

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

**No revision activity since Disc 11-2011**

## **TERMINAL CHART NOTAMs**

**No Chart NOTAMs for Airport UKDE**

**General Info**

Zaporizhzhia, UKR

N 47° 52.0' E 35° 18.9' Mag Var: 5.8°E

Elevation: 373'

Public, IFR, Control Tower, Customs, Landing Fee

Fuel: Jet, Jet A-1

Repairs: Minor Airframe, Minor Engine

Time Zone Info: GMT+2:00 uses DST

**Runway Info**

Runway 02-20 8202' x 138' concrete

Runway 02 (18.0°M) TDZE 339'

Lights: Edge, ALS

Runway 20 (198.0°M) TDZE 373'

Lights: Edge, ALS

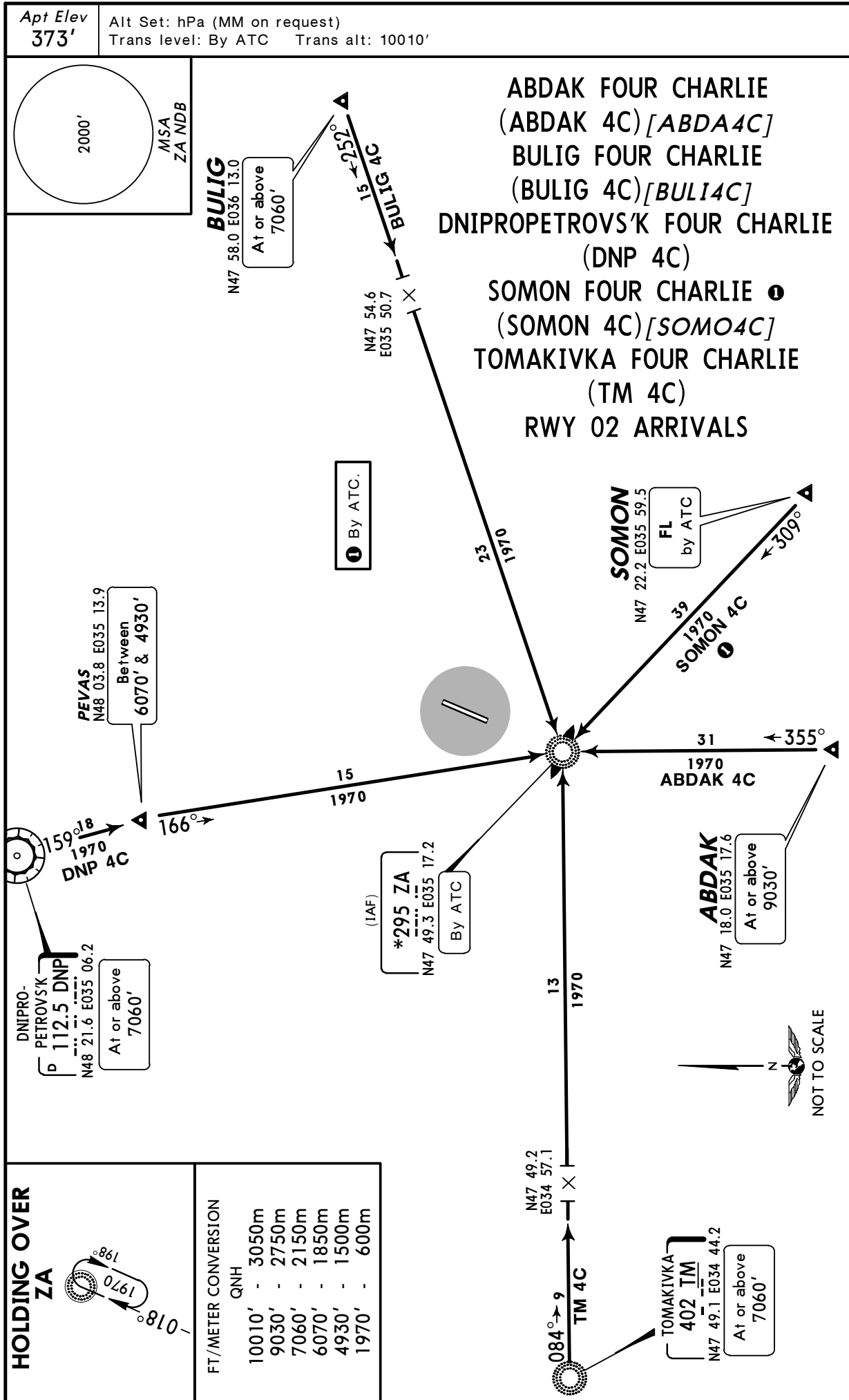
**Communications Info**Zaporizhzhia Tower **118.2**Zaporizhzhia Approach Rad Approach Control **119.2****Notebook Info**

