

## List of pages in this Trip Kit

Trip Kit Index

Airport Information For UWKD

Terminal Charts For UWKD

Revision Letter For Cycle 25-2012

Change Notices

Notebook

General Information

Location: Kazan Rus  
IATA Code: KZN  
Lat/Long: N55° 36.4' E049° 16.8'  
Elevation: 414 ft

Airport Use: Public  
Magnetic Variation: 12.7°E

Fuel Types: Jet A-1  
Repair Types: Major Airframe, Major Engine  
Customs: Yes  
Airport Type: IFR  
Landing Fee: Yes  
Control Tower: Yes  
Jet Start Unit: No  
LLWS Alert: No  
Beacon: No

Sunrise: 0512 Z  
Sunset: 1219 Z,

Runway Information

Runway: 11L  
Length x Width: 12218 ft x 148 ft  
Surface Type: concrete  
TDZ-Elev: 349 ft  
Lighting: Edge, ALS, Centerline  
Displaced Threshold: 837 ft

Runway: 11R  
Length x Width: 8196 ft x 148 ft  
Surface Type: concrete  
TDZ-Elev: 371 ft

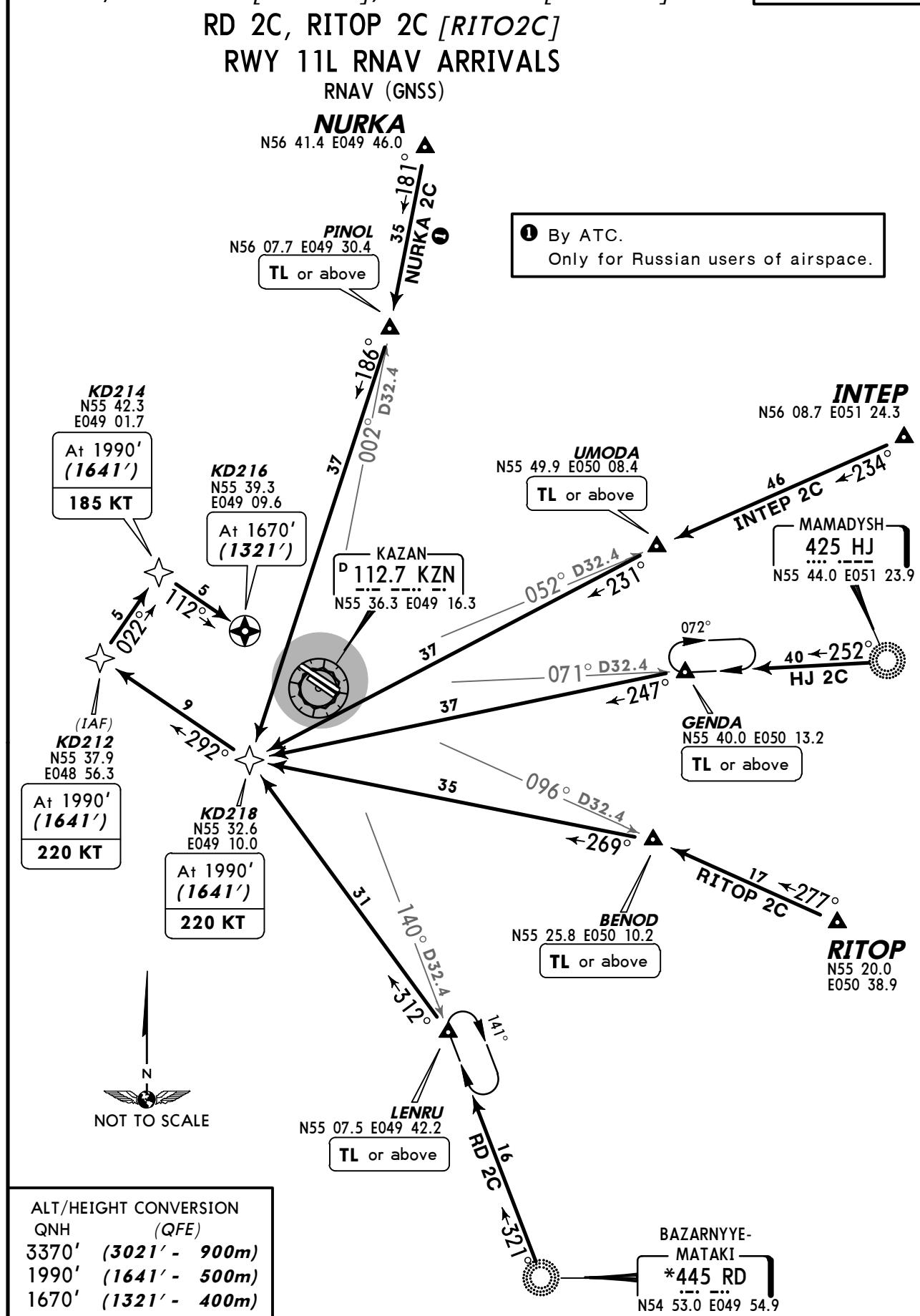
Runway: 29L  
Length x Width: 8196 ft x 148 ft  
Surface Type: concrete  
TDZ-Elev: 408 ft

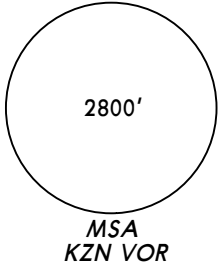
Runway: 29R  
Length x Width: 12218 ft x 148 ft  
Surface Type: concrete  
TDZ-Elev: 410 ft  
Lighting: Edge, ALS, Centerline, TDZ

**Communication Information**

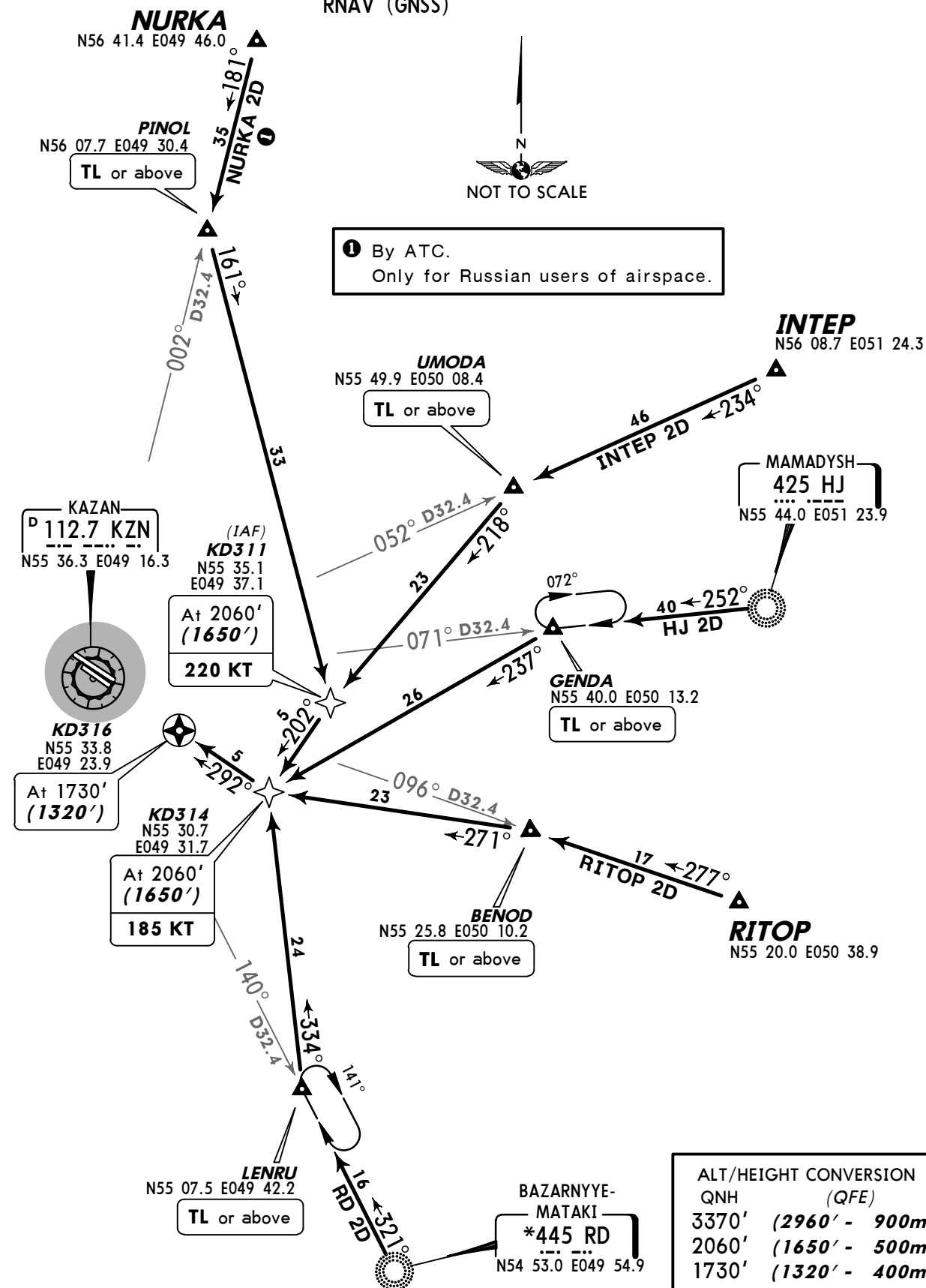
ATIS 126.8  
Kazan Tower 120.3  
Kazan Ground Control 121.7  
Kazan Radar 119.4 At or below 9800 ft

|                                 |                                                                                                                                                                                                                                                                                                                               |                                     |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| <p>ATIS<br/><b>126.8</b></p>    | <p>Alt Set: MM (hPa on request) QNH on request (<b>QFE</b>)<br/>Trans level: FL50<br/>FL60 if pressure is less than 749 mm (998.6 hPa) and 722 mm (962.6 hPa) or above<br/>FL70 if pressure is 721 mm (961.3 hPa) or less<br/>Trans alt: 3370' (<b>3021'</b>)<br/>WARNING: Turns shall be carried out with a bank of 25°.</p> | <p>2800'</p> <p>MSA<br/>KZN VOR</p> |
| <p>Apt Elev<br/><b>414'</b></p> | <p>HJ 2C, INTEP 2C [INTE2C], NURKA 2C [NURK2C] ①<br/>RD 2C, RITOP 2C [RITO2C]<br/>RWY 11L RNAV ARRIVALS<br/>RNAV (GNSS)</p>                                                                                                                                                                                                   |                                     |

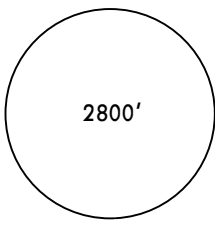


|                         |                                                                                                                                                                                                                                                                                                                       |                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| ATIS<br><b>126.8</b>    | Alt Set: MM (hPa on request) QNH on request ( <b>QFE</b> )<br>Trans level: FL50<br>FL60 if pressure is less than 749 mm (998.6 hPa) and 722 mm (962.6 hPa) or above<br>FL70 if pressure is 721 mm (961.3 hPa) or less<br>Trans alt: 3370' ( <b>2960'</b> )<br>WARNING: Turns shall be carried out with a bank of 25°. |  |
| Apt Elev<br><b>414'</b> |                                                                                                                                                                                                                                                                                                                       |                                                                                     |

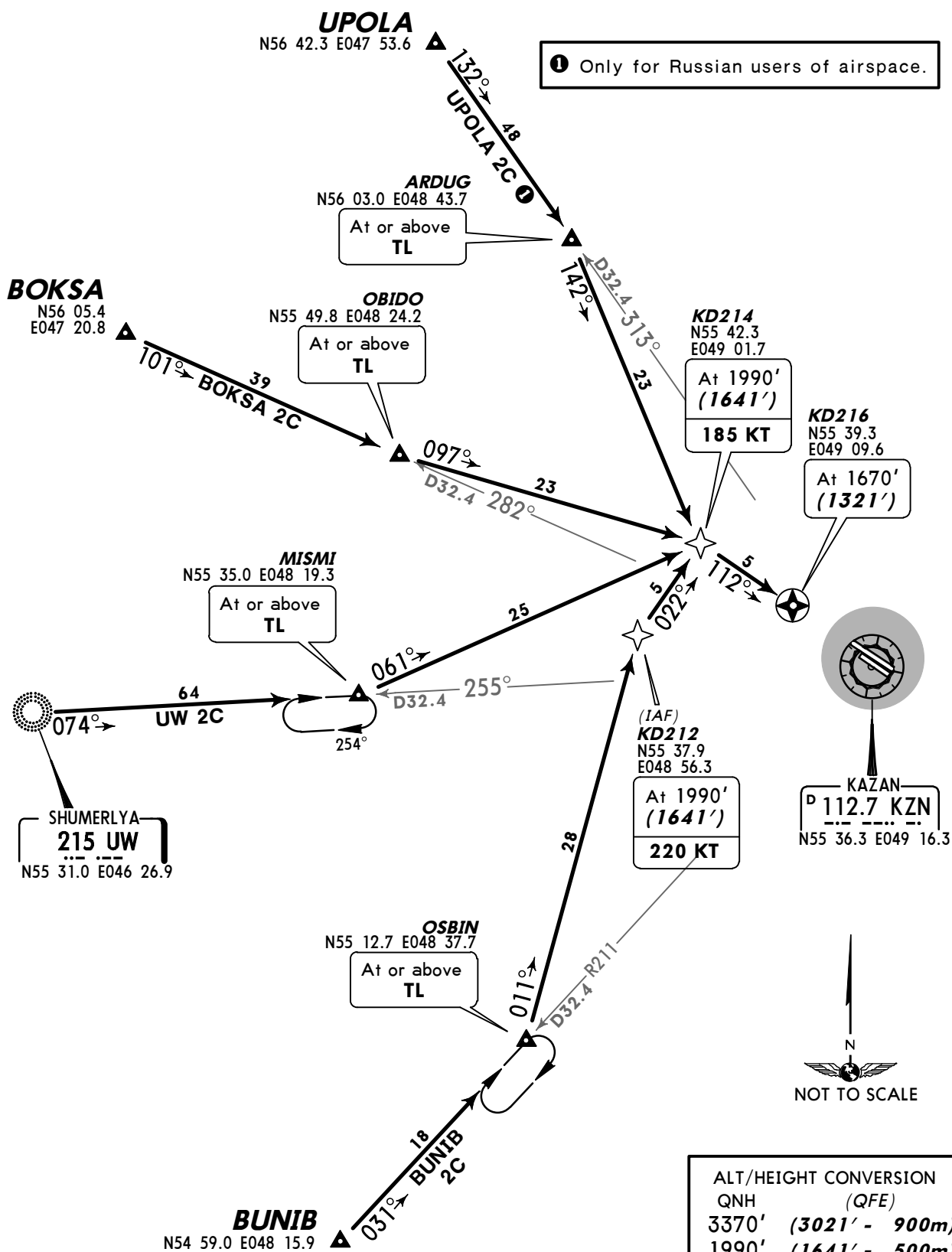
**HJ 2D, INTEP 2D [INTE2D], NURKA 2D [NURK2D] ①**  
**RD 2D, RITOP 2D [RITO2D]**  
**RWY 29R RNAV ARRIVALS**  
RNAV (GNSS)



| ALT/HEIGHT CONVERSION |                |
|-----------------------|----------------|
| QNH                   | (QFE)          |
| 3370'                 | (2960' - 900m) |
| 2060'                 | (1650' - 500m) |
| 1730'                 | (1320' - 400m) |

|                         |                                                                                                                                                                                                                                             |                                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| ATIS<br><b>126.8</b>    | Alt Set: MM (hPa on request) QNH on request (QFE)<br>Trans level: FL50<br>FL60 if pressure is less than 749 mm (998.6 hPa)<br>and 722 mm (962.6 hPa) or above<br>FL70 if pressure is 721 mm (961.3 hPa) or less<br>Trans alt: 3370' (3021') |  <p>2800'</p> <p>MSA<br/>KZN VOR</p> |
| Apt Elev<br><b>414'</b> | WARNING: Turns shall be carried out with a bank of 25°.                                                                                                                                                                                     |                                                                                                                         |

