

**ADD = Added chart, REV = Revised chart, DEL = Deleted chart.**

**No revision activity since Disc 10-2010**

# **TERMINAL CHART NOTAMs**

## **Chart NOTAMs for Airport UAUU**

**Type:** Terminal

**Effectivity:** Temporary

**Begin Date:** Immediately

**End Date:** Until Further Notice

ATIS freq 129.8 MHz withdrawn.

***UAUU (Narimanovka)*****General Info**

Kostanay, KAZ

N 53° 12.4' E 63° 33.0' Mag Var: 11.1°E

Elevation: 600'

Public, IFR, Control Tower, Customs, Landing Fee

Fuel: 100-130, 115-145, Jet, Jet A-1

Repairs: Minor Airframe, Minor Engine

Time Zone Info: GMT+6:00 no DST

**Runway Info**

Runway 15-33 8248' x 157' asphalt

Runway 15 (146.0°M) TDZE 597'

Lights: Edge, ALS

Runway 33 (326.0°M) TDZE 571'

Lights: Edge, ALS

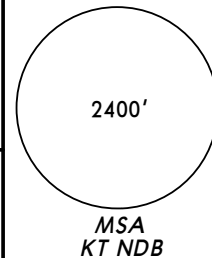
**Communications Info**Kostanay Tower **129.3****Notebook Info**

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**NARIMANOVKA**

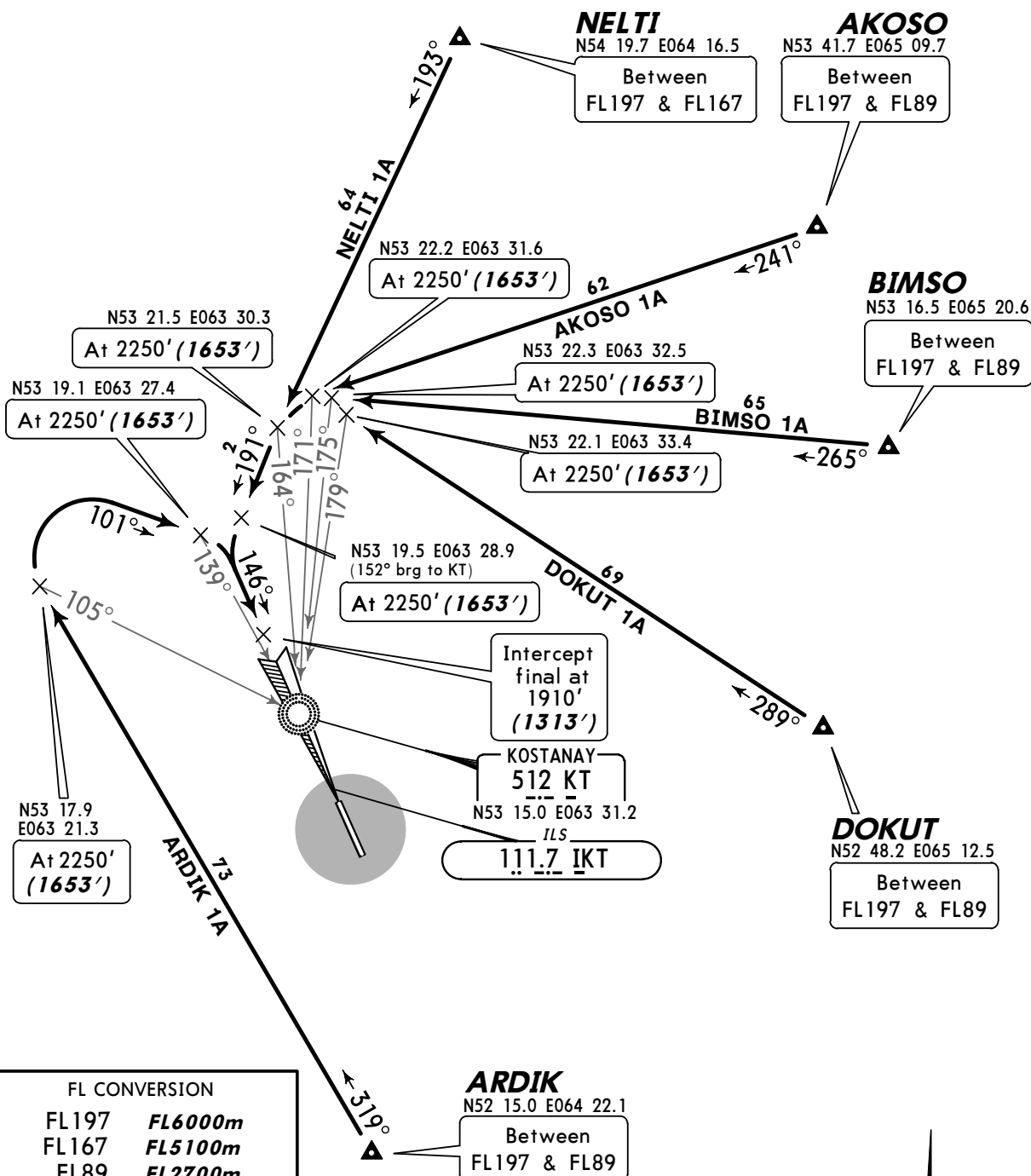
**JEPPESEN KOSTANAY, KAZAKHSTAN**  
6 NOV 09 **10-2** **Eff 19 Nov** **STAR**

**Apt Elev**  
**600'**

Alt Set: MM (hPa on request) QNH on request **(QFE)**  
Trans level: FL39 Trans alt: 2250' **(1653')**  
1. FL by ATC.  
2. When radar control is not provided, proceed to KT, then in accordance with approach pattern.



**AKOSO 1A [AKOS1A], ARDIK 1A [ARDI1A]**  
**BIMSO 1A [BIMS1A], DOKUT 1A [DOKU1A]**  
**NELTI 1A [NELT1A]**  
**RWY 15 ARRIVALS**  
**FROM NORTH, EAST & SOUTHEAST**