**UKDE/OZH**  
**MOKRAYA**

**JEPPesen**  
19 DEC 08 **10-2**

**ZAPORIZHZHIA, UKRAINE**

**STAR**



**UKDE/OZH**  
**MOKRAYA**

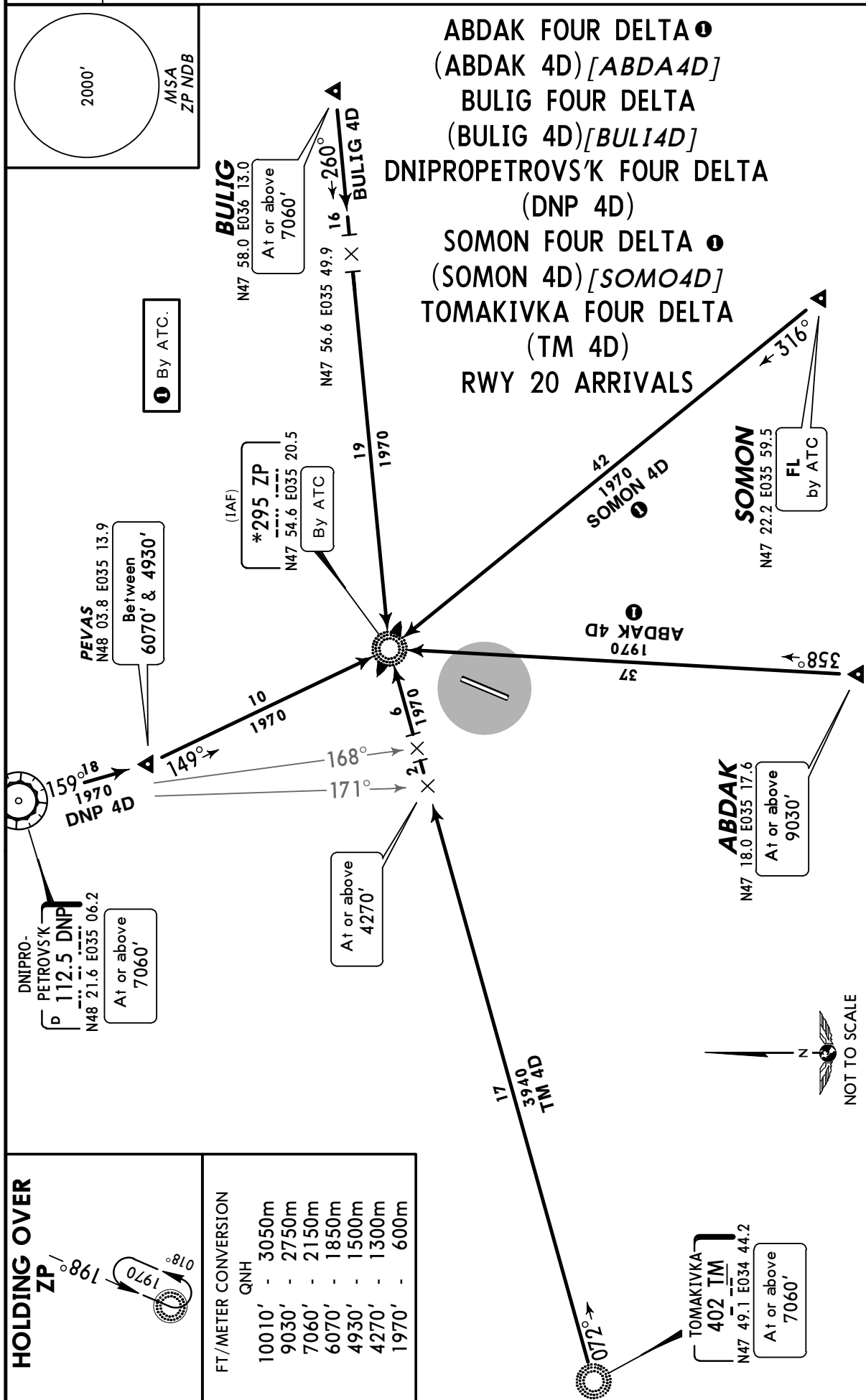
**JEPPESEN**  
19 DEC 08 (10-2A)

