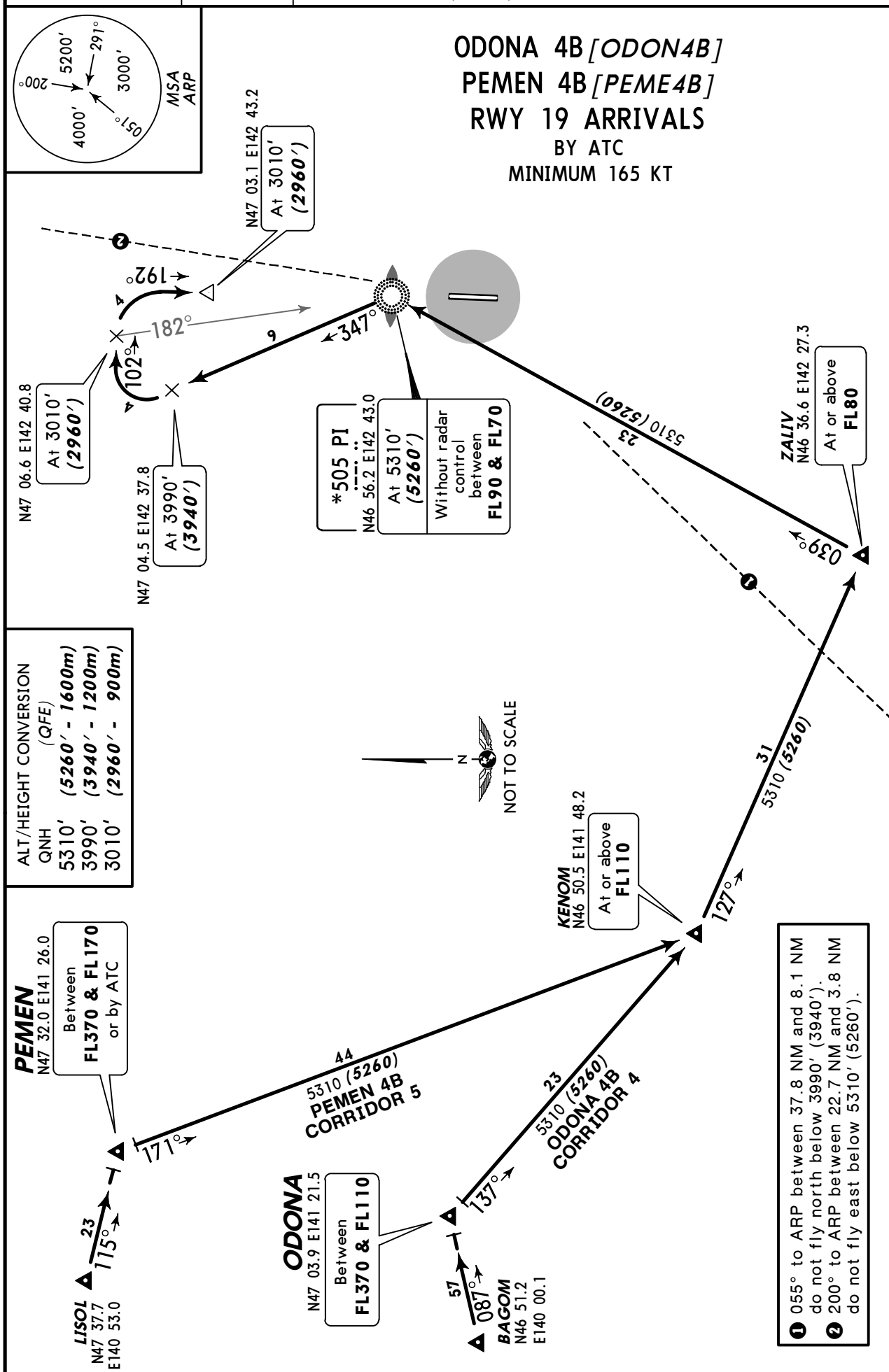
© JEPPESEN, 2009, 2011. ALL RIGHTS RESERVED.

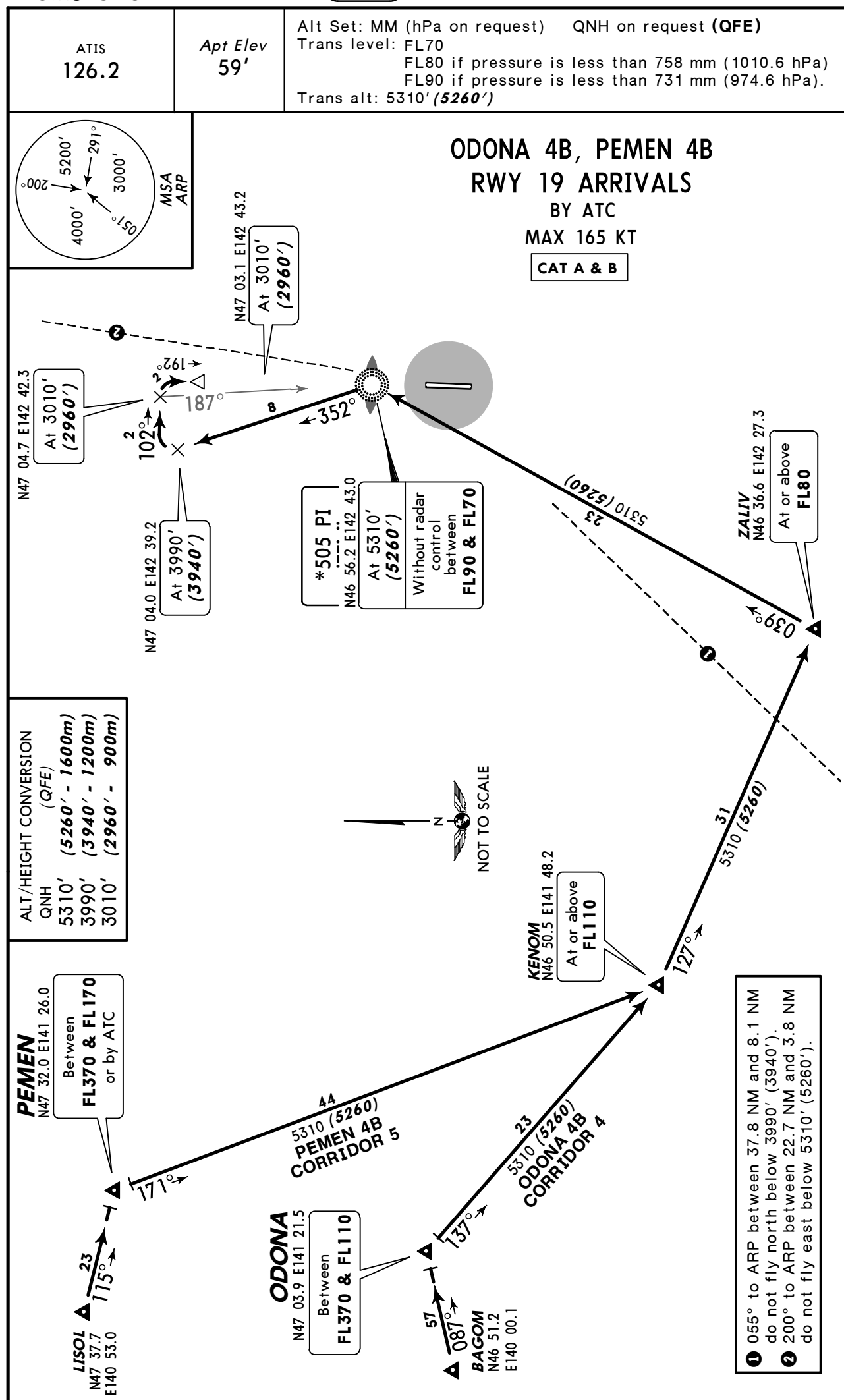
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5260')

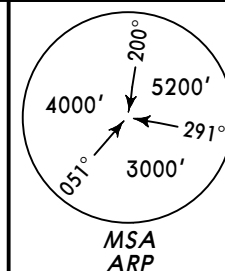
ATIS
126.2

Apt Elev
59'

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





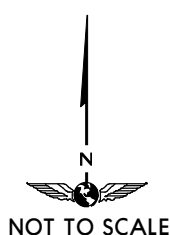
LIKON 2
RWY 01 ARRIVAL
MINIMUM 165 KT

LIKON
N47 39.4 E142 02.4
At or above
FL110

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 42.8
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)

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

Trans level: FL70

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

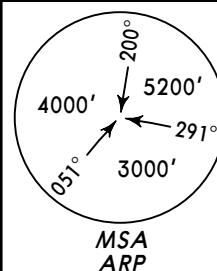
FL90 if pressure is less than 731 mm (974.6 hPa).

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)

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' (5260')

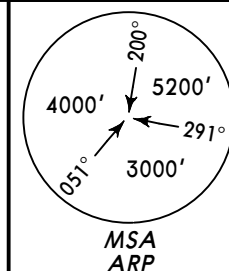
LIKON 4V [LIKO4V]

BY ATC

LIKON 6

RWY 19 ARRIVALS

MINIMUM 165 KT



LIKON
N47 39.4 E142 02.4

At or above
FL110

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 06.6 E142 40.8

At 3010'
(2960')

N47 04.5 E142 37.8

At 3990'
(3940')

N47 06.6 E142 43.4

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 & 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
126.2

Apt Elev
59'

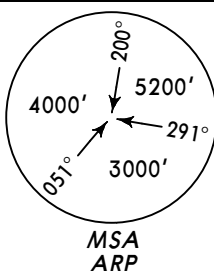
LIKON 4
LIKON 6

LIKON 4V
BY ATC

RWY 19 ARRIVALS

MAX 165 KT

CAT A & B



LIKON

N47 39.4 E142 02.4

At or above
FL110

139° 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

***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)

- 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').



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).

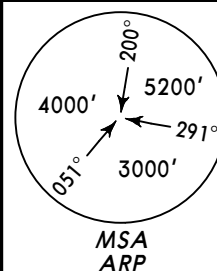
Trans alt: 5310' (5265')

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

NOT TO SCALE

- 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 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

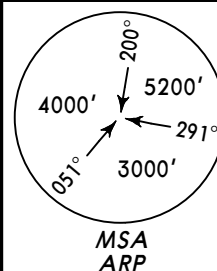
FL80 if pressure is less than 758 mm (1010.6 hPa)

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)

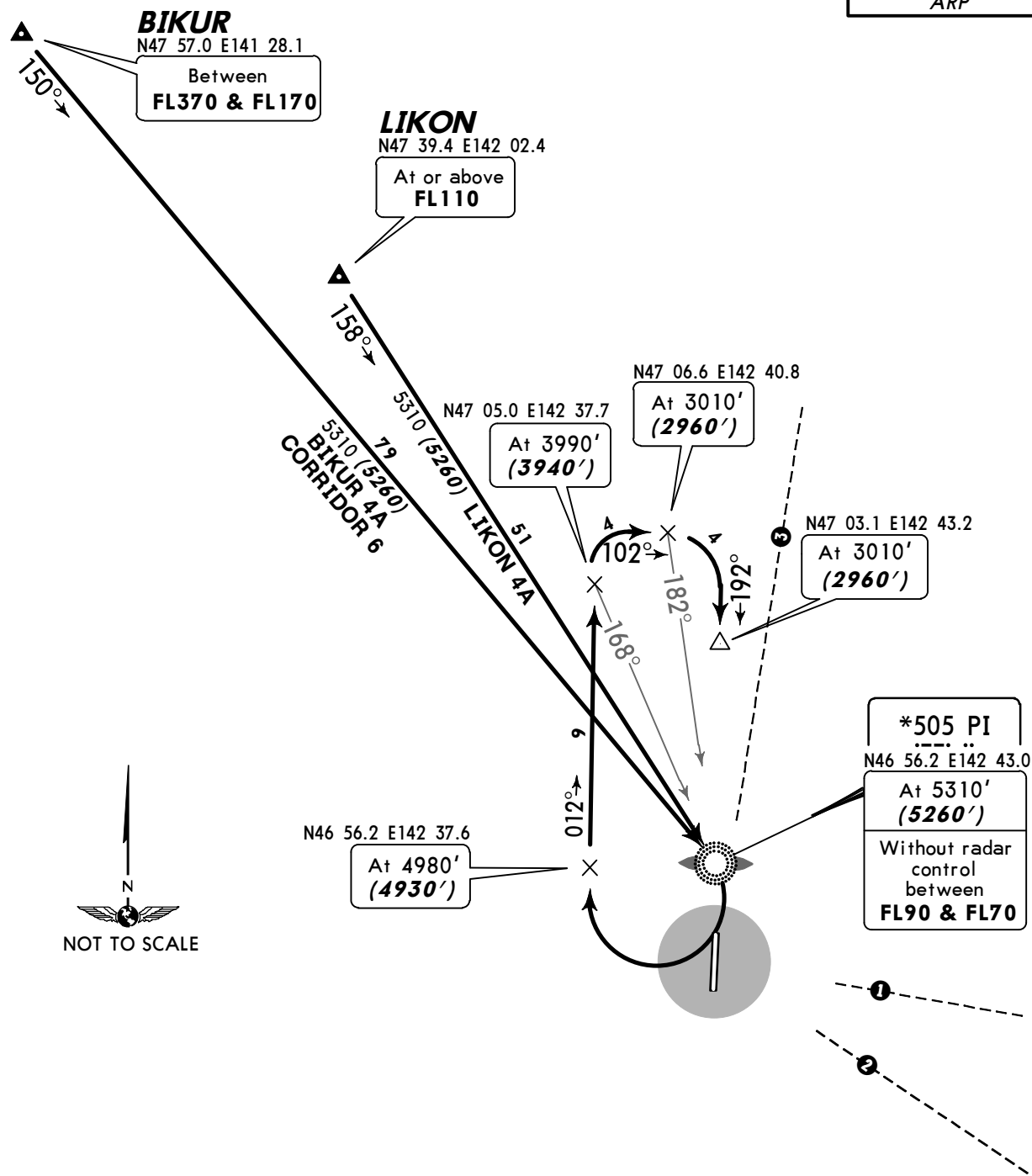
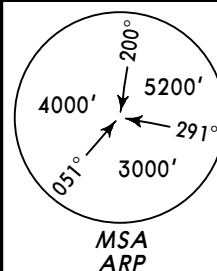
Alt Set: MM (hPa on request) QNH on request (QFE)

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).

