

## List of pages in this Trip Kit

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Airport Information For U000

Terminal Charts For U000

Revision Letter For Cycle 13-2016

Change Notices

Notebook

## General Information

Location: NORILSK RUS  
ICAO/IATA: UOOO / NSK  
Lat/Long: N69° 18.67', E087° 19.92'  
Elevation: 594 ft

Airport Use: Public  
Daylight Savings: Not Observed  
UTC Conversion: -7:00 = UTC  
Magnetic Variation: 19.0° E

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

Sunrise: 24 Hour Day  
Sunset: Never

## Runway Information

Runway: 01  
Length x Width: 11253 ft x 148 ft  
Surface Type: concrete  
TDZ-Elev: 535 ft  
Lighting: Edge, ALS

Runway: 19  
Length x Width: 11253 ft x 148 ft  
Surface Type: concrete  
TDZ-Elev: 571 ft  
Lighting: Edge, ALS, TDZ

## Communication Information

ATIS: 126.800 Non-English  
Norilsk Start/Posadka Tower: 118.300 Non-English  
Norilsk Start/Posadka Tower: 124.000 Secondary Non-English  
Norilsk Start/Posadka Tower: 129.000 Secondary Non-English  
Norilsk Rulenie Ground: 121.700 Non-English  
Norilsk Rulenie Ground: 124.000 Secondary Non-English  
Norilsk Rulenie Ground: 129.000 Secondary Non-English  
Norilsk Krug Radar: 129.000 Secondary Non-English  
Norilsk Krug Radar: 120.400 Non-English  
Norilsk Krug Radar: 124.000 Secondary Non-English  
Norilsk Transit Operations: 131.700 Non-English



U000/NSK  
ALYKEL

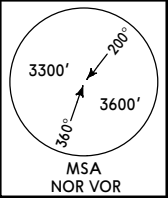
JEPPESSEN  
31 JUL 15 (10-2A)

NORILSK, RUSSIA  
STAR

|               |                  |                                                                                                                                                                                                            |
|---------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ATIS<br>126.8 | Apt Elev<br>594' | Alt set: MM (hPa on request) QNH on request (QFE)<br>Trans level: FL60<br>FL70 if pressure is less than 744 mm (991.9 hPa)<br>FL80 if pressure is less than 717 mm (955.9 hPa)<br>Trans alt: 4540' (4005') |
|---------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

LR 3W AN 3W, TK 3W  
By ATC  
RWY 01 ARRIVALS

FOR RUSSIAN USERS ONLY



**LORDA**  
N69 31.5 E088 09.0  
(NOR R-034/D22.4)  
At or above  
FL90

**TEKOR**  
N69 20.8 E088 20.9  
(NOR R-065/D22.3)  
Between  
FL120 & FL80

**ANESO**  
N69 16.4 E088 18.9  
Between  
FL120 & FL80

**NORILSK**  
D (H) \*114.2 NOR  
N69 18.2 E087 18.2

\*535 AP  
N69 16.1 E087 15.3

D5.8 NOR  
At 2180' (1645')



013°  
013°  
013°

**D9.1 NOR**  
N69 10.1 E087 06.3  
(NOR R-189)  
(009° brg to AP)  
At 2180' (1645')

**D11.3 NOR**  
N69 07.0 E087 13.5  
(NOR R-170)  
(345° brg to AP)  
At 2510' (1975')

**D11.8 NOR**  
N69 06.6 E087 12.1  
(NOR R-172)  
(348° brg to AP)  
At 2510' (1975')

| ALT/HEIGHT CONVERSION |
|-----------------------|
| QNH (QFE)             |
| 4540' (4005' - 1200m) |
| 2510' (1975' - 600m)  |
| 2180' (1645' - 500m)  |

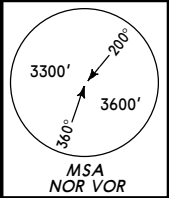
| Arrival Data for ACFT with MAX 160KT |       |      |         |               |
|--------------------------------------|-------|------|---------|---------------|
| From                                 | Track | Dist | QDM LOM | Alt (Hgt)     |
| ANESO                                | 237°  | 24   | 353°    | 2510' (1975') |
| LORDA                                | 203°  | 29   | 350°    | 2510' (1972') |
| TEKOR                                | 228°  | 26   | 352°    | 2180' (1645') |

U000/NSK  
ALYKEL

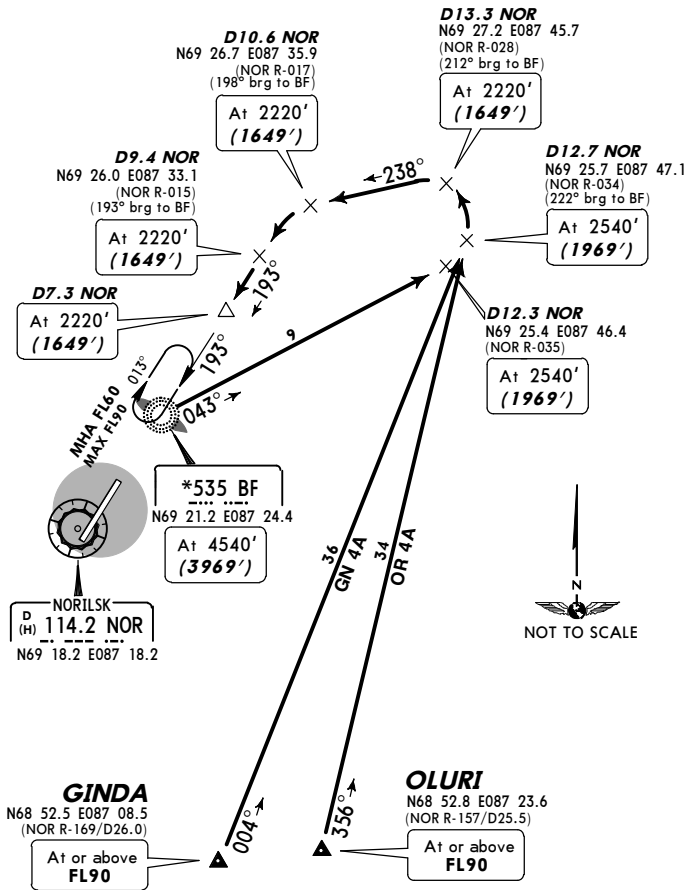
JEPPesen  
19 DEC 14 (10-2B)

NORILSK, RUSSIA  
STAR

|               |                  |                                                                                                                                                                                                            |
|---------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ATIS<br>126.8 | Apt Elev<br>594' | Alt set: MM (hPa on request) QNH on request (QFE)<br>Trans level: FL60<br>FL70 if pressure is less than 744 mm (991.9 hPa)<br>FL80 if pressure is less than 717 mm (955.9 hPa)<br>Trans alt: 4540' (3969') |
|---------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



GN 4A, OR 4A  
RWY 19 ARRIVALS  
FOR RUSSIAN USERS ONLY



| ALT/HEIGHT CONVERSION |
|-----------------------|
| QNH (QFE)             |
| 4540' (3969' - 1200m) |
| 2540' (1969' - 600m)  |
| 2220' (1649' - 500m)  |

| Arrival Data for ACFT with MAX 160KT |       |      |         |               |
|--------------------------------------|-------|------|---------|---------------|
| From                                 | Track | Dist | QDM LOM | Alt (Hgt)     |
| GINDA                                | 358°  | 33   | 216°    | 2540' (1969') |
| OLURI                                | 349°  | 32   | 214°    | 2540' (1969') |

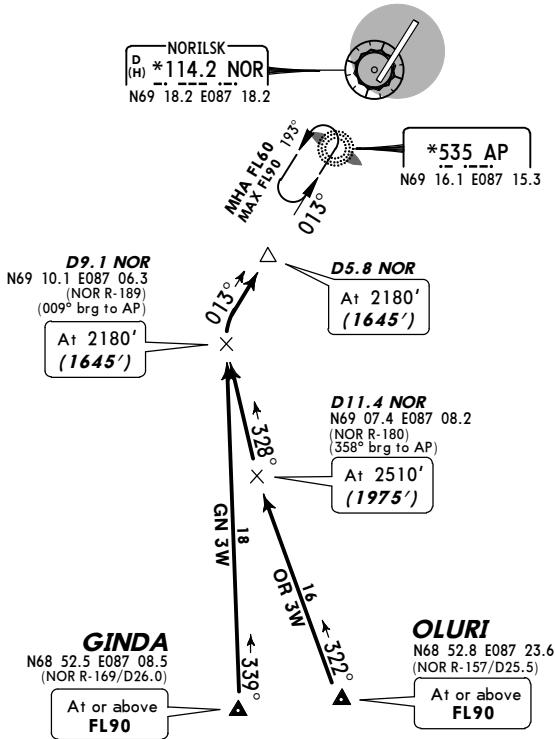
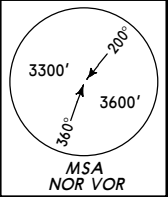
U000/NSK  
ALYKEL

