

Page 1  
Changed chart(s) since Disc 10-2010  
ADD = Added chart, REV = Revised chart, DEL = Deleted chart.

| ACT | PROCEDURE IDENT | INDEX | REV DATE | EFF DATE |
|-----|-----------------|-------|----------|----------|
|-----|-----------------|-------|----------|----------|

No revision activity since Disc 10-2010

## **TERMINAL CHART NOTAMs**

**No Chart NOTAMs for Airport UMMG**

**General Info**

Grodno, BLR

N 53° 36.1' E 24° 03.2' Mag Var: 4.6°E

Elevation: 443'

Public, IFR, Customs, Landing Fee

Fuel: Jet A-1

Repairs: Minor Airframe, Minor Engine

Time Zone Info: GMT+2:00 uses DST

**Runway Info**

Runway 09-27 2185' x 92' asphalt

Runway 17-35 8399' x 138' concrete

Runway 09 (80.0°M) TDZE 443'

Runway 17 (172.0°M) TDZE 443'

Lights: Edge, ALS

Runway 27 (260.0°M) TDZE 443'

Runway 35 (352.0°M) TDZE 430'

Lights: Edge, ALS

**Communications Info**ATIS **124.25** Non-EnglishGrodno Approach Control **134.5****Notebook Info**

**UMMG/GNA**  
**GRODNO**

**JEPPESEN**  
4 DEC 09 (10-2) Eff 17 Dec

## GRODNO, BELARUS

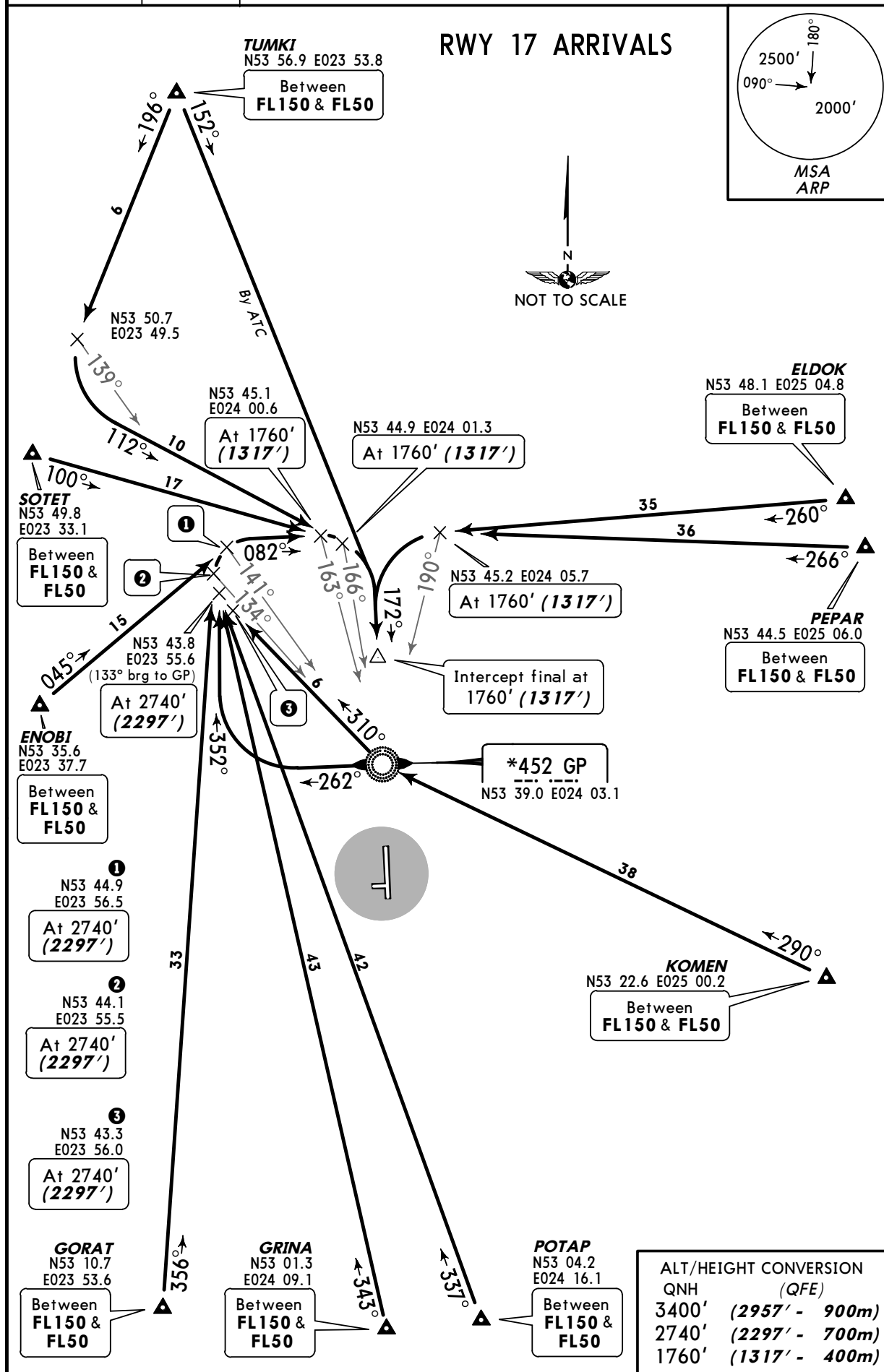
**STAR**

\*ATIS  
124.25  
Russian only

Apt Elev  
443'