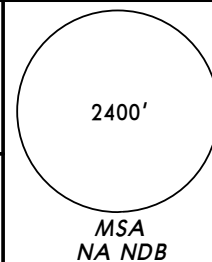


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**NARIMANOVKA**

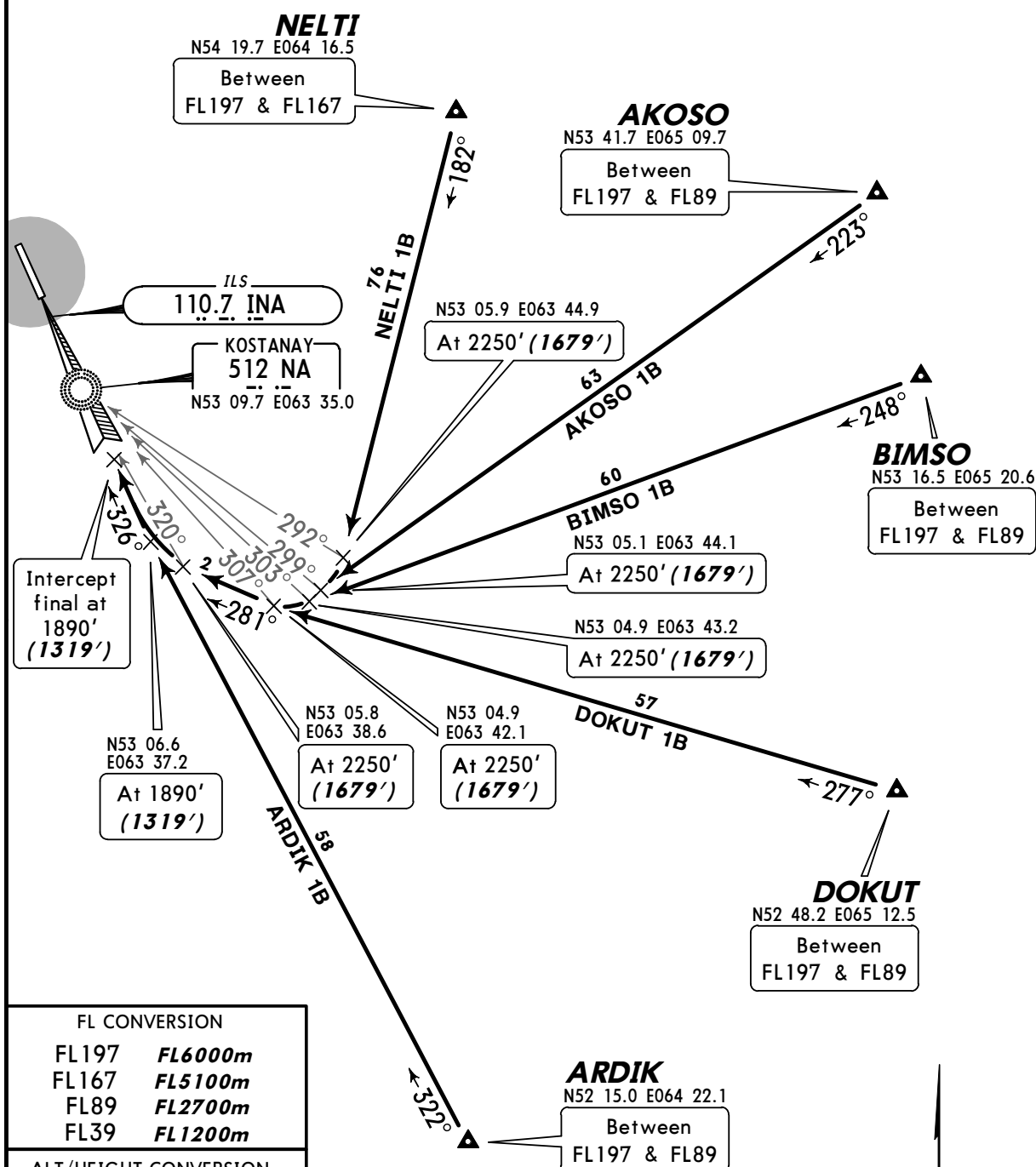
**JEPPESEN KOSTANAY, KAZAKHSTAN**  
6 NOV 09 **(10-2A)** Eff 19 Nov **STAR**

**Apt Elev**  
**600'**

Alt Set: MM (hPa on request) QNH on request (QFE)  
Trans level: FL39 Trans alt: 2250' (1679')  
1. FL by ATC.  
2. When radar control is not provided, proceed to NA, then in accordance with approach pattern.



**AKOSO 1B [AKOS1B]**  
**ARDIK 1B [ARDI1B]**  
**BIMSO 1B [BIMS1B]**  
**DOKUT 1B [DOKU1B]**  
**NELTI 1B [NELT1B]**  
**RWY 33 ARRIVALS**  
**FROM NORTH, EAST & SOUTHEAST**

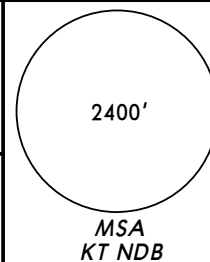


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**NARIMANOVKA**

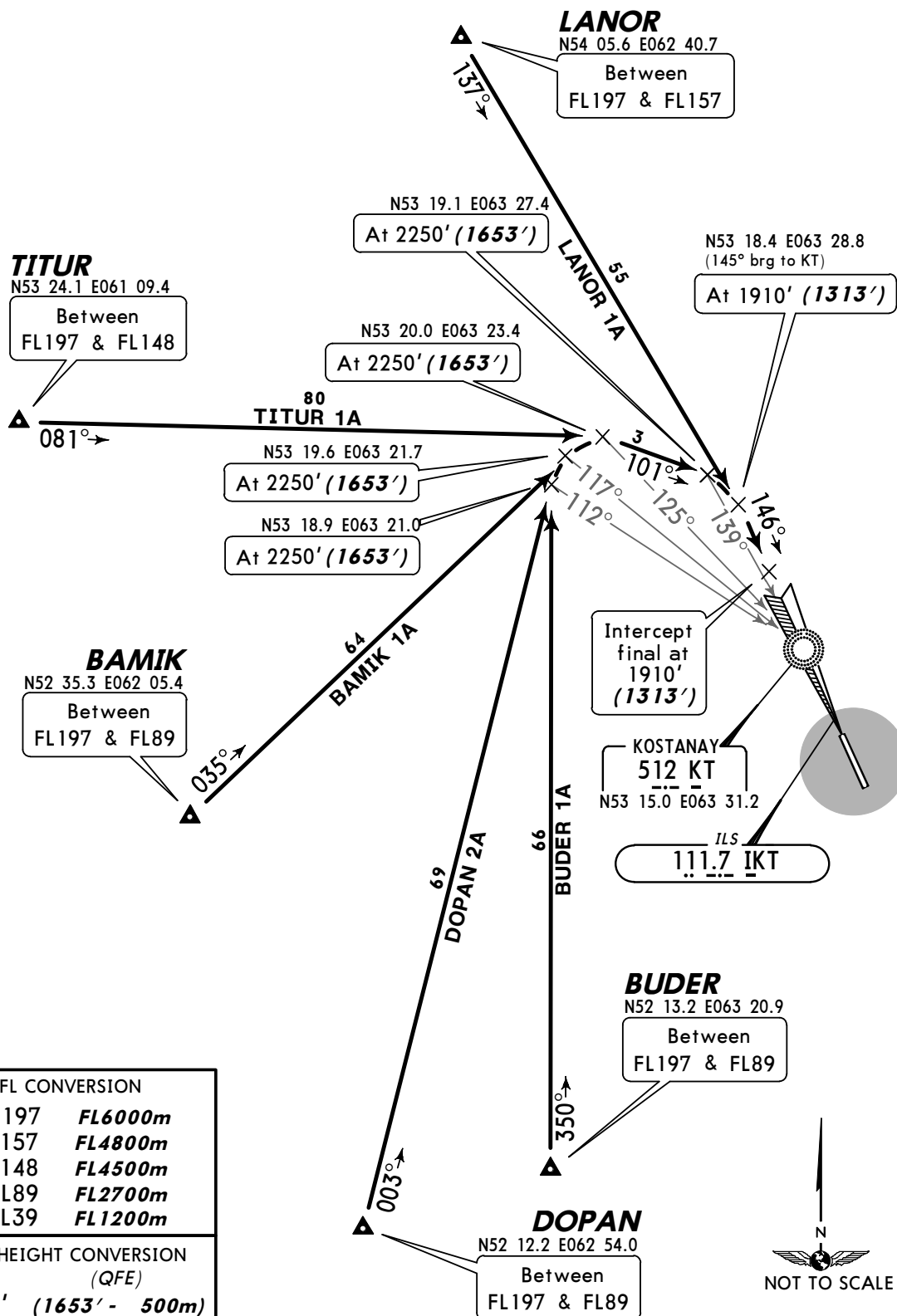
**JEPPESEN KOSTANAY, KAZAKHSTAN**  
6 NOV 09 **10-2B** Eff 19 Nov **STAR**