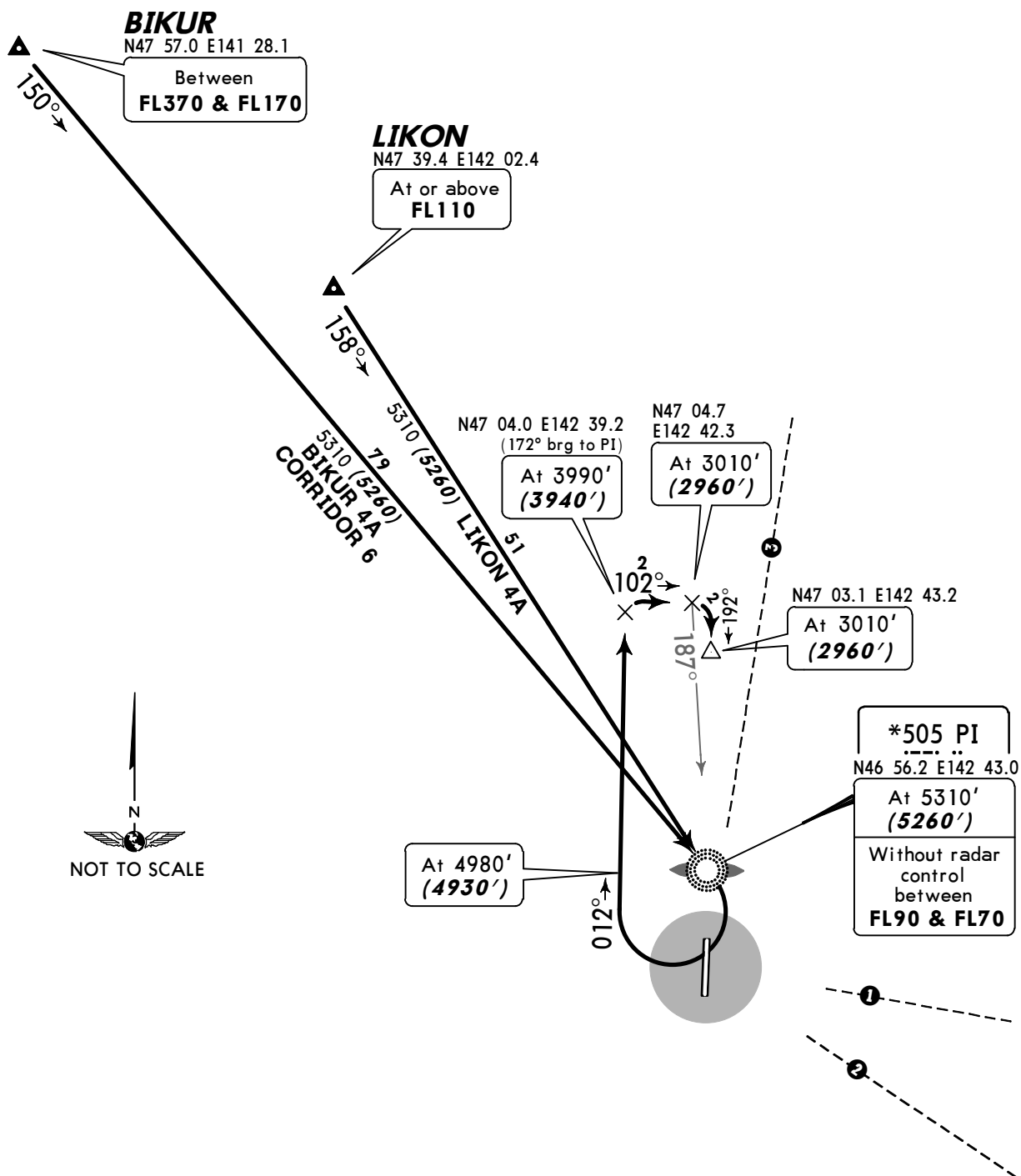
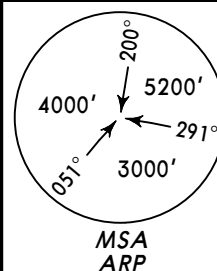
Trans alt: 5310' (5260')

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

BY ATC

MAX 165 KT

CAT A & B



ALT/HEIGHT CONVERSION

QNH (QFE)

5310' (5260' - 1600m)

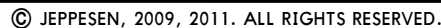
4980' (4930' - 1500m)

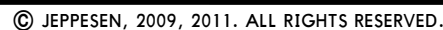
3990' (3940' - 1200m)

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'**)





Trans alt: 5310' (**5260'**)



0100 (2900 - 5000)

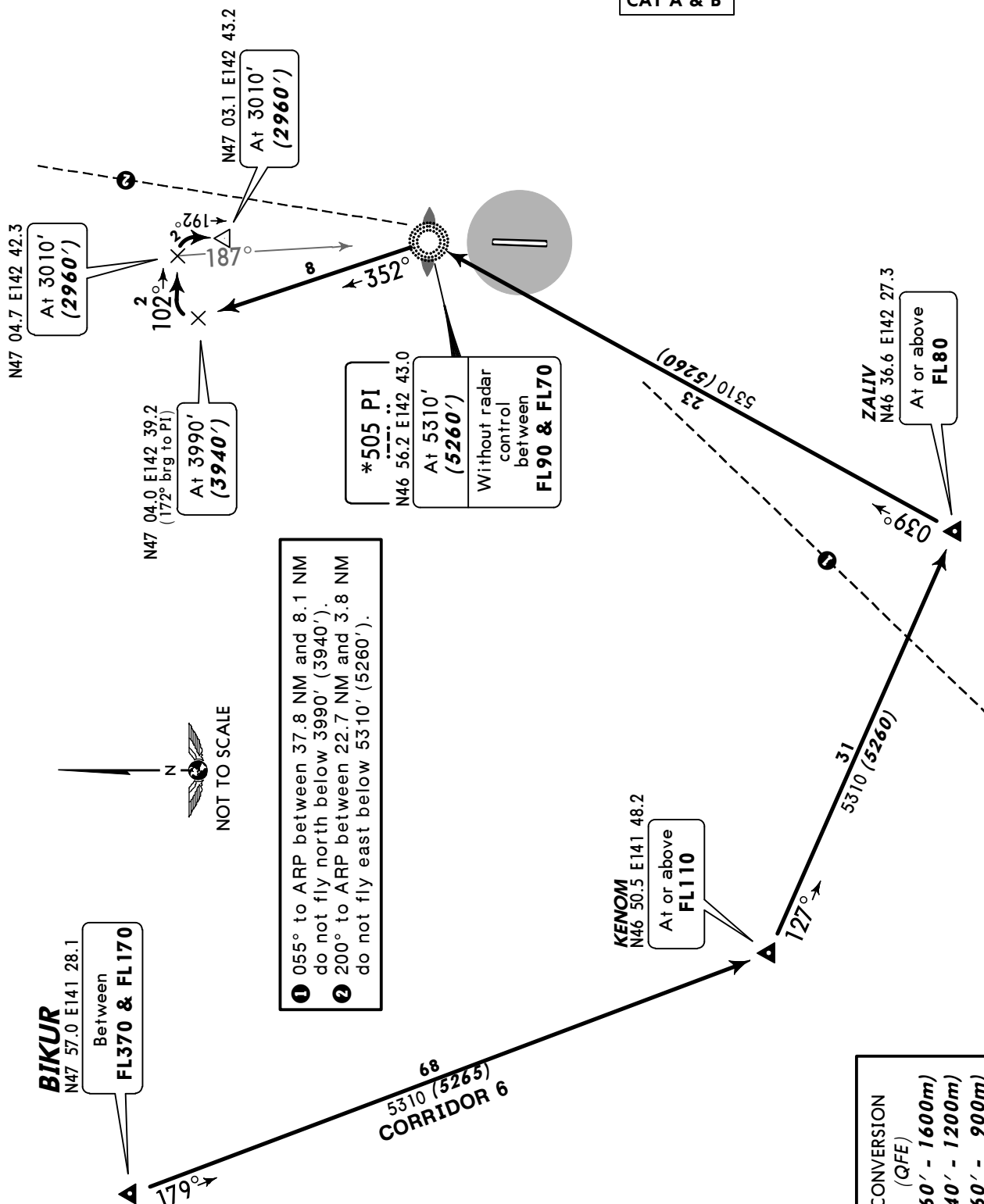
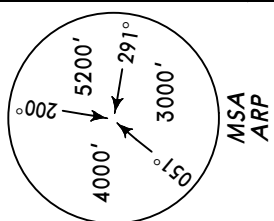
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5260')

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

BY ATC

MAX 165 KT

CAT A & B

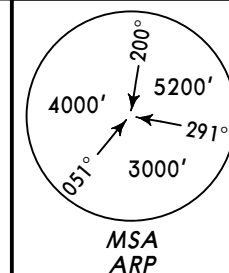


ALT/HEIGHT CONVERSION (QFE)	
5310'	(5260' - 1600m)
3990'	(3940' - 1200m)
3010'	(2960' - 900m)

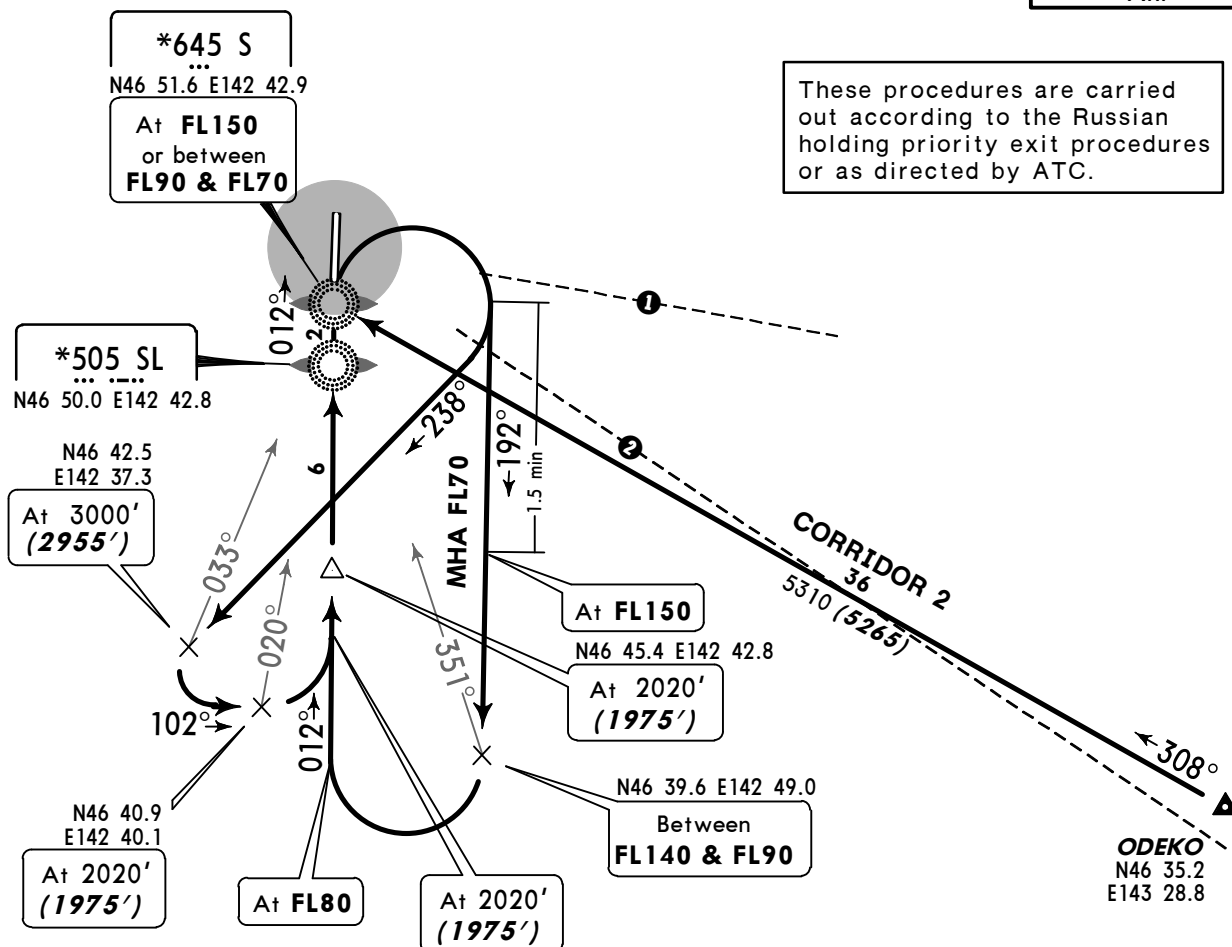
ATIS
126.2Apt Elev
59'

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 SOUTHEAST BY ATC



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

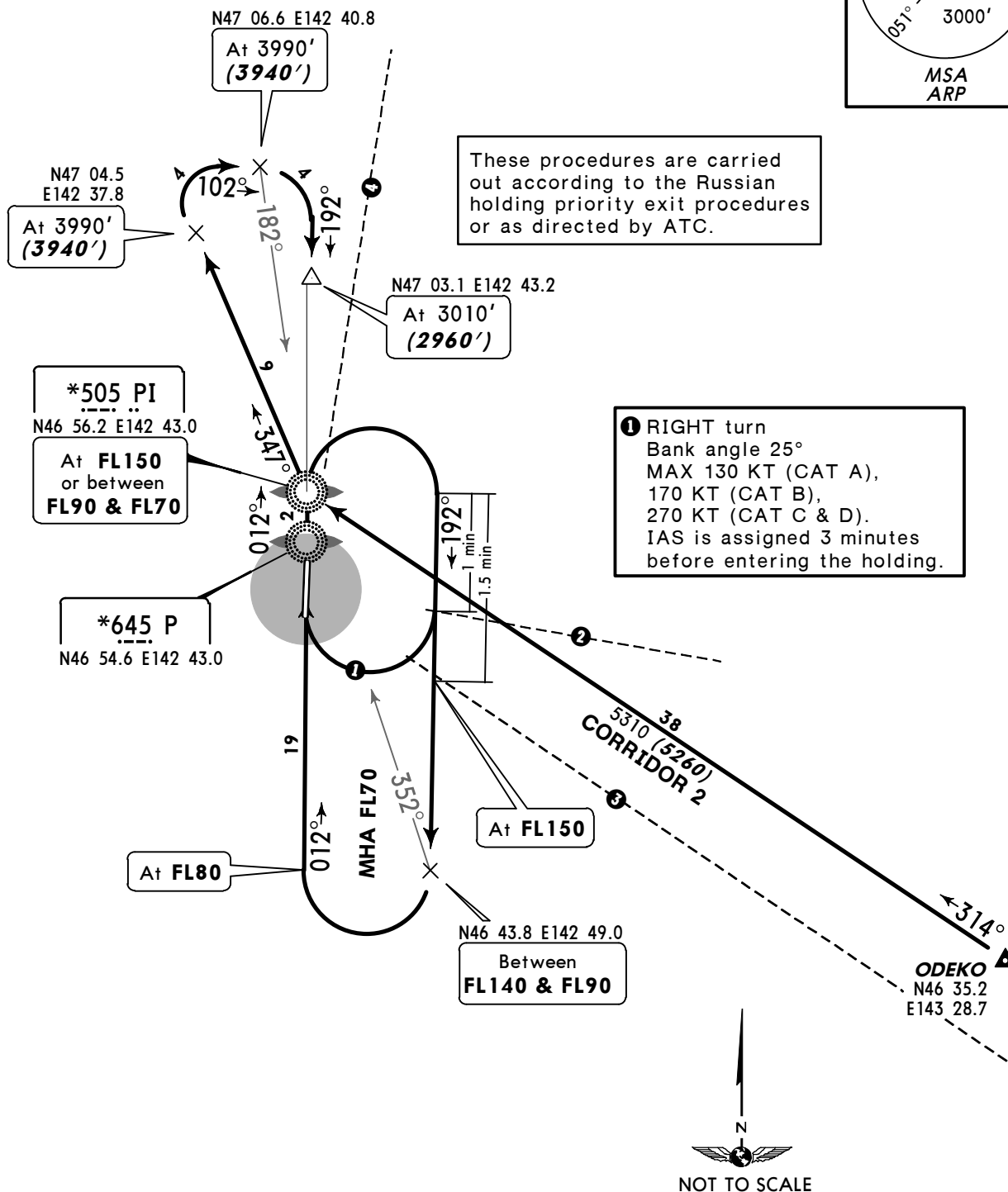
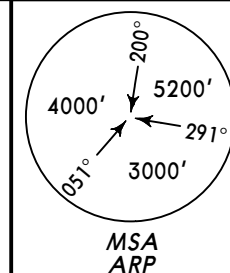


ALT/HEIGHT CONVERSION	
QNH	(QFE)
5310'	(5265' - 1600m)
3990'	(3945' - 1200m)
3000'	(2955' - 900m)
2020'	(1975' - 600m)

- 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').