Alt Set: MM (hPa on request)    QNH on request    **(QFE)**  
Trans level: FL50  
Trans alt: 3400' **(2957')**

## RWY 17 ARRIVALS



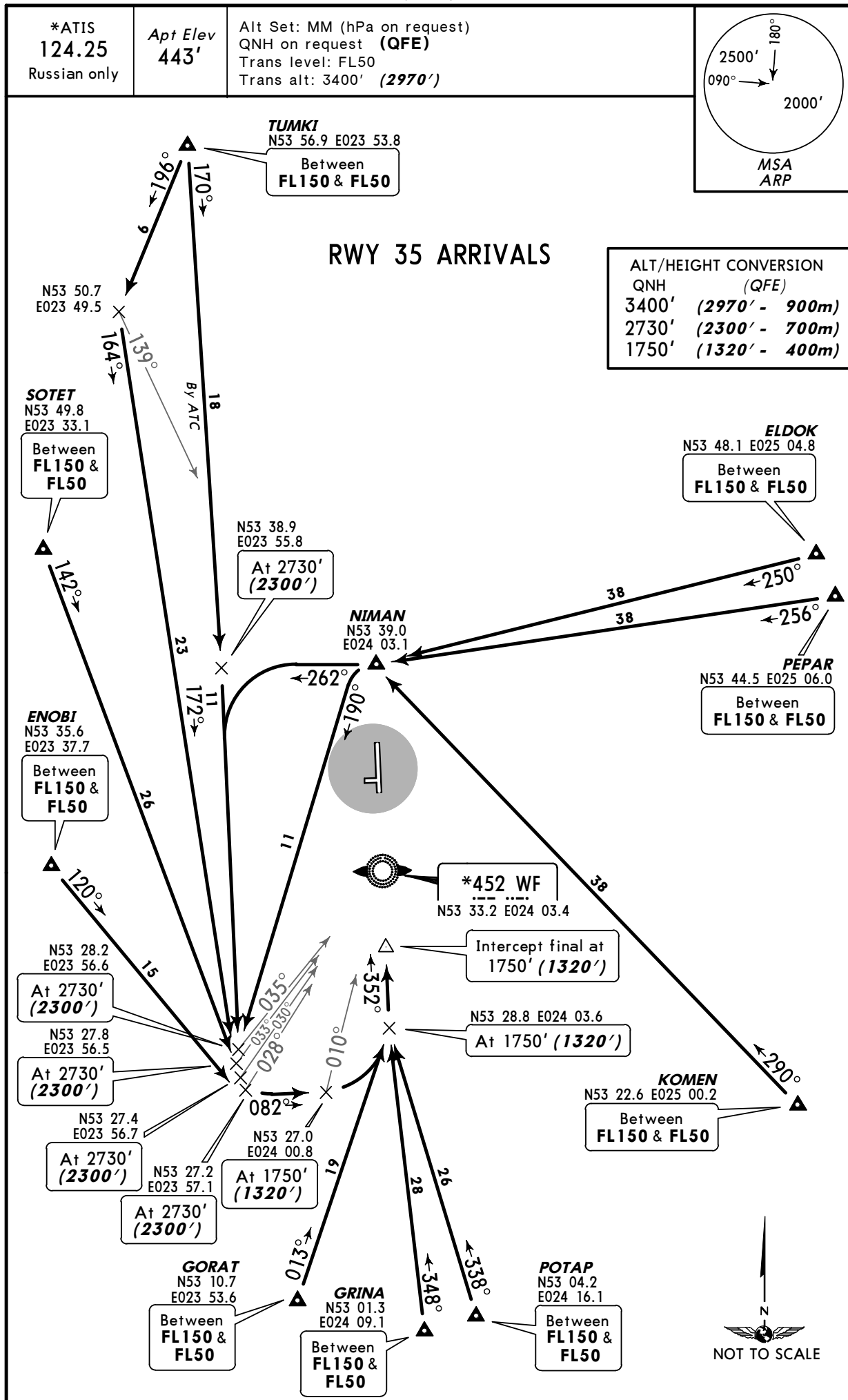
**CHANGES:** ATIS commissioned.