JEPPESSEN  
19 DEC 14 10-2C

NORILSK, RUSSIA  
STAR

|               |                  |                                                                                                                                                                                                            |
|---------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ATIS<br>126.8 | Apt Elev<br>594' | Alt set: MM (hPa on request) QNH on request (QFE)<br>Trans level: FL60<br>FL70 if pressure is less than 744 mm (991.9 hPa)<br>FL80 if pressure is less than 717 mm (955.9 hPa)<br>Trans alt: 4540' (4005') |
|---------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

GN 3W, OR 3W  
RWY 01 ARRIVALS  
FOR RUSSIAN USERS ONLY



| Arrival Data for ACFT with MAX 160KT |       |      |         |               |
|--------------------------------------|-------|------|---------|---------------|
| From                                 | Track | Dist | QDM LOM | Alt (Hgt)     |
| GINDA                                | 340°  | 19   | 011°    | 2180' (1645') |
| OLURI                                | 323°  | 19   | 010°    | 2180' (1645') |

| ALT/HEIGHT CONVERSION |                 |
|-----------------------|-----------------|
| QNH                   | (QFE)           |
| 4540'                 | (4005' - 1200m) |
| 2510'                 | (1975' - 600m)  |
| 2180'                 | (1645' - 500m)  |

These STARs require a minimum descent gradient of 6.1% from FL90 to 2180' (1645'). If unable to comply advise ATC.

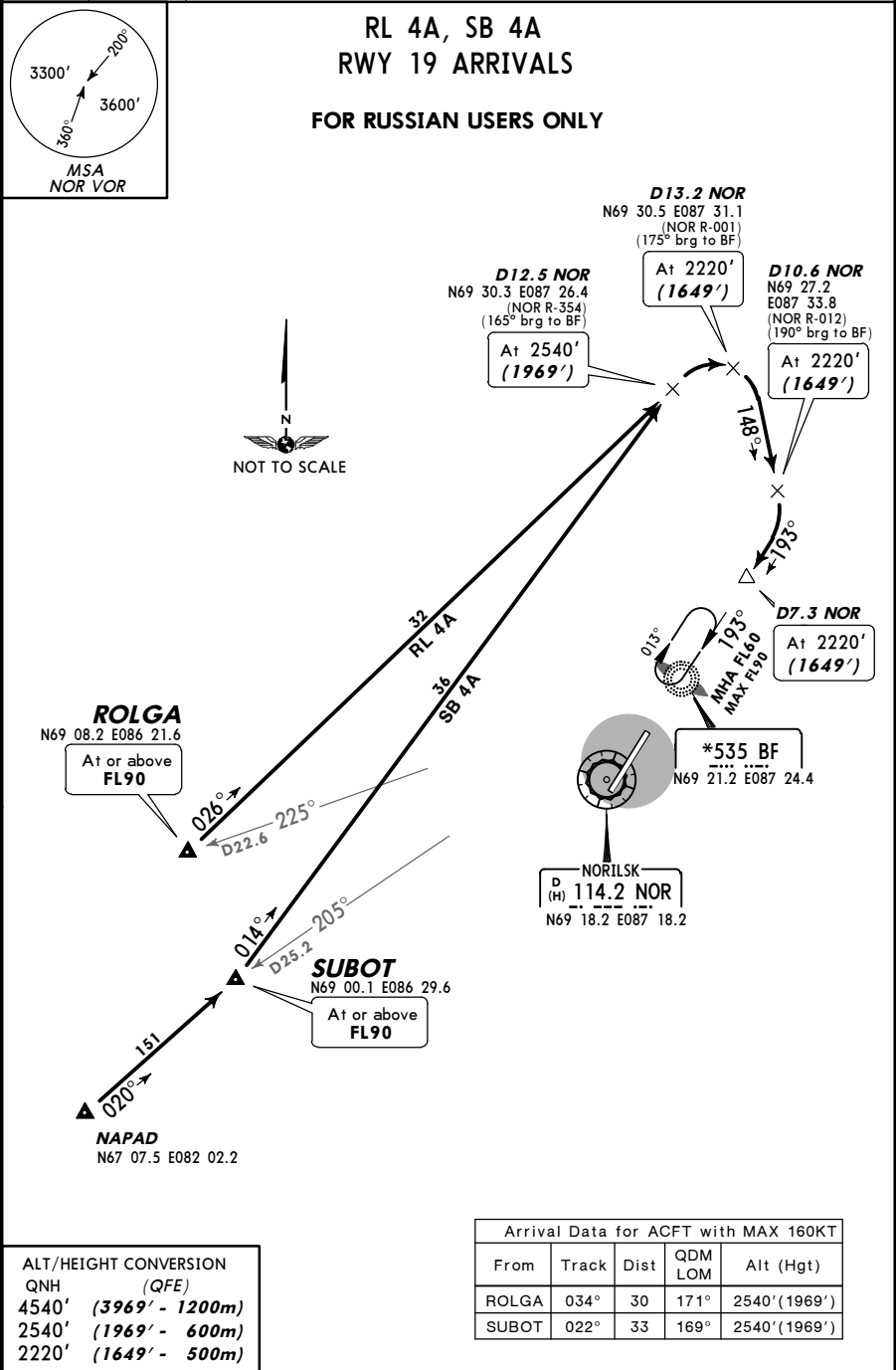
| Gnd speed-KT   | 75  | 100 | 150 | 200  | 250  | 300  |
|----------------|-----|-----|-----|------|------|------|
| 6.1% V/V (fpm) | 463 | 618 | 927 | 1235 | 1544 | 1853 |

U000/NSK  
ALYKEL

 **JEPPESSEN**  
19 DEC 14 (10-2D)

**NORILSK, RUSSIA**  
**STAR**

|               |                  |                                                                                                                                                                                                            |
|---------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ATIS<br>126.8 | Apt Elev<br>594' | Alt set: MM (hPa on request) QNH on request (QFE)<br>Trans level: FL60<br>FL70 if pressure is less than 744 mm (991.9 hPa)<br>FL80 if pressure is less than 717 mm (955.9 hPa)<br>Trans alt: 4540' (3969') |
|---------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



U000/NSK  
ALYKEL

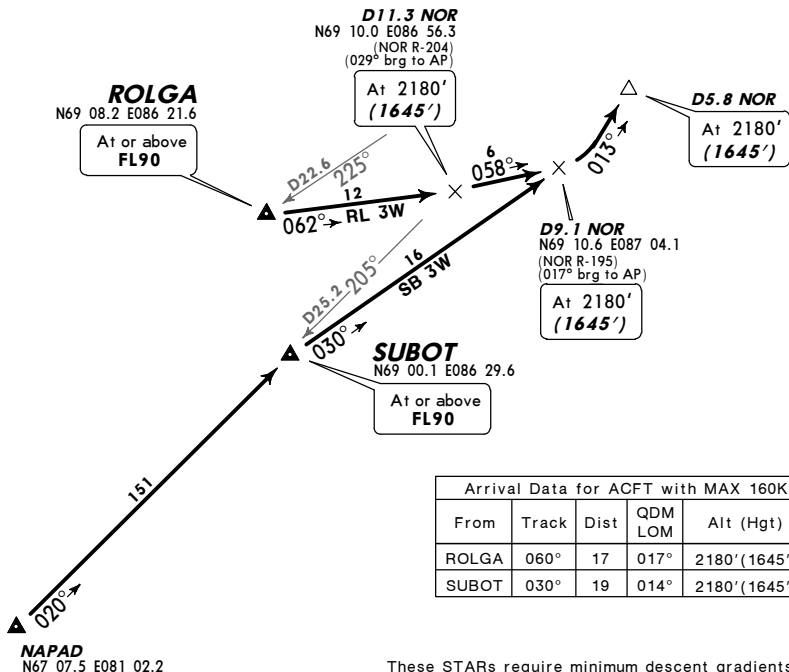
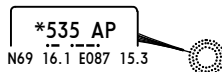
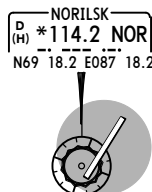
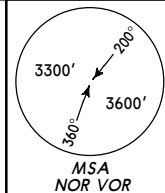
JEPPESSEN  
19 DEC 14 (10-2E)

NORILSK, RUSSIA  
STAR

|               |                  |                                                                                                                                                                                                            |
|---------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ATIS<br>126.8 | Apt Elev<br>594' | Alt set: MM (hPa on request) QNH on request (QFE)<br>Trans level: FL60<br>FL70 if pressure is less than 744 mm (991.9 hPa)<br>FL80 if pressure is less than 717 mm (955.9 hPa)<br>Trans alt: 4540' (4005') |
|---------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