## ZAPORIZHZHIA, UKRAINE

**STAR**

*Apt Elev*  
**373'**

Alt Set: hPa (MM on request)  
Trans level: By ATC    Trans alt: 10010'



**CHANGES:** TM frequency.

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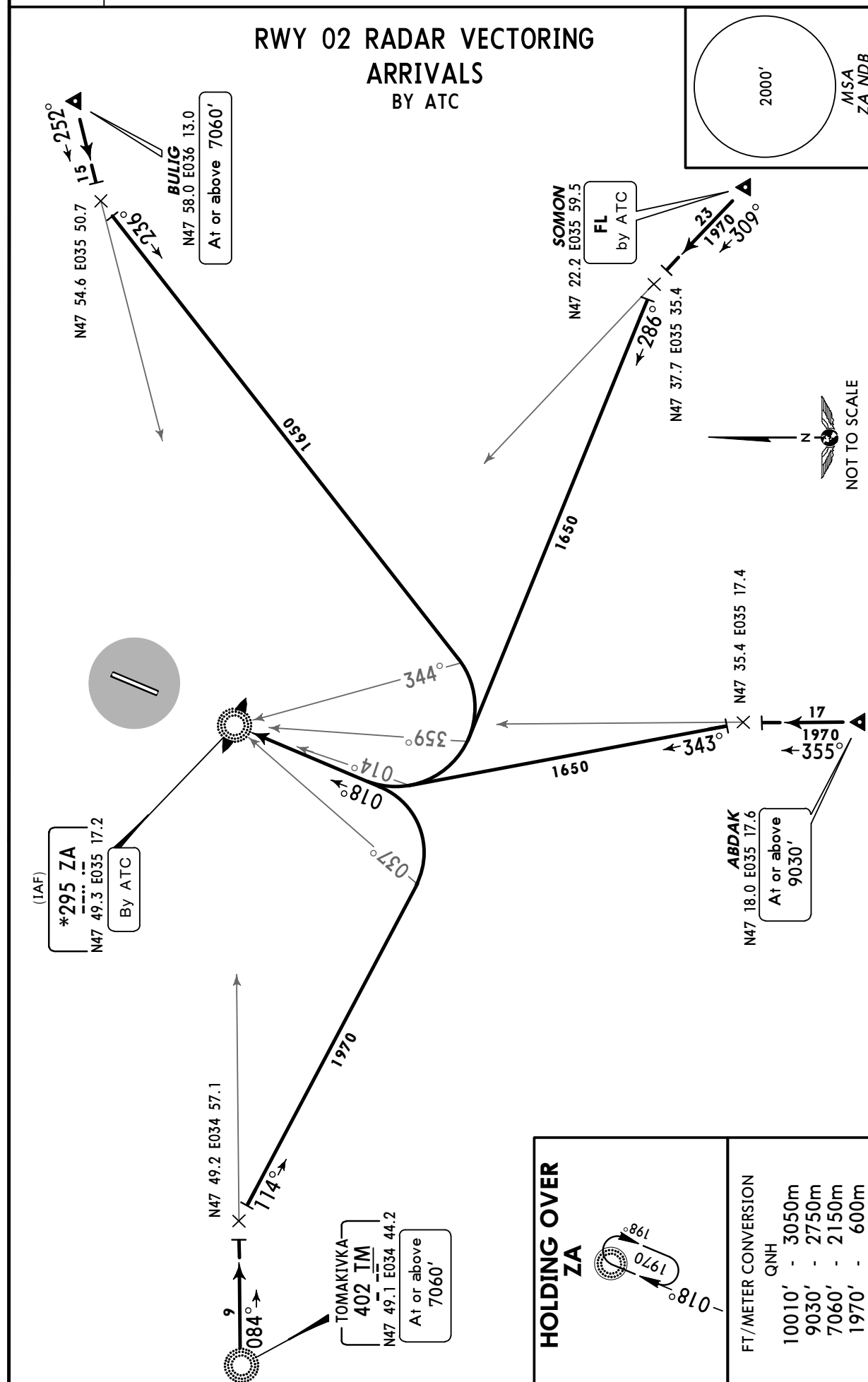
**UKDE/OZH**  
**MOKRAYA**