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**UMMG/GNA**  
**GRODNO**

**JEPPesen**  
4 DEC 09 **(10-2A)** Eff 17 Dec

**GRODNO, BELARUS**  
**STAR**



**UMMG/GNA**  
**GRODNO**

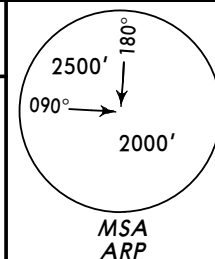
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4 DEC 09 **10-3** **Eff 17 Dec**

**GRODNO, BELARUS**

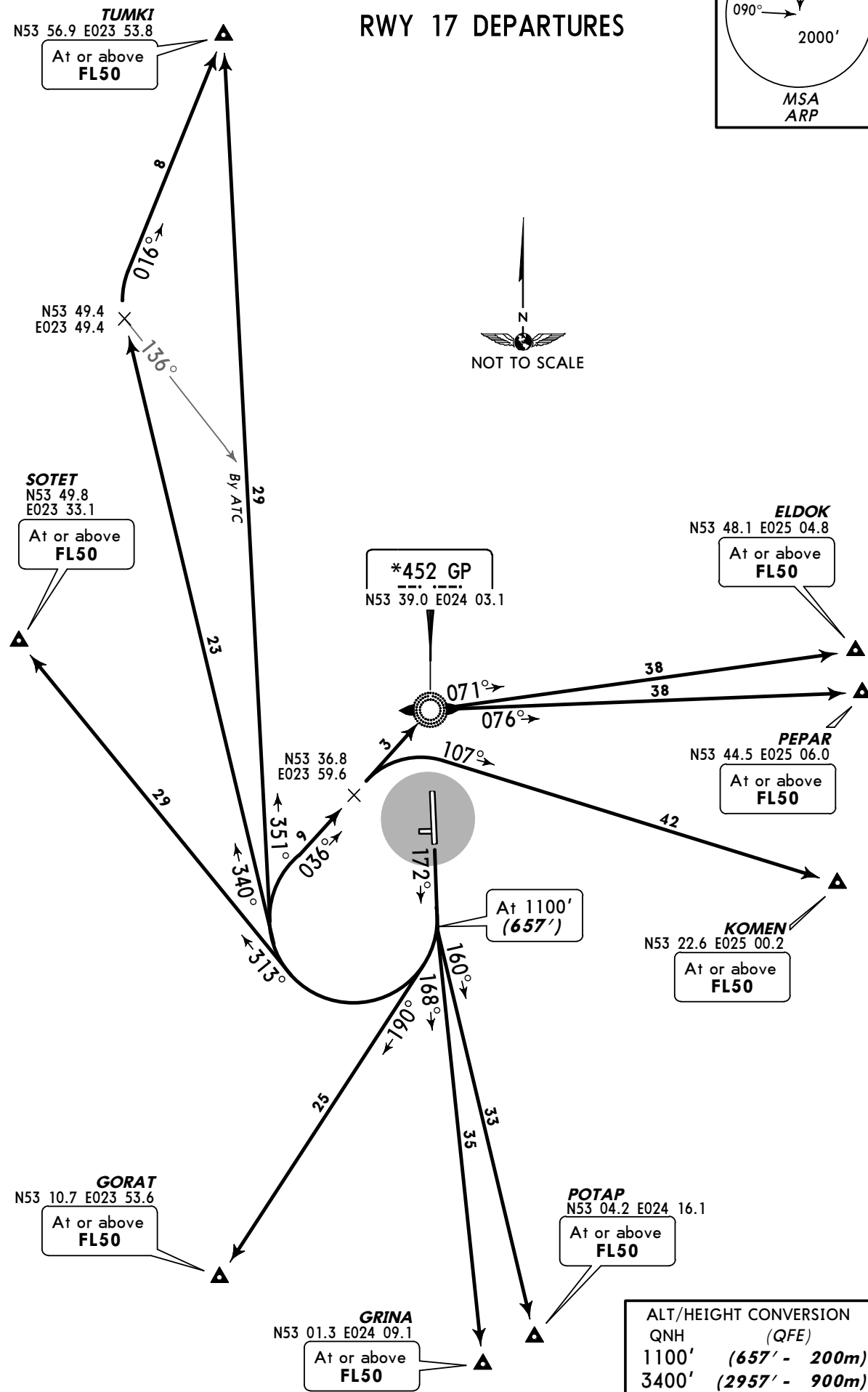
**SID**

Apt Elev  
**443'**

QNH on request **(QFE)**  
Trans level: FL50 Trans alt: 3400' **(2957')**



**RWY 17 DEPARTURES**



**UMMG/GNA**  
**GRODNO**

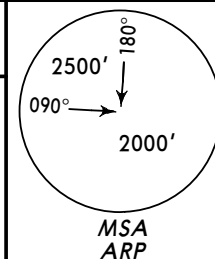
**JEPPESEN**  
4 DEC 09 **(10-3A)** **Eff 17 Dec**