RL 3W, SB 3W  
RWY 01 ARRIVALS

FOR RUSSIAN USERS ONLY



| Arrival Data for ACFT with MAX 160KT |       |      |            |               |
|--------------------------------------|-------|------|------------|---------------|
| From                                 | Track | Dist | QDM<br>LOM | Alt (Hgt)     |
| ROLGA                                | 060°  | 17   | 017°       | 2180' (1645') |
| SUBOT                                | 030°  | 19   | 014°       | 2180' (1645') |

These STARs require minimum descent gradients of  
RL 3W: 7.5% from FL90 to 2180' (1645').  
SB 3W: 6.9% from FL90 to 2180' (1645').  
If unable to comply advise ATC.

| ALT/HEIGHT CONVERSION |       |
|-----------------------|-------|
| QNH                   | (QFE) |
| 4540' (4005' - 1200m) |       |
| 2180' (1645' - 500m)  |       |

| Gnd speed-KT   | 75  | 100 | 150  | 200  | 250  | 300  |
|----------------|-----|-----|------|------|------|------|
| 6.9% V/V (fpm) | 524 | 699 | 1048 | 1397 | 1747 | 2096 |
| 7.5% V/V (fpm) | 570 | 760 | 1139 | 1519 | 1899 | 2279 |

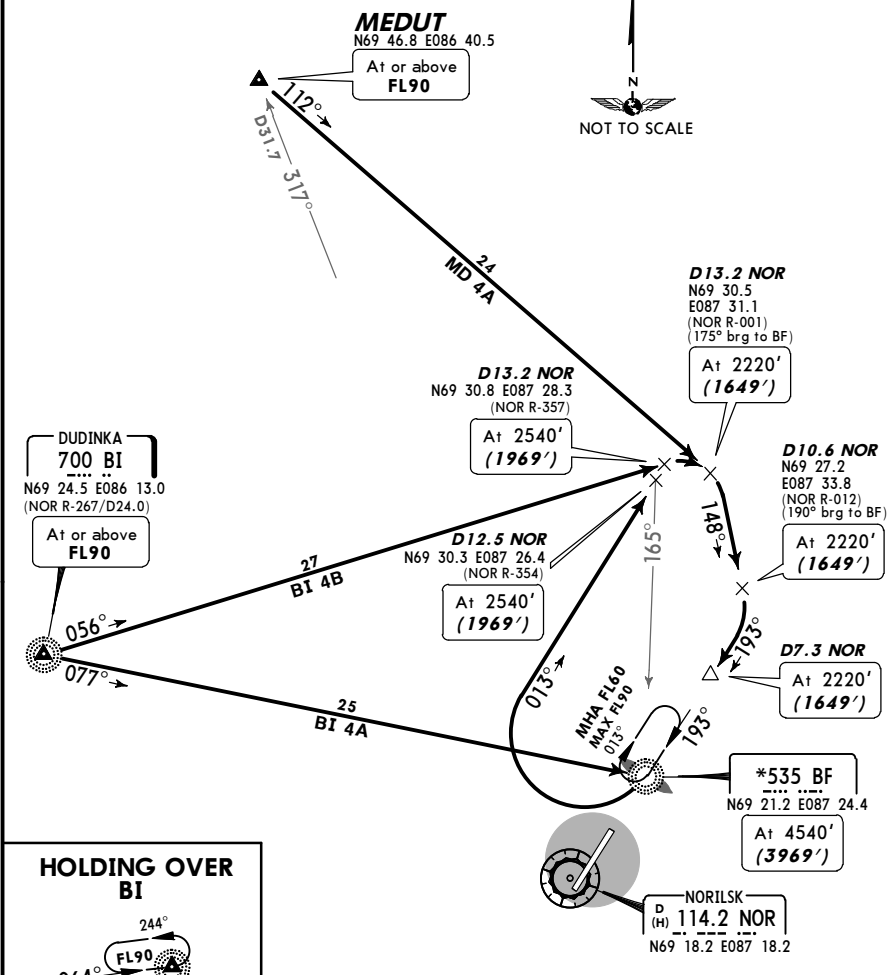
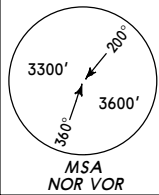
U000/NSK  
ALYKEL

JEPPESSEN  
19 DEC 14 (10-2F)

NORILSK, RUSSIA  
STAR

|               |                  |                                                                                                                                                                                                            |
|---------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ATIS<br>126.8 | Apt Elev<br>594' | Alt set: MM (hPa on request) QNH on request (QFE)<br>Trans level: FL60<br>FL70 if pressure is less than 744 mm (991.9 hPa)<br>FL80 if pressure is less than 717 mm (955.9 hPa)<br>Trans alt: 4540' (3969') |
|---------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

BI 4A, BI 4B, MD 4A  
RWY 19 ARRIVALS  
FOR RUSSIAN USERS ONLY



|                              |       |
|------------------------------|-------|
| <b>HOLDING OVER BI</b>       |       |
|                              |       |
| <b>ALT/HEIGHT CONVERSION</b> |       |
| QNH                          | (QFE) |
| 4540' (3969' - 1200m)        |       |
| 2540' (1969' - 600m)         |       |
| 2220' (1649' - 500m)         |       |

| Arrival Data for ACFT with MAX 160KT |       |      |         |               |  |
|--------------------------------------|-------|------|---------|---------------|--|
| From                                 | Track | Dist | QDM LOM | Alt (Hgt)     |  |
| BI                                   | 066°  | 27   | 175°    | 2540' (1969') |  |
| MEDUT                                | 121°  | 27   | 187°    | 2220' (1649') |  |

U000/NSK  
ALYKEL

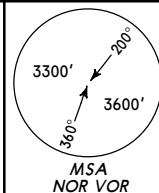
JEPPESSEN  
19 DEC 14 (10-2G)

NORILSK, RUSSIA  
STAR

|               |                  |                                                                                                                                                                                                            |
|---------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ATIS<br>126.8 | Apt Elev<br>594' | Alt set: MM (hPa on request) QNH on request (QFE)<br>Trans level: FL60<br>FL70 if pressure is less than 744 mm (991.9 hPa)<br>FL80 if pressure is less than 717 mm (955.9 hPa)<br>Trans alt: 4540' (4005') |
|---------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

BI 3W, MD 3G, MD 3W  
RWY 01 ARRIVALS

FOR RUSSIAN USERS ONLY



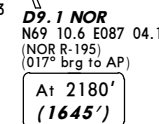
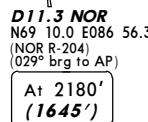
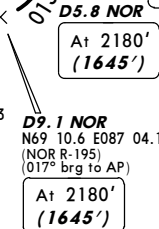
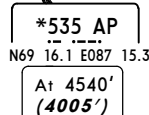
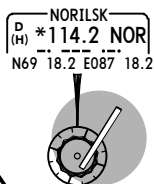
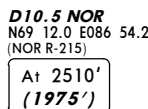
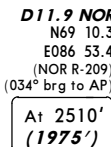
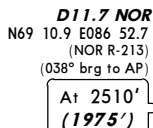
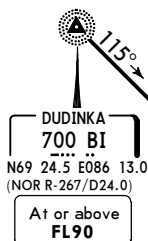
MEDUT

N69 46.8 E086 40.5  
(NOR R-317/D31.7)

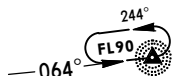
At or above  
FL90



| Arrival Data for ACFT with MAX 160KT |       |      |            |               |
|--------------------------------------|-------|------|------------|---------------|
| From                                 | Track | Dist | QDM<br>LOM | Alt (Hgt)     |
| BI                                   | 105°  | 22   | 026°       | 2180' (1645') |
| MEDUT                                | 149°  | 35   | 032°       | 2510' (1975') |



HOLDING OVER  
BI



| ALT/HEIGHT CONVERSION |       |
|-----------------------|-------|
| QNH                   | (QFE) |
| 4540' (4005' - 1200m) |       |
| 2510' (1975' - 600m)  |       |
| 2180' (1645' - 500m)  |       |

This STAR requires a minimum descent gradient  
of  
BI 3W: 4.5% from FL90 to 2180' (1645').  
If unable to comply advise ATC.

| Gnd speed-KT   | 75  | 100 | 150 | 200 | 250  | 300  |
|----------------|-----|-----|-----|-----|------|------|
| 4.5% V/V (fpm) | 342 | 456 | 684 | 911 | 1139 | 1367 |

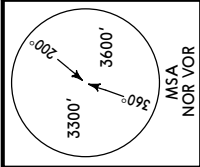
UO00/NSK  
ALYKEL

JEPPesen  
31 JUL 15 10-3

NORILSK, RUSSIA  
SID

Apt Elev  
594'