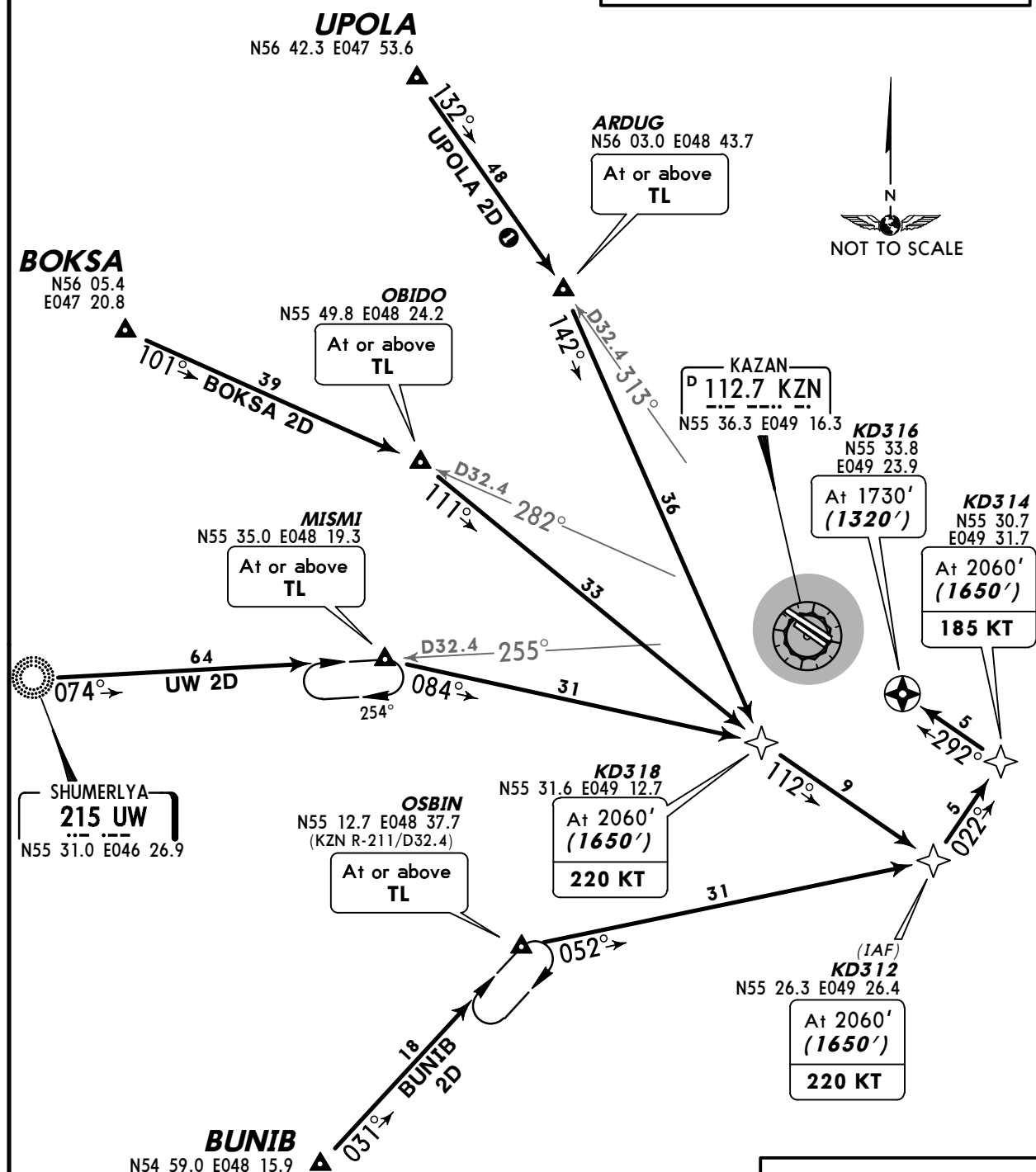
**BOKSA 2C [BOKS2C], BUNIB 2C [BUNI2C]  
UPOLA 2C [UPOL2C]①, UW 2C  
RWY 11L RNAV ARRIVALS  
RNAV (GNSS)**



|                                 |                                                                                                                                                                                                                                                                                                                     |                                     |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| <p>ATIS<br/><b>126.8</b></p>    | <p>Alt Set: MM (hPa on request) QNH on request (QFE)<br/>Trans level: FL50<br/>FL60 if pressure is less than 749 mm (998.6 hPa)<br/>and 722 mm (962.6 hPa) or above<br/>FL70 if pressure is 721 mm (961.3 hPa) or less<br/>Trans alt: 3370' (2960')<br/>WARNING: Turns shall be carried out with a bank of 25°.</p> | <p>2800'</p> <p>MSA<br/>KZN VOR</p> |
| <p>Apt Elev<br/><b>414'</b></p> |                                                                                                                                                                                                                                                                                                                     |                                     |

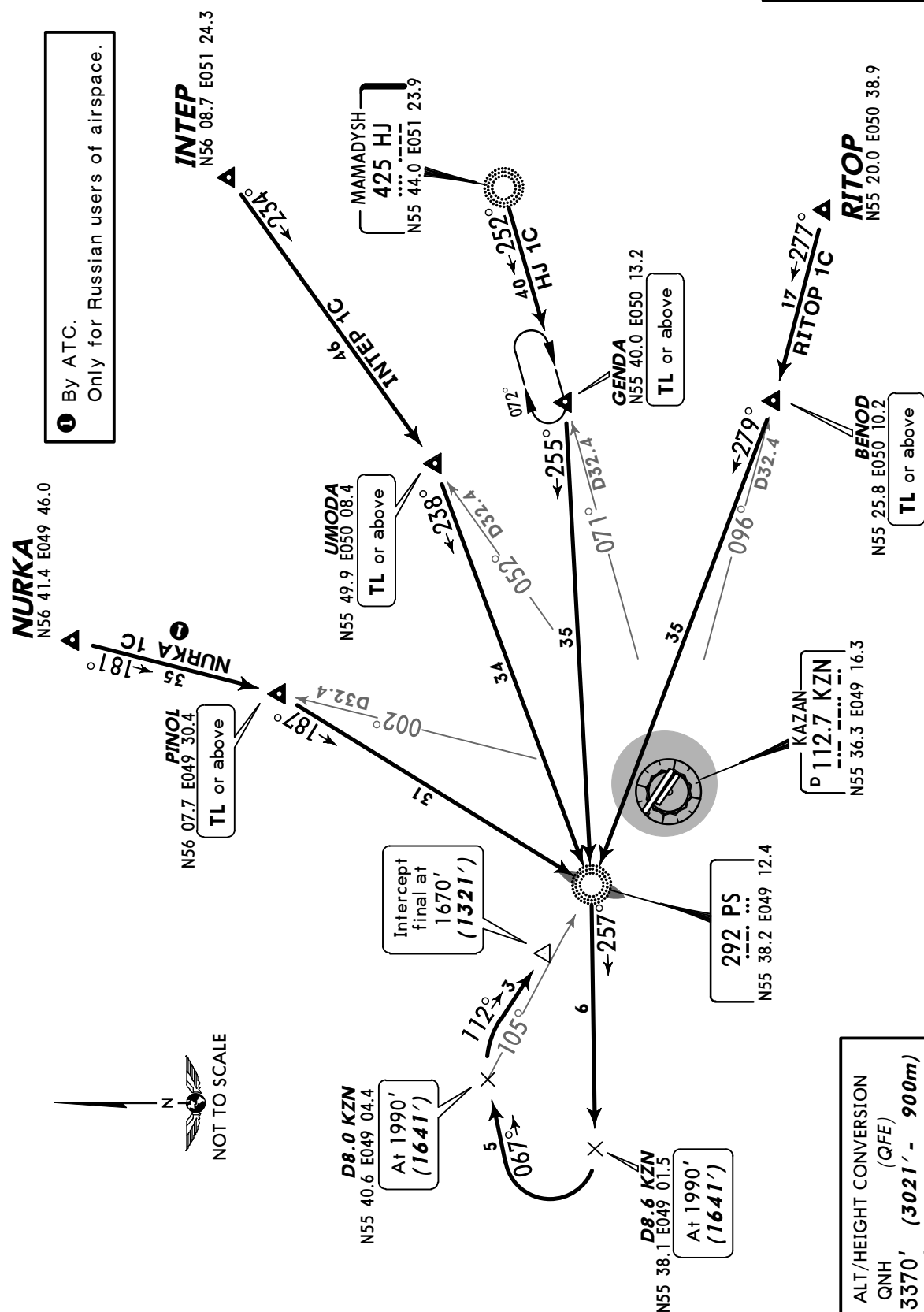
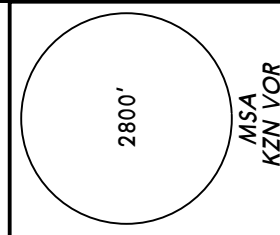
**BOKSA 2D [BOKS2D], BUNIB 2D [BUNI2D]  
UPOLA 2D [UPOL2D]①, UW 2D  
RWY 29R RNAV ARRIVALS  
RNAV (GNSS)**

① Only for Russian users of airspace.



|               |                  |                                                                                                                                                                                                                                             |
|---------------|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ATIS<br>126.8 | Apt Elev<br>414' | Alt Set: MM (hPa on request) QNH on request (QFE)<br>Trans level: FL50<br>FL60 if pressure is less than 749 mm (998.6 hPa)<br>and 722 mm (962.6 hPa) or above<br>FL70 if pressure is 721 mm (962.6 hPa) or less<br>Trans alt: 3370' (3021') |
|---------------|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

HJ 1C, INTEP 1C [INTE1C]  
NURKA 1C [NURK1C] ①  
RITOP 1C [RITO1C]  
RWY 11L ARRIVALS



Trans level: FLE50  
FL60 if pressure is less than 749 mm (998.6 hPa)  
and 722 mm (962.6 hPa) or above  
FL70 if pressure is 721 mm (961.3 hPa) or less  
Trans alt: 3370' (**2960'**)

MSA  
KZN VOR

N56 41.4 E049 46.0

① By ATC.  
Only for Russian users of airspace.