**GRODNO, BELARUS**

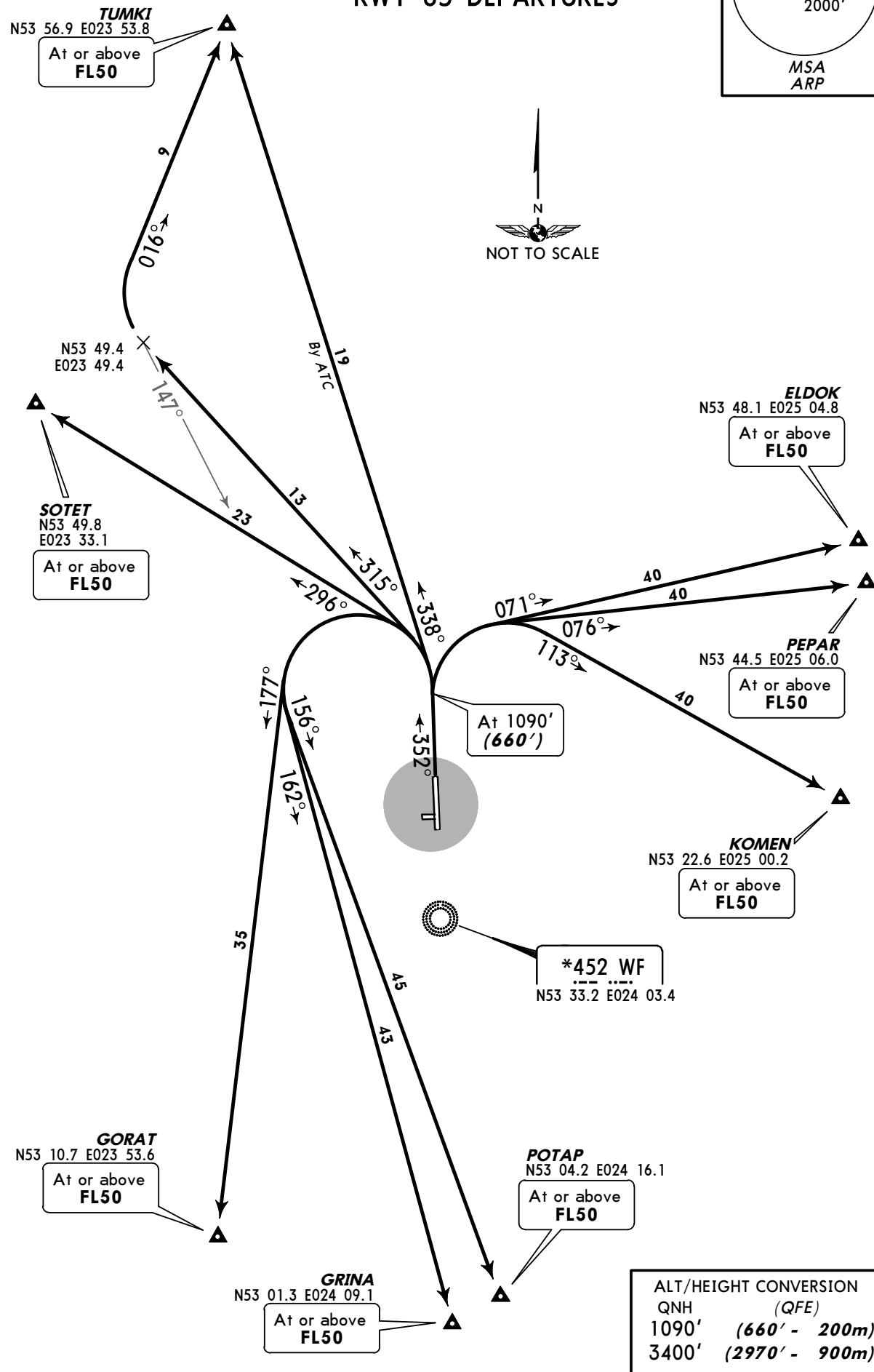
**SID**

*Apt Elev*  
**443'**

QNH on request **(QFE)**  
Trans level: FL50 Trans alt: 3400' **(2970')**

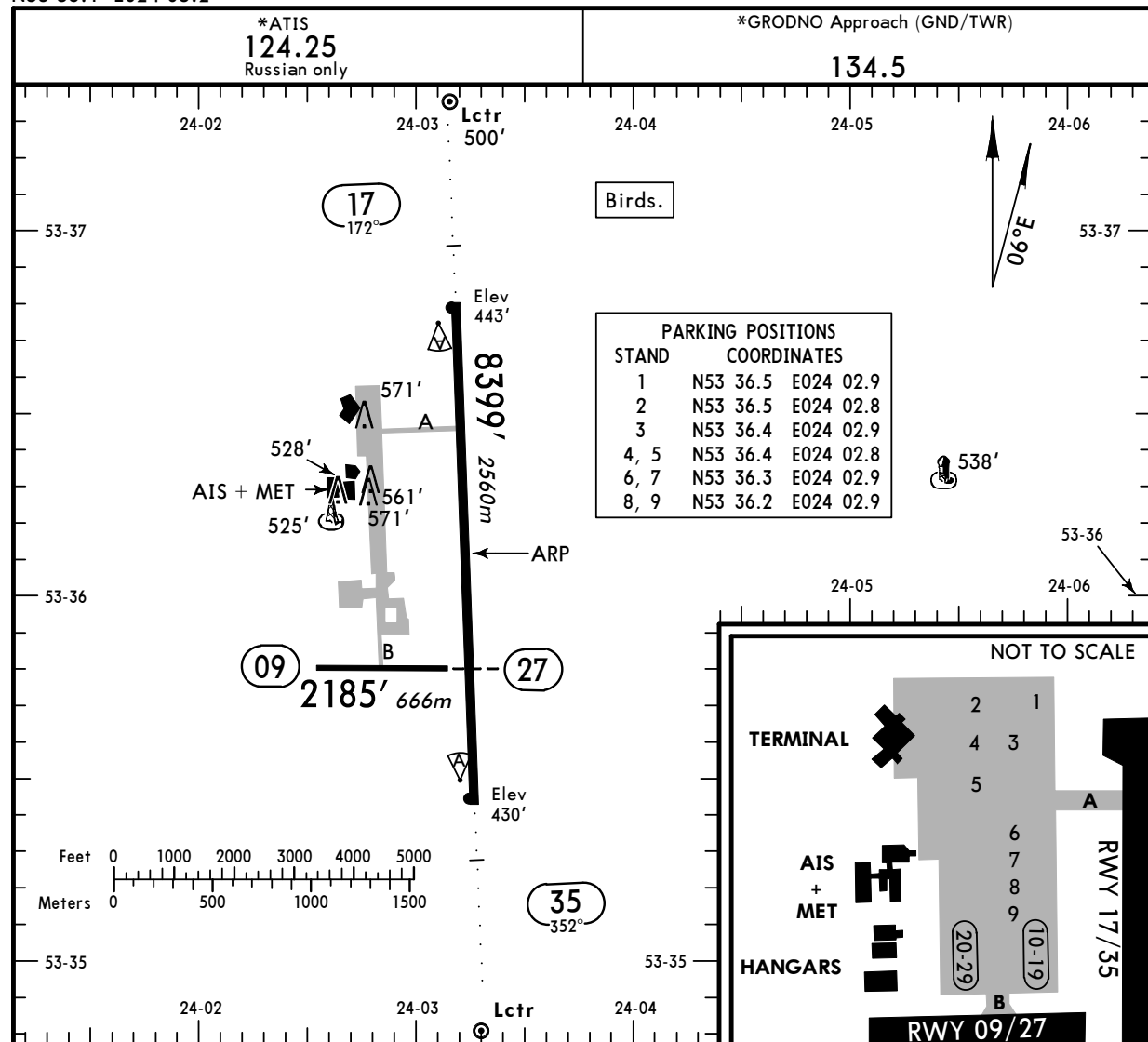


**RWY 35 DEPARTURES**



**UMMG/GNA**Apt Elev **443'**  
N53 36.1 E024 03.2**JEPPesen**

4 DEC 09

**(10-9)****Eff 17 Dec****GRODNO, BELARUS****GRODNO****ADDITIONAL RUNWAY INFORMATION**

|     |                                       | USABLE LENGTHS |             |          |             |
|-----|---------------------------------------|----------------|-------------|----------|-------------|
|     |                                       | LANDING BEYOND |             | TAKE-OFF | WIDTH       |
| RWY |                                       | Threshold      | Glide Slope |          |             |
| 09  |                                       |                |             |          | 92'<br>28m  |
| 27  |                                       |                |             |          |             |
| 17  | RL (60m) ALS PAPI-L (angle 2.67°) RVR |                | 7245' 2208m | ①        | 138'<br>42m |
| 35  |                                       | 8235' 2510m    |             |          |             |
|     |                                       |                |             |          |             |

**1 TAKE OFF RUN AVAILABLE****RWY 17:**From rwy head 8399' (2560m)  
twy int A 5676' (1730m)**RWY 35:**From rwy head 8235' (2510m)  
twy int A 2723' (830m)**TAKE-OFF****AIR CARRIER (JAA)****All Rwys****LVP must be in force**RCLM (DAY only)  
or RLRCLM (DAY only)  
or RL**A****B****C****D**