**Apt Elev**  
**600'**

Alt Set: MM (hPa on request) QNH on request (QFE)  
Trans level: FL39 Trans alt: 2250' (1653')  
1. FL by ATC.  
2. When radar control is not provided, proceed to KT, then in accordance with approach pattern.



**BAMIK 1A [BAMI1A] , BUDER 1A [BUDE1A]**  
**DOPAN 2A [DOPA2A] , LANOR 1A [LANO1A]**  
**TITUR 1A [TITU1A]**  
**RWY 15 ARRIVALS**  
**FROM SOUTHWEST, WEST & NORTHWEST**

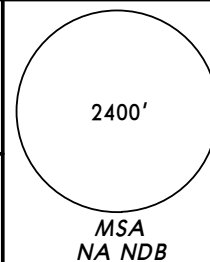


**UAUU/KSN**  
**NARIMANOVKA**

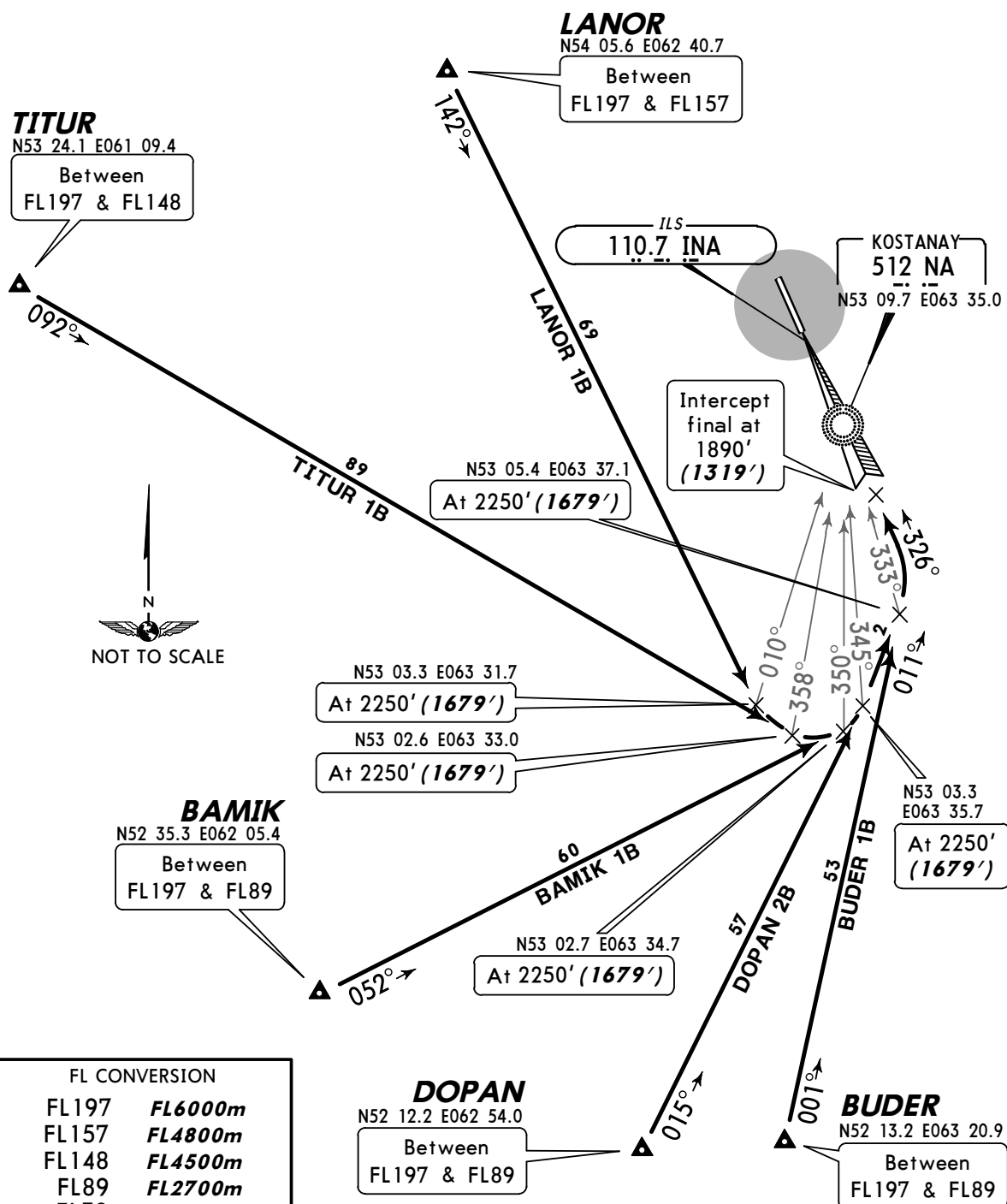
**JEPPESEN KOSTANAY, KAZAKHSTAN**  
6 NOV 09 **(10-2C)** **Eff 19 Nov** **STAR**

**Apt Elev**  
**600'**

Alt Set: MM (hPa on request) QNH on request (QFE)  
Trans level: FL39 Trans alt: 2250' (1679')  
1. FL by ATC.  
2. When radar control is not provided, proceed to NA, then in accordance with approach pattern.