**PINOL**  
N56 07.7 E049 30.4  
TL or above

**ALT/HEIGHT CONVERSION**  
**QNH (QFE)**  
**3370' (2960' - 900m)**  
**2060' (1650' - 500m)**  
**1730' (1320' - 400m)**

N55 49.9 **UMODA** E050 08.4

TL or above

N56 08.7 E051 24.3

TL or above

KAZAN  
D 112.7 KZN  
N55 36.3 E049 16.3

Intercept  
final at  
1730'  
**(1320')**

292 DJ  
N55 34.7 E049 21.3

**D8.7 KZN**  
N55 29.1 E049 24.8

At 2060'  
(1650')

**D8.2 KZN**  
N55 31.5 E049 27.9  
(KZN R-115)  
(299° brg to DJ)

At 2060'  
(1650')

**TL** or above

**GENDA**  
N55 40.0 E050 13.2  
TL or above

MAMADYSH  
425 HJ  
... ..  
N55 44.0 E051 23.9

N55 44.0 E051 23.9

**GENDA**  
N55 40.0 E050 13.2

**TL** or above

**GENDA**  
N55 40.0 E050 13.2

**TL** or above

**RITOP**  
N55 20.0 E050 38.9

**2**  
**D7.3 KZN**  
N55 32.5 E049 27.3  
(KZN R-110)

At 2060'  
(1650')

**3**  
**D8.2 KZN**  
N55 32.5 E049 29.0  
(KZN R-107)  
(286° brg to DJ)

At 2060'  
(1650')

**4**  
**D9.8 KZN**  
N55 32.9 E049 32.6  
(KZN R-099)  
(274° brg to DJ)

At 2060'  
(1650')

**5**  
**D10.1 KZN**  
N55 33.1 E049 33.2  
(KZN R-097)  
(272° brg to DJ)

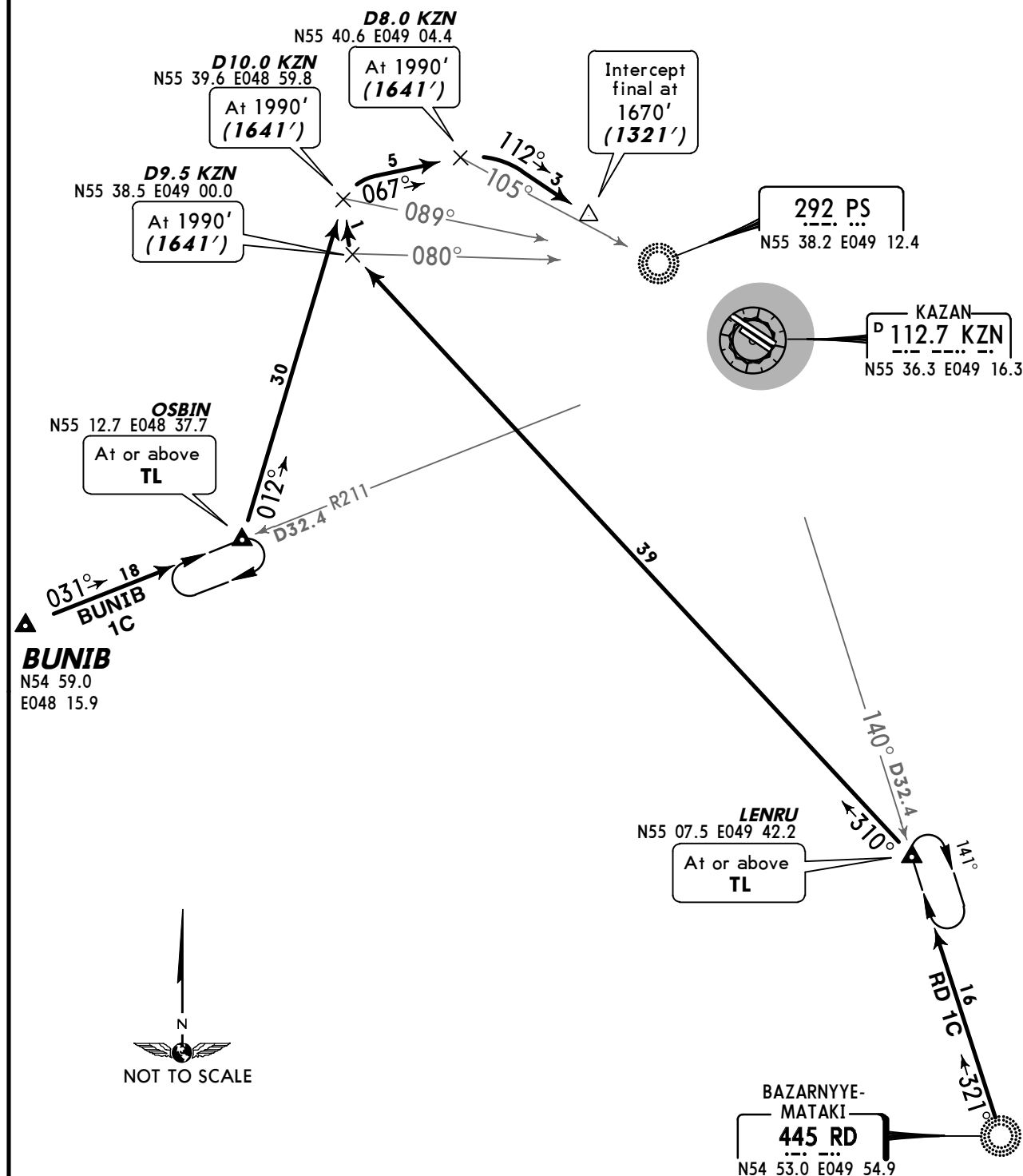
At 2060  
(1650')

**6**  
**D10.3 KZN**  
N55 34.0 E049 33.9  
(KZN R-092)  
(264° brg to DJ)

At 2060  
(1650')

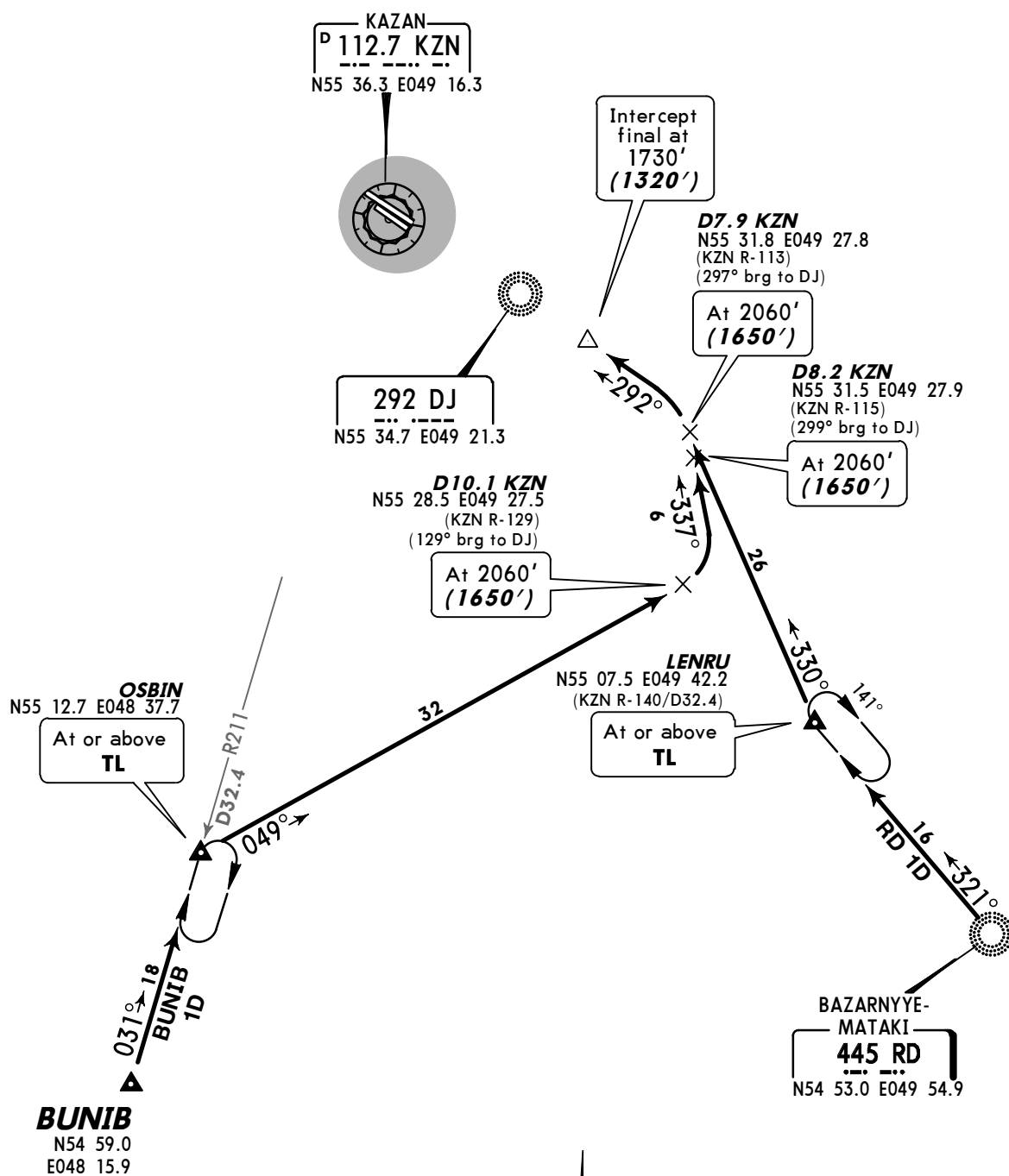
|                         |                                                                                                                                                                                                                                                               |                         |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| ATIS<br><b>126.8</b>    | Alt Set: MM (hPa on request) QNH on request ( <b>QFE</b> )<br>Trans level: FL50<br>FL60 if pressure is less than 749 mm (998.6 hPa)<br>and 722 mm (962.6 hPa) or above<br>FL70 if pressure is 721 mm (961.3 hPa) or less<br>Trans alt: 3370' ( <b>3021'</b> ) | 2800'<br>MSA<br>KZN VOR |
| Apt Elev<br><b>414'</b> |                                                                                                                                                                                                                                                               |                         |

**BUNIB 1C [BUNI1C], RD 1C  
RWY 11L ARRIVALS**



| ALT/HEIGHT CONVERSION |                |
|-----------------------|----------------|
| QNH                   | (QFE)          |
| 3370'                 | (3021' - 900m) |
| 1990'                 | (1641' - 500m) |
| 1670'                 | (1321' - 400m) |

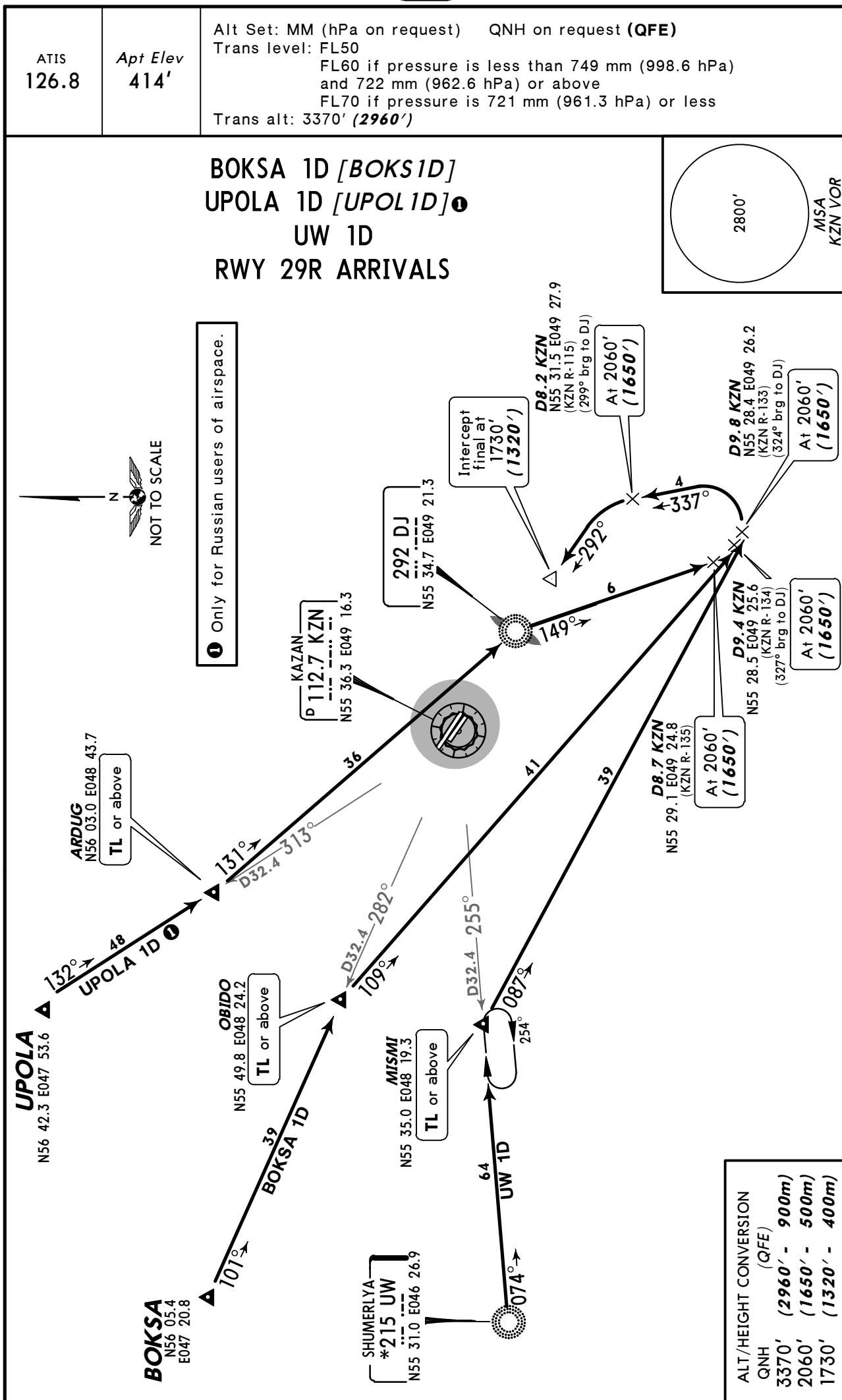
**BUNIB 1D [BUNI1D], RD 1D  
RWY 29R ARRIVALS**



ALT/HEIGHT CONVERSION  
QNH (QFE)

|       |                |
|-------|----------------|
| 3370' | (2960' - 900m) |
| 2060' | (1650' - 500m) |
| 1730' | (1320' - 400m) |

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Apt Elev  
414'

QNH on request (QFE)

Trans level: FL50

FL60 if pressure is less than 749 mm (998.6 hPa)  
and 722 mm (962.6 hPa) or above