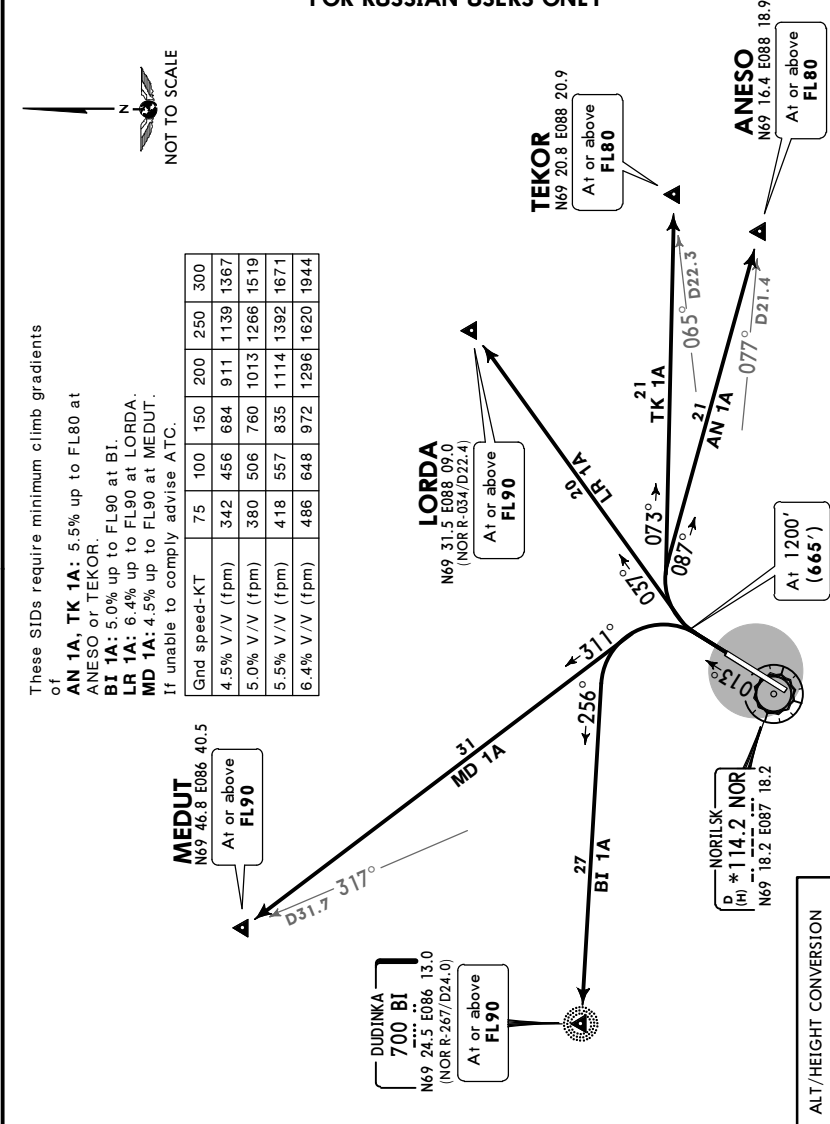
QNH on request (QFE)  
Trans level: FL60  
FL70 if pressure is less than 744 mm (991.9 hPa)  
FL80 if pressure is less than 717 mm (955.9 hPa)  
Trans alt: 4540' (4005')



BI 1A, LR 1A  
MD 1A AN 1A, TK 1A  
By ATC

RWY 01 DEPARTURES  
(SHORT PROCEDURE)

FOR RUSSIAN USERS ONLY

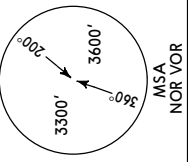


UO00/NSK  
ALYKEL

JEPPesen  
31 JUL 15 (10-3A)

NORILSK, RUSSIA  
SID

QNH on request (QFE)  
Trans level: FL60  
FL70 if pressure is less than 744 mm (991.9 hPa)  
FL80 if pressure is less than 717 mm (955.9 hPa)  
Apt Elev 594'  
Trans alt: 4540' (3969')



BI 2A, LR 2A  
MD 2A AN 2A, TK 2A  
By ATC  
RWY 19 DEPARTURES  
(SHORT PROCEDURE)

FOR RUSSIAN USERS ONLY

These SIDs require minimum climb gradients of  
AN 2A, TK 2A: 5.0% up to FL80 at ANESO or TEKOR.  
BI 2A: 5.5% up to FL90 at BI.  
LR 2A: 5.0% up to FL90 at LORDA.  
MD 2A: 4.0% up to FL90 at MEDUT.  
If unable to comply advise ATC.

| Gnd speed-KT   | 75  | 100 | 150 | 200  | 250  | 300  |
|----------------|-----|-----|-----|------|------|------|
| 4.0% V/V (fpm) | 304 | 405 | 608 | 810  | 1013 | 1215 |
| 5.0% V/V (fpm) | 380 | 506 | 760 | 1013 | 1266 | 1519 |
| 5.5% V/V (fpm) | 418 | 557 | 835 | 1114 | 1392 | 1671 |

MEDUT  
N69 46.8 E086 40.5  
A1 or above  
FL90

LORDA  
N69 31.5 E088 09.0  
A1 or above  
FL90



TEKOR  
N69 20.8 E088 20.9  
A1 or above  
FL80

ANESO  
N69 16.4 E088 18.9  
A1 or above  
FL80

NORILSK  
D \*114.2 NOR  
(H) N69 18.2 E087 18.2

DUDINKA  
700 BI  
N69 24.5 E086 13.0  
(NOR R-267/D24.0)  
A1 or above  
FL90

ALT/HEIGHT CONVERSION  
QNH (QFE)  
1230' (659' - 200m)  
4540' (3969' - 1200m)

U000/NSK  
ALYKEL

JEPPesen  
19 DEC 14 10-3B

NORILSK, RUSSIA  
SID

Apt Elev  
594'

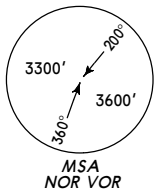
QNH on request (QFE)

Trans level: FL60

FL70 if pressure is less than 744 mm (991.9 hPa)

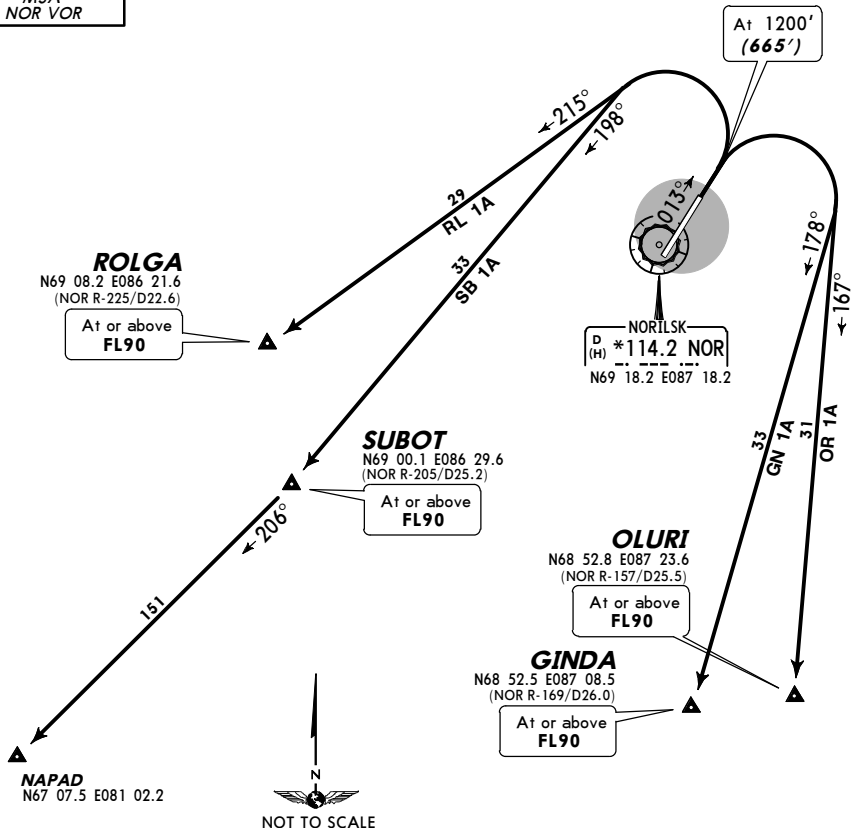
FL80 if pressure is less than 717 mm (955.9 hPa)

Trans alt: 4540' (4005')



GN 1A, OR 1A, RL 1A, SB 1A  
RWY 01 DEPARTURES  
(SHORT PROCEDURE)

FOR RUSSIAN USERS ONLY



**ROLGA**  
N69 08.2 E086 21.6  
(NOR R-225/D22.6)

At or above  
FL90

**SUBOT**  
N69 00.1 E086 29.6  
(NOR R-205/D25.2)

At or above  
FL90

**OLURI**  
N68 52.8 E087 23.6  
(NOR R-157/D25.5)

At or above  
FL90

**GINDA**  
N68 52.5 E087 08.5  
(NOR R-169/D26.0)

At or above  
FL90

**NAPAD**  
N67 07.5 E081 02.2



These SIDs require minimum climb gradients  
of

**GN 1A, OR 1A, SB 1A:** 4.1% up to FL90 at  
GINDA, OLURI or SUBOT.

**RL 1A:** 4.5% up to FL90 at ROLGA.

If unable to comply advise ATC.