**BAMIK 1B [BAMI1B] , BUDER 1B [BUDE1B]**  
**DOPAN 2B [DOPA2B] , LANOR 1B [LANO1B]**  
**TITUR 1B [TITU1B]**  
**RWY 33 ARRIVALS**  
**FROM SOUTHWEST, WEST & NORTHWEST**



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**NARIMANOVKA**

6 NOV 09

10-3

Eff 19 Nov

**SID**

Apt Elev  
**600'**

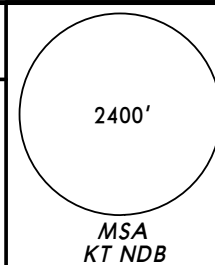
QNH on request **(QFE)**

Trans level: FL39

Trans alt: 2250'

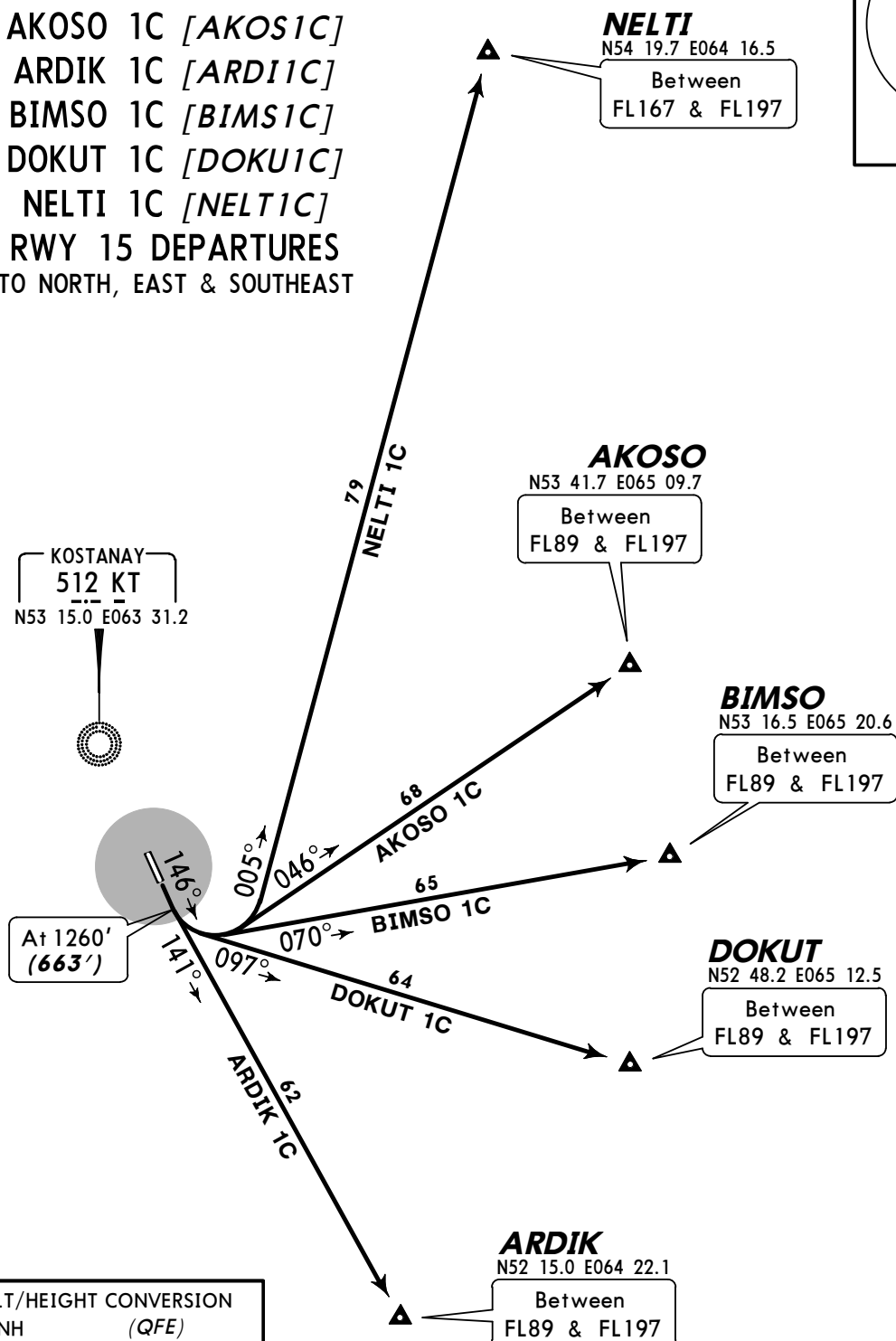
**(1653')**

FL by ATC.



**AKOSO 1C [AKOS1C]**  
**ARDIK 1C [ARDI1C]**  
**BIMSO 1C [BIMS1C]**  
**DOKUT 1C [DOKU1C]**  
**NELTI 1C [NELT1C]**  
**RWY 15 DEPARTURES**  
**TO NORTH, EAST & SOUTHEAST**

KOSTANAY  
**512 KT**  
N53 15.0 E063 31.2



**ALT/HEIGHT CONVERSION**  
QNH **(QFE)**  
1260' **(663' - 200m)**  
2250' **(1653' - 500m)**

**FL CONVERSION**  
FL39 **FL1200m**  
FL89 **FL2700m**  
FL167 **FL5100m**  
FL197 **FL6000m**

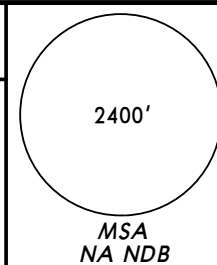


| SID             | ROUTING                                                        |
|-----------------|----------------------------------------------------------------|
| <b>AKOSO 1C</b> | Climb to 1260' <b>(663')</b> , turn LEFT, 046° track to AKOSO. |
| <b>ARDIK 1C</b> | Climb to 1260' <b>(663')</b> , turn LEFT, 141° track to ARDIK. |
| <b>BIMSO 1C</b> | Climb to 1260' <b>(663')</b> , turn LEFT, 070° track to BIMSO. |
| <b>DOKUT 1C</b> | Climb to 1260' <b>(663')</b> , turn LEFT, 097° track to DOKUT. |
| <b>NELTI 1C</b> | Climb to 1260' <b>(663')</b> , turn LEFT, 005° track to NELTI. |