250m

300m

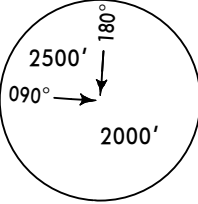
400m

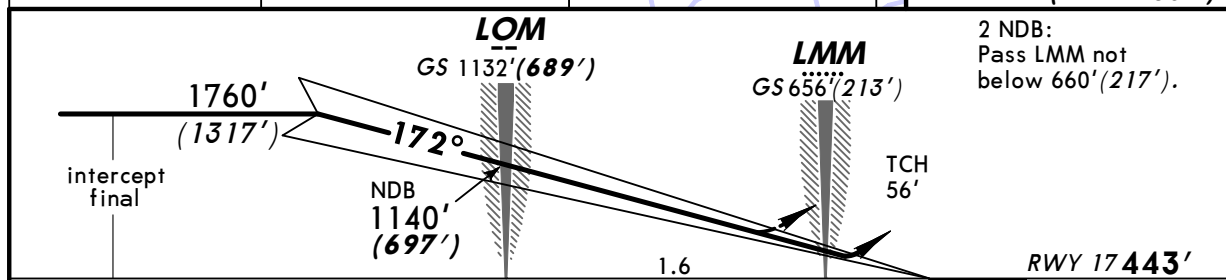
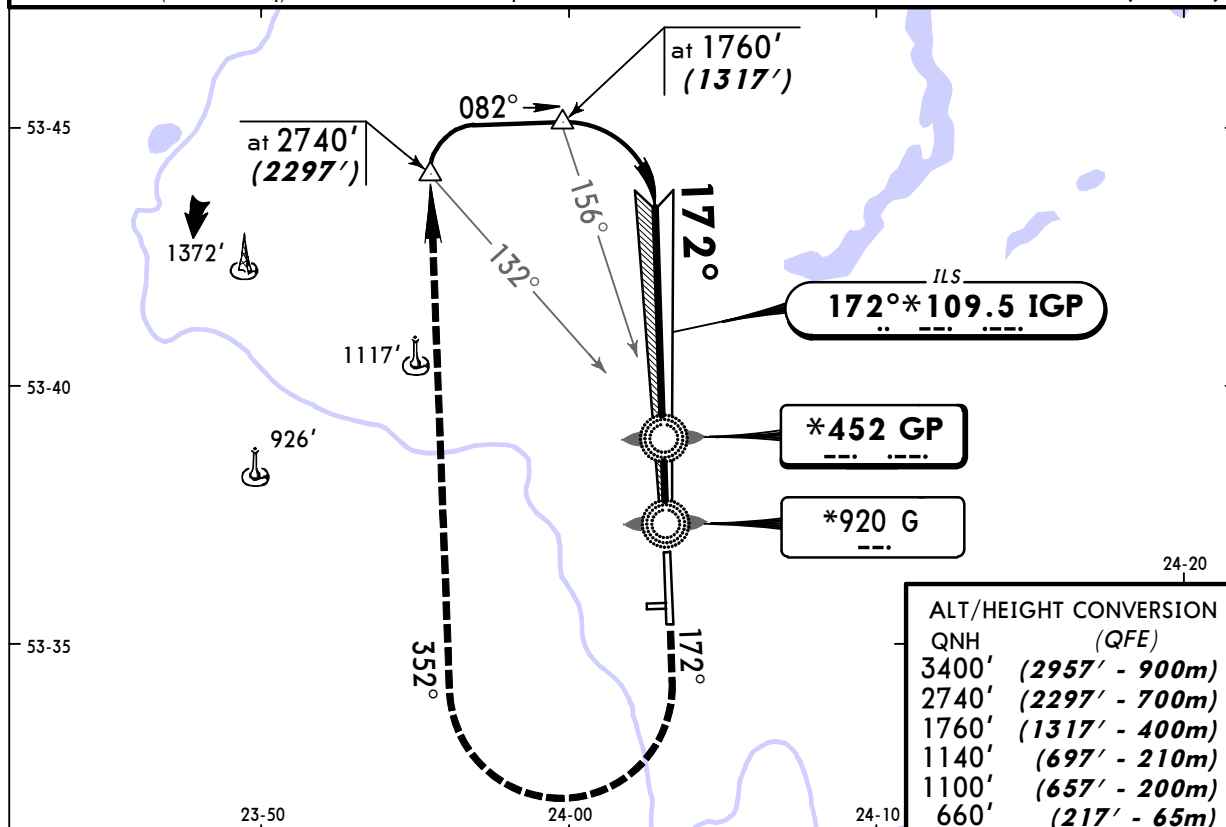
**UMMG/GNA**  
**GRODNO**