ALT/HEIGHT CONVERSION  
QNH (QFE)  
1200' (665' - 200m)  
4540' (4005' - 1200m)

| Gnd speed-KT   | 75  | 100 | 150 | 200 | 250  | 300  |
|----------------|-----|-----|-----|-----|------|------|
| 4.1% V/V (fpm) | 311 | 415 | 623 | 830 | 1038 | 1246 |
| 4.5% V/V (fpm) | 342 | 456 | 684 | 911 | 1139 | 1367 |

U000/NSK  
ALYKEL

JEPPesen  
19 DEC 14 (10-3C)

NORILSK, RUSSIA  
SID

Apt Elev  
594'

QNH on request (QFE)

Trans level: FL60

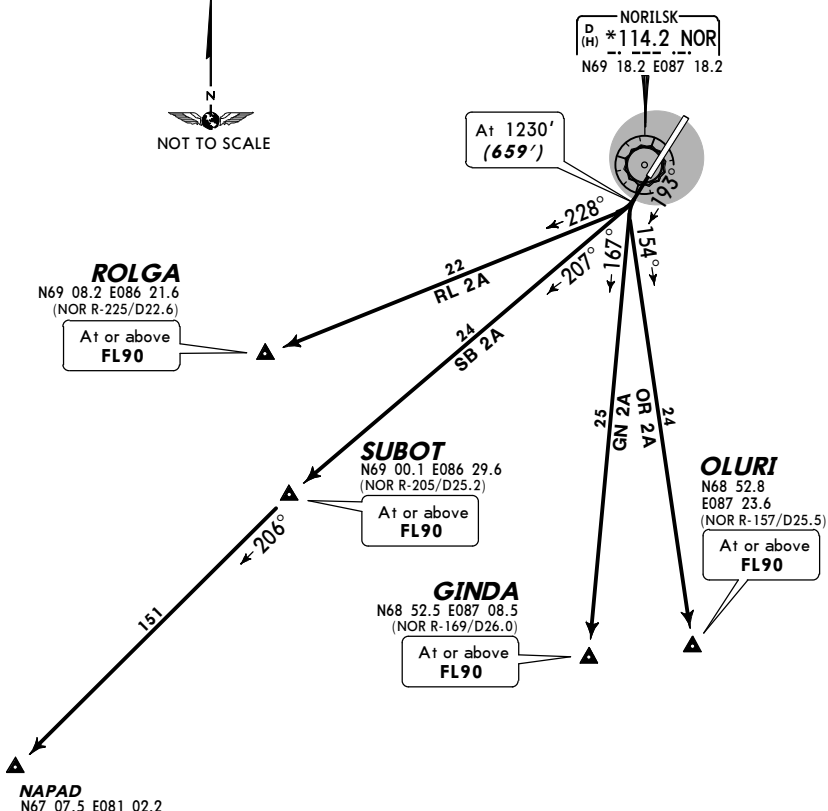
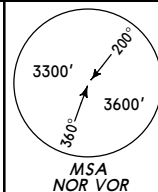
FL70 if pressure is less than 744 mm (991.9 hPa)

FL80 if pressure is less than 717 mm (955.9 hPa)

Trans alt: 4540' (3969')

GN 2A, OR 2A, RL 2A, SB 2A  
RWY 19 DEPARTURES  
(SHORT PROCEDURE)

FOR RUSSIAN USERS ONLY



These SIDs require minimum climb gradients of

GN 2A, OR 2A, SB 2A: 5.5% up to FL90 at GINDA, OLURI or SUBOT.

RL 2A: 6.0% up to FL90 at ROLGA.

If unable to comply advise ATC.

ALT/HEIGHT CONVERSION

QNH (QFE)

1230' (659' - 200m)

4540' (3969' - 1200m)

| Gnd speed-KT   | 75  | 100 | 150 | 200  | 250  | 300  |
|----------------|-----|-----|-----|------|------|------|
| 5.5% V/V (fpm) | 418 | 557 | 835 | 1114 | 1392 | 1671 |
| 6.0% V/V (fpm) | 456 | 608 | 911 | 1215 | 1519 | 1823 |

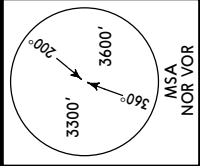
U000/NSK  
ALYKEL

JEPPesen  
31 JUL 15 (10-3D)

NORILSK, RUSSIA  
SID

Apt Elev  
594'

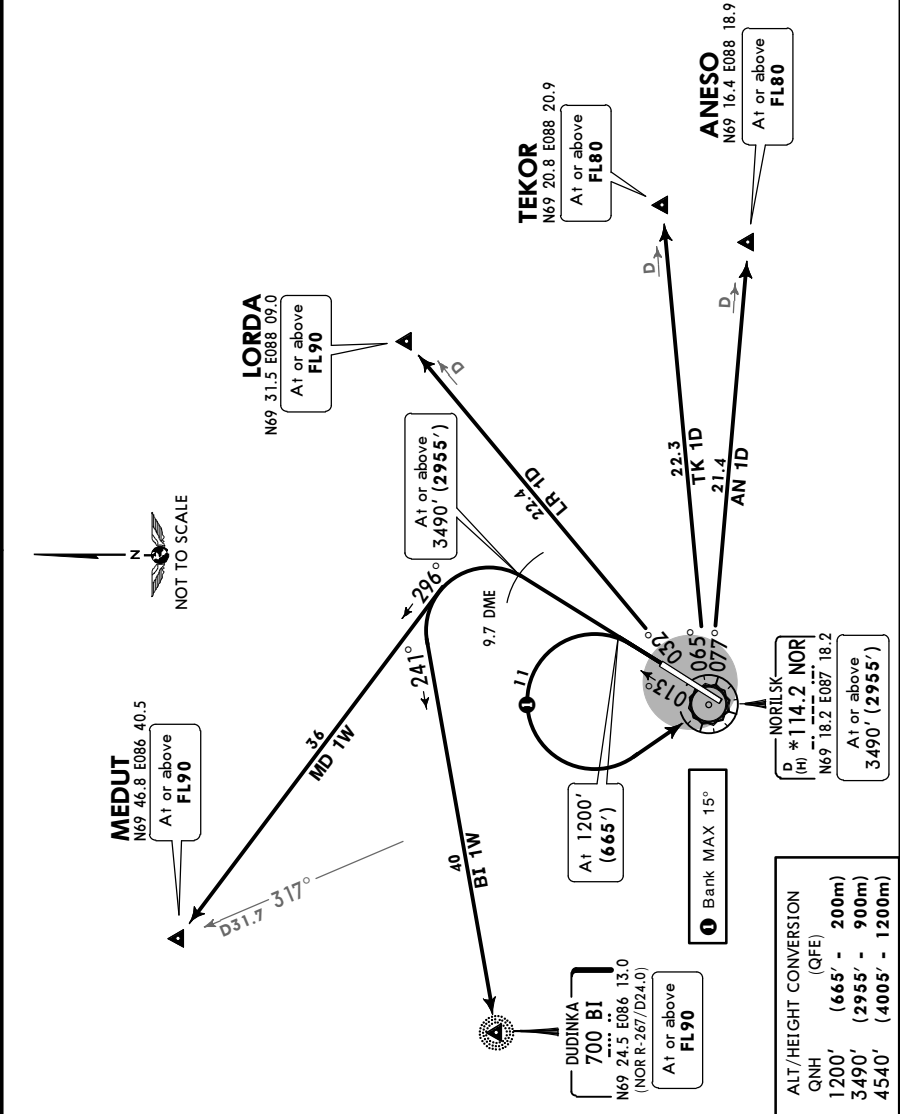
QNH on request (QFE)  
Trans level: FL60  
FL70 if pressure is less than 744 mm (991.9 hPa)  
FL80 if pressure is less than 717 mm (955.9 hPa)  
Trans alt: 4540' (4005')



BI 1W  
LR 1D, MD 1W  
AN 1D, TK 1D  
By ATC

RWY 01 DEPARTURES  
(LONG PROCEDURE)

FOR RUSSIAN USERS ONLY



U000/NSK  
ALYKEL

JEPPesen  
31 JUL 15 (10-3E)

NORILSK, RUSSIA  
SID

Apt Elev  
594'

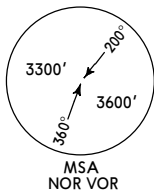
QNH on request (QFE)

Trans level: FL60

FL70 if pressure is less than 744 mm (991.9 hPa)

FL80 if pressure is less than 717 mm (955.9 hPa)