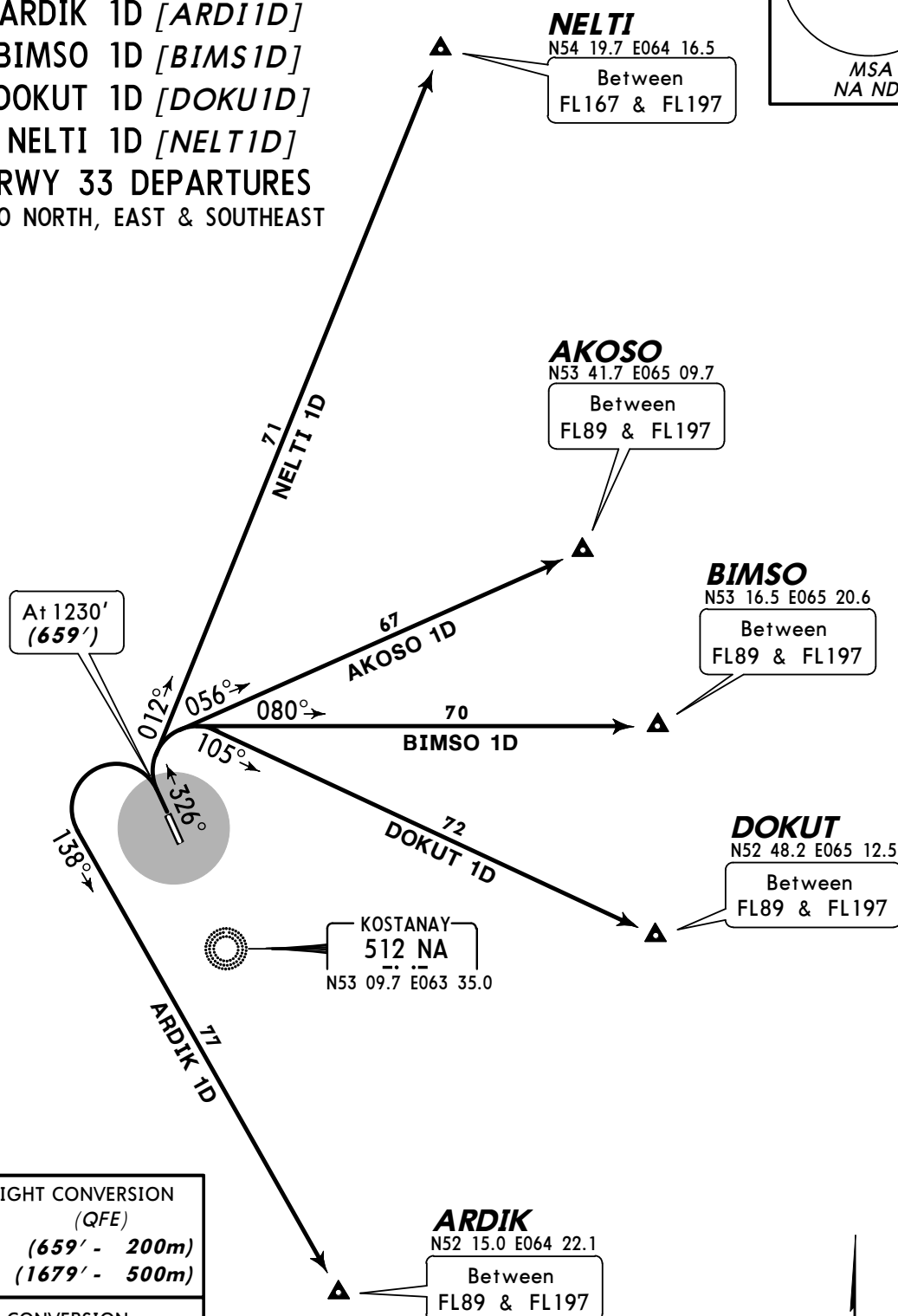
**UAUU/KSN**  
**NARIMANOVKA**

**JEPPESEN KOSTANAY, KAZAKHSTAN**  
6 NOV 09 **(10-3A)** **Eff 19 Nov** **SID**

**Apt Elev**  
**600'** QNH on request **(QFE)**  
Trans level: FL39 Trans alt: 2250' **(1679')** FL by ATC.



**AKOSO 1D [AKOS1D]**  
**ARDIK 1D [ARDI1D]**  
**BIMSO 1D [BIMS1D]**  
**DOKUT 1D [DOKU1D]**  
**NELTI 1D [NELT1D]**  
**RWY 33 DEPARTURES**  
**TO NORTH, EAST & SOUTHEAST**



**ALT/HEIGHT CONVERSION**  
QNH **(QFE)**  
1230' **(659' - 200m)**  
2250' **(1679' - 500m)**

**FL CONVERSION**  
FL39 **FL1200m**  
FL89 **FL2700m**  
FL167 **FL5100m**  
FL197 **FL6000m**



| SID             | ROUTING                                                         |
|-----------------|-----------------------------------------------------------------|
| <b>AKOSO 1D</b> | Climb to 1230' <b>(659')</b> , turn RIGHT, 056° track to AKOSO. |
| <b>ARDIK 1D</b> | Climb to 1230' <b>(659')</b> , turn LEFT, 138° track to ARDIK.  |
| <b>BIMSO 1D</b> | Climb to 1230' <b>(659')</b> , turn RIGHT, 080° track to BIMSO. |
| <b>DOKUT 1D</b> | Climb to 1230' <b>(659')</b> , turn RIGHT, 105° track to DOKUT. |
| <b>NELTI 1D</b> | Climb to 1230' <b>(659')</b> , turn RIGHT, 012° track to NELTI. |

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**NARIMANOVKA**

6 NOV 09

**(10-3B)****Eff 19 Nov****SID****Apt Elev**  
**600'**QNH on request **(QFE)**

Trans level: FL39

Trans alt: 2250'

**(1653')**

FL by ATC.

**BAMIK 1C [BAMI1C]**  
**BUDER 1C [BUDE1C]**  
**DOPAN 2C [DOPA2C]**  
**LANOR 1C [LANO1C]**  
**TITUR 1C [TITU1C]**  
**RWY 15 DEPARTURES**  
**TO SOUTHWEST, WEST & NORTHWEST**

**TITUR**

N53 24.1 E061 09.4

Between  
FL148 & FL197**BAMIK**

N52 35.3 E062 05.4

Between  
FL89 & FL197**DOPAN**

N52 12.2 E062 54.0

Between  
FL89 & FL197**LANOR**

N54 05.6 E062 40.7

Between  
FL157 & FL197

2400'

MSA  
KT NDB

KOSTANAY  
**512 KT**  
 N53 15.0 E063 31.2

**ALT/HEIGHT CONVERSION**  
 QNH **(QFE)**  
 1260' **(663' - 200m)**  
 2250' **(1653' - 500m)**

**FL CONVERSION**

FL39 **FL1200m**  
 FL89 **FL2700m**  
 FL148 **FL4500m**  
 FL157 **FL4800m**  
 FL197 **FL6000m**

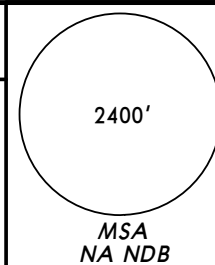
**SID****ROUTING**

|                 |                                                                 |
|-----------------|-----------------------------------------------------------------|
| <b>BAMIK 1C</b> | Climb to 1260' <b>(663')</b> , turn RIGHT, 229° track to BAMIK. |
| <b>BUDER 1C</b> | Climb to 1260' <b>(663')</b> , turn RIGHT, 179° track to BUDER. |
| <b>DOPAN 2C</b> | Climb to 1260' <b>(663')</b> , turn RIGHT, 194° track to DOPAN. |
| <b>LANOR 1C</b> | Climb to 1260' <b>(663')</b> , turn RIGHT, 323° track to LANOR. |
| <b>TITUR 1C</b> | Climb to 1260' <b>(663')</b> , turn RIGHT, 272° track to TITUR. |

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**NARIMANOVKA**

**JEPPESEN KOSTANAY, KAZAKHSTAN**  
6 NOV 09 **(10-3C)** **Eff 19 Nov** **SID**

**Apt Elev**  
**600'** QNH on request **(QFE)**  
Trans level: FL39 Trans alt: 2250' **(1679')** FL by ATC.



**BAMIK 1D [BAMI1D]**  
**BUDER 1D [BUDE1D]**  
**DOPAN 2D [DOPA2D]**  
**LANOR 1D [LANO1D]**  
**TITUR 1D [TITU1D]**  
**RWY 33 DEPARTURES**  
**TO SOUTHWEST, WEST & NORTHWEST**