**JEPPESSEN**  
 19 DEC 08 **10-2B**

**ZAPORIZHZHIA, UKRAINE**  
**RADAR STAR**

**Apt Elev**  
**373'**  
 Alt Set: hPa (MM on request)  
 Trans level: By ATC Trans alt: 10010'

**RWY 02 RADAR VECTORING**  
**ARRIVALS**  
 BY ATC



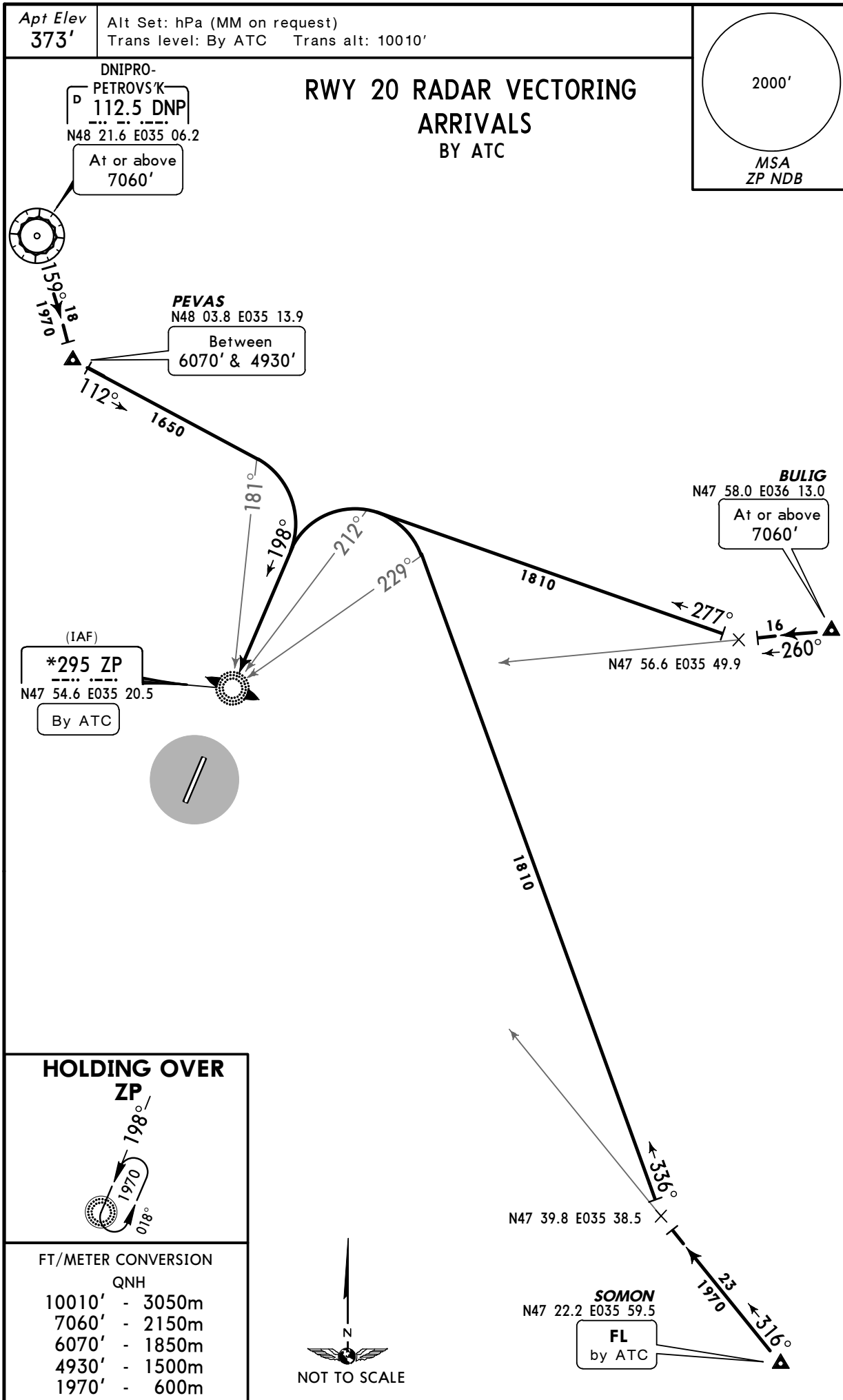
CHANGES: TM frequency.