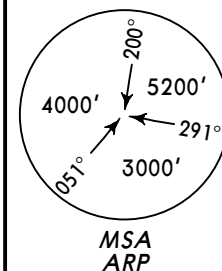
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL70
FL80 if pressure is less than 758 mm (1010.6 hPa)
FL90 if pressure is less than 731 mm (974.6 hPa).
Trans alt: 5310' (5265')
Crossings at airway exit points by ATC.

ATIS
126.2

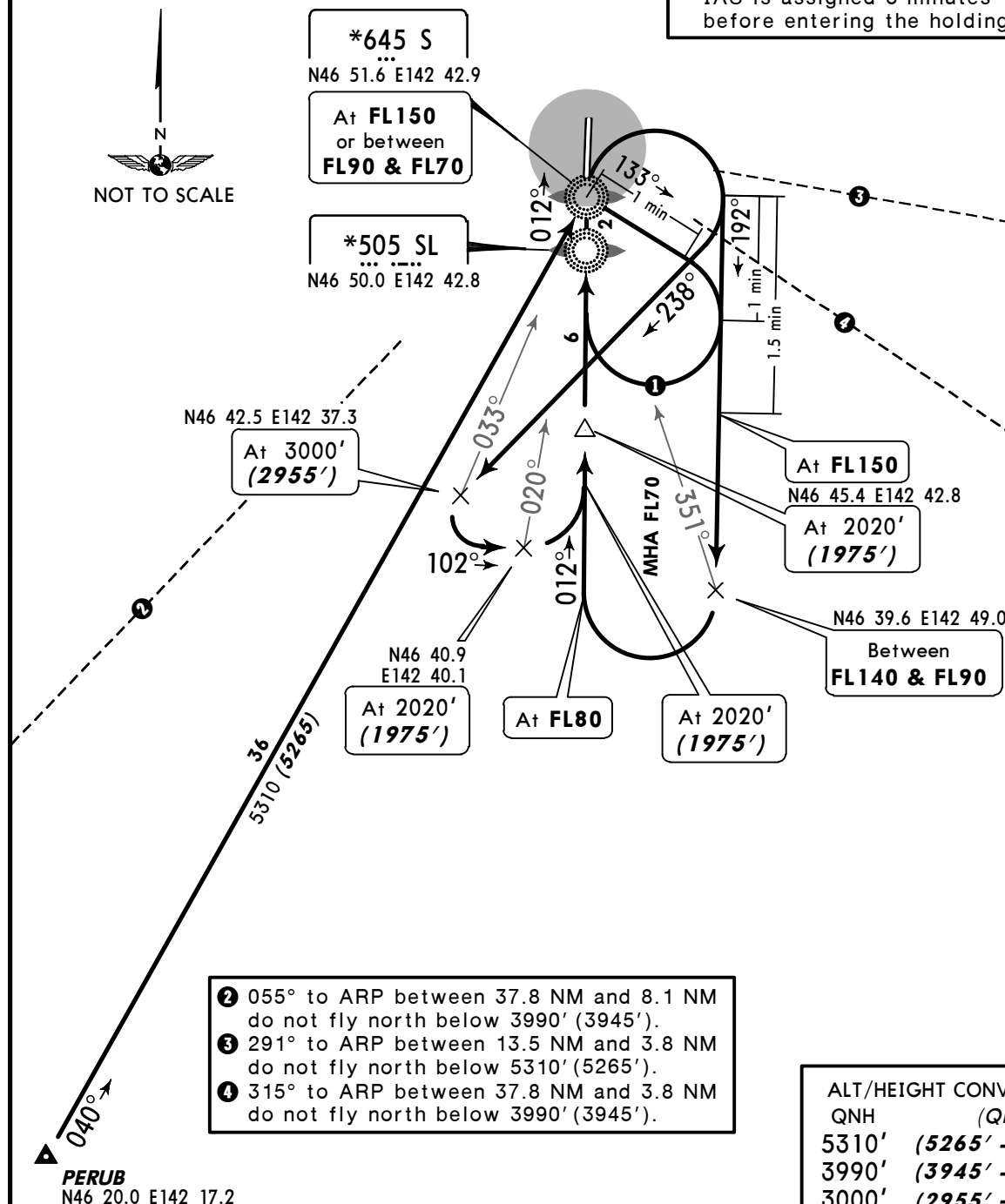
Apt Elev
59'

RWY 01 ARRIVAL FROM 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').

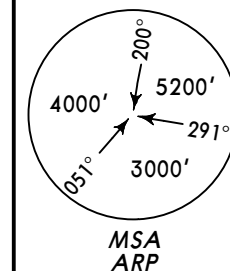
ALT/HEIGHT CONVERSION	
QNH	(QFE)
5310'	(5265' - 1600m)
3990'	(3945' - 1200m)
3000'	(2955' - 900m)
2020'	(1975' - 600m)

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.

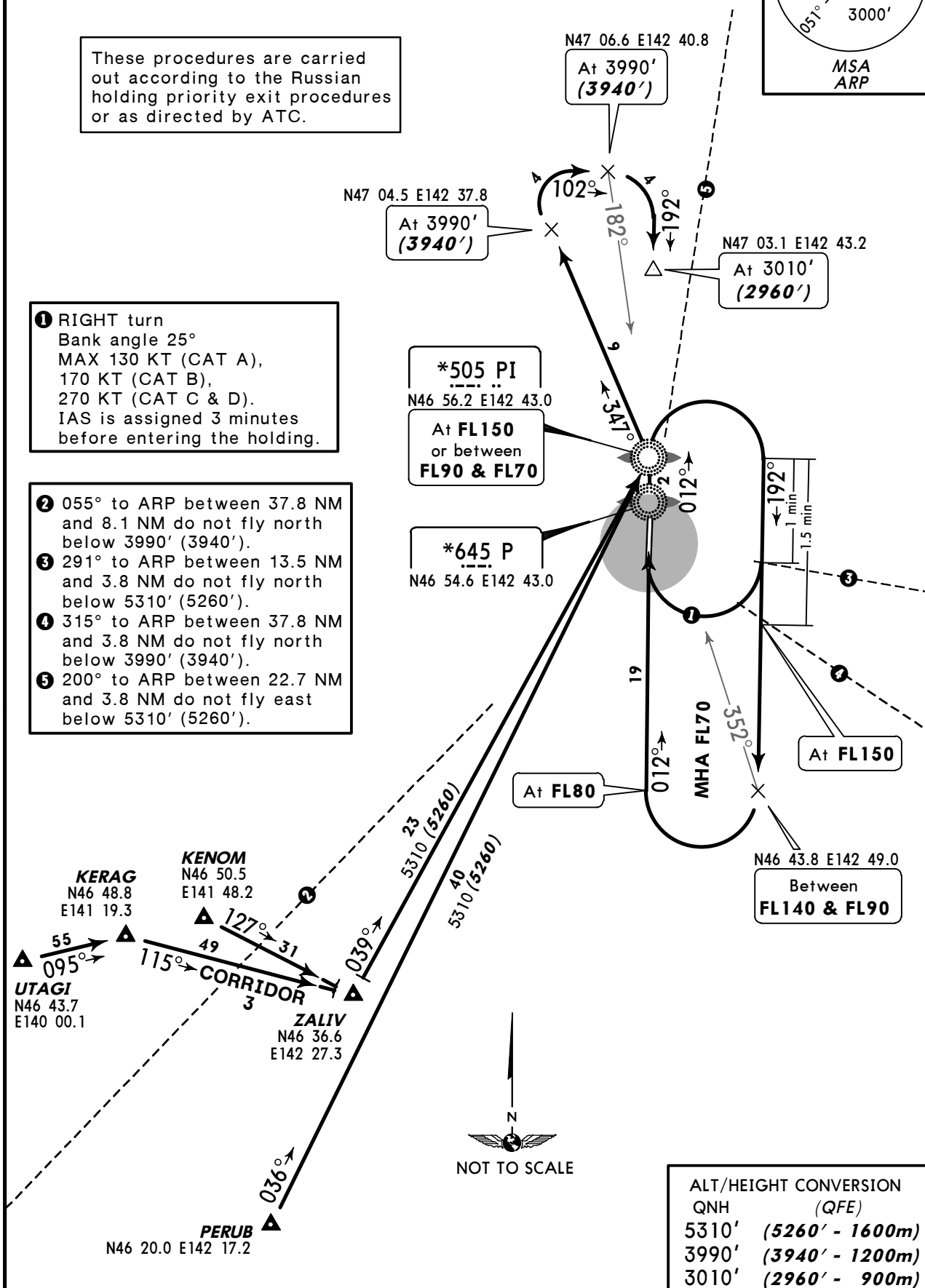
RWY 19 ARRIVALS
FROM SOUTH
BY ATC

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').



ATIS
126.2

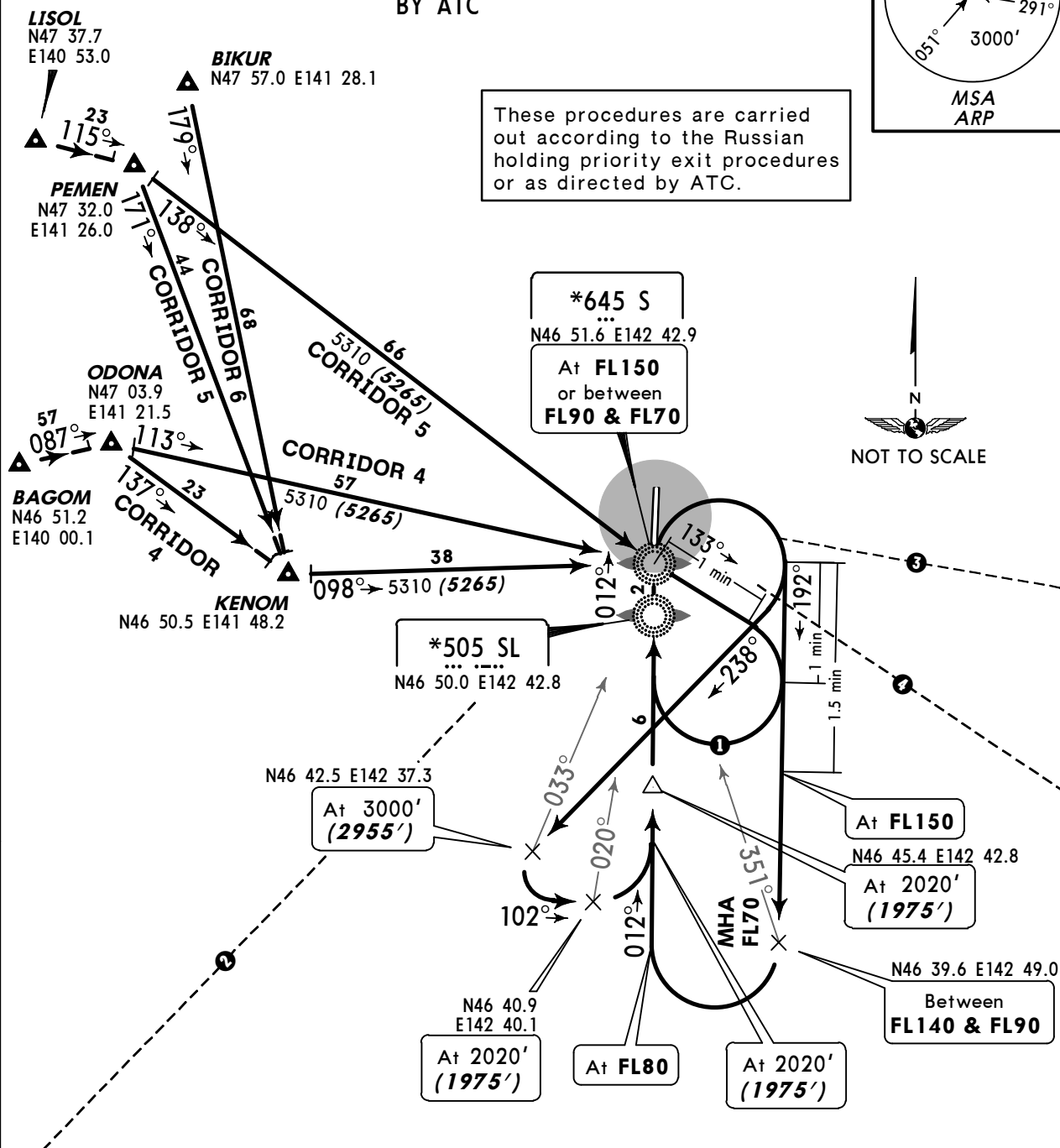
Apt Elev
59'

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

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.

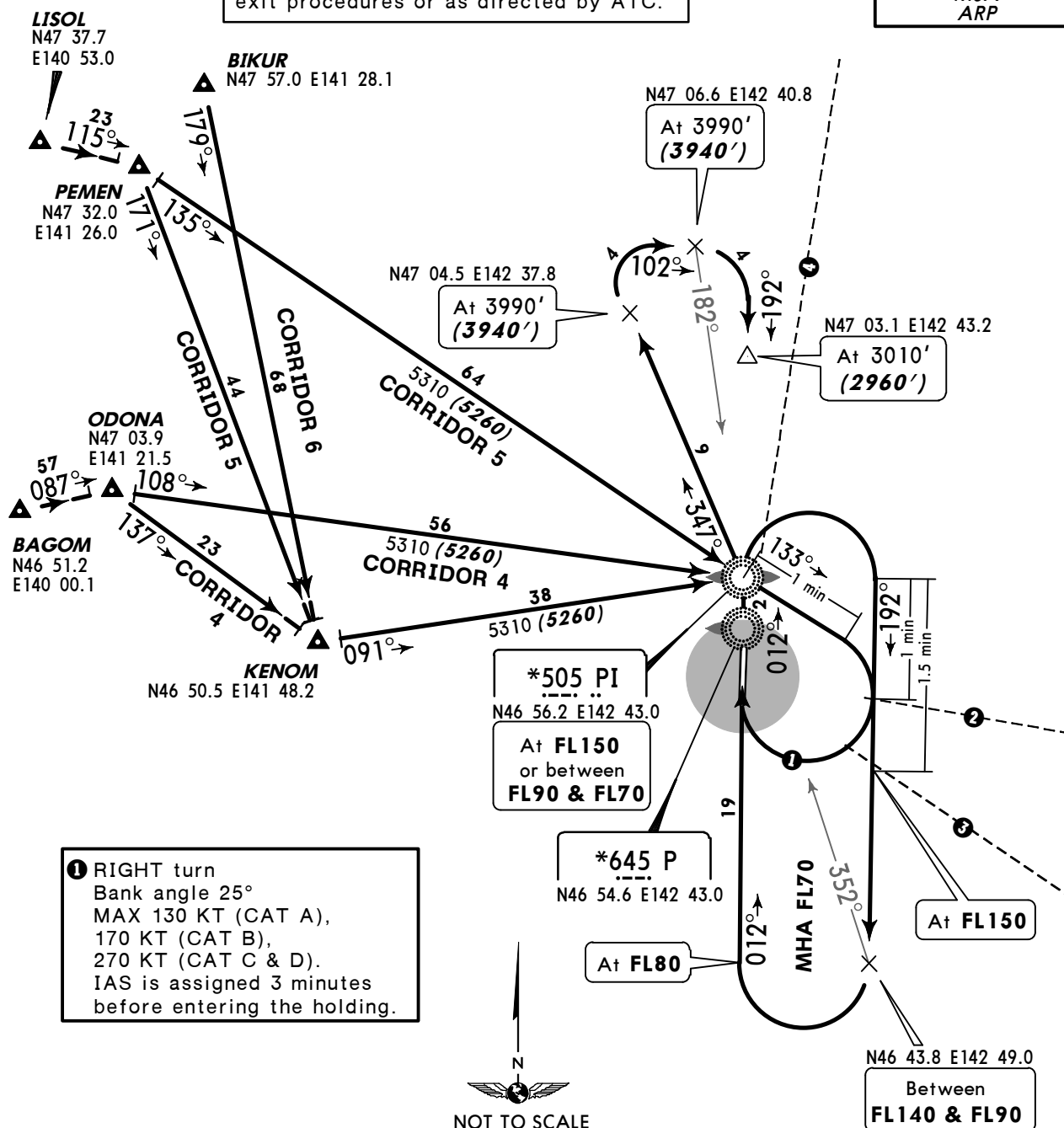
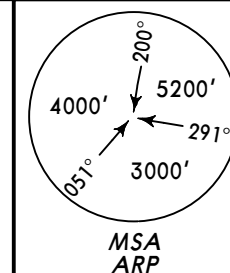
- 2 055° to ARP between 37.8 NM and 8.1 NM do not fly north below 3990' (3945').
- 3 291° to ARP between 13.5 NM and 3.8 NM do not fly north below 5310' (5265').
- 4 315° to ARP between 37.8 NM and 3.8 NM do not fly north below 3990' (3945').