FL70 if pressure 721 mm (961.3 hPa) or less

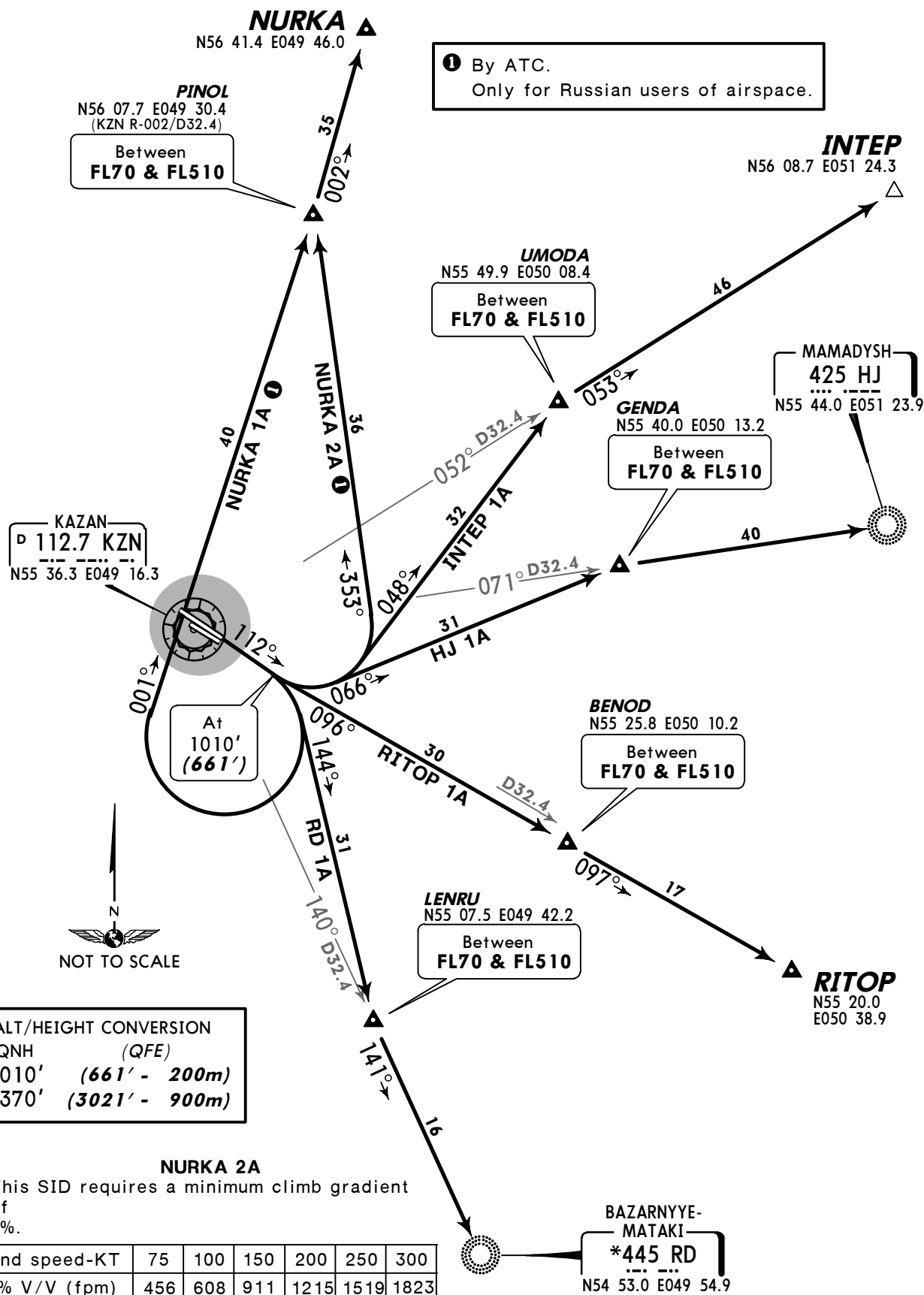
Trans alt: 3370' (3021')

FL by ATC

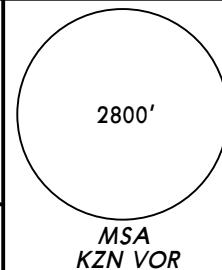
2800'

MSA  
KZN VOR

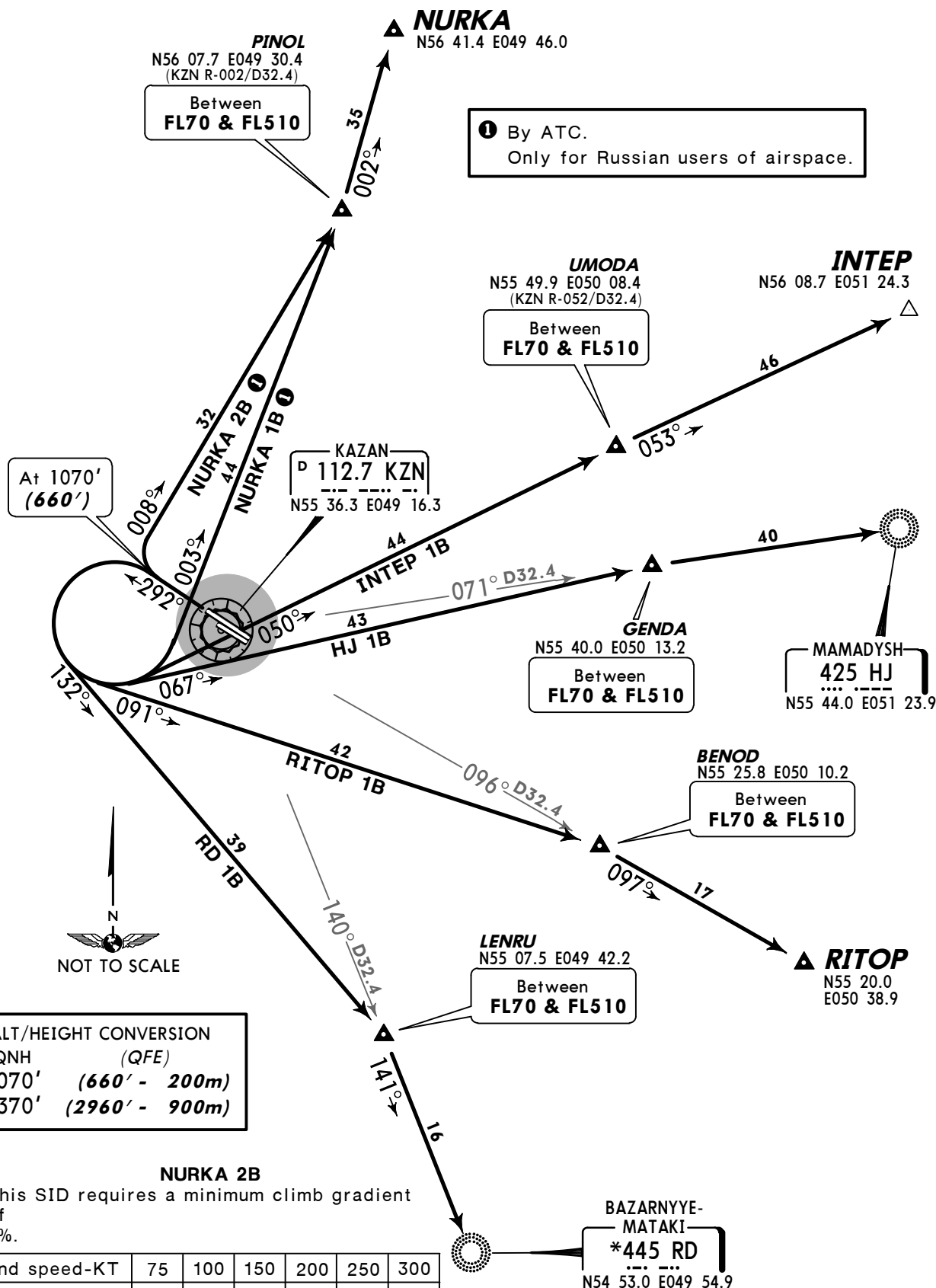
HJ 1A, INTER 1A [INTE1A], NURKA 1A [NURK1A] ①  
NURKA 2A [NURK2A] ①, RD 1A, RITOP 1A [RITO1A]  
RWY 11L DEPARTURES



QNH on request (QFE)  
Trans level: FL50  
Apt Elev 414'  
FL60 if pressure is less than 749 mm (998.6 hPa)  
and 722 mm (962.6 hPa) or above  
FL70 if pressure 721 mm (961.3 hPa) or less  
Trans alt: 3370' (2960')  
FL by ATC



HJ 1B, INTER 1B [INTE1B], NURKA 1B [NURK1B] ①  
NURKA 2B [NURK2B] ①, RD 1B, RITOP 1B [RITO1B]  
RWY 29R DEPARTURES



Apt Elev  
414'

QNH on request (QFE)

Trans level: FL50

FL60 if pressure is less than 749 mm (998.6 hPa)  
and 722 mm (962.6 hPa) or above

FL70 if pressure 721 mm (961.3 hPa) or less

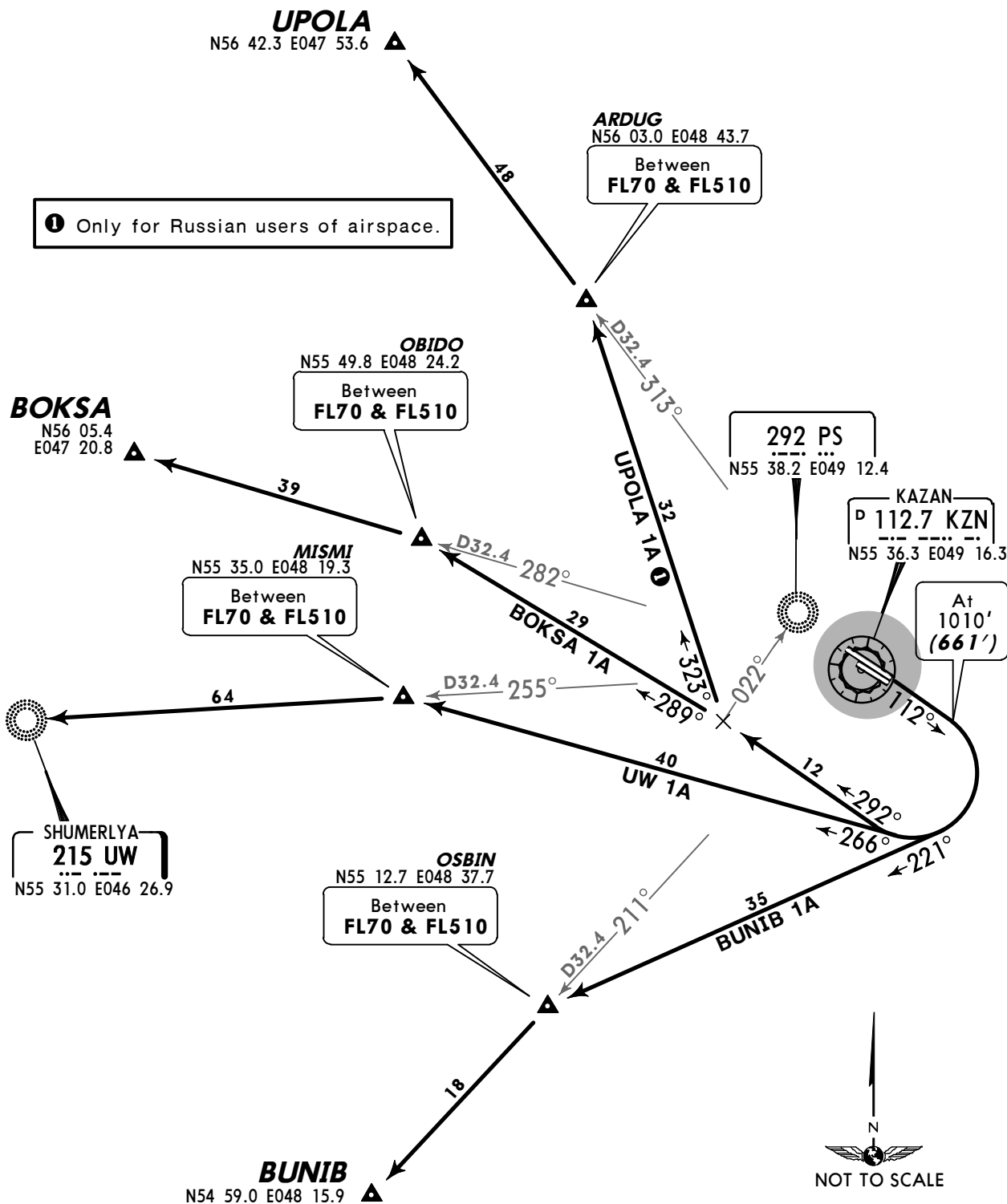
Trans alt: 3370' (3021')

FL by ATC

2800'

MSA  
KZN VOR

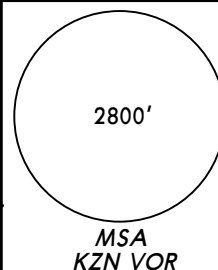
**BOKSA 1A [BOKS1A], BUNIB 1A [BUNI1A]  
UPOLA 1A [UPOL1A] ①, UW 1A  
RWY 11L DEPARTURES**



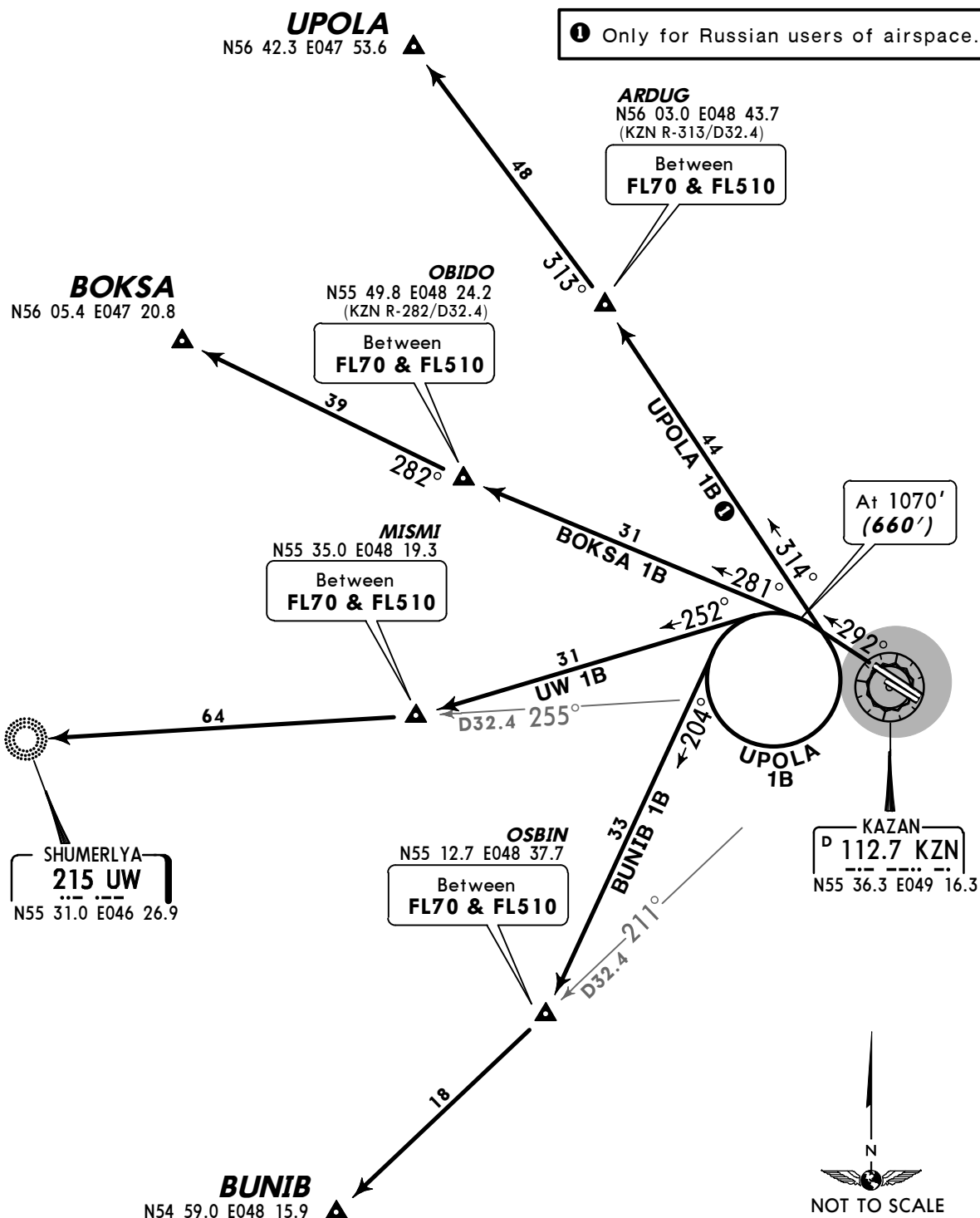
| ALT/HEIGHT CONVERSION |                |
|-----------------------|----------------|
| QNH                   | (QFE)          |
| 1010'                 | (661' - 200m)  |
| 3370'                 | (3021' - 900m) |