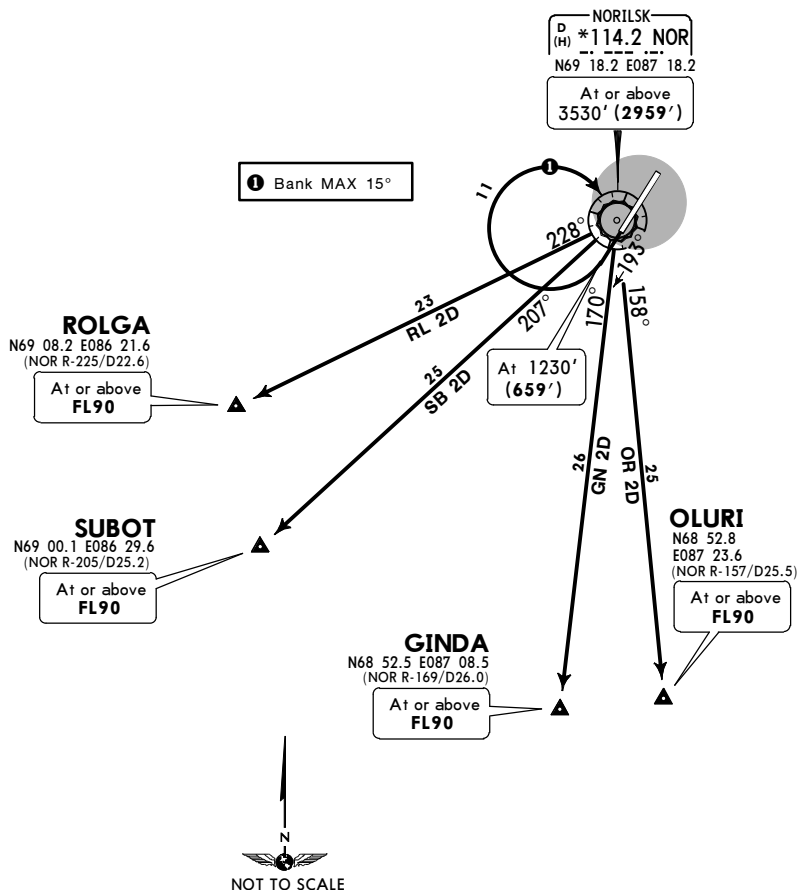
Trans alt: 4540' (3969')



GN 2D, OR 2D, RL 2D, SB 2D  
RWY 19 DEPARTURES

(LONG PROCEDURE)

FOR RUSSIAN USERS ONLY



ALT/HEIGHT CONVERSION

QNH (QFE)

1230' (659' - 200m)

3530' (2959' - 900m)

4540' (3969' - 1200m)

CHANGES: None.

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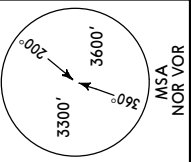
U000/NSK  
ALYKEL

31 JUL 15 **10-3F**

NORILSK, RUSSIA  
**SID**

QNH on request (QFE)  
Trans level: FL60  
FL70 if pressure is less than 744 mm (991.9 hPa)  
FL80 if pressure is less than 717 mm (955.9 hPa)  
Trans alt: 4540' (3969')

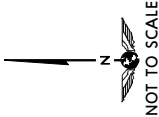
Apt Elev  
594'



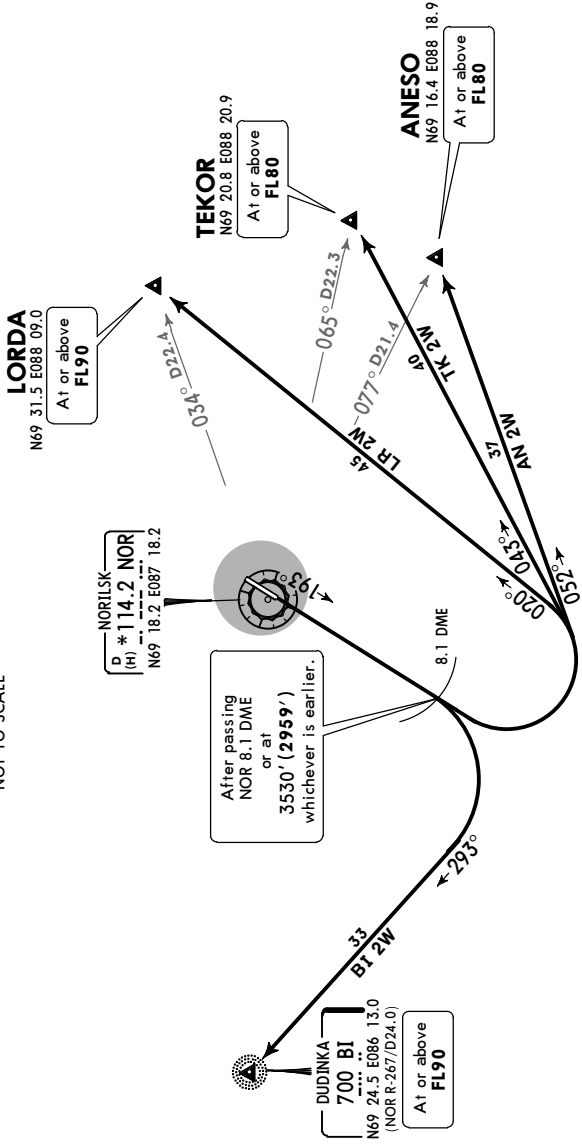
BI 2W, LR 2W AN 2W, TK 2W  
By ATC  
RWY 19 DEPARTURES  
(LONG PROCEDURE)

FOR RUSSIAN USERS ONLY

ALT/HEIGHT CONVERSION  
QNH (QFE)  
3530' (2959' - 900m)  
4540' (3969' - 1200m)



NOT TO SCALE



U000/NSK

Apt Elev **594'**  
N69 18.7 E087 19.9



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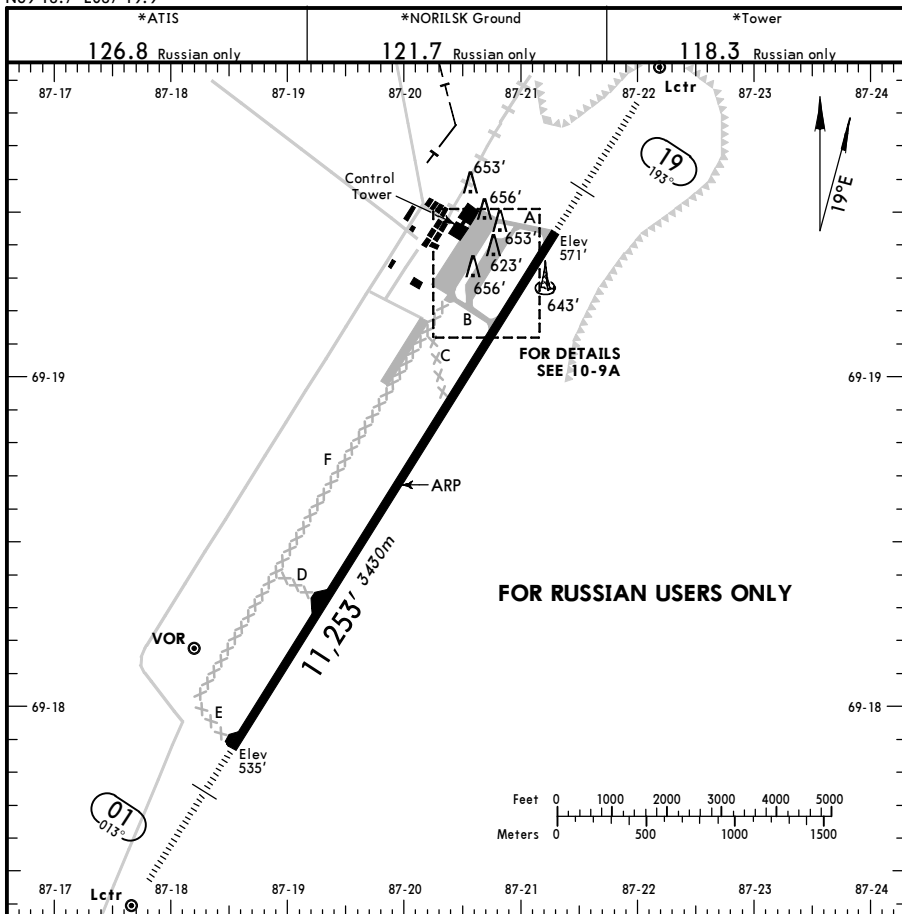
5 DEC 14

10-9

Eff 11 Dec

NORILSK, RUSSIA

ALYKEL



**GENERAL**

Longitudinal slope of runway segment adjacent to threshold 19 exceeds the normative value.

Landing shall be carried out at the crew's good look-out.

Crosswind component value according to AOM for given friction coefficient should be reduced by 1m/sec for acft with MTOM exceeding 30 tons.