ALT/HEIGHT CONVERSION

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

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.

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

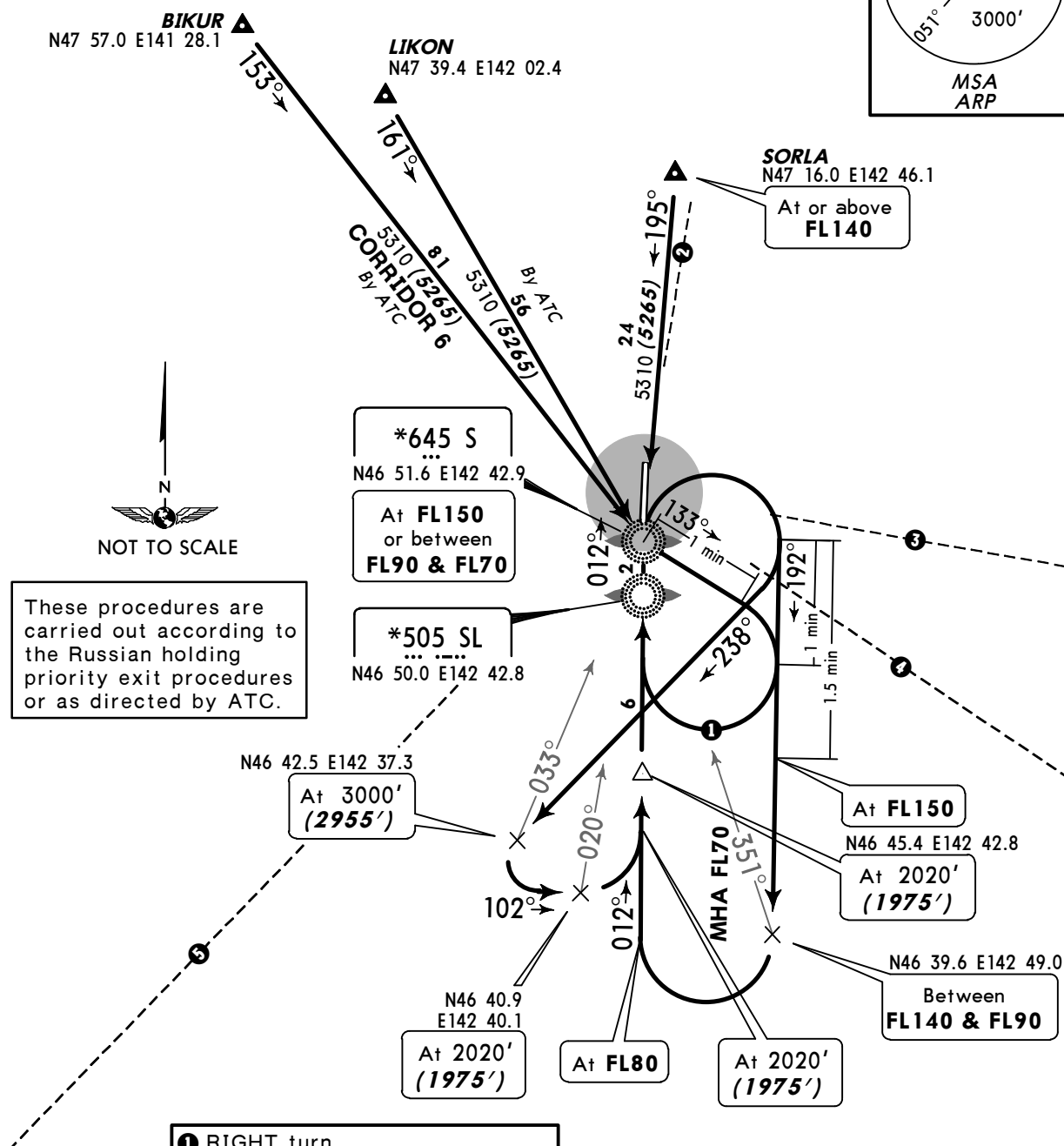
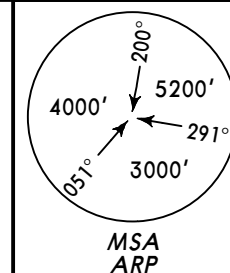


- 2 291° to ARP between 13.5 NM and 3.8 NM do not fly north below 5310' (5260').
- 3 315° to ARP between 37.8 NM and 3.8 NM do not fly north below 3990' (3940').
- 4 200° to ARP between 22.7 NM and 3.8 NM do not fly east below 5310' (5260').

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

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 ARRIVALS
FROM NORTHWEST

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' (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

SORLA
N47 16.0 E142 46.1

N47 04.5 E142 37.8

N47 03.1 E142 43.2

*505 PI
N46 56.2 E142 43.0
At FL150
or between
FL90 & FL70

*645 P
N46 54.6 E142 43.0

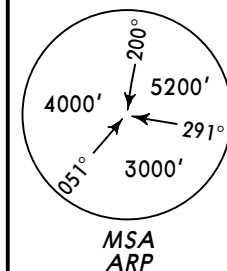
N46 43.8 E142 49.0
Between
FL140 & FL90

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.

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

- 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').



Apt Elev
59'

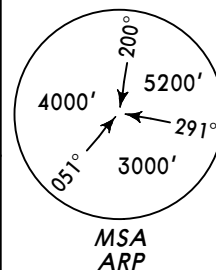
QNH on request (QFE)

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 39.4At 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'

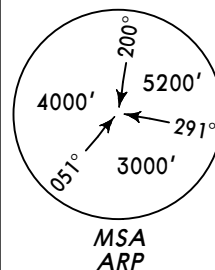
QNH on request (QFE)

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

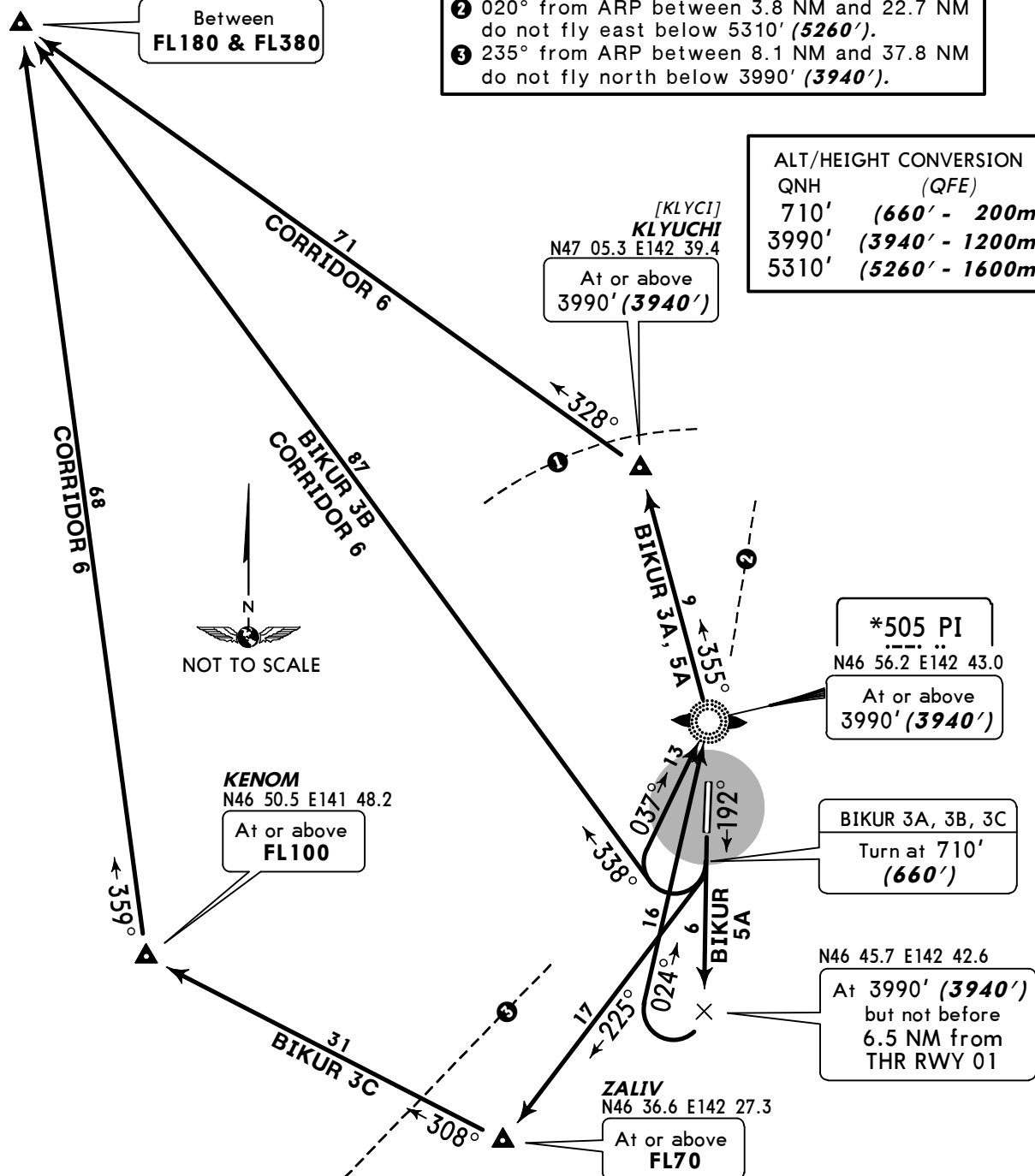
N47 57.0 E141 28.1

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'

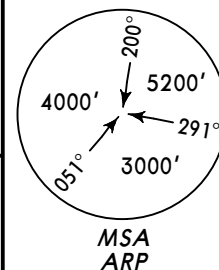
QNH on request (QFE)

Trans level: FL70

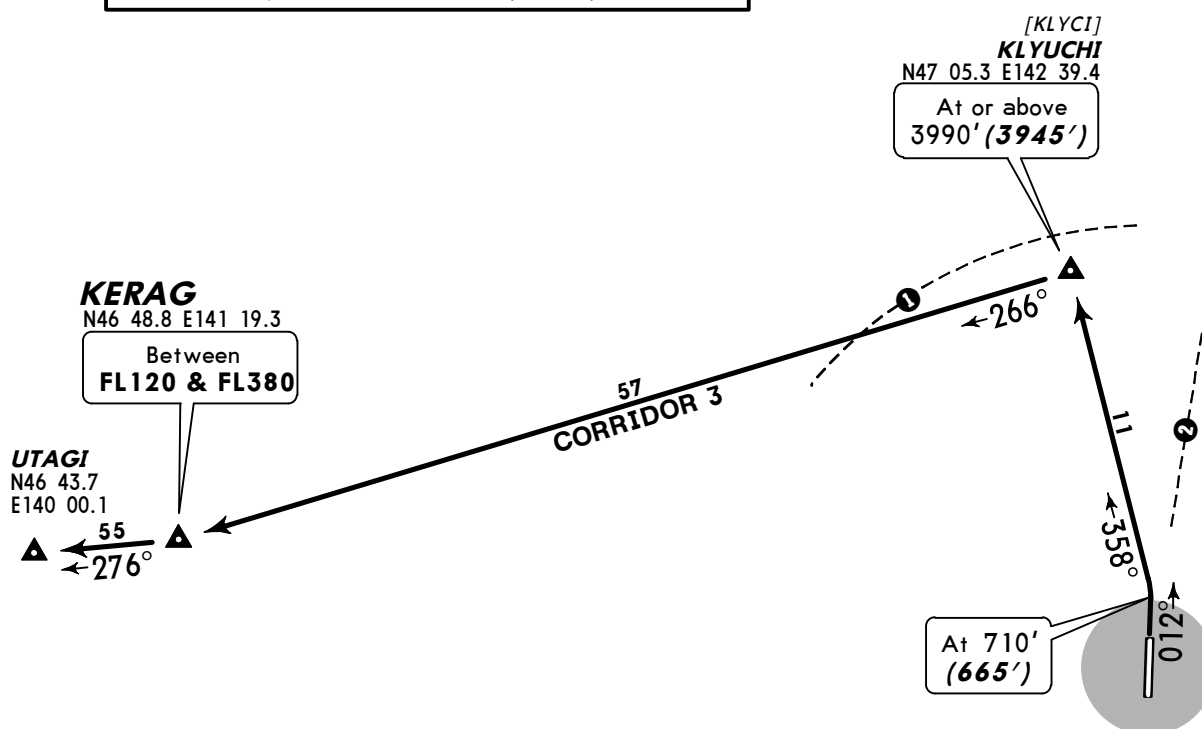
FL80 if pressure is less than 758 mm (1010.6 hPa)

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'

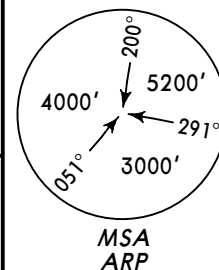
QNH on request (QFE)

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')