**TITUR**

N53 24.1 E061 09.4

Between  
FL148 & FL197

**TITUR 1D**  
86



**BAMIK**

N52 35.3 E062 05.4

Between  
FL89 & FL197

**LANOR**

N54 05.6 E062 40.7

Between  
FL157 & FL197

At 1230'  
**(659')**



**KOSTANAY**  
**512 NA**  
N53 09.7 E063 35.0

**DOPAN**

N52 12.2 E062 54.0

Between  
FL89 & FL197

**BUDER**

N52 13.2 E063 20.9

Between  
FL89 & FL197

**ALT/HEIGHT CONVERSION**  
QNH **(QFE)**  
1230' **(659' - 200m)**  
2250' **(1679' - 500m)**

**FL CONVERSION**

FL39 **FL1200m**  
FL89 **FL2700m**  
FL148 **FL4500m**  
FL157 **FL4800m**  
FL197 **FL6000m**

| SID             | ROUTING                                                        |
|-----------------|----------------------------------------------------------------|
| <b>BAMIK 1D</b> | Climb to 1230' <b>(659')</b> , turn LEFT, 218° track to BAMIK. |
| <b>BUDER 1D</b> | Climb to 1230' <b>(659')</b> , turn LEFT, 172° track to BUDER. |
| <b>DOPAN 2D</b> | Climb to 1230' <b>(659')</b> , turn LEFT, 185° track to DOPAN. |
| <b>LANOR 1D</b> | Climb to 1230' <b>(659')</b> , turn LEFT, 318° track to LANOR. |
| <b>TITUR 1D</b> | Climb to 1230' <b>(659')</b> , turn LEFT, 264° track to TITUR. |

**UAUU/KSN**

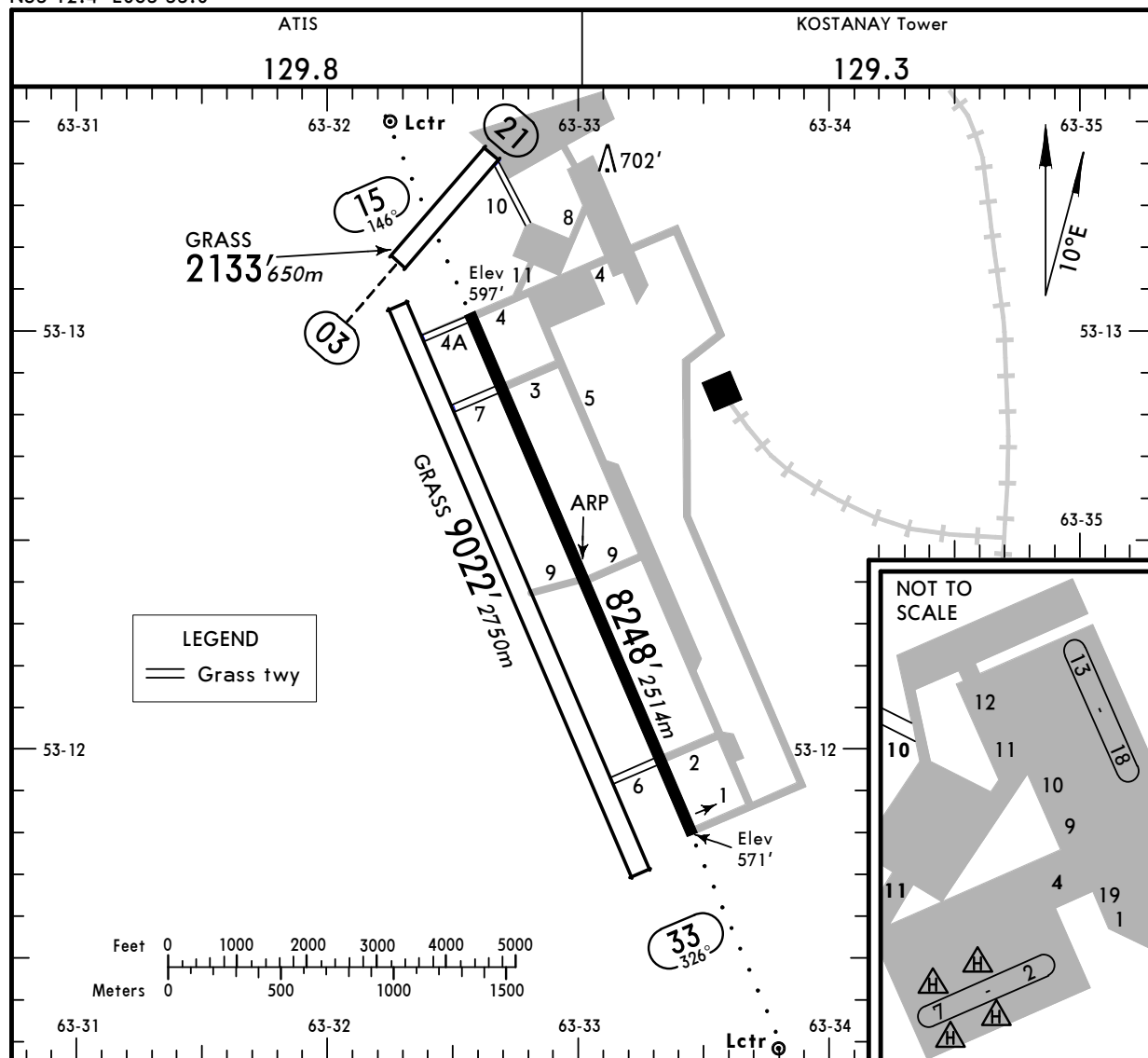
Apt Elev **600'**  
N53 12.4 E063 33.0

**JEPPESSEN KOSTANAY, KAZAKHSTAN**

9 MAY 08

(10-9)

**NARIMANOVKA**



| ADDITIONAL RUNWAY INFORMATION |              |     |                |                |          |
|-------------------------------|--------------|-----|----------------|----------------|----------|
| RWY                           |              |     | USABLE LENGTHS |                |          |
|                               |              |     | Threshold      | Landing Beyond | Take-Off |
| 03                            |              |     |                |                |          |
| 21                            |              |     |                |                |          |
| 15                            | RL (60m) ALS | RVR |                | 7337' 2236m    |          |
| 33                            |              |     |                | 7215' 2199m    |          |
| 15                            | Grass runway |     |                |                |          |
| 33                            |              |     |                |                |          |
|                               |              |     |                |                |          |
|                               |              |     |                |                |          |

| TAKE-OFF                       |               |               |
|--------------------------------|---------------|---------------|
| AIR CARRIER (JAA)<br>All Rwy's |               |               |
|                                | DAY           | NIGHT         |
| A                              | RL            | RL            |
| B                              |               |               |
| C                              | 400m <b>I</b> | 400m <b>I</b> |
| D                              |               |               |

**I** LVP must be in force: 300m.

CHANGES: ATIS frequency established. Usable lengths.