**JEPPesen**  
4 DEC 09 **(11-1)** **Eff 17 Dec**

**GRODNO, BELARUS**  
**ILS or 2 NDB Rwy 17**

BRIEFING STRIP

|                                                                                                                           |                           |                                            |                              |                               |                                                                                     |  |
|---------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------------------------------|------------------------------|-------------------------------|-------------------------------------------------------------------------------------|--|
| *ATIS<br>124.25<br>Russian only                                                                                           |                           | *GRODNO Approach(APP/SRE/PAR/TWR)<br>134.5 |                              | *Ground<br>134.5              |                                                                                     |  |
| LOC<br>IGP<br>*109.5                                                                                                      | Final<br>Apch Crs<br>172° | GS<br>LOM<br>1132' (689')                  | ILS<br>DA(H)<br>643' (200')  | Apt Elev 443'<br><br>RWY 443' |  |  |
| NDB<br>GP<br>*452                                                                                                         |                           | Minimum Alt<br>LOM<br>1140' (697')         | NDB<br>MDA(H)<br>790' (347') |                               |                                                                                     |  |
| MISSED APCH: Climb on 172° to 1100' (657'), then turn RIGHT onto 352° climbing to 2740' (2297'), then according to chart. |                           |                                            |                              |                               |                                                                                     |  |
| Alt Set: MM (hPa on req)                                                                                                  |                           | QNH on req (QFE)                           |                              | Trans level: FL 50            |                                                                                     |  |
|                                                                                                                           |                           |                                            |                              | Trans alt: 3400' (2957')      |                                                                                     |  |



|                                |     |     |     |     |     |     |      |                      |      |               |
|--------------------------------|-----|-----|-----|-----|-----|-----|------|----------------------|------|---------------|
| Gnd speed-Kts                  | 70  | 90  | 100 | 120 | 140 | 160 | ALS  | 1100' (657') on 172° | 352° | 2740' (2297') |
| ILS GS or NDB Desc angle 2.67° | 332 | 427 | 474 | 569 | 664 | 759 | PAPI |                      | RT   |               |

| STRAIGHT-IN LANDING RWY 17      |         |              |  |                                  |
|---------------------------------|---------|--------------|--|----------------------------------|
| ILS<br>DA(H) <b>643' (200')</b> |         | LOC (GS out) |  | NDB<br>MDA(H) <b>790' (347')</b> |
| FULL                            | ALS out |              |  | ALS out                          |
| A                               | 1200m   | NOT AUTH     |  |                                  |
| B                               |         |              |  |                                  |
| C                               |         |              |  | RVR 1500m<br>VIS 1600m           |
| D                               |         |              |  | RVR 1800m<br>VIS 2000m           |