Apt Elev  
414'

QNH on request (QFE)  
Trans level: FL50  
FL60 if pressure is less than 749 mm (998.6 hPa)  
and 722 mm (962.6 hPa) or above  
FL70 if pressure 721 mm (961.3 hPa) or less  
Trans alt: 3370' (2960')  
FL by ATC



**BOKSA 1B [BOKS1B], BUNIB 1B [BUNI1B]  
UPOLA 1B [UPOL1B] ①, UW 1B  
RWY 29R DEPARTURES**



| ALT/HEIGHT CONVERSION |                |
|-----------------------|----------------|
| QNH                   | (QFE)          |
| 1070'                 | (660' - 200m)  |
| 3370'                 | (2960' - 900m) |

## NOISE ABATEMENT

### GENERAL

Noise abatement procedures shall not be executed at the expense of reduction of flight safety.

### DEPARTURES

Special take-off procedures for the purpose of noise abatement when passing above terrain arid conditioned and environmentally protected shall be executed by crews of all aircraft:

#### TAKE-OFF AND CLIMBING PHASE RUNWAYS 29L/R

|                                                  |                                                                                                                                                                                        |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Take-off to 1900' (1486'-450m)                   | Take-off power<br>take-off flaps<br>climb at $V_2 + 10-20$ KT<br>at 1080' (666'-200m) turn with 25° bank                                                                               |
| At 1900' (1486'-450m)                            | reduce engine power to rated power<br>under keeping of positive rate of climb                                                                                                          |
| From 1900' (1486'-450m)<br>to 3370' (2956'-900m) | climb at $V_2 + 10-20$ KT                                                                                                                                                              |
| At 3370' (2956'-900m)                            | accelerate to speed of wing devices<br>retraction<br>retract wing devices<br>further climb (reaching FL) shall be<br>executed at a speed recommended<br>by the Airplane Flight Manual. |

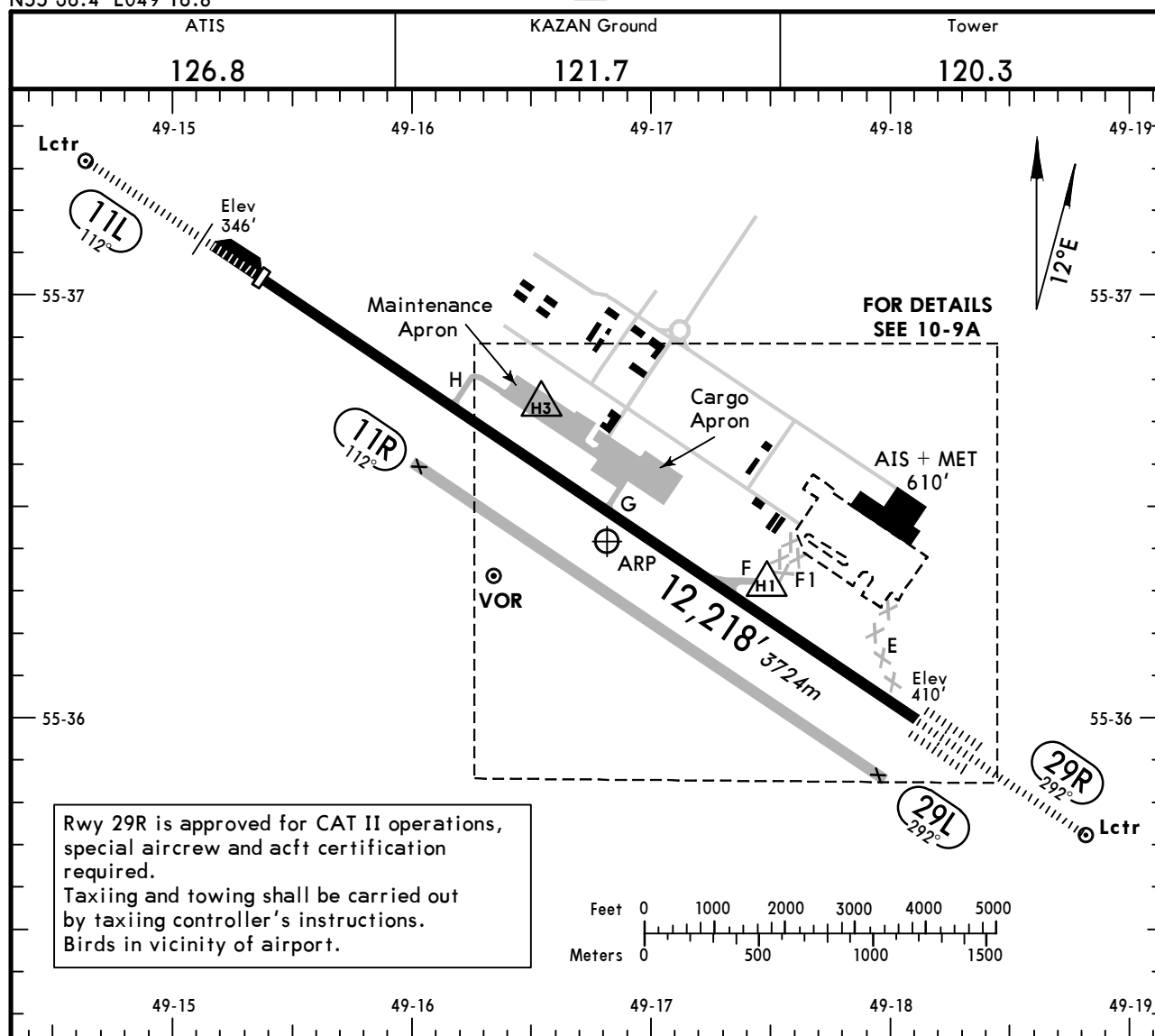
Noise abatement procedure during take-off shall not be carried out in cases of:

- wind shear
- moderate bumpiness
- icing
- one of the aircraft engines failure during take-off phase.

UWKD/KZN  
Apt Elev 414'  
N55 36.4 E049 16.8

JEPPESEN  
22 JUN 12 10-9 Eff 28 Jun

KAZAN, RUSSIA  
KAZAN



#### ADDITIONAL RUNWAY INFORMATION

|     |                                             | USABLE LENGTHS |               | TAKE-OFF | WIDTH |
|-----|---------------------------------------------|----------------|---------------|----------|-------|
|     |                                             | Threshold      | Glide Slope   |          |       |
| 11L | HIRL(60m) CL(15m) HIALS PAPI-L(3.0°)        | 11,381' 3469m  | 10,591' 3228m | 1        | 148'  |
| 29R | HIRL(60m) CL(15m) HIALS-II TDZ PAPI-L(3.0°) |                | 11,246' 3428m |          | 45m   |
| 11R | Runway under reconstruction                 |                |               |          |       |
| 29L |                                             |                |               |          |       |
|     |                                             |                |               |          |       |

#### 1 TAKE-OFF RUN AVAILABLE

##### RWY 11L:

First 837'/255m unusable for take-off.

From displ thresh 11,381'(3469m)  
twy H int 8091'(2466m)  
twy G int 5427'(1654m)  
twy F int 3596'(1096m)

##### RWY 29R:

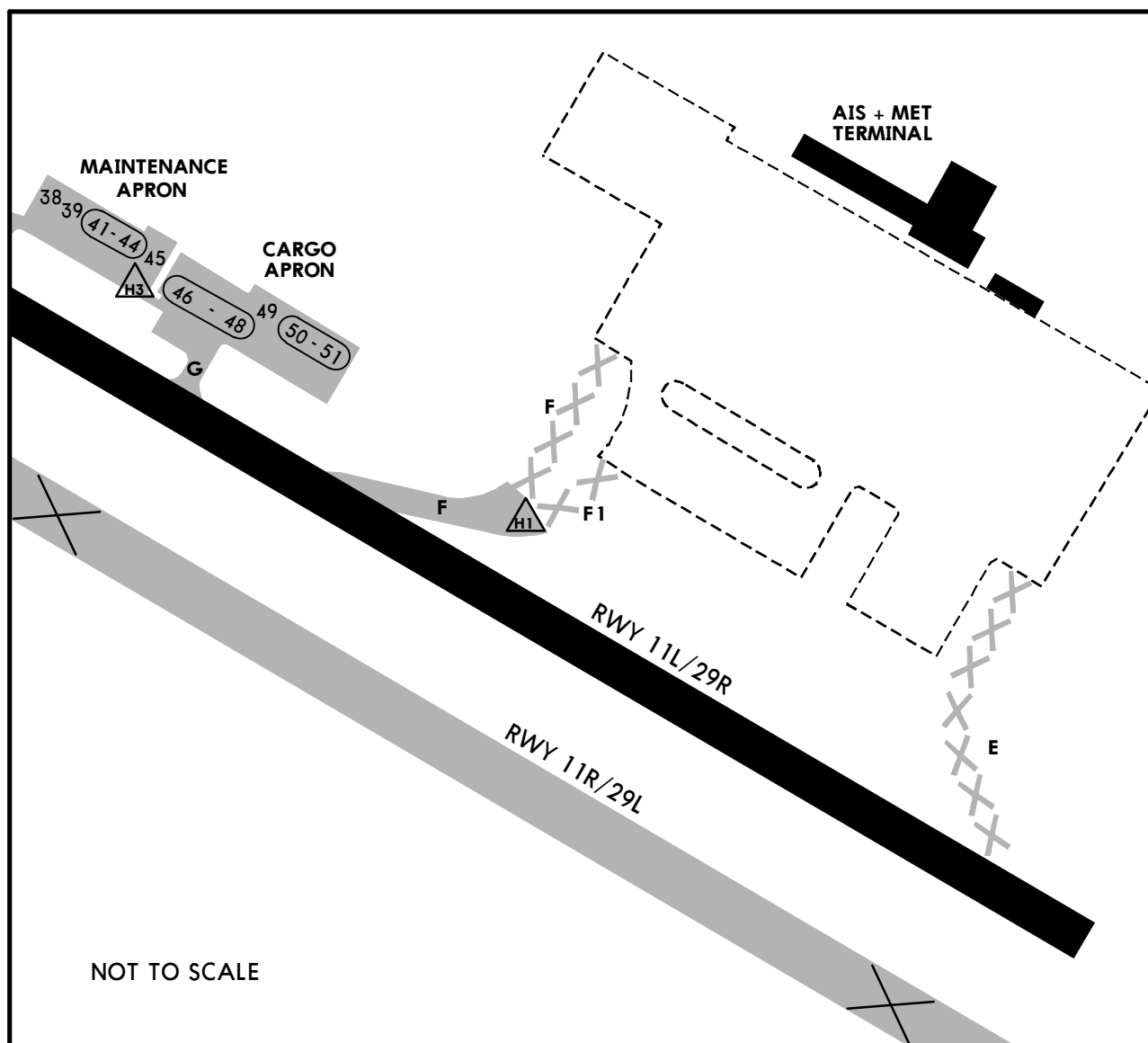
From rwy head 12,218'(3724m)  
twy F int 8655'(2638m)  
twy G int 6791'(2070m)  
twy H int 4127'(1258m)

#### TAKE-OFF

AIR CARRIER (JAA)  
Main rwy 11L/29R

LVP must be in force

|   | RL & CL     | RCLM (DAY only)<br>or RL | RCLM (DAY only)<br>or RL |
|---|-------------|--------------------------|--------------------------|
| A |             |                          |                          |
| B | 200m (150m) | 250m                     | 400m                     |
| C |             |                          |                          |
| D | 250m (200m) | 300m                     |                          |



## INS COORDINATES

| STAND No.  | COORDINATES        |
|------------|--------------------|
| 38, 39     | N55 36.8 E049 16.5 |
| 41         | N55 36.8 E049 16.6 |
| 42         | N55 36.7 E049 16.6 |
| 43 thru 45 | N55 36.7 E049 16.7 |
| 46         | N55 36.6 E049 16.8 |
| 47, 48     | N55 36.6 E049 16.9 |
| 49, 50     | N55 36.6 E049 17.0 |
| 51         | N55 36.5 E049 17.1 |

Use of stands 38 thru 44 and 46 thru 48 by towing.  
Stand 44 available for helicopters.