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**UAUU/KSN**  
**NARIMANOVKA**

**JEPPesen**  
9 MAY 08 **(11-1)**

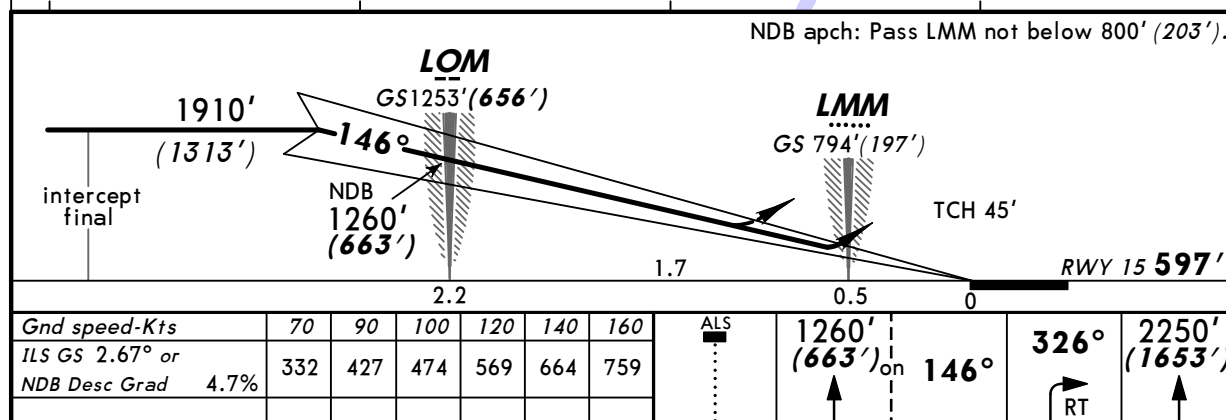
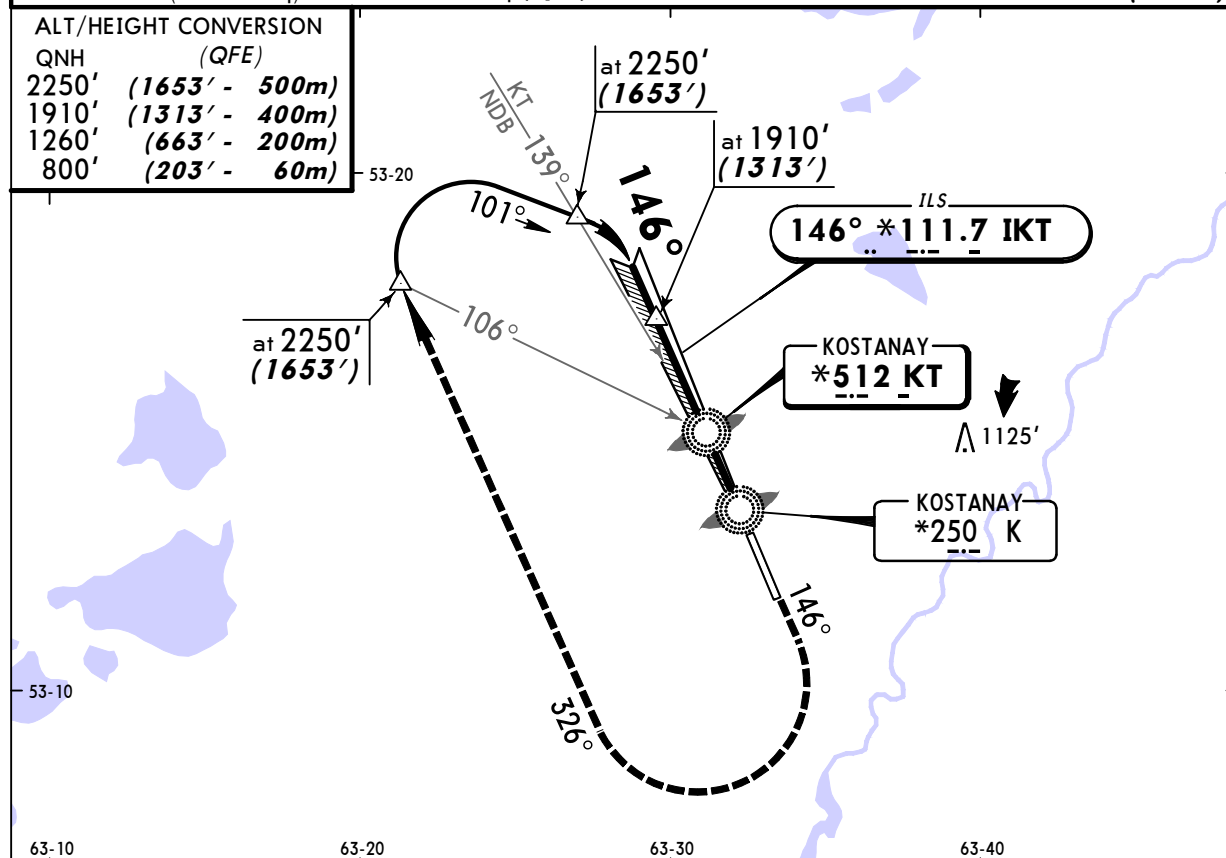
**KOSTANAY, KAZAKHSTAN**  
**ILS or 2 NDB Rwy 15**

BRIEFING STRIP

|                                                                                                                           |                           |                                   |                                      |                               |                                         |
|---------------------------------------------------------------------------------------------------------------------------|---------------------------|-----------------------------------|--------------------------------------|-------------------------------|-----------------------------------------|
| ATIS<br>129.8                                                                                                             |                           |                                   |                                      | KOSTANAY Tower<br>129.3       |                                         |
| LOC<br>IKT<br>*111.7                                                                                                      | Final<br>Apch Crs<br>146° | GS<br>LOM<br>1253'(656')          | ILS<br>DA(H)<br>Refer to<br>Minimums | Apt Elev 600'<br><br>RWY 597' | <div>2400'</div> <div>MSA<br/>ARP</div> |
| NDB<br>KT<br>*512                                                                                                         |                           | Minimum Alt<br>LOM<br>1260'(663') | NDB<br>MDA(H)<br>930'(333')          |                               |                                         |
| MISSED APCH: Climb on 146° to 1260' (663'), then turn RIGHT onto 326° climbing to 2250' (1653'), then according to chart. |                           |                                   |                                      |                               |                                         |
| Alt Set: MM (hPa on req)      QNH on req (QFE)      Trans level: FL 39      Trans alt: 2250' (1653')                      |                           |                                   |                                      |                               |                                         |

**ALT/HEIGHT CONVERSION**

| QNH   | (QFE)          |
|-------|----------------|
| 2250' | (1653' - 500m) |
| 1910' | (1313' - 400m) |
| 1260' | (663' - 200m)  |
| 800'  | (203' - 60m)   |



| STRAIGHT-IN LANDING RWY 15              |       |  |                 |  |                          |  |  |         |  |
|-----------------------------------------|-------|--|-----------------|--|--------------------------|--|--|---------|--|
| ILS<br>AB: 797'(200')<br>CD: 827'(230') |       |  | LOC<br>(GS out) |  | NDB<br>MDA(H) 930'(333') |  |  |         |  |
| FULL                                    |       |  | ALS out         |  |                          |  |  | ALS out |  |
| A                                       | 1200m |  | NOT AUTH        |  | RVR 1500m<br>VIS 1600m   |  |  |         |  |
| B                                       |       |  |                 |  |                          |  |  |         |  |
| C                                       |       |  |                 |  |                          |  |  |         |  |
| D                                       |       |  |                 |  |                          |  |  |         |  |