**ADDITIONAL RUNWAY INFORMATION**

| RWY      |                    |  | USABLE LENGTHS |               | TAKE-OFF    | WIDTH |
|----------|--------------------|--|----------------|---------------|-------------|-------|
|          |                    |  | LANDING BEYOND |               |             |       |
|          |                    |  | Threshold      | Glide Slope   |             |       |
| 01<br>19 | HIALS PAPI (2.67°) |  | 10,039' 3060m  | 10,925' 3330m | 148'<br>45m |       |
|          |                    |  | 10,403' 3171m  |               |             |       |

① First 328' / 100m unusable for take-off.

**TAKE-OFF**

AIR CARRIER (JAA)  
All Rwys

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

RCLM (DAY only)  
or RL

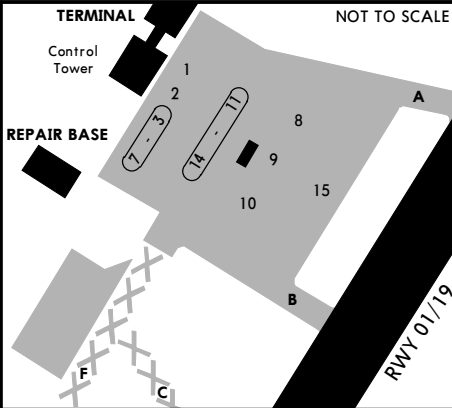
|   |      |      |
|---|------|------|
| A |      |      |
| B | 250m | 400m |
| C |      |      |
| D | 300m |      |

CHANGES: Communications. Rwy elev. Lights.

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ALYKEL



Taxiing of acft with low-mounted engines on apron shall be carried out by towing only.

180° turns for taxiing out from stands to twy A or twy B under own engines power forbidden.

Taxiing out of stand 7 and hangar stand by towing only.

Stand 7 for quarantine parking.  
Stand 10 for dangerous goods.  
Stand 15 for act of illegal intervention.  
Stands 8, 10 and 15 available for helicopters.

FOR RUSSIAN USERS ONLY

| INS COORDINATES |                    |           |                    |
|-----------------|--------------------|-----------|--------------------|
| STAND No.       | COORDINATES        | STAND No. | COORDINATES        |
| 1               | N69 19.4 E087 20.6 | 9         | N69 19.4 E087 20.7 |
| 2, 3            | N69 19.4 E087 20.5 | 10        | N69 19.3 E087 20.6 |
| 4               | N69 19.4 E087 20.4 | 11        | N69 19.4 E087 20.7 |
| 5               | N69 19.3 E087 20.4 | 12        | N69 19.4 E087 20.6 |
| 6, 7            | N69 19.3 E087 20.3 | 13, 14    | N69 19.3 E087 20.5 |
| 8               | N69 19.4 E087 20.8 | 15        | N69 19.3 E087 20.7 |

U000/NSK


**JEPPESSEN**

5 DEC 14

**10-9S**
**Eff 11 Dec**
**Standard**
**NORILSK, RUSSIA**  
**ALYKEL**

| STRAIGHT-IN RWY |                | A                   | B                   | C                   | D                   |
|-----------------|----------------|---------------------|---------------------|---------------------|---------------------|
| 01              | ILS            | <b>735'</b> (200')  | <b>735'</b> (200')  | <b>764'</b> (229')  | <b>764'</b> (229')  |
|                 | <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            |
|                 | 2 NDB          | <b>840'</b> (305')  | <b>870'</b> (335')  | <b>870'</b> (335')  | <b>870'</b> (335')  |
|                 |                | <b>R750m</b>        | <b>R800m</b>        | <b>R800m</b>        | <b>R800m</b>        |
|                 | <i>ALS out</i> | R1400m              | R1500m              | R1500m              | R1500m              |
|                 | AP NDB ①       | <b>1200'</b> (665') | <b>1200'</b> (665') | <b>1360'</b> (823') | <b>1360'</b> (823') |
|                 |                | <b>R1500m</b>       | <b>R1500m</b>       | <b>C2400m</b>       | <b>C2400m</b>       |
| 19              | NDB ①          | <b>1200'</b> (665') | <b>1200'</b> (665') | <b>1520'</b> (985') | <b>1520'</b> (985') |
|                 |                | <b>R1500m</b>       | <b>R1500m</b>       | <b>C2400m</b>       | <b>C2400m</b>       |
|                 | ILS            | <b>771'</b> (200')  | <b>771'</b> (200')  | <b>801'</b> (230')  | <b>801'</b> (230')  |
|                 | <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            |
|                 | 2 NDB ①        | <b>940'</b> (369')  | <b>940'</b> (369')  | <b>940'</b> (369')  | <b>940'</b> (369')  |
|                 |                | <b>R1000m</b>       | <b>R1000m</b>       | <b>R1000m</b>       | <b>R1000m</b>       |
|                 | <i>ALS out</i> | R1500m              | R1500m              | R1700m              | R1700m              |
|                 | BF NDB ①       | <b>1230'</b> (659') | <b>1230'</b> (659') | <b>1400'</b> (829') | <b>1400'</b> (829') |
|                 |                | <b>R1500m</b>       | <b>R1500m</b>       | <b>C2400m</b>       | <b>C2400m</b>       |
|                 | NDB ①          | <b>1230'</b> (659') | <b>1230'</b> (659') | <b>1560'</b> (989') | <b>1560'</b> (989') |
|                 |                | <b>R1500m</b>       | <b>R1500m</b>       | <b>C2400m</b>       | <b>C2400m</b>       |

① Continuous Descent Final Approach.

### TAKE-OFF RWY 01, 19

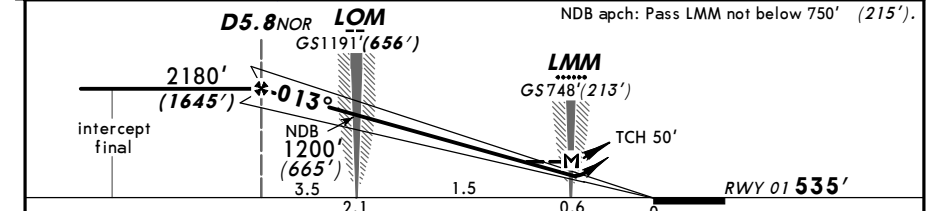
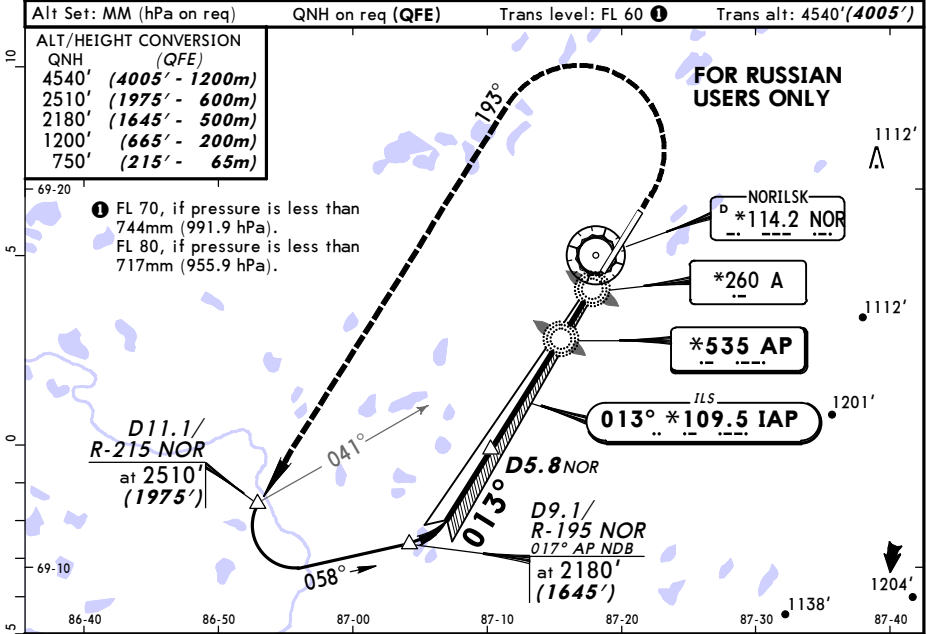
| LVP must be in Force     |      |                          |                   |
|--------------------------|------|--------------------------|-------------------|
| RCLM (DAY only)<br>or RL |      | RCLM (DAY only)<br>or RL | NIL<br>(DAY only) |
| A                        | 250m | 400m           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

U000/NSK  
ALYKEL

JEPESEN  
5 DEC 14 (11-1) Eff 11 Dec 15

NORILSK, RUSSIA  
LS or 2 NDB Rwy 01

| *ATIS                                                                                                            | *NORILSK Radar                           | *NORILSK Tower                  | *Ground                                         |
|------------------------------------------------------------------------------------------------------------------|------------------------------------------|---------------------------------|-------------------------------------------------|
| 126.8 Russian only                                                                                               | 120.4 Russian only                       | 118.3 Russian only              | 121.7 Russian only                              |
| LOC IAP<br>*109.5                                                                                                | Final Apch Crs<br>013°                   | GS LOM<br>1191' (656')          | ILS DA(H)<br>Refer to Minimums<br>Apt Elev 594' |
| NDB AP<br>*535                                                                                                   | Minimum Alt<br>D5.8 NOR<br>2180' (1645') | NDB MDA(H)<br>Refer to Minimums | RWY 535'                                        |
| MISSED APCH: Climb to 1200' (665'), then turn LEFT onto 193° climbing to 2510' (1975'), then according to chart. |                                          |                                 |                                                 |
|                                                                                                                  |                                          |                                 |                                                 |