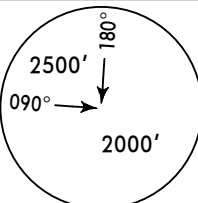
PANS OPS

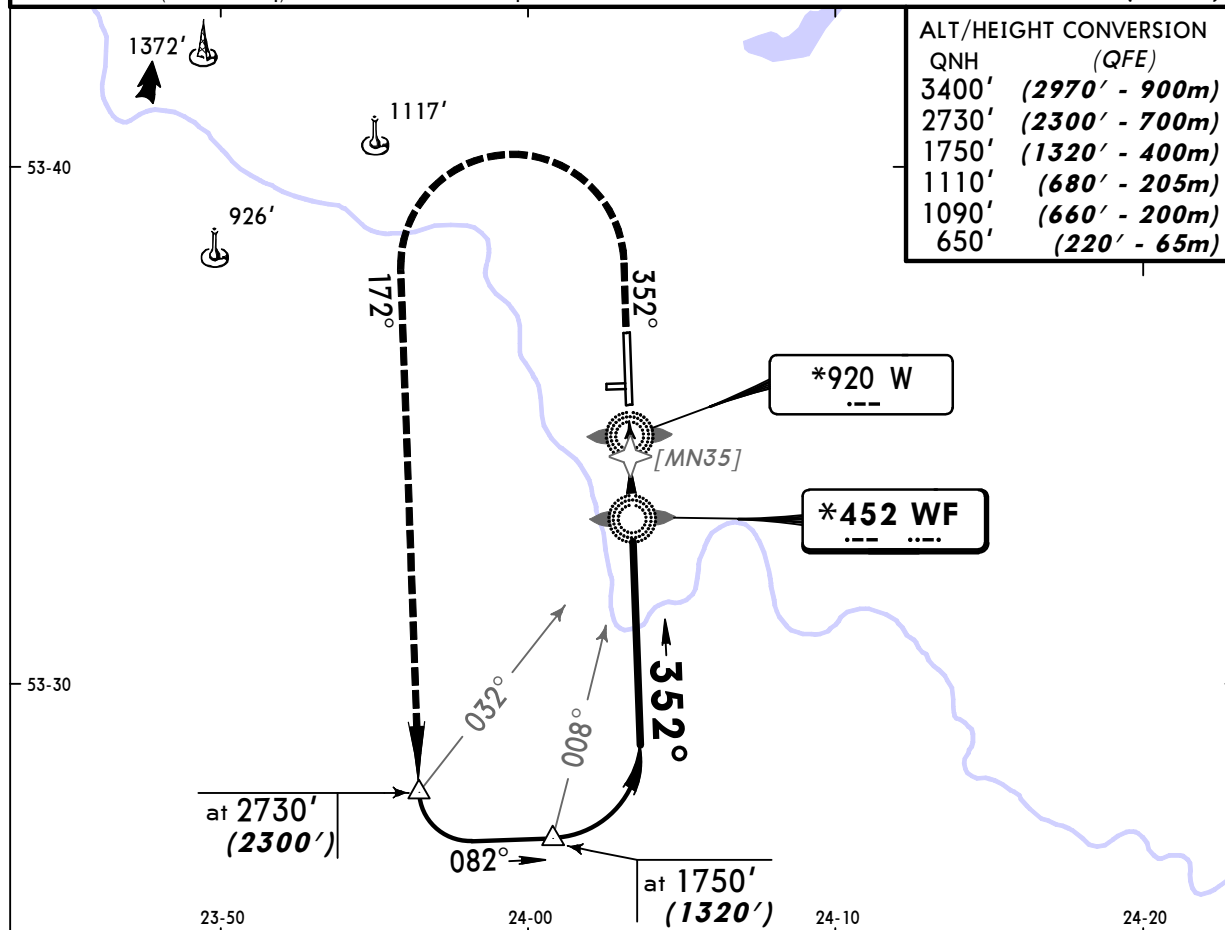
**UMMG/GNA**  
**GRODNO**

**JEPPesen**  
4 DEC 09 **(16-1)** **Eff 17 Dec**

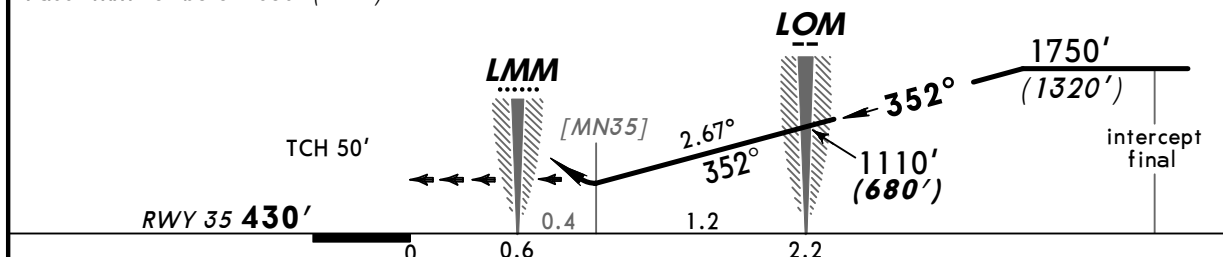
**GRODNO, BELARUS**  
**2 NDB Rwy 35**

BRIEFING STRIP

|                                                                                                                        |                                  |                                                   |                             |                                         |  |                                                                                     |
|------------------------------------------------------------------------------------------------------------------------|----------------------------------|---------------------------------------------------|-----------------------------|-----------------------------------------|--|-------------------------------------------------------------------------------------|
| *ATIS<br><b>124.25</b><br>Russian only                                                                                 |                                  | *GRODNO Approach(APP/SRE/PAR/TWR)<br><b>134.5</b> |                             | *Ground<br><b>134.5</b>                 |  |  |
| NDB<br>WF<br><b>*452</b>                                                                                               | Final<br>Apch Crs<br><b>352°</b> | Minimum Alt<br>LOM<br><b>1110'(680')</b>          | MDA(H)<br><b>750'(320')</b> | Apt Elev <b>443'</b><br>RWY <b>430'</b> |  |                                                                                     |
| MISSED APCH: Climb on 352° to 1090'(660'), then turn LEFT onto 172° climbing to 2730'(2300'), then according to chart. |                                  |                                                   |                             |                                         |  |                                                                                     |
| Alt Set: MM (hPa on req)                                                                                               |                                  | QNH on req (QFE)                                  |                             | Trans level: FL 50                      |  |                                                                                     |
| Trans alt: 3400'(2970')                                                                                                |                                  |                                                   |                             |                                         |  |                                                                                     |



Pass LMM not below 650' (220').



|               |       |     |     |     |     |     |     |                      |         |               |
|---------------|-------|-----|-----|-----|-----|-----|-----|----------------------|---------|---------------|
| Gnd speed-Kts | 70    | 90  | 100 | 120 | 140 | 160 | ALS | 1090' (660') on 352° | 172° LT | 2730' (2300') |
| Descent angle | 2.67° | 331 | 425 | 472 | 567 | 661 | 756 | PAPI                 |         |               |

**STRAIGHT-IN LANDING RWY 35**

MDA(H) **750' (320')**

ALS out

PANS OPS

|   |                                      |  |
|---|--------------------------------------|--|
| A | <b>RVR 1500m</b><br><b>VIS 1600m</b> |  |
| B |                                      |  |
| C |                                      |  |
| D |                                      |  |