PANS OPS

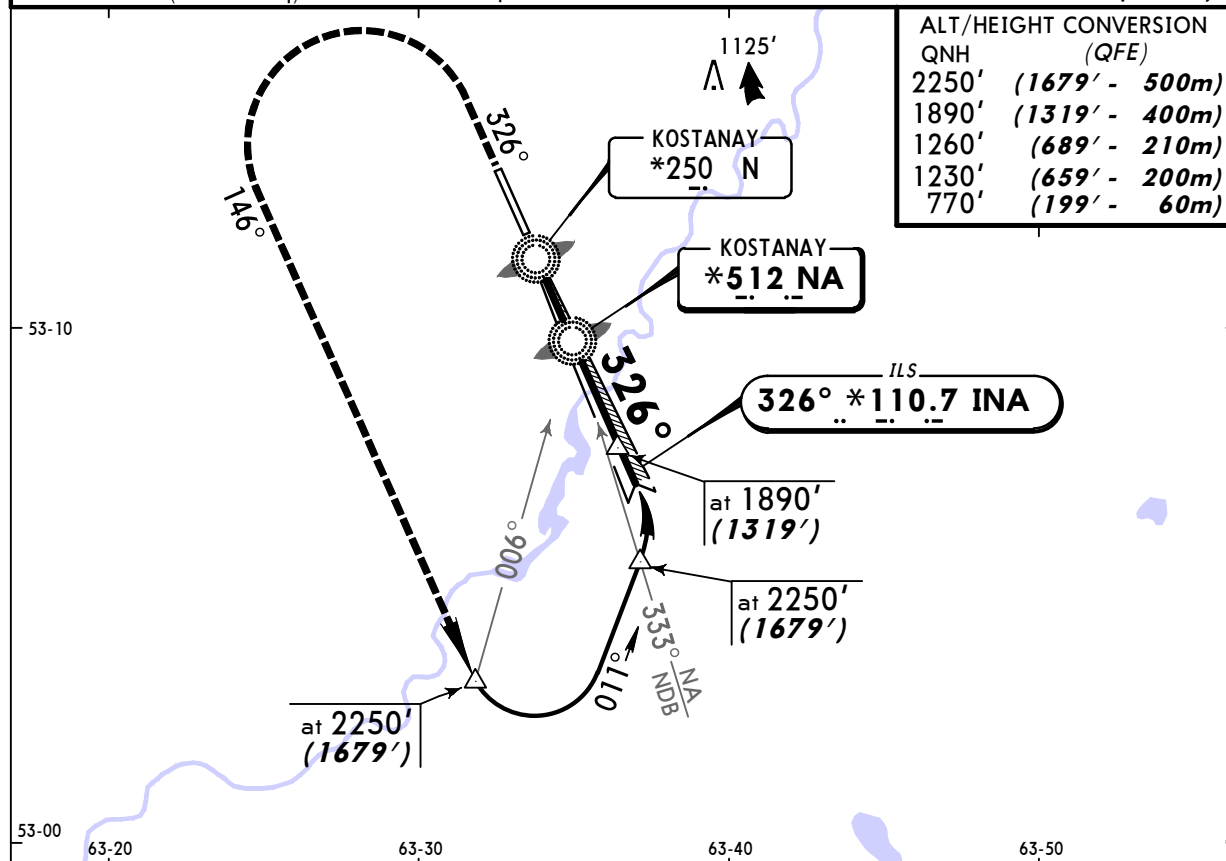
**UAUU/KSN**  
**NARIMANOVKA**

**JEPPesen**  
9 MAY 08 **(11-2)**

**KOSTANAY, KAZAKHSTAN**  
**ILS or 2 NDB Rwy 33**

BRIEFING STRIP

|                                                                                                                          |                           |                                          |                                      |                               |                                         |
|--------------------------------------------------------------------------------------------------------------------------|---------------------------|------------------------------------------|--------------------------------------|-------------------------------|-----------------------------------------|
| ATIS<br>129.8                                                                                                            |                           |                                          |                                      | KOSTANAY Tower<br>129.3       |                                         |
| LOC<br>INA<br>*110.7                                                                                                     | Final<br>Apch Crs<br>326° | GS/<br>Minimum Alt<br>LOM<br>1260'(689') | ILS<br>DA(H)<br>Refer to<br>Minimums | Apt Elev 600'<br><br>RWY 571' | <div>2400'</div> <div>MSA<br/>ARP</div> |
| NDB<br>NA<br>*512                                                                                                        |                           |                                          | NDB<br>MDA(H)<br>940'(369')          |                               |                                         |
| MISSED APCH: Climb on 326° to 1230' (659'), then turn LEFT onto 146° climbing to 2250' (1679'), then according to chart. |                           |                                          |                                      |                               |                                         |
| Alt Set: MM (hPa on req) QNH on req (QFE)                                                                                |                           | Trans level: FL 39                       |                                      | Trans alt: 2250' (1679')      |                                         |



NDB apch: Pass LMM not below 770' (199').

Diagram illustrating the NDB approach for RWY 33, showing the glide path, LMM (Localizer Minimums Marker), LOM (Localizer Outer Marker), and intercept final point.

Key data points from the diagram:

- RWY 33 571'
- TCH 46'
- LMM: GS 768' (197')
- LOM: GS 1260' (689')
- Intercept final: 1890' (1319')
- Distance scale: 0, 0.6, 2.2

| Gnd speed-Kts                      | 70  | 90  | 100 | 120 | 140 | 160 |
|------------------------------------|-----|-----|-----|-----|-----|-----|
| ILS GS 2.67° or NDB Desc Grad 4.7% | 332 | 427 | 474 | 569 | 664 | 759 |

ALS (Approach Light System) is located at 1230' (659') on the 326° glide path.

Final intercept point is 146° LT (Localizer Turn) at 2250' (1679').

|                                          |       |                                   |          |                    |  |
|------------------------------------------|-------|-----------------------------------|----------|--------------------|--|
| <b>ILS</b>                               |       | <b>STRAIGHT-IN LANDING RWY 33</b> |          | <b>NDB</b>         |  |
| DA(H) AB: 771' (200')<br>CD: 801' (230') |       | LOC (GS out)                      |          | MDA(H) 940' (369') |  |
| FULL                                     |       | ALS out                           |          | ALS out            |  |
| A                                        | 1200m |                                   | NOT AUTH | 1700m              |  |
| B                                        |       |                                   |          |                    |  |
| C                                        |       |                                   |          |                    |  |
| D                                        |       |                                   |          |                    |  |

PANS OPS