| STRAIGHT-IN RWY |                | A                   | B                   | C                   | D                   |
|-----------------|----------------|---------------------|---------------------|---------------------|---------------------|
| 11L             | ILS            | <b>549'</b> (200')  | <b>549'</b> (200')  | <b>549'</b> (200')  | <b>549'</b> (200')  |
|                 | <i>FULL</i>    | <b>R550m</b>        | <b>R550m</b>        | <b>R550m</b>        | <b>R550m</b>        |
|                 | <i>Limited</i> | R750m               | R750m               | R750m               | R750m               |
|                 | <i>ALS out</i> | R1200m              | R1200m              | R1200m              | R1200m              |
|                 | LOC            | NOT AUTH            | NOT AUTH            | NOT AUTH            | NOT AUTH            |
| 29R             | RNAV ①         | <b>720'</b> (371')  | <b>720'</b> (371')  | <b>720'</b> (371')  | <b>720'</b> (371')  |
|                 | <i>ALS out</i> | <b>R1000m</b>       | <b>R1000m</b>       | <b>R1000m</b>       | <b>R1000m</b>       |
|                 |                | R1500m              | R1500m              | R1700m              | R1700m              |
|                 | NDB ①          | <b>680'</b> (331')  | <b>680'</b> (331')  | <b>680'</b> (331')  | <b>680'</b> (331')  |
|                 | <i>ALS out</i> | <b>R800m</b>        | <b>R800m</b>        | <b>R800m</b>        | <b>R800m</b>        |
|                 |                | R1500m              | R1500m              | R1500m              | R1500m              |
| 29R             | CAT 2 ILS      | <b>510'</b> (100')  | <b>510'</b> (100')  | <b>510'</b> (100')  | <b>510'</b> (100')  |
|                 |                | <b>RA113' R350m</b> | <b>RA113' R350m</b> | <b>RA113' R350m</b> | <b>RA113' R350m</b> |
|                 | ILS            | <b>610'</b> (200')  | <b>610'</b> (200')  | <b>610'</b> (200')  | <b>610'</b> (200')  |
|                 | <i>FULL</i>    | <b>R550m</b>        | <b>R550m</b>        | <b>R550m</b>        | <b>R550m</b>        |
|                 | <i>Limited</i> | R750m               | R750m               | R750m               | R750m               |
| 29R             | <i>ALS out</i> | R1200m              | R1200m              | R1200m              | R1200m              |
|                 | LOC            | NOT AUTH            | NOT AUTH            | NOT AUTH            | NOT AUTH            |
|                 | RNAV ①         | <b>860'</b> (450')  | <b>860'</b> (450')  | <b>860'</b> (450')  | <b>860'</b> (450')  |
|                 | <i>ALS out</i> | <b>R1400</b>        | <b>R1400</b>        | <b>R1400</b>        | <b>R1400</b>        |
|                 |                | R1500m              | R1500m              | C2100m              | C2100m              |
| 29R             | NDB ①          | <b>860'</b> (450')  | <b>860'</b> (450')  | <b>860'</b> (450')  | <b>860'</b> (450')  |
|                 | <i>ALS out</i> | <b>R1400</b>        | <b>R1400</b>        | <b>R1400</b>        | <b>R1400</b>        |
|                 |                | R1500m              | R1500m              | C2100m              | C2100m              |

① Continuous Descent Final Approach.

### TAKE-OFF RWY 11L, 29R

|   | Approved Operators<br>HIRL, CL<br>& mult. RVR req | LVP must be in Force      |         |                          | RCLM (DAY only)<br>or RL | NIL<br>(DAY only) |
|---|---------------------------------------------------|---------------------------|---------|--------------------------|--------------------------|-------------------|
|   |                                                   | RL, CL<br>& mult. RVR req | RL & CL | RCLM (DAY only)<br>or RL |                          |                   |
| A |                                                   |                           |         |                          |                          |                   |
| B | 125m                                              | 150m                      | 200m    | 250m                     | 400m                     | 500m              |
| C |                                                   |                           |         |                          |                          |                   |
| D | 150m                                              | 200m                      | 250m    | 300m                     |                          |                   |

| STRAIGHT-IN RWY |                | A                    | B                    | C                    | D                    |
|-----------------|----------------|----------------------|----------------------|----------------------|----------------------|
| 11L             | ILS            | <b>549'</b> (200')   | <b>549'</b> (200')   | <b>549'</b> (200')   | <b>549'</b> (200')   |
|                 |                | <b>R550m</b>         | <b>R550m</b>         | <b>R550m</b>         | <b>R550m</b>         |
|                 | <i>ALS out</i> | R1000m               | R1000m               | R1000m               | R1000m               |
|                 | LOC            | NOT<br>AUTHORIZED    |                      |                      |                      |
|                 | RNAV           | <b>720'</b> (371')   | <b>720'</b> (371')   | <b>720'</b> (371')   | <b>720'</b> (371')   |
|                 |                | <b>R900m</b>         | <b>R1000m</b>        | <b>R1000m</b>        | <b>R1400m</b>        |
| 29R             | <i>ALS out</i> | R1500m               | R1500m               | R1800m               | R2000m               |
|                 | NDB            | <b>680'</b> (331')   | <b>680'</b> (331')   | <b>680'</b> (331')   | <b>680'</b> (331')   |
|                 |                | <b>R900m</b>         | <b>R1000m</b>        | <b>R1000m</b>        | <b>R1400m</b>        |
|                 | <i>ALS out</i> | R1500m               | R1500m               | R1800m               | R2000m               |
|                 | CAT 2 ILS      | <b>510'</b> (100')   | <b>510'</b> (100')   | <b>510'</b> (100')   | <b>510'</b> (100')   |
|                 |                | <b>RA 113' R350m</b> | <b>RA 113' R350m</b> | <b>RA 113' R350m</b> | <b>RA 113' R350m</b> |
|                 | ILS            | <b>610'</b> (200')   | <b>610'</b> (200')   | <b>610'</b> (200')   | <b>610'</b> (200')   |
|                 |                | <b>R550m</b>         | <b>R550m</b>         | <b>R550m</b>         | <b>R550m</b>         |
|                 | <i>ALS out</i> | R1000m               | R1000m               | R1000m               | R1000m               |
|                 | LOC            | NOT<br>AUTHORIZED    |                      |                      |                      |
|                 | RNAV           | <b>860'</b> (450')   | <b>860'</b> (450')   | <b>860'</b> (450')   | <b>860'</b> (450')   |
|                 |                | <b>R1000m</b>        | <b>R1200m</b>        | <b>R1200m</b>        | <b>R1600m</b>        |
|                 | <i>ALS out</i> | R1500m               | R1500m               | R2000m               | R2000m               |
|                 | NDB            | <b>860'</b> (450')   | <b>860'</b> (450')   | <b>860'</b> (450')   | <b>860'</b> (450')   |
|                 |                | <b>R1000m</b>        | <b>R1200m</b>        | <b>R1200m</b>        | <b>R1600m</b>        |
|                 | <i>ALS out</i> | R1500m               | R1500m               | R2000m               | R2000m               |

**TAKE-OFF RWY 11L**

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

**TAKE-OFF RWY 29R**

| LVP must be in force                              |                           |         |                          |                          |                   |
|---------------------------------------------------|---------------------------|---------|--------------------------|--------------------------|-------------------|
| Approved Operators<br>HIRL, CL<br>& mult. RVR req | RL, CL<br>& mult. RVR req | RL & CL | RCLM (DAY only)<br>or RL | RCLM (DAY only)<br>or RL | NIL<br>(DAY only) |
| A                                                 | 125m                      | 150m    | 200m                     | 250m                     | 400m              |
| B                                                 |                           |         |                          |                          |                   |
| C                                                 |                           |         |                          |                          |                   |
| D                                                 | 150m                      | 200m    | 250m                     | 300m                     | 500m              |

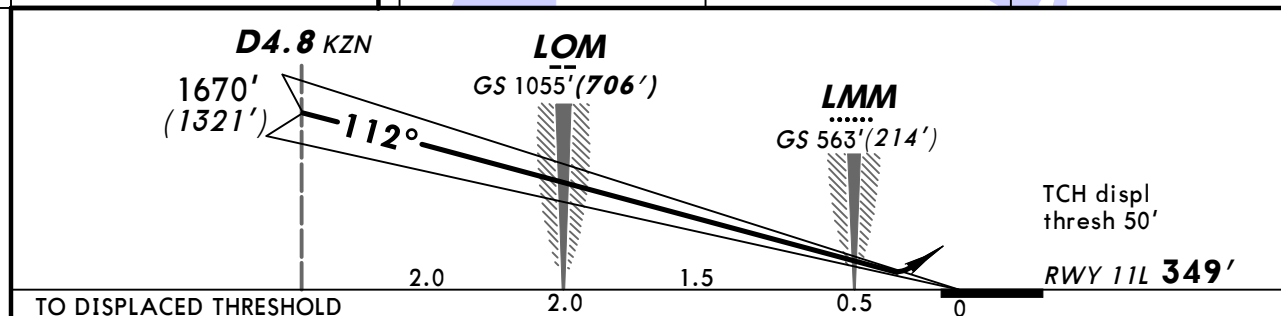
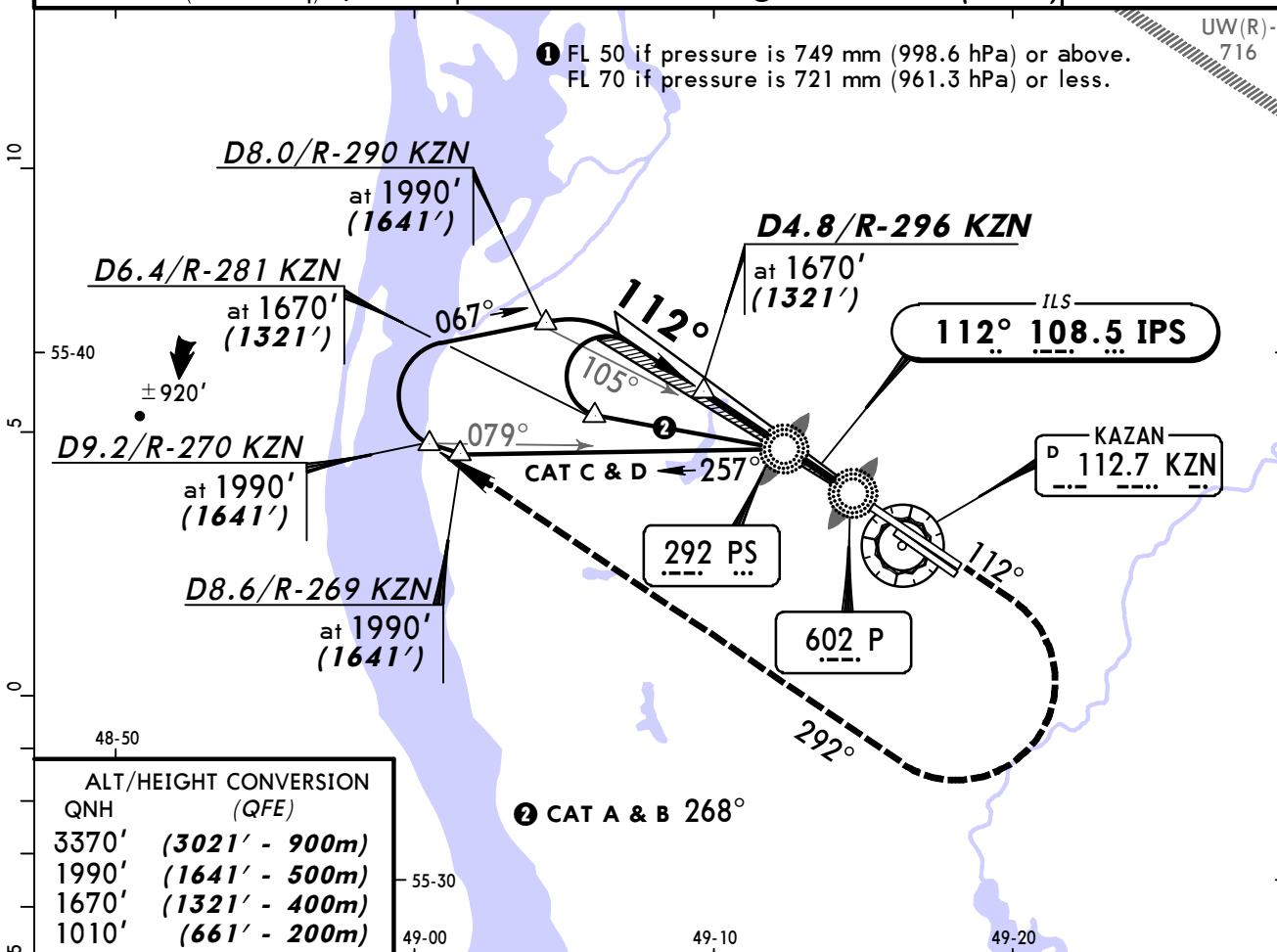
UWKD/KZN  
KAZAN

22 JUN 12 **11-1** Eff 28 Jun

KAZAN, RUSSIA  
ILS Rwy 11L

BRIEFING STRIP

|                                                                                                                           |                           |                              |                            |                      |                                         |                 |  |
|---------------------------------------------------------------------------------------------------------------------------|---------------------------|------------------------------|----------------------------|----------------------|-----------------------------------------|-----------------|--|
| ATIS<br>126.8                                                                                                             |                           | KAZAN Radar (APP/R)<br>119.4 |                            | KAZAN Tower<br>120.3 |                                         | Ground<br>121.7 |  |
| LOC<br>IPS<br>108.5                                                                                                       | Final<br>Apch Crs<br>112° | GS<br>LOM<br>1055'(706')     | ILS<br>DA(H)<br>549'(200') | Apt Elev 414'        | <div>2800'</div> <div>MSA KZN VOR</div> |                 |  |
| RWY 349'                                                                                                                  |                           |                              |                            |                      |                                         |                 |  |
| MISSED APCH: Climb on 112° to 1010' (661'), then turn RIGHT onto 292° climbing to 1990' (1641'), then according to chart. |                           |                              |                            |                      |                                         |                 |  |
| Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 60 1 Trans alt: 3370'(3021')                                    |                           |                              |                            |                      |                                         |                 |  |



| TO DISPLACED THRESHOLD |       |     |     |     |     |     |
|------------------------|-------|-----|-----|-----|-----|-----|
| Gnd speed-Kts          | 70    | 90  | 100 | 120 | 140 | 160 |
| ILS GS                 | 3.00° | 372 | 478 | 531 | 637 | 743 |
|                        |       |     |     |     |     |     |
|                        |       |     |     |     |     |     |