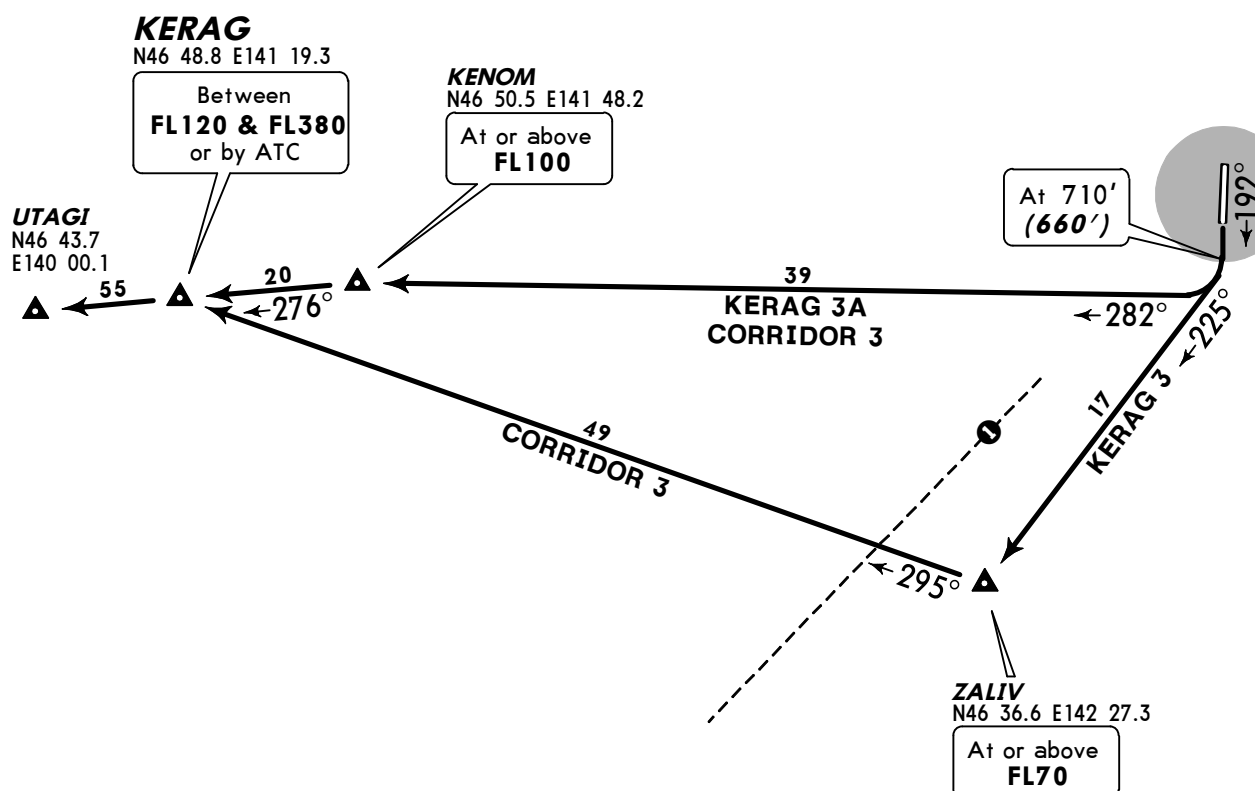


KERAG 3, KERAG 3A [KERA3A]

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'

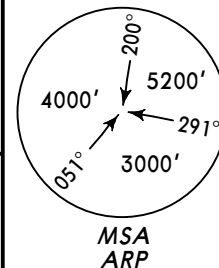
QNH on request (QFE)

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.

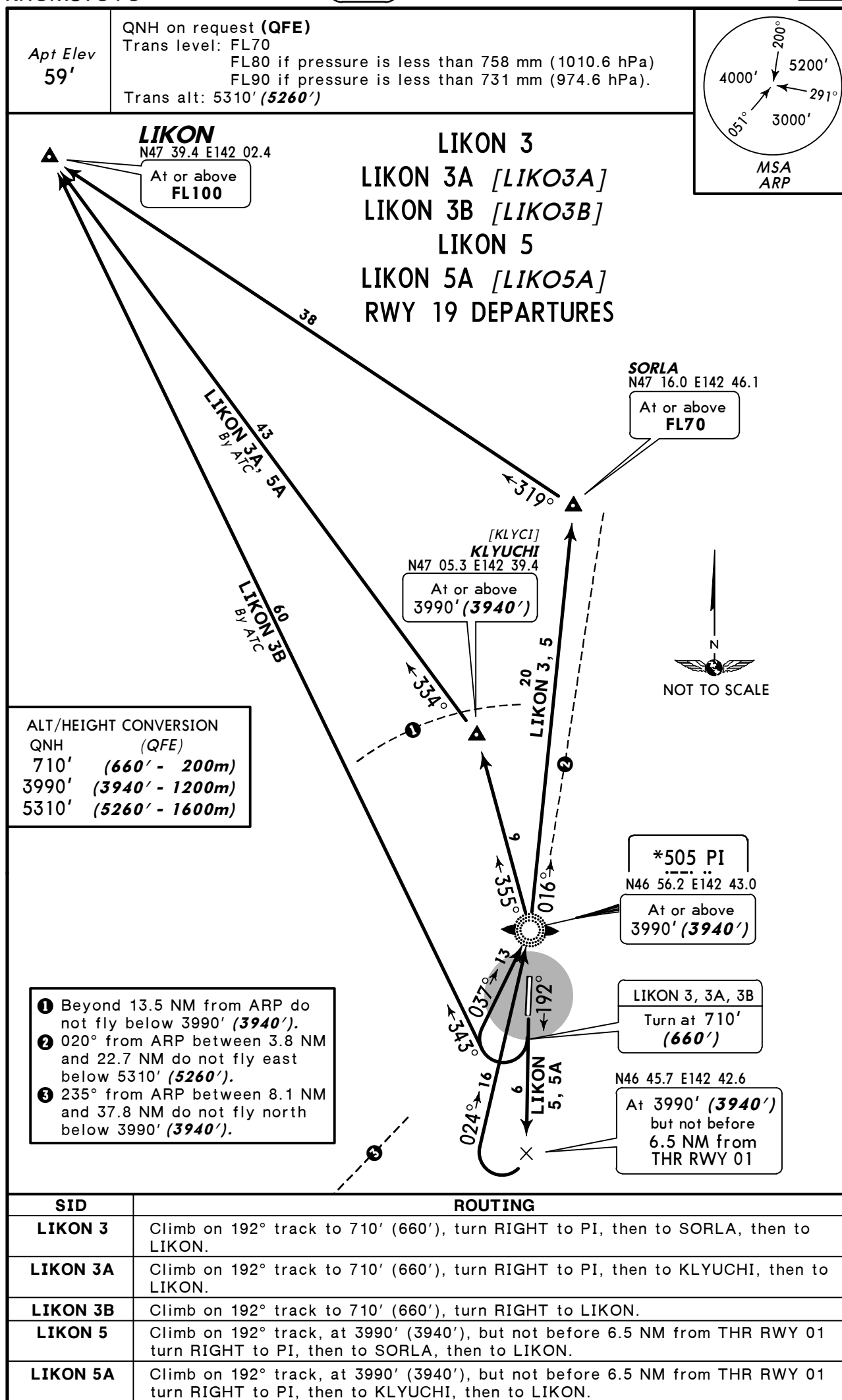


Diagram of a triangular plot of land with vertices labeled MSA, ARP, and a third point. The side lengths are 4000', 5200', and 3000'. The interior angles are 200° at MSA, 291° at ARP, and 51° at the third vertex.

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Apt Elev
59'

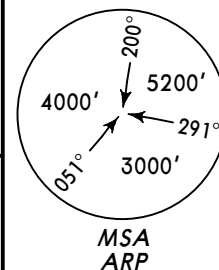
QNH on request (QFE)

Trans level: FL70

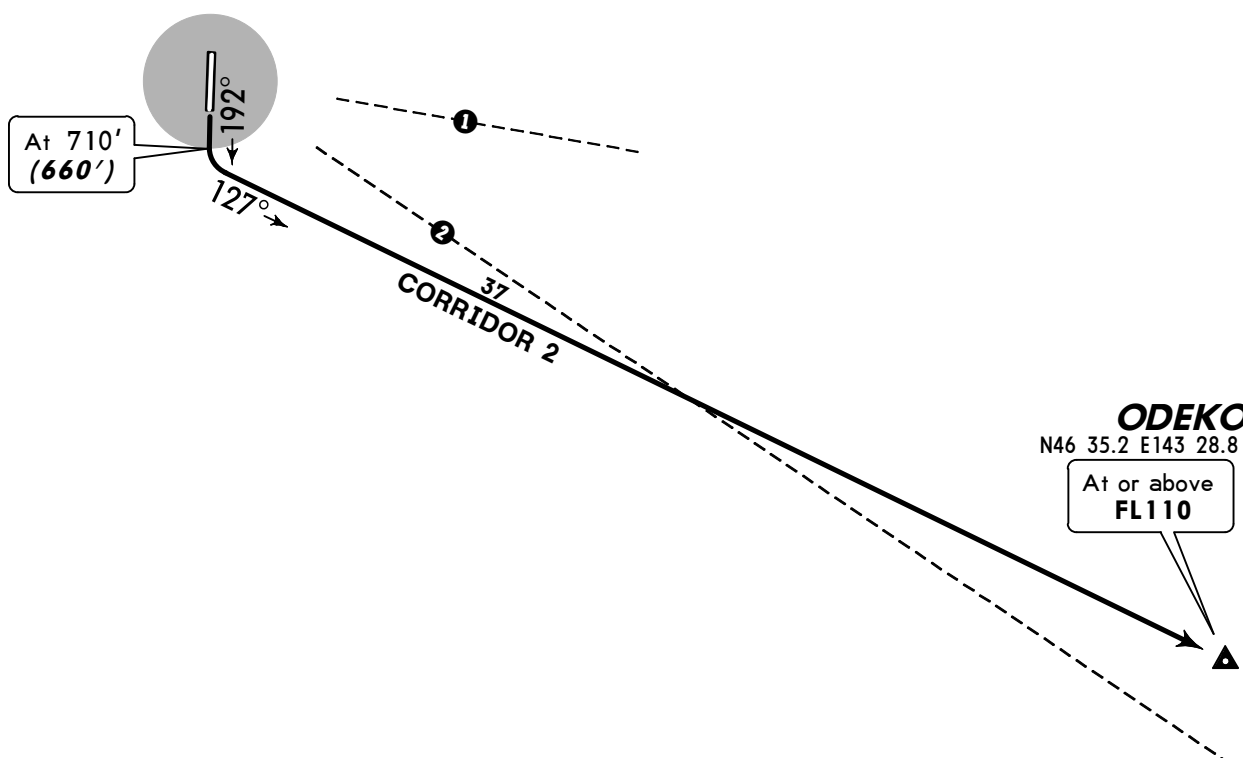
FL80 if pressure is less than 758 mm (1010.6 hPa)

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'

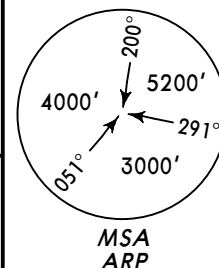
QNH on request (QFE)

Trans level: FL70

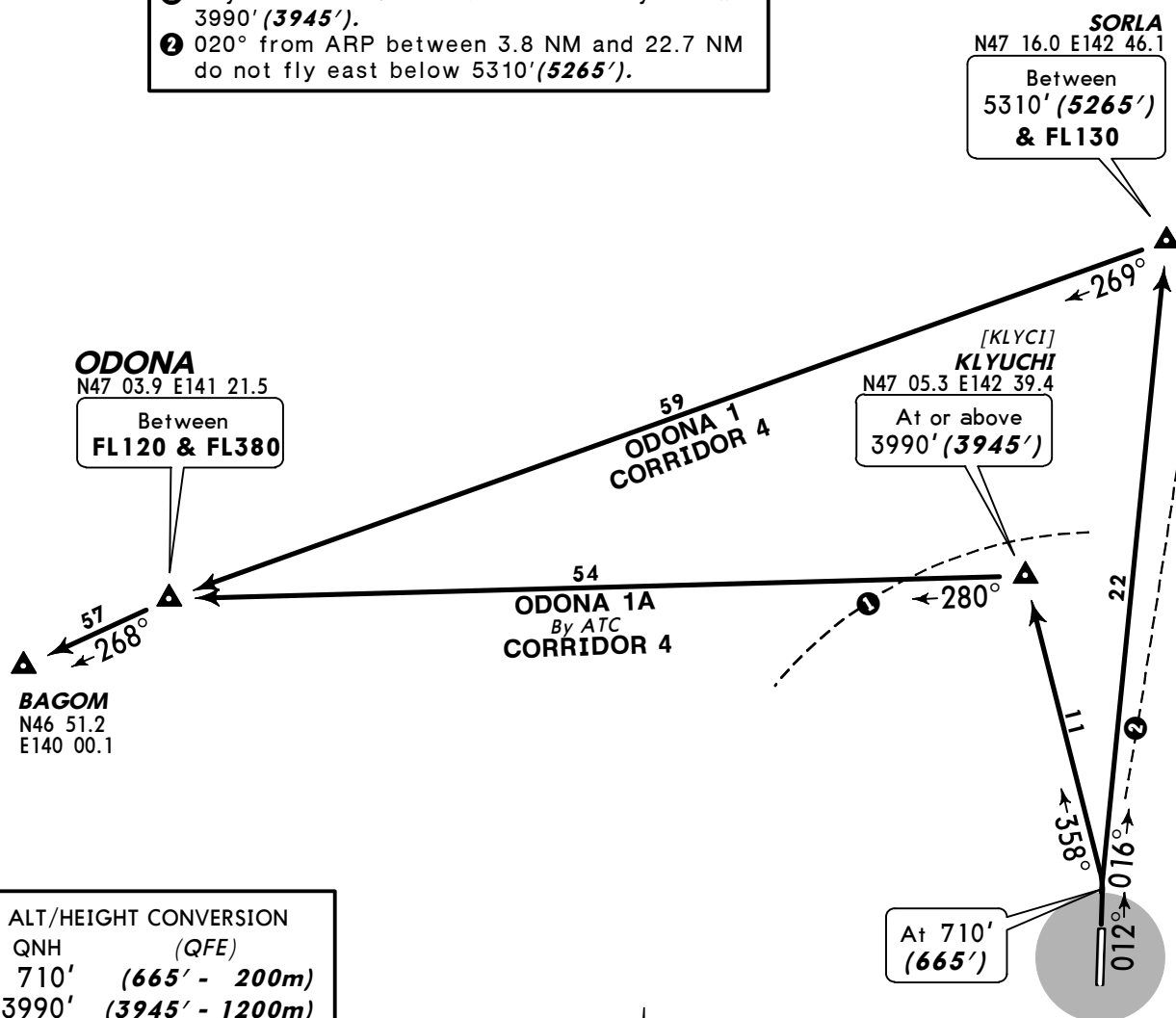
FL80 if pressure is less than 758 mm (1010.6 hPa)

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

Trans alt: 5310' (5265')