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**UKDE/OZH**  
**MOKRAYA**

**JEPPESEN**  
 19 DEC 08 **(10-2C)**

**ZAPORIZHZHIA, UKRAINE**  
**RADAR STAR**

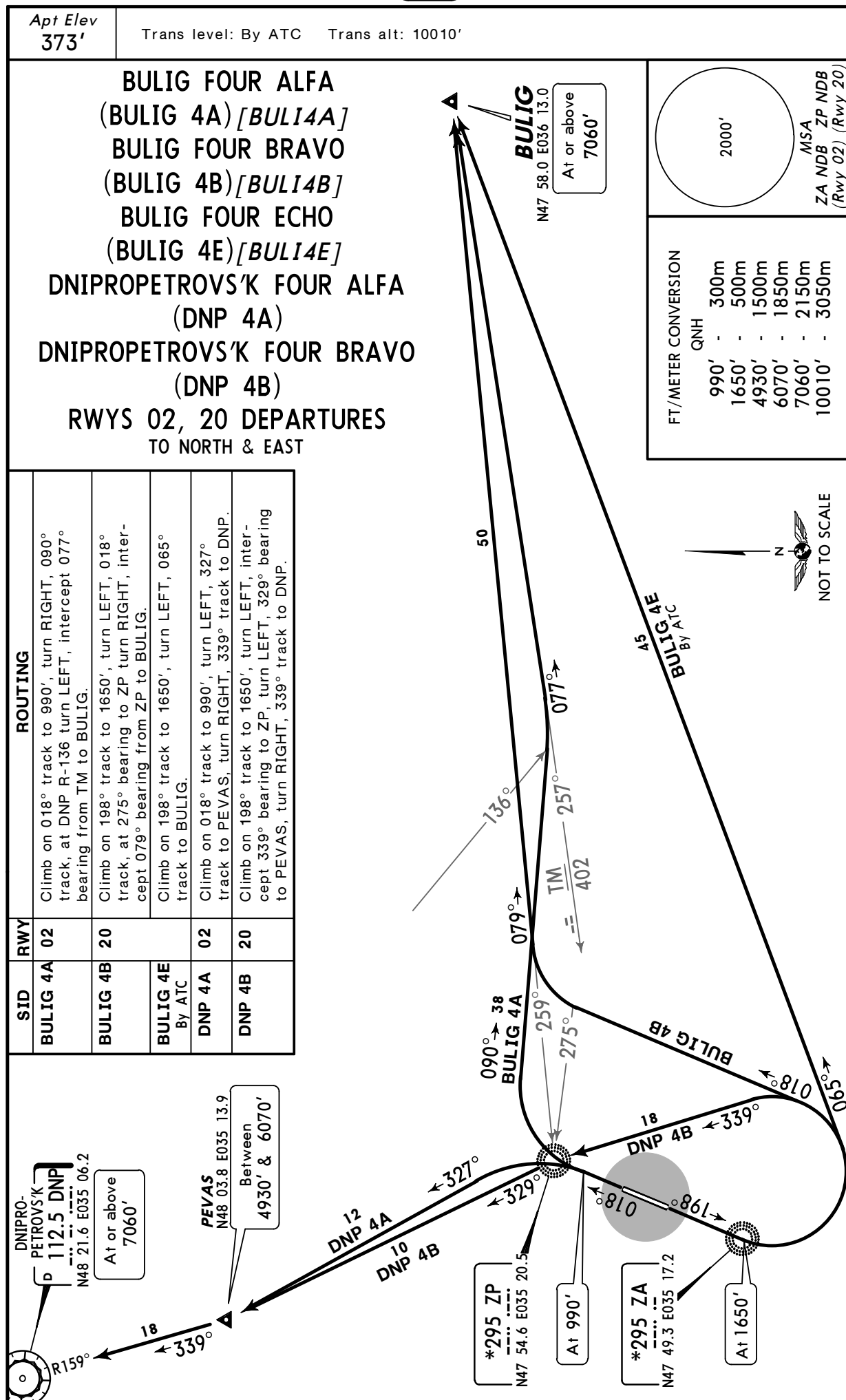


**UKDE/OZH**  
**MOKRAYA**

**JEPPesen**  
19 DEC 08 **10-3**

**ZAPORIZHZHIA, UKRAINE**

**SID**

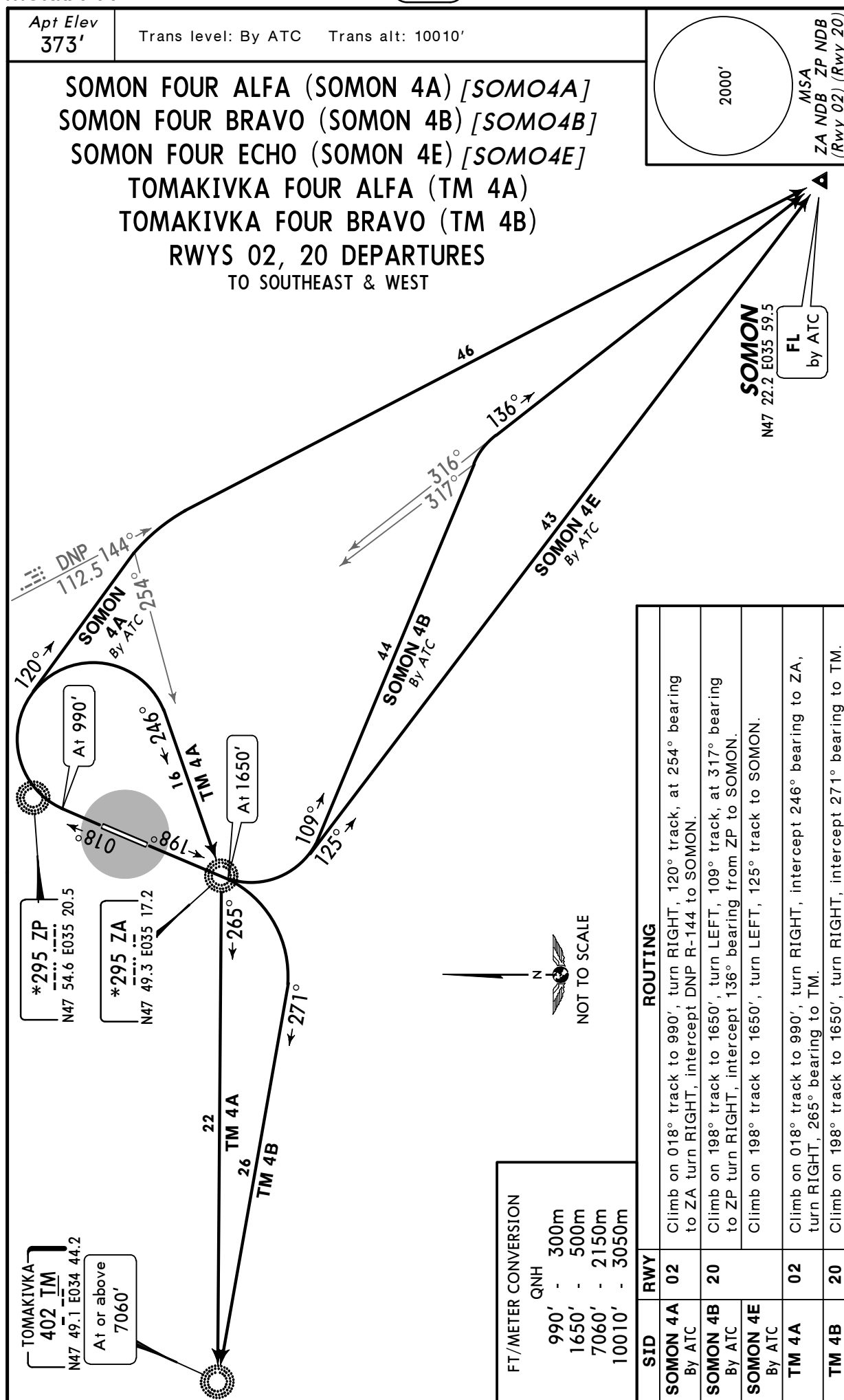


**UKDE/OZH**  
**MOKRAYA**

**JEPPESSEN**  
 19 DEC 08 **(10-3A)**

**ZAPORIZHZHIA, UKRAINE**

**SID**



**UKDE/OZH**

Apt Elev **373'**  
 N47 52.0 E035 18.9

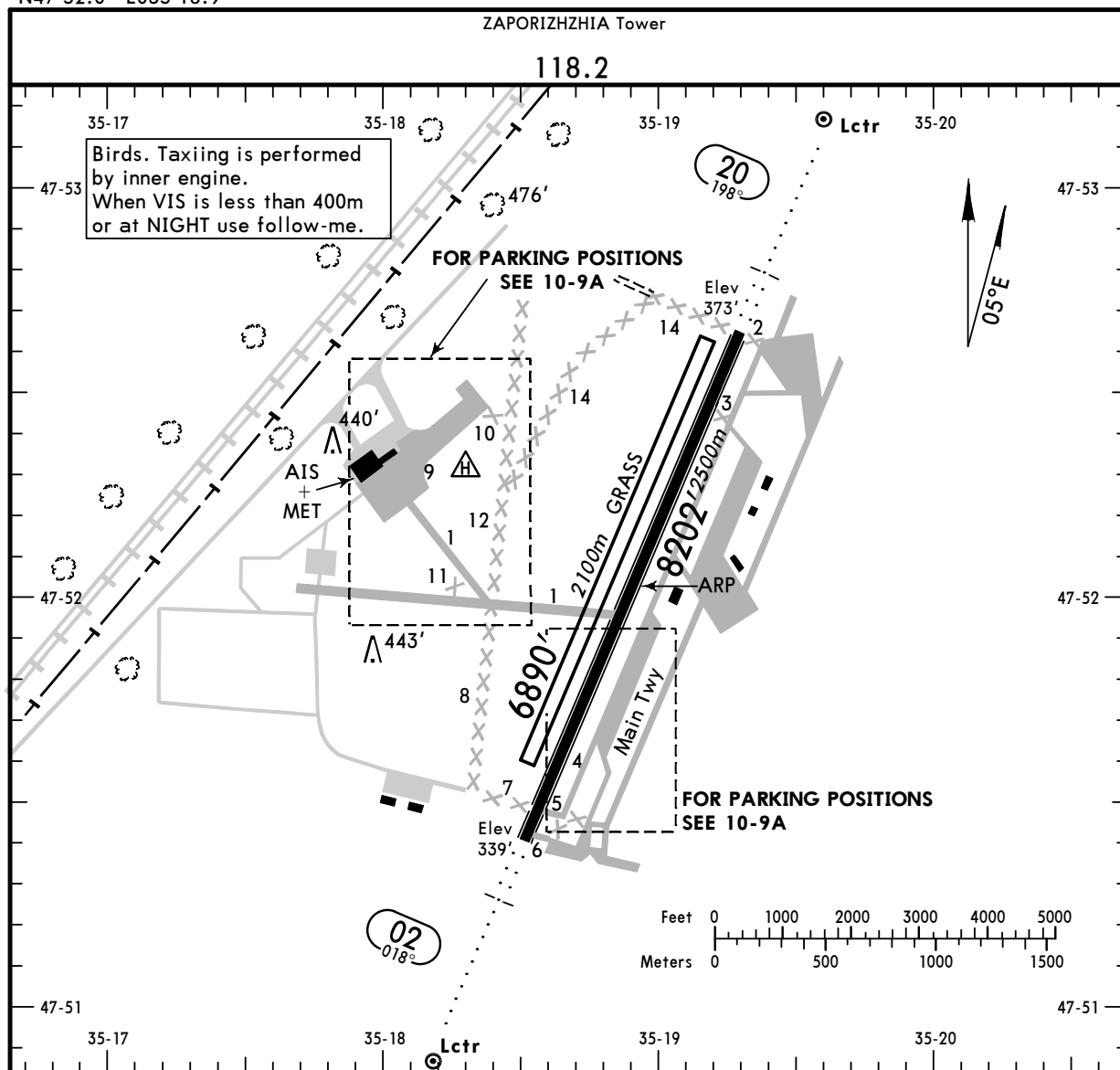
28 MAR 08