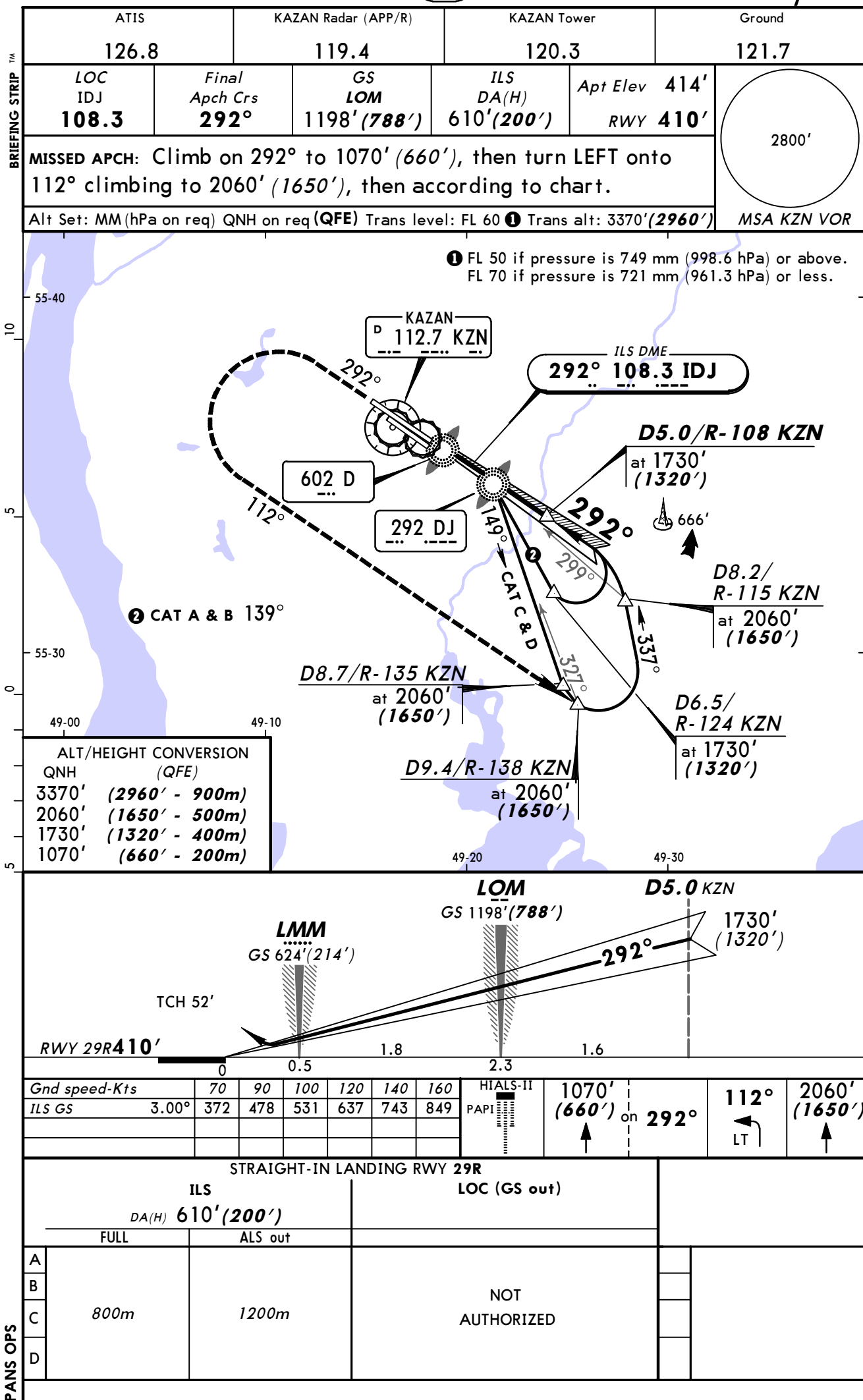
| STRAIGHT-IN LANDING RWY 11L |         | LOC (GS out) |  |
|-----------------------------|---------|--------------|--|
| ILS                         |         | LOC (GS out) |  |
| DA(H) 549' (200')           |         |              |  |
| FULL                        | ALS out |              |  |

|   |      |       |                |
|---|------|-------|----------------|
| A |      |       |                |
| B |      |       |                |
| C | 800m | 1200m | NOT AUTHORIZED |
| D |      |       |                |

UWKD/KZN  
KAZAN

JEPPESEN  
22 JUN 12 (11-2) Eff 28 Jun

KAZAN, RUSSIA  
ILS Rwy 29R



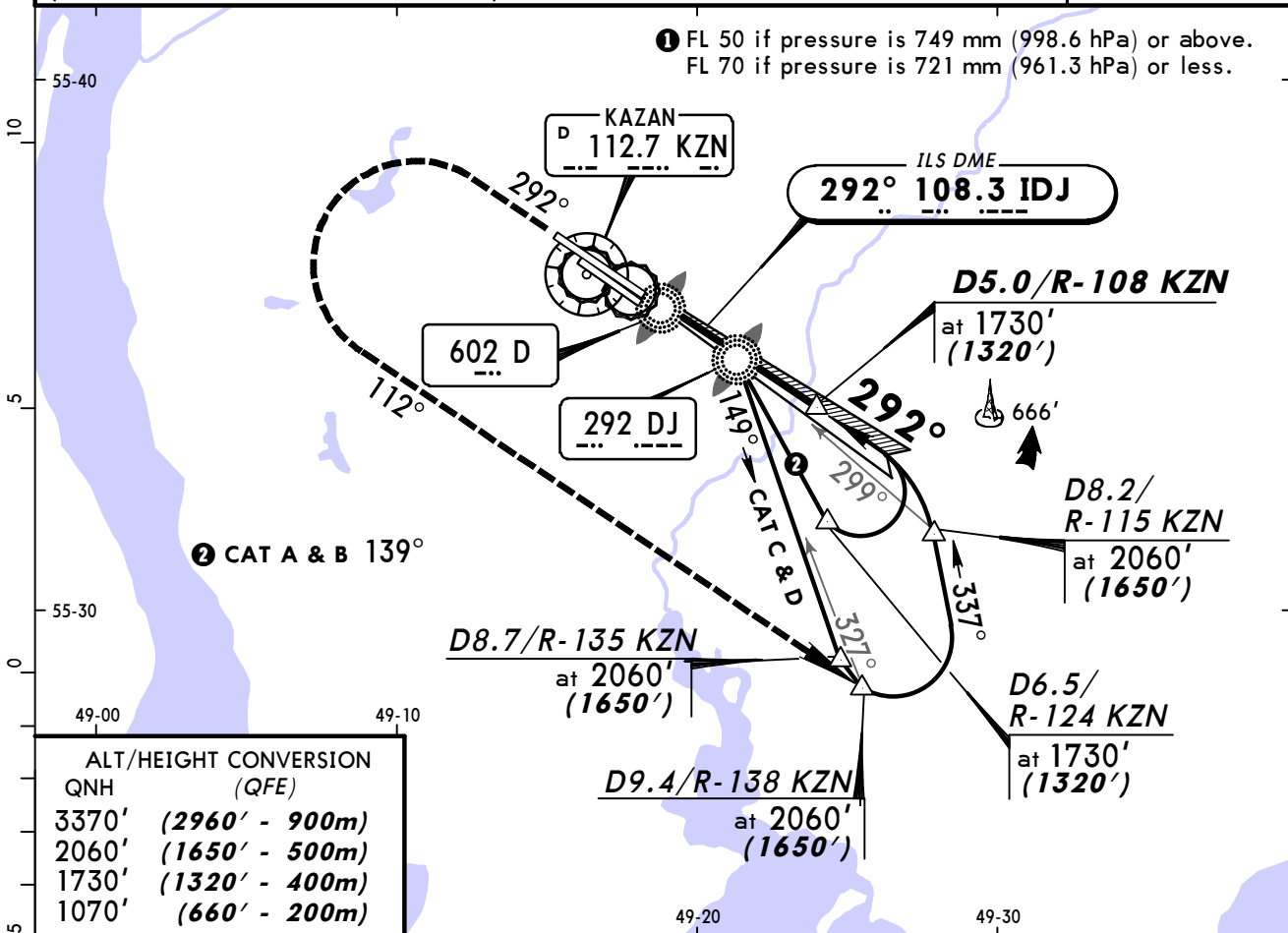
UWKD/KZN  
KAZAN

22 JUN 12 11-2A Eff 28 Jun

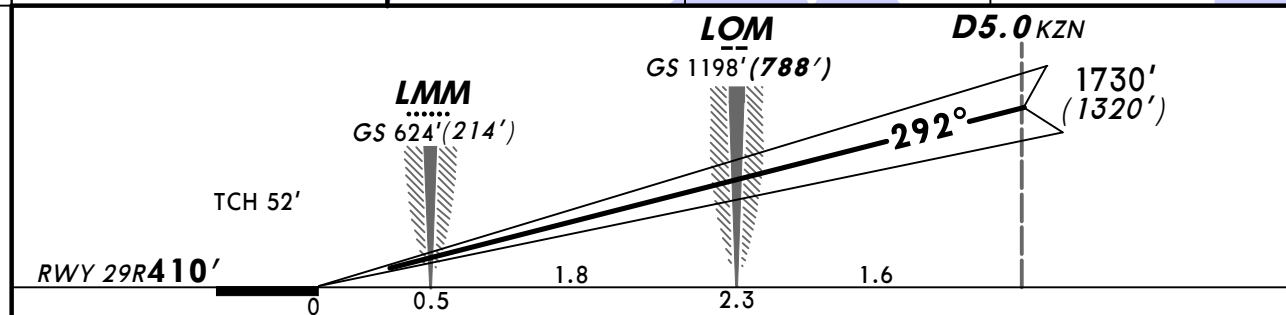
KAZAN, RUSSIA  
CAT II ILS Rwy 29R

BRIEFING STRIP

| ATIS                                                                                                                                      |                           | KAZAN Radar (APP/R)       |                                               | KAZAN Tower               |                                             | Ground |  |
|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------------------|-----------------------------------------------|---------------------------|---------------------------------------------|--------|--|
| 126.8                                                                                                                                     |                           | 119.4                     |                                               | 120.3                     |                                             | 121.7  |  |
| LOC<br>IDJ<br>108.3                                                                                                                       | Final<br>Apch Crs<br>292° | GS<br>LOM<br>1198' (788') | CAT II ILS<br>RA 113'<br>DA(H)<br>510' (100') | Apt Elev 414'<br>RWY 410' | <div>2800'</div> <div>MSA<br/>KZN VOR</div> |        |  |
| MISSED APCH: Climb on 292° to 1070' (660'), then turn LEFT onto 112° climbing to 2060' (1650'), then according to chart.                  |                           |                           |                                               |                           |                                             |        |  |
| Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 60 1 Trans alt: 3370' (2960')<br>Special Aircrew & Acft Certification Required. |                           |                           |                                               |                           |                                             |        |  |



| ALT/HEIGHT CONVERSION |                |
|-----------------------|----------------|
| QNH                   | (QFE)          |
| 3370'                 | (2960' - 900m) |
| 2060'                 | (1650' - 500m) |
| 1730'                 | (1320' - 400m) |
| 1070'                 | (660' - 200m)  |



| Gnd speed-Kts | 70    | 90  | 100 | 120 | 140 | 160 | HTALS-II | 1070' (660') | on 292° | 112° LT | 2060' (1650') |
|---------------|-------|-----|-----|-----|-----|-----|----------|--------------|---------|---------|---------------|
| GS            | 3.00° | 372 | 478 | 531 | 637 | 743 | 849      | PAPI         |         |         |               |

STRAIGHT-IN LANDING RWY 29R  
CAT II ILS  
ABCD  
RA 113'  
DA(H) 510' (100')