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

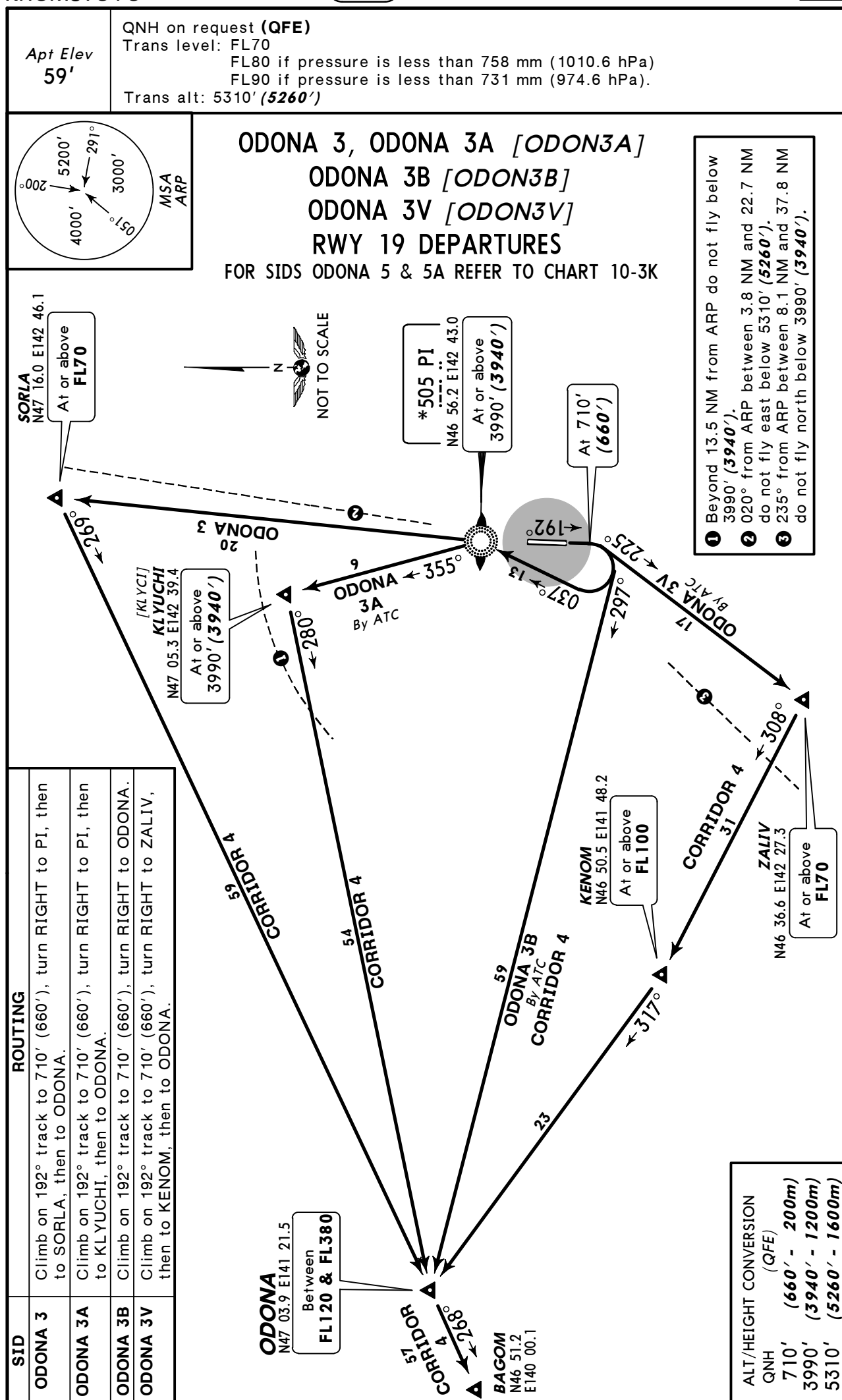
- 1 Beyond 13.5 NM from ARP do not fly below 3990' (3945').
- 2 020° from ARP between 3.8 NM and 22.7 NM do not fly east below 5310' (5265').

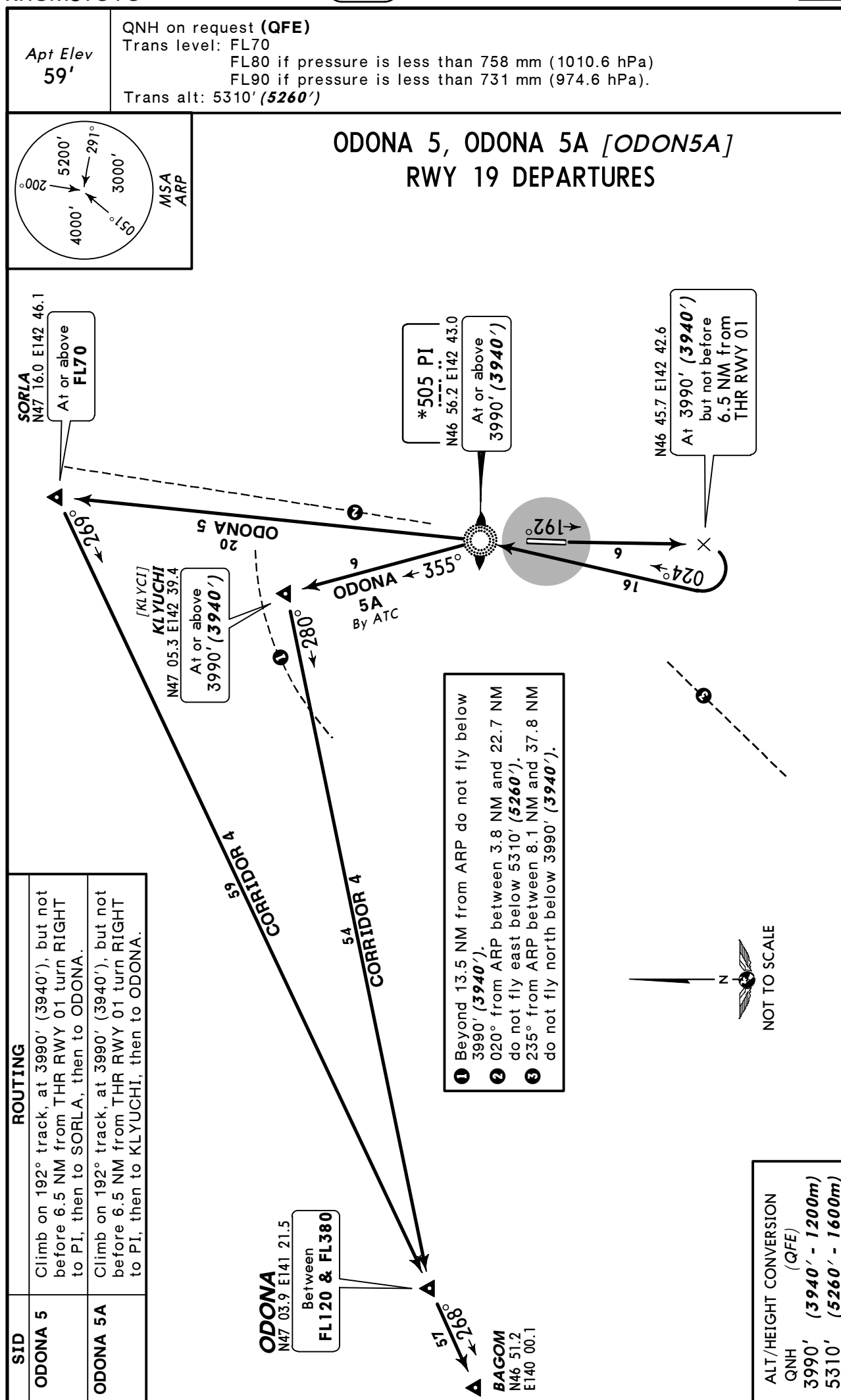


ALT/HEIGHT CONVERSION	
QNH	(QFE)
710'	(665' - 200m)
3990'	(3945' - 1200m)
5310'	(5265' - 1600m)



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'

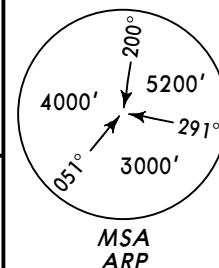
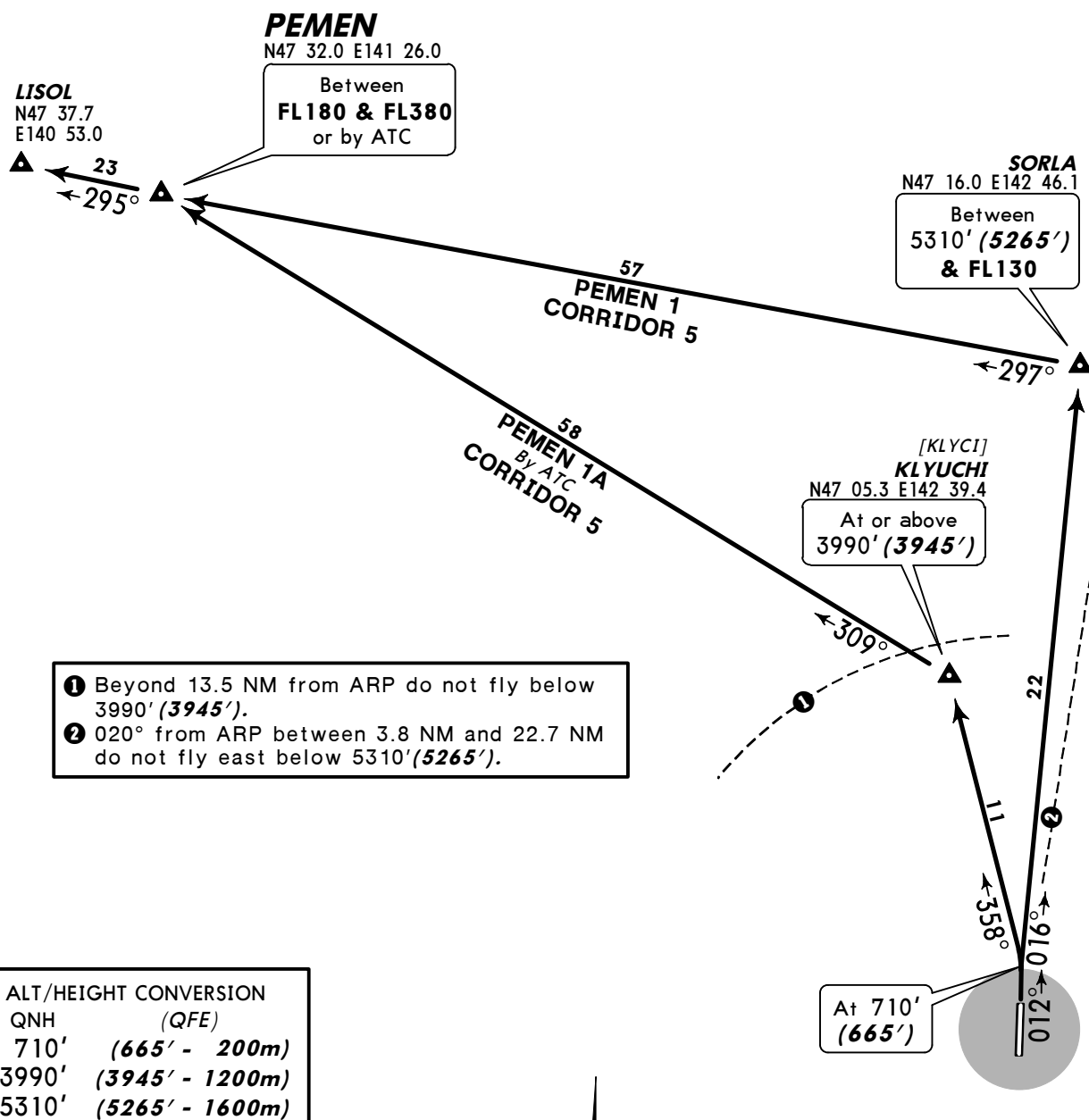
QNH on request (QFE)

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' (5265')

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

SID

ROUTING

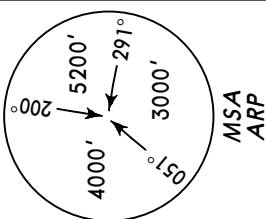
PEMEN 1

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

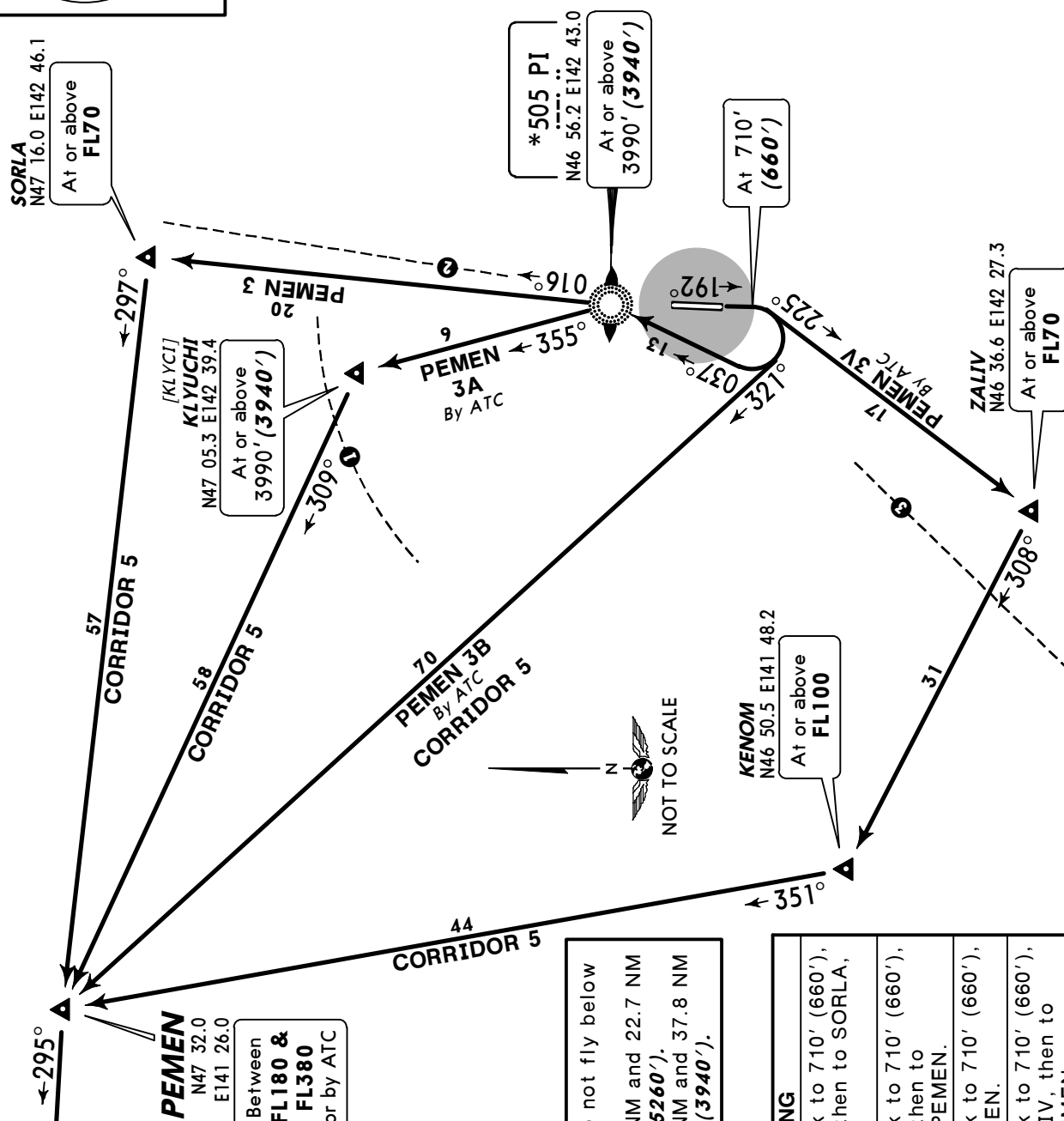
PEMEN 1A

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

Trans alt: 5310' (**5260'**)



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



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

- ➊ Beyond 13.5 NM from ARP do not fly below 3990' (**3940'**).
- ➋ 020° from ARP between 3.8 NM and 22.7 NM do not fly east below 5310' (**5260'**).
- ➌ 235° from ARP between 8.1 NM and 37.8 NM do not fly north below 3990' (**3940'**).