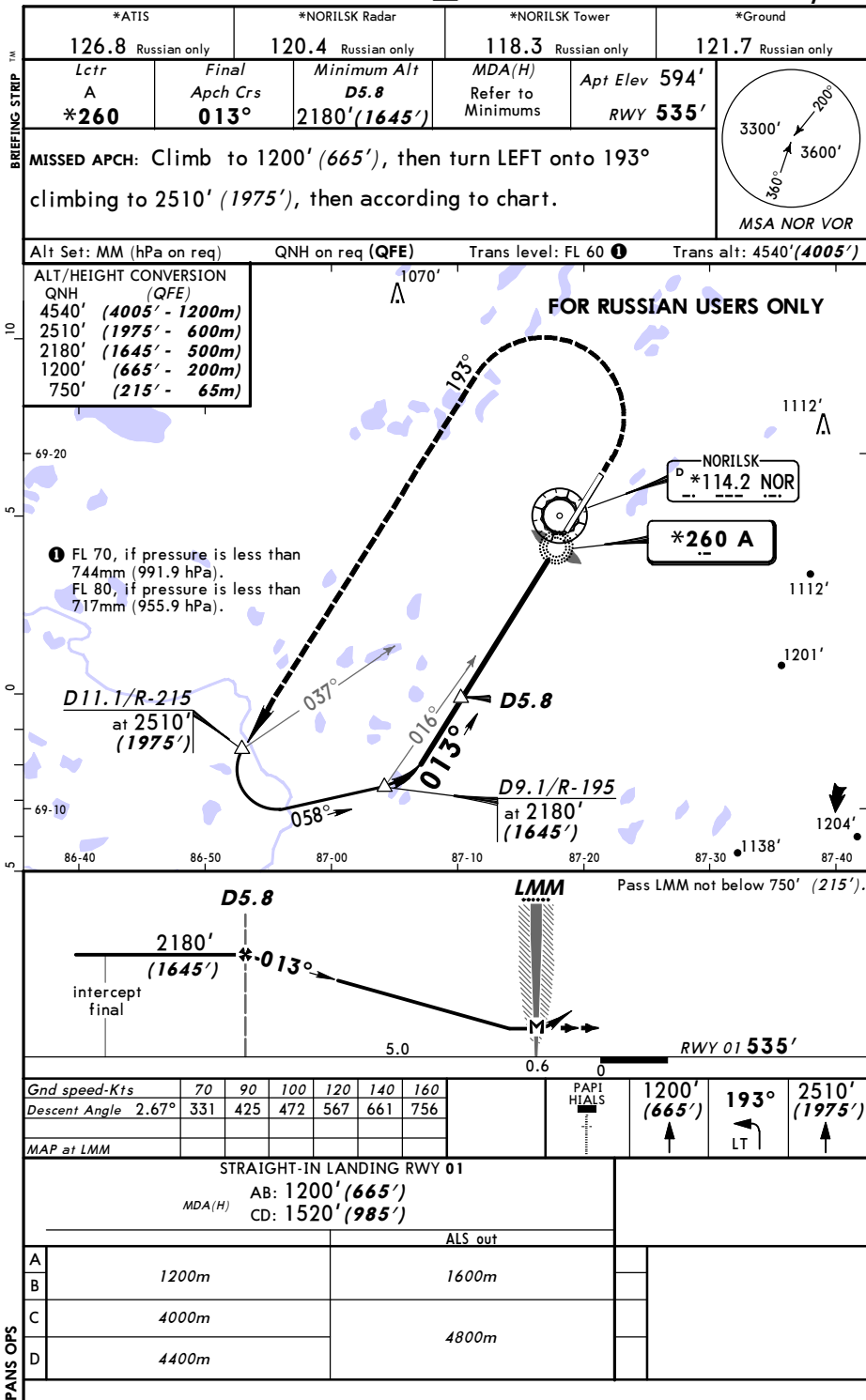




U000/NSK  
ALYKEL

JEPPesen  
5 DEC 14 16-1 Eff 11 Dec

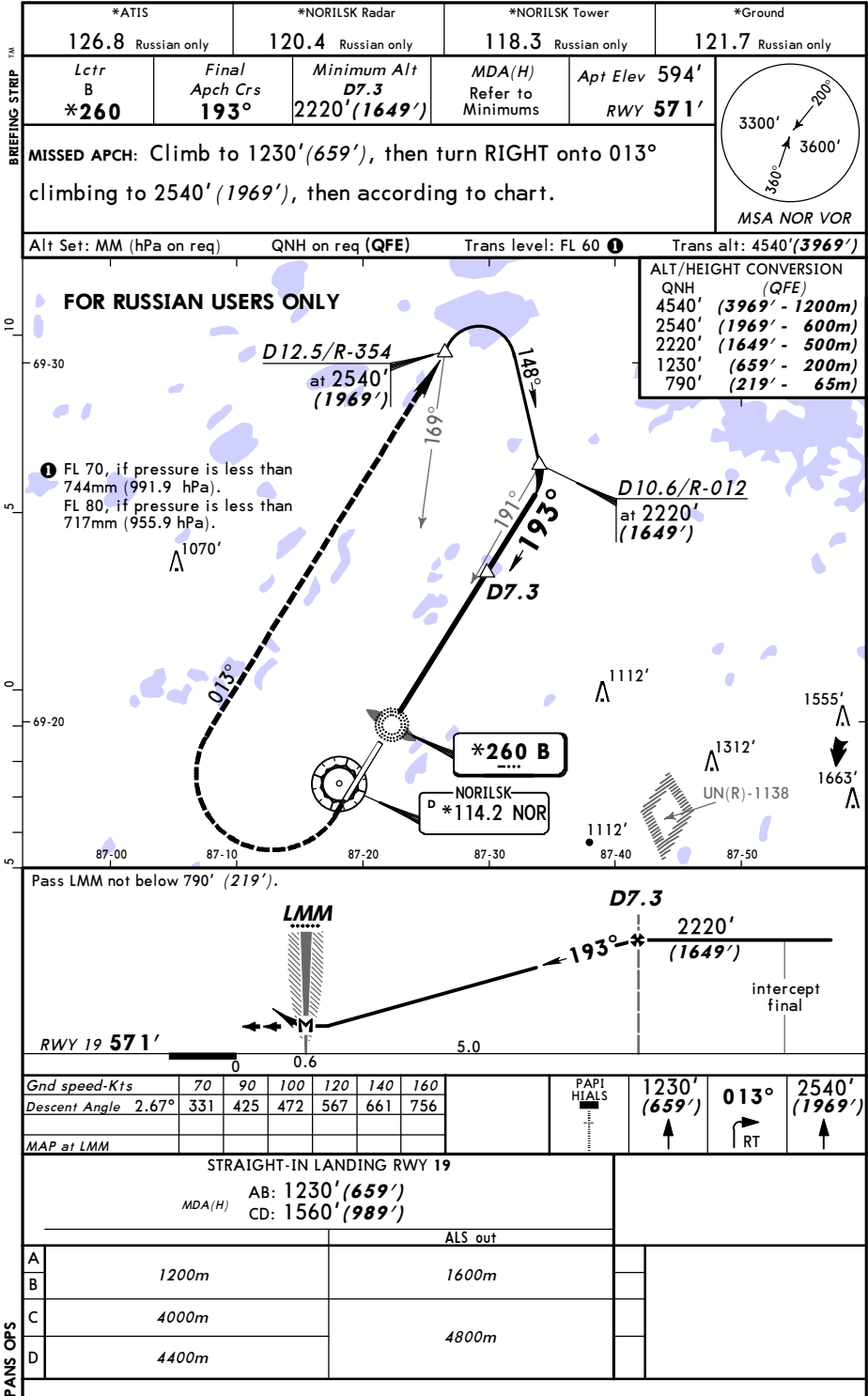
NORILSK, RUSSIA  
NDB Rwy 01



U000/NSK  
ALYKEL

JEPPesen  
5 DEC 14 16-2 Eff 11 Dec

NORILSK, RUSSIA  
NDB Rwy 19





### Chart changes since cycle 12-2016

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

ACT PROCEDURE IDENT

## INDEX

REV DATE

EFF DATE

**NORILSK, (ALYKEL - U000)**

## TERMINAL CHART CHANGE NOTICES

### Chart Change Notices for Airport UOOO

**Type:** Terminal

**Effectivity:** Permanent

**Begin Date:** Immediately

**End Date:** No end date

For russian users or emergency only.