**JEPPesen ZAPORIZHZHIA, UKRAINE**

**(10-9)**

**Eff 10 Apr**

**MOKRAYA**



**ADDITIONAL RUNWAY INFORMATION**

| RWY |    |               | USABLE LENGTHS |                            | TAKE-OFF | WIDTH       |
|-----|----|---------------|----------------|----------------------------|----------|-------------|
|     |    |               | Threshold      | Glide Slope                |          |             |
| 02  | 20 | RL (100m) ALS | RVR            | 7170' 2185m<br>6987' 2130m |          | 138'<br>42m |
| 02  | 20 | Grass runway  |                |                            |          | 279'<br>85m |
|     |    |               |                |                            |          |             |
|     |    |               |                |                            |          |             |
|     |    |               |                |                            |          |             |

**JAR-OPS**

**TAKE-OFF 1**

| Main rwy 02/20           |      |                          |                   |
|--------------------------|------|--------------------------|-------------------|
| LVP must be in force     |      |                          |                   |
| RCLM (DAY only)<br>or RL |      | RCLM (DAY only)<br>or RL | NIL<br>(DAY only) |
| A                        |      |                          |                   |
| B                        | 250m | 400m                     | 500m              |
| C                        |      |                          |                   |
| D                        | 300m |                          |                   |

**1** Operators applying U.S. Ops Specs: CL required below 300m.

UKDE/OZH

28 MAR 08