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'

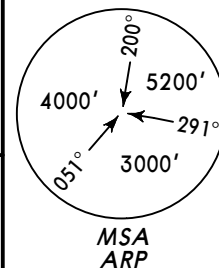
QNH on request (QFE)

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
FL70

- 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)

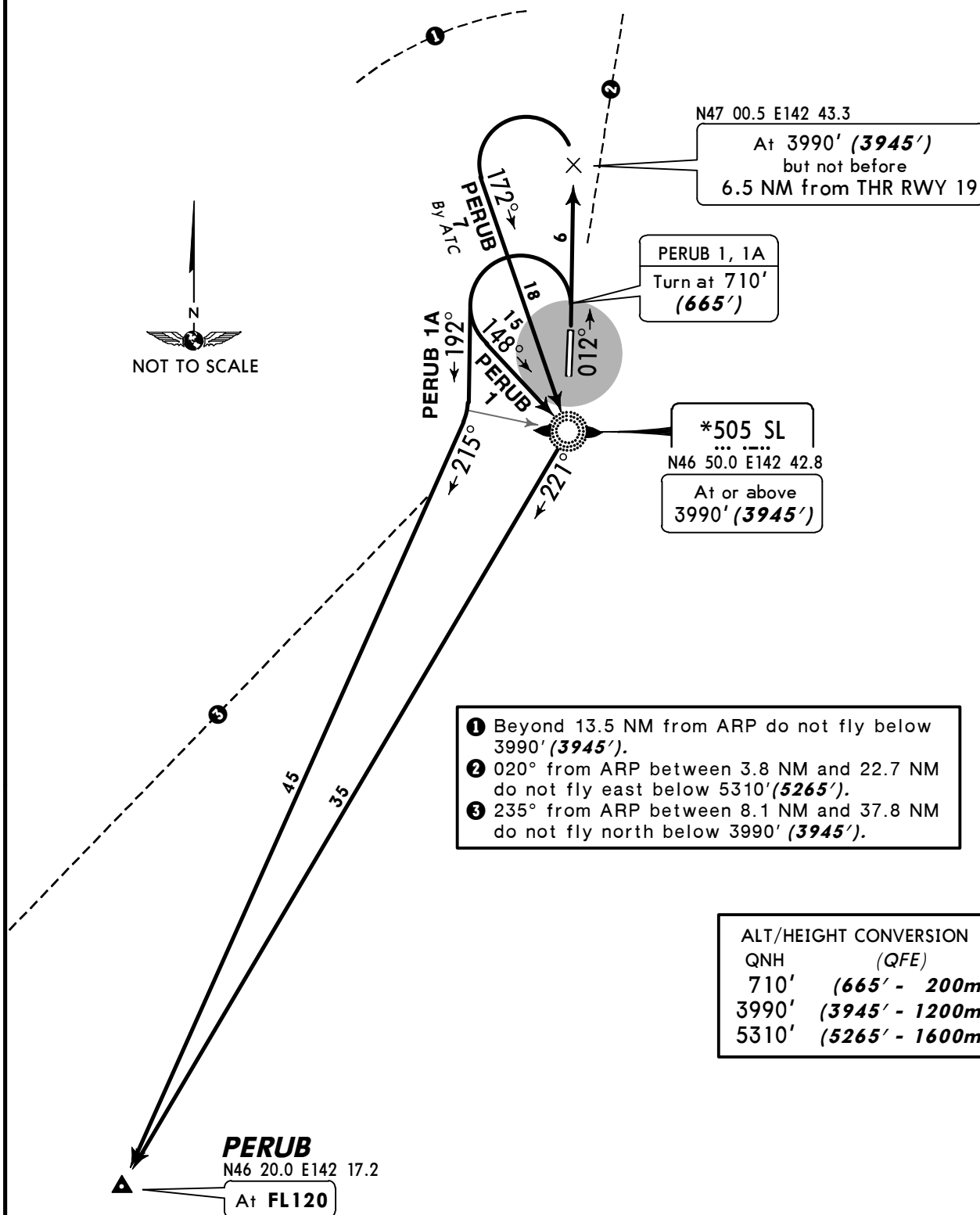
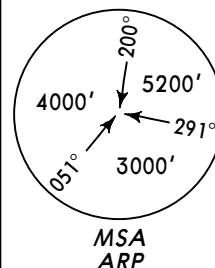
*505 PI
N46 56.2 E142 43.0
At or above
3990' (3940')

N46 45.7 E142 42.6

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

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.

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'**)



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'

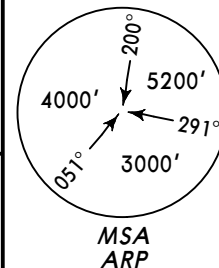
QNH on request (QFE)

Trans level: FL70

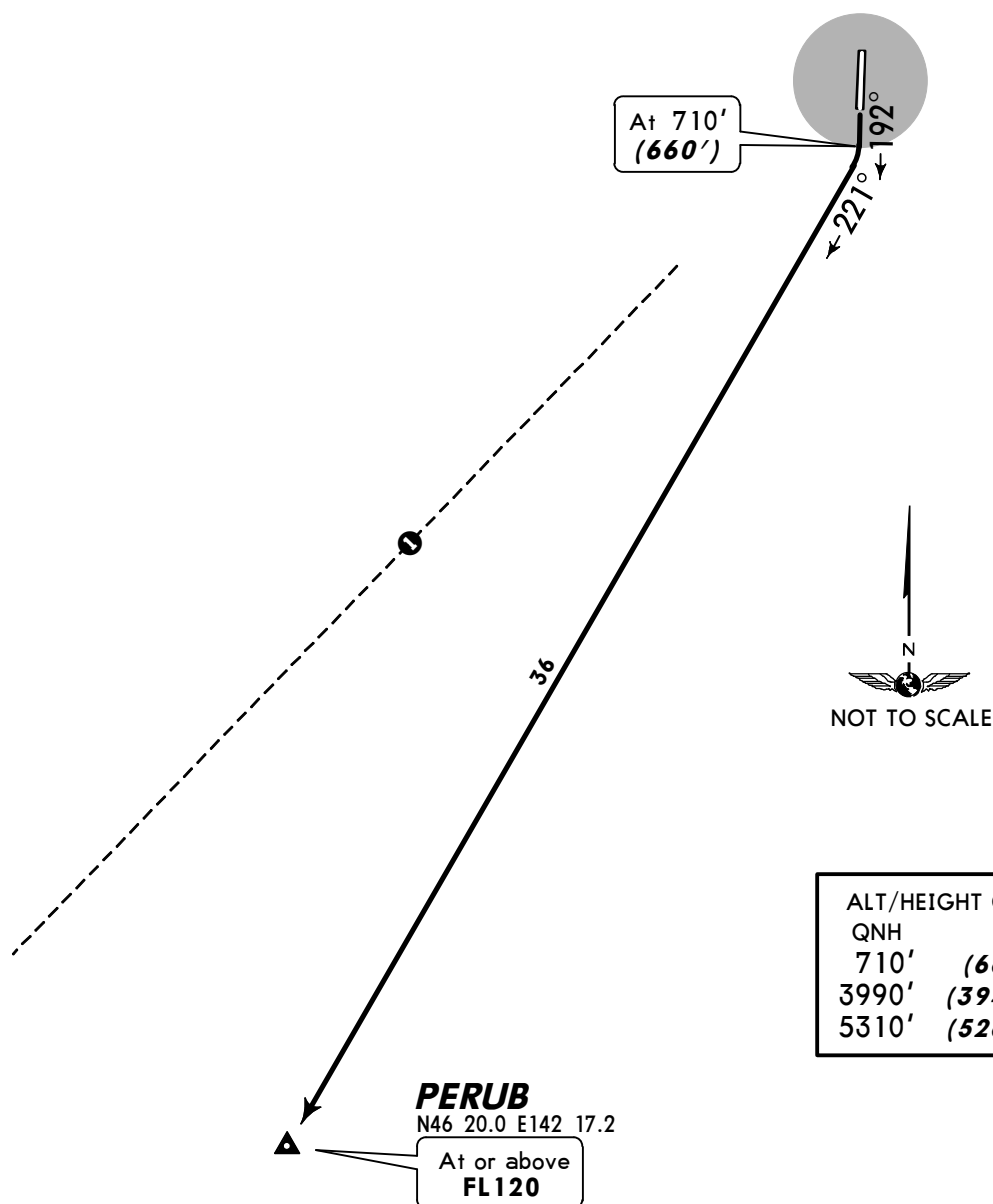
FL80 if pressure is less than 758 mm (1010.6 hPa)

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

Trans alt: 5310' (5260')

PERUB 3
RWY 19 DEPARTURE

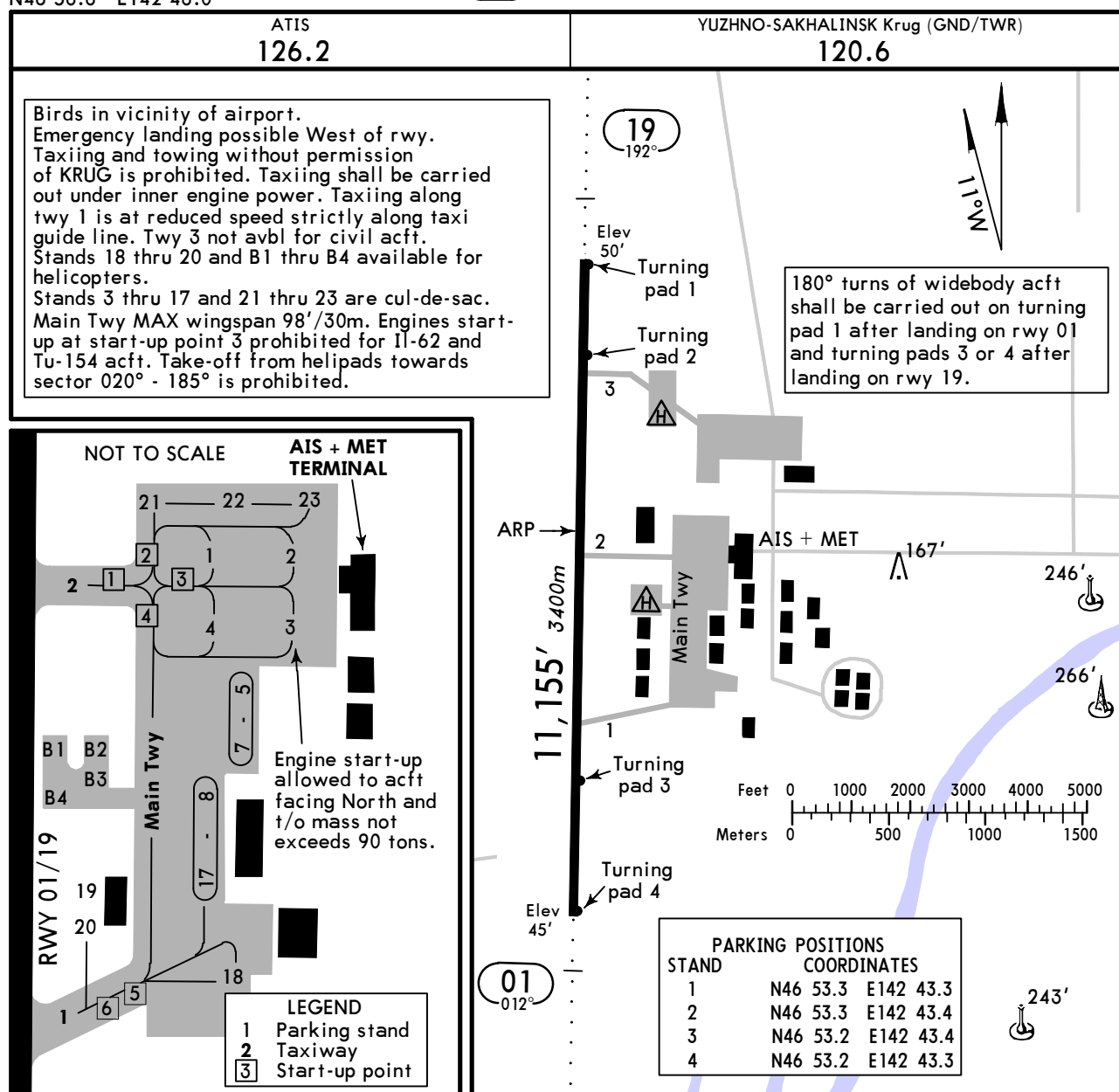
- ① 235° from ARP between
8.1 NM and 37.8 NM do not
fly north below 3990' (3940').



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



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

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

2 TAKE-OFF RUN AVAILABLE

RWY 01: From posn 328' / 100m

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

RWY 19: From posn 328'/100m

after rwy head	10,827' (3300m)
turning pad 2	9186' (2800m)
twy 2 int	6069' (1850m)
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". 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.

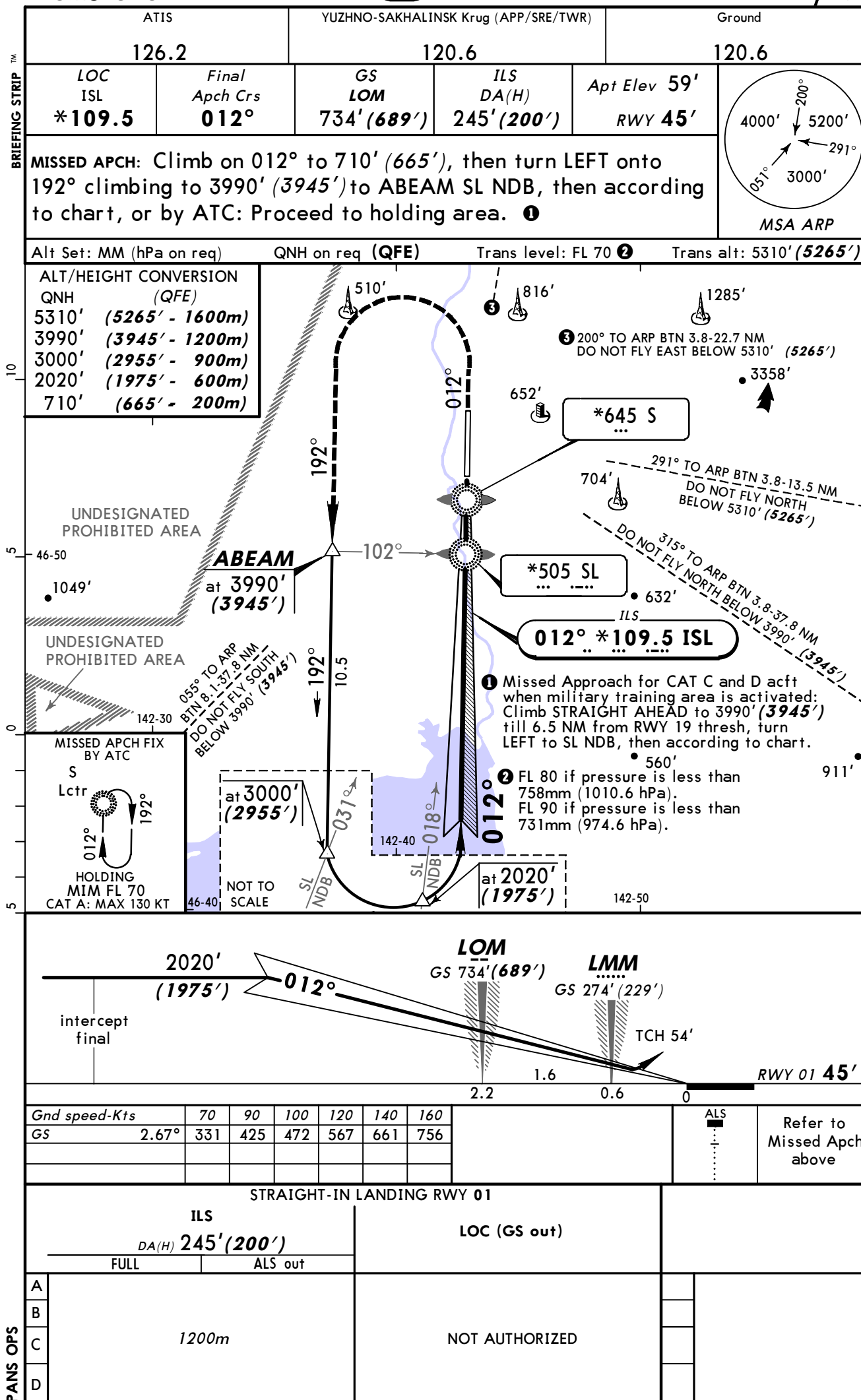
	TAKE-OFF	
	AIR CARRIER (JAA) All Rwys	
	LVP must be in force RCLM (DAY only) or RL	RCLM (DAY only) or RL
A	250m	400m
B		
C		
D	300m	