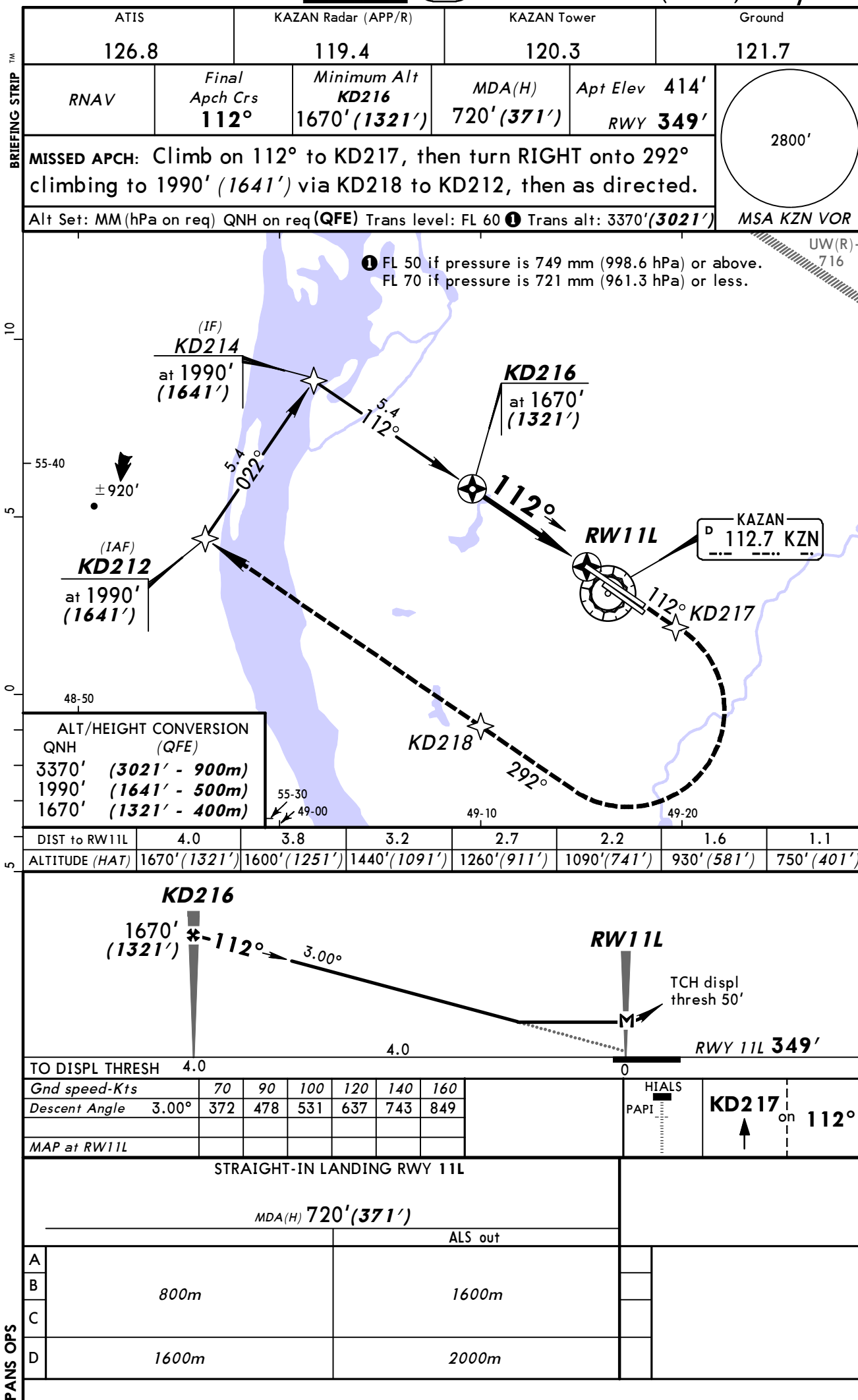
RVR 350m

PANS OPS

UWKD/KZN  
KAZAN

22 JUN 12  
Eff 28 Jun  
JEPPESEN  
12-1

KAZAN, RUSSIA  
RNAV (GNSS) Rwy 11L



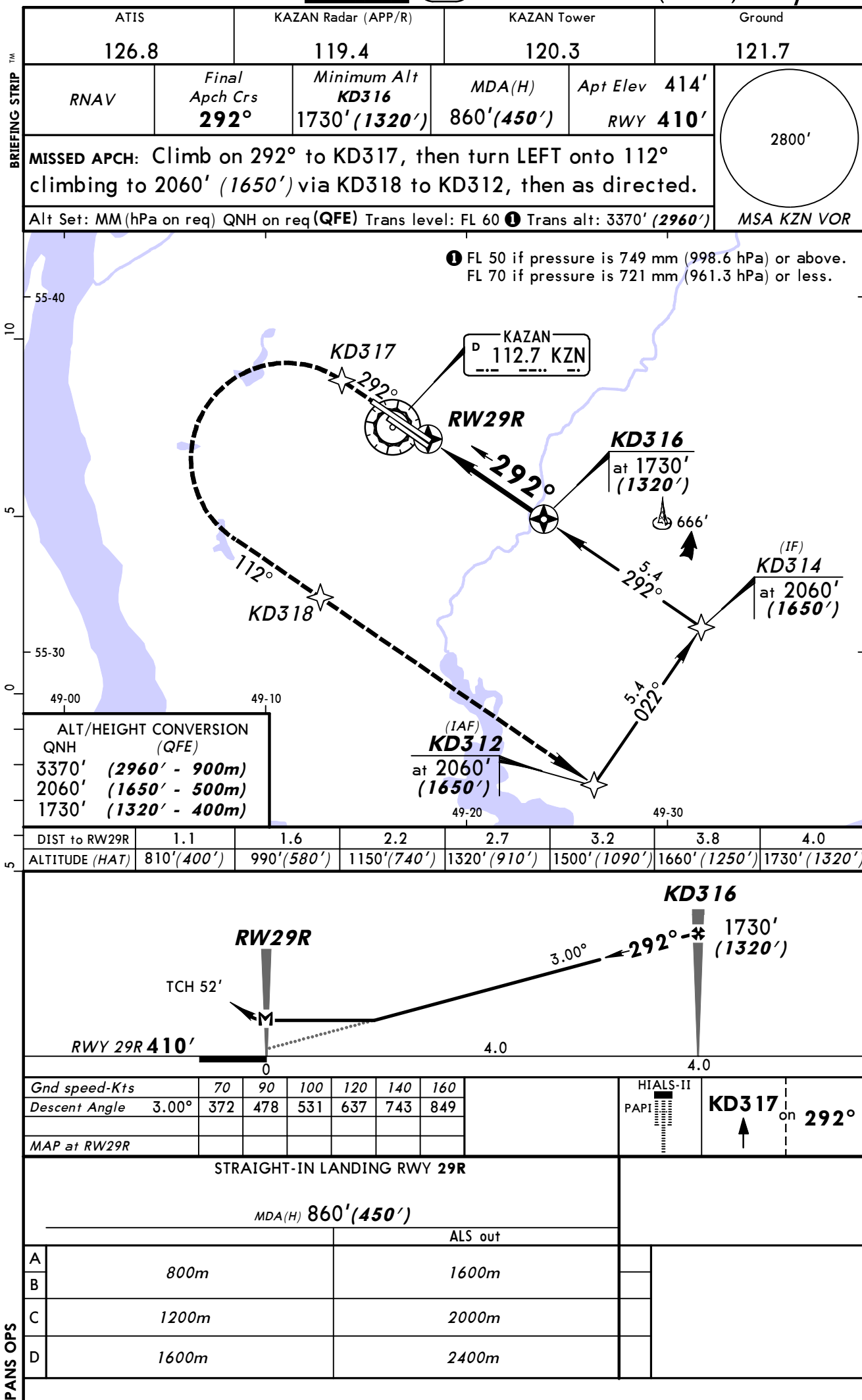
CHANGES: New procedure.

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UWKD/KZN  
KAZAN

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22 JUN 12  
Eff 28 Jun (12-2)

KAZAN, RUSSIA  
RNAV (GNSS) Rwy 29R



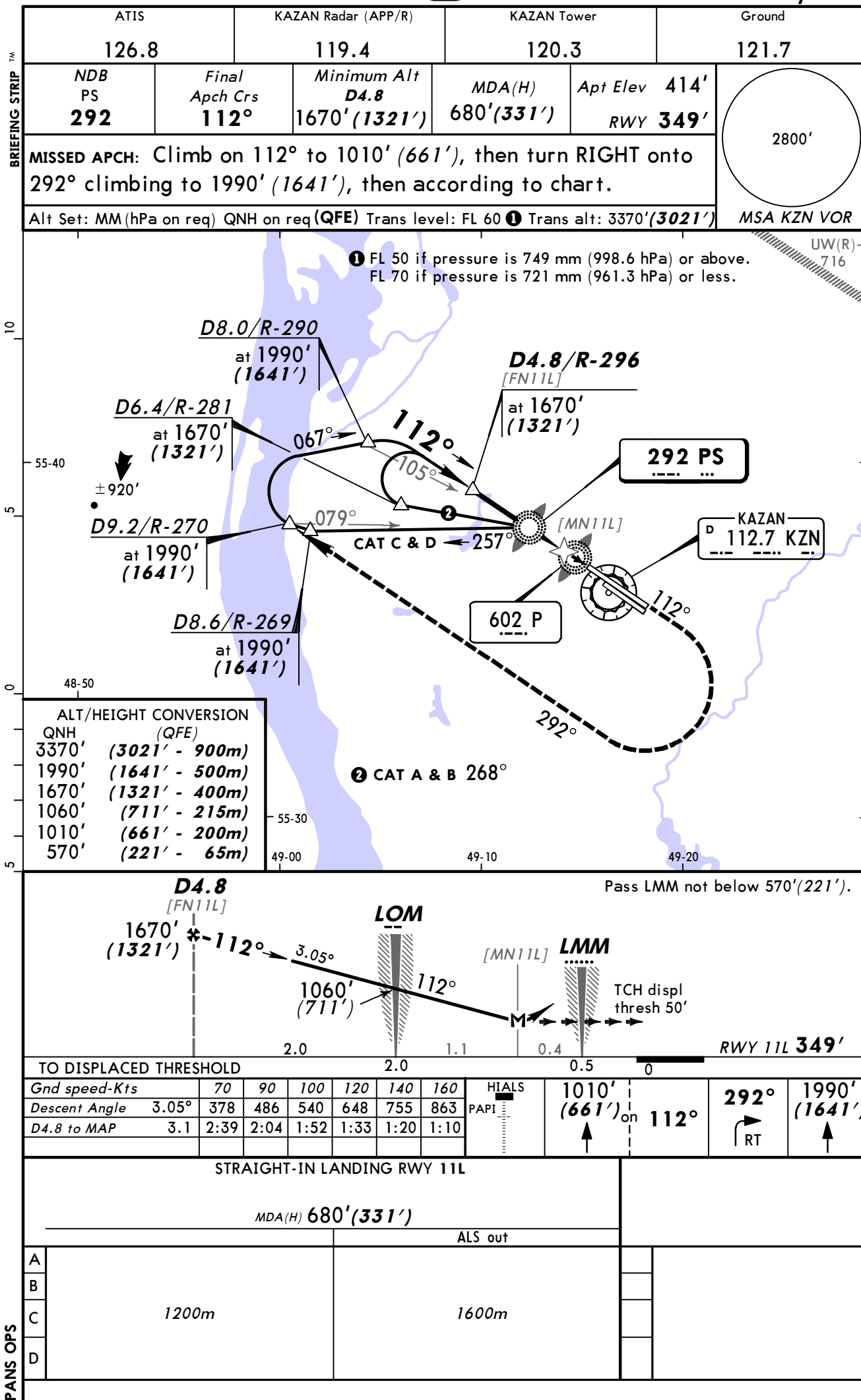
CHANGES: New procedure.

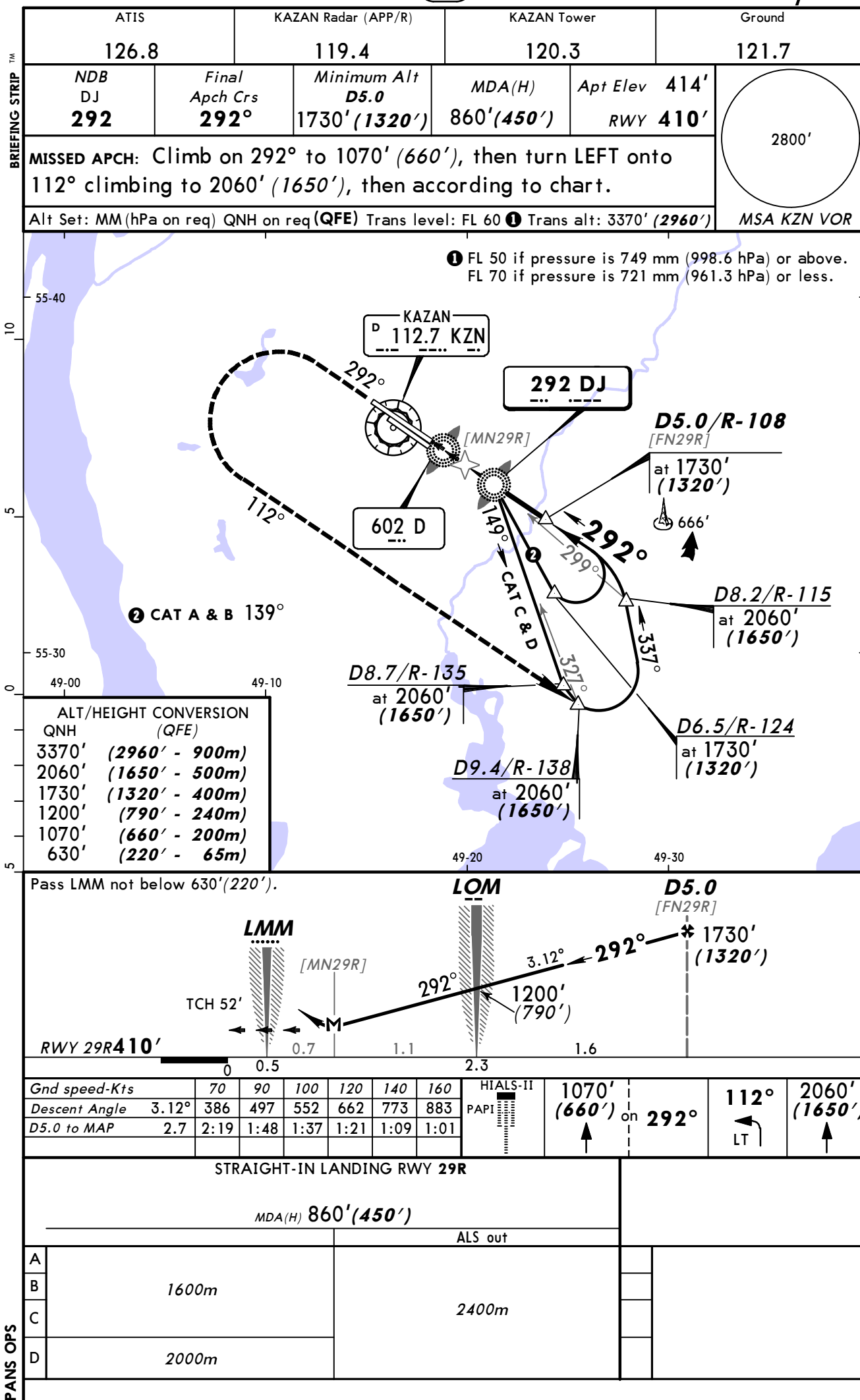
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UWKD/KZN  
KAZAN

22 JUN 12 (16-1) Eff 28 Jun

KAZAN, RUSSIA  
2 NDB Rwy 11L





**Chart changes since cycle 24-2012**

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

| ACT                   | PROCEDURE IDENT | INDEX | REV DATE | EFF DATE |
|-----------------------|-----------------|-------|----------|----------|
| KAZAN, (KAZAN - UWKD) |                 |       |          |          |

## **TERMINAL CHART CHANGE NOTICES**

### **Chart Change Notices for Airport UWKD**

**Type:** Terminal

**Effectivity:** Temporary

**Begin Date:** Immediately

**End Date:** Until Further Notice

(10-2) Eff 13 DEC 12 RNAV STAR RITOP 2C track BENOD - KD218 changed to 270°.