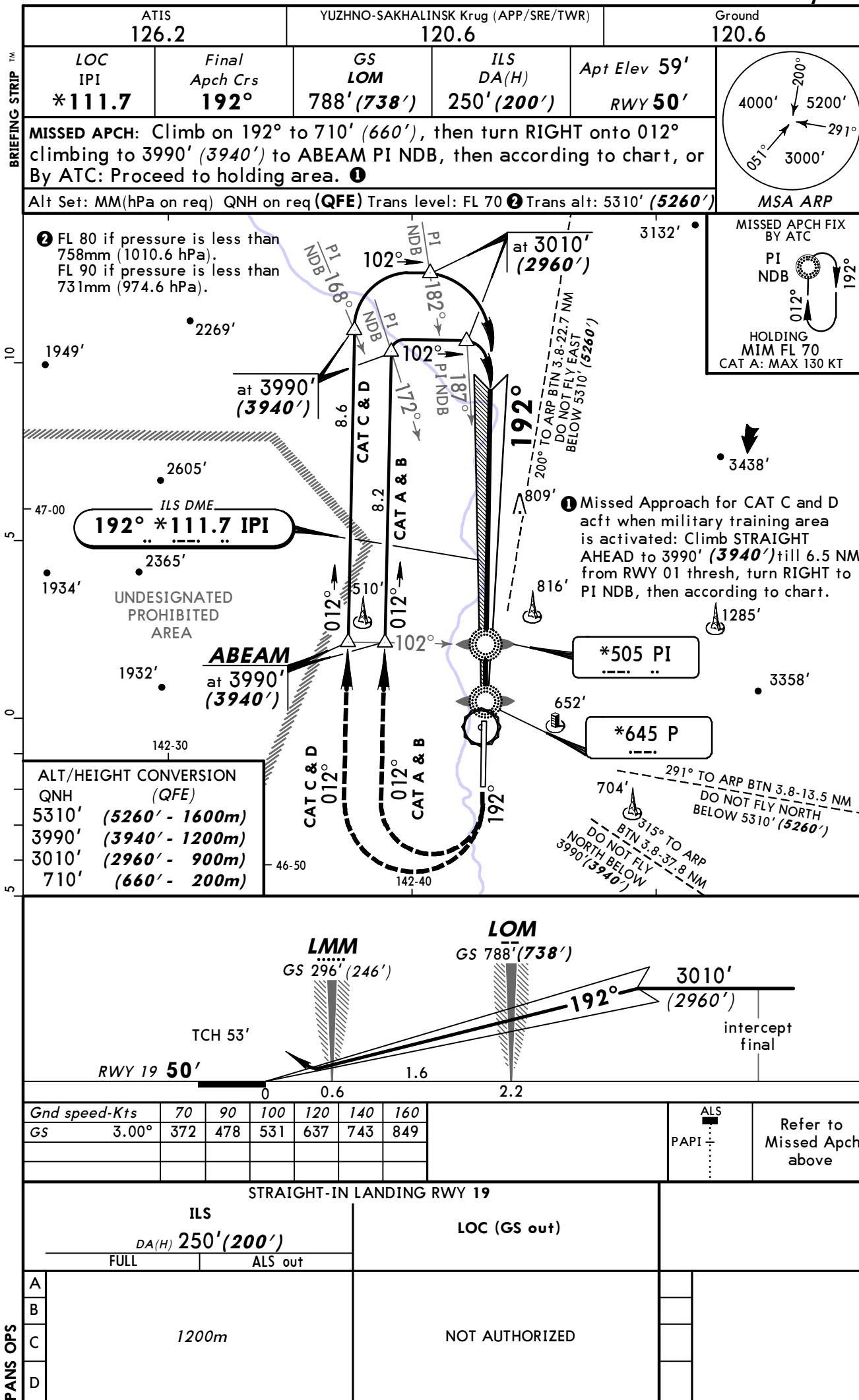
STRAIGHT-IN RWY		A	B	C	D
01	ILS	245'(200') R1000m	245'(200') R1000m	245'(200') R1000m	245'(200') R1000m
	ALS out	R1200m	R1200m	R1200m	R1200m
	LOC	NOT AUTH	NOT AUTH	NOT AUTH	NOT AUTH
	2 NDB ① with FAF ALS out	370'(325') R1300m R1500m	370'(325') R1300m R1500m	370'(325') R1300m R1500m	370'(325') R1300m R1500m
	2 NDB ① w/o FAF ALS out	1110'(1065') C4600m C4900m	1110'(1065') C4600m C4900m	1110'(1065') C4600m C4900m	1110'(1065') C4600m C4900m
	NDB SL ① with FAF	920'(875') R1500m	920'(875') R1500m	920'(875') C2400m	920'(875') C2400m
	NDB S ① with FAF ALS out	560'(515') R1500m R1500m	560'(515') R1500m R1500m	560'(515') C2100m C2400m	560'(515') C2100m C2400m
	NDB w/o FAF ALS out	1110'(1065') C4800m C5000m	1110'(1065') C4800m C5000m	1110'(1065') C5000m C5000m	1110'(1065') C5000m C5000m
19	ILS	250'(200') R1000m	250'(200') R1000m	250'(200') R1000m	250'(200') R1000m
	ALS out	R1200m	R1200m	R1200m	R1200m
	LOC	NOT AUTH	NOT AUTH	NOT AUTH	NOT AUTH
	2 NDB ① with FAF ALS out	420'(370') R1500m R1500m	420'(370') R1500m R1500m	420'(370') R1500m R1700m	420'(370') R1500m R1700m
	2 NDB w/o FAF	2110'(2060') C5000m	2110'(2060') C5000m	2110'(2060') C5000m	2110'(2060') C5000m
	NDB PI ① with FAF	1150'(1100') R1500m	1150'(1100') R1500m	1150'(1100') C2400m	1150'(1100') C2400m
	NDB PI w/o FAF	2110'(2060') C5000m	2110'(2060') C5000m	2110'(2060') C5000m	2110'(2060') C5000m
	NDB P ① with FAF	1280'(1230') C5000m	1280'(1230') C5000m	1280'(1230') C5000m	1280'(1230') C5000m
	NDB P w/o FAF	2120'(2070') C5000m	2120'(2070') C5000m	2120'(2070') C5000m	2120'(2070') C5000m

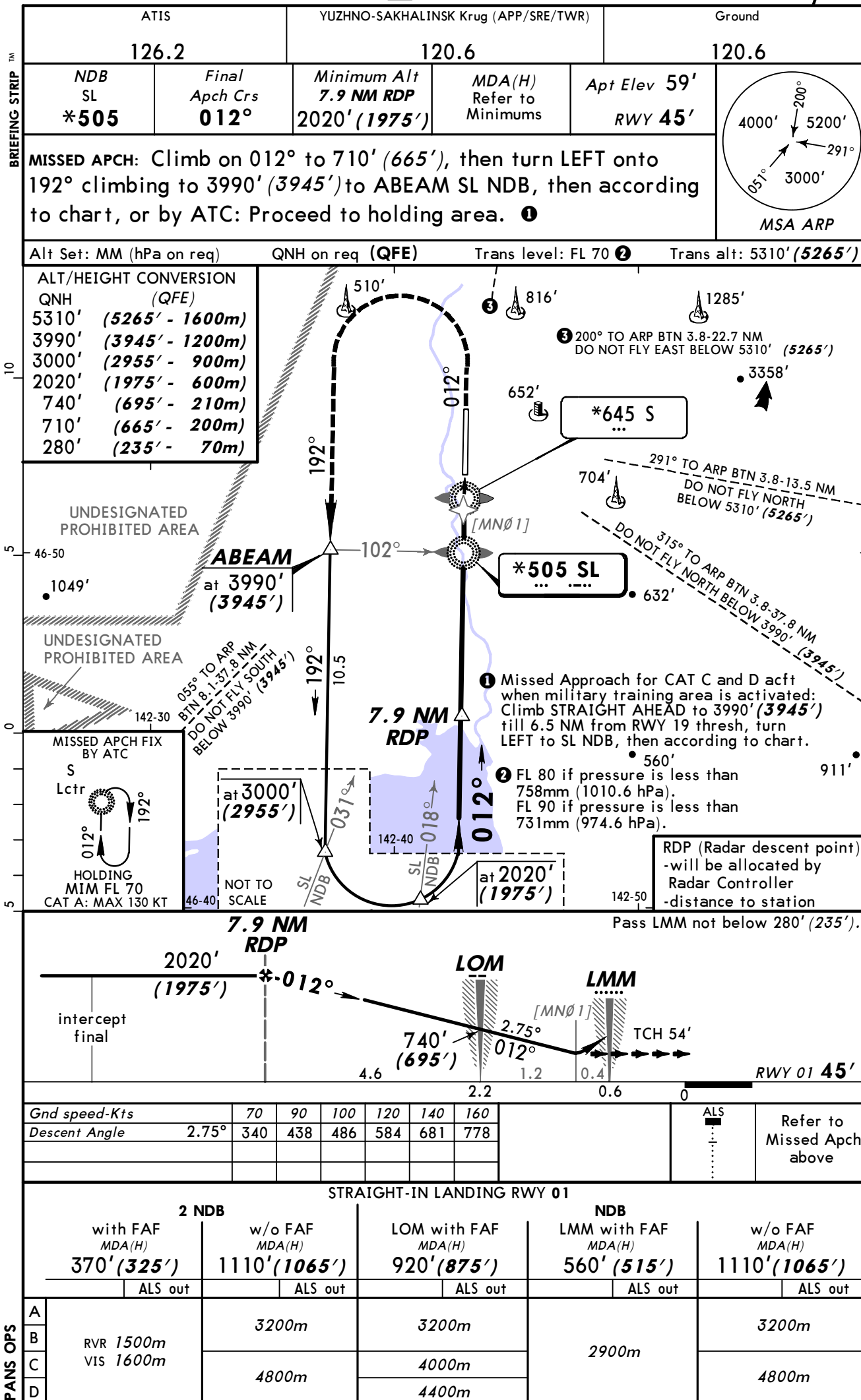
① Continuous Descent Final Approach.

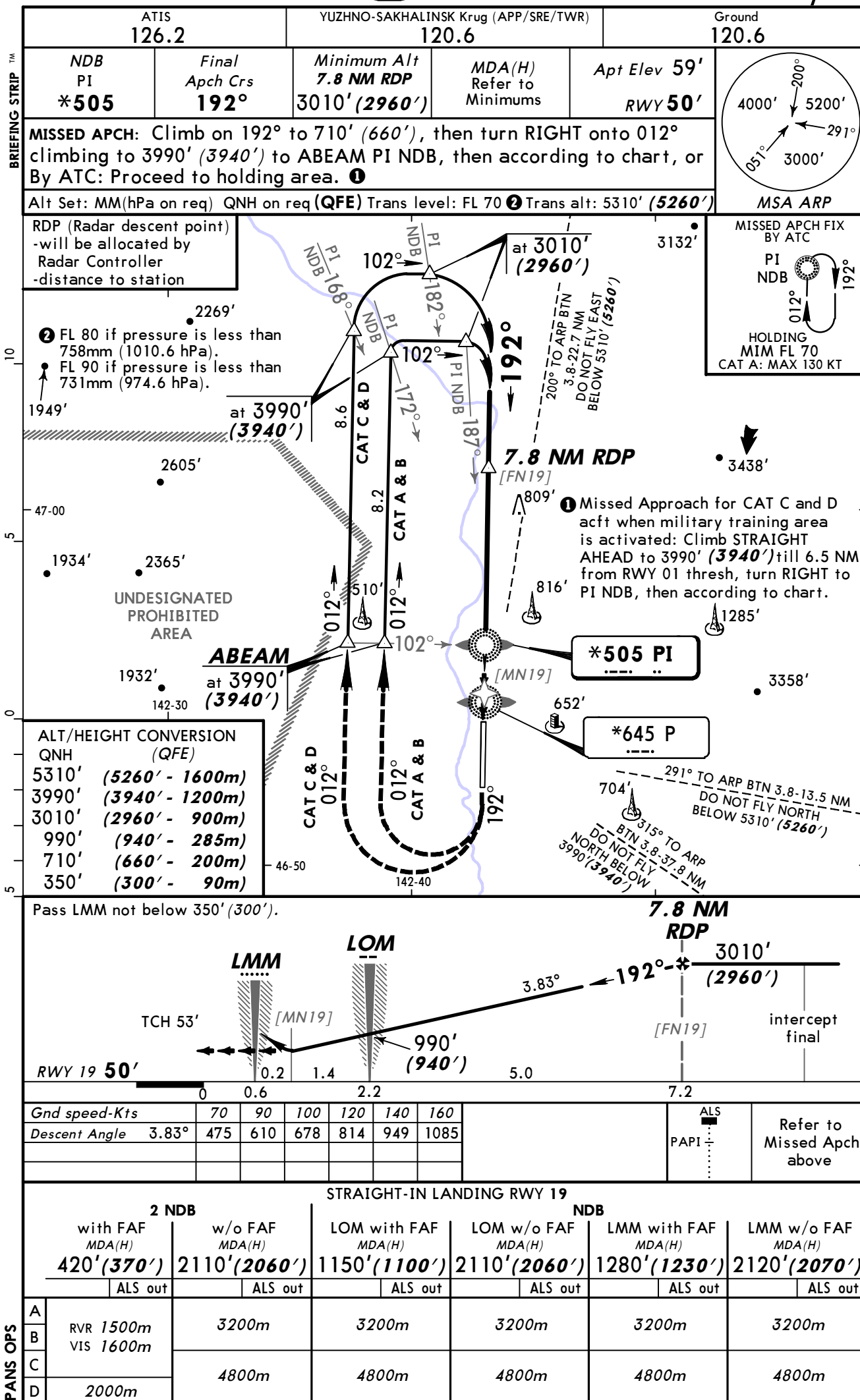
TAKE-OFF RWY 01, 19

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		









YUZHNO-SAKHALINSK, (KHOMUTOVO - UHSS)

TERMINAL CHART CHANGE NOTICES

No Chart Change Notices for Airport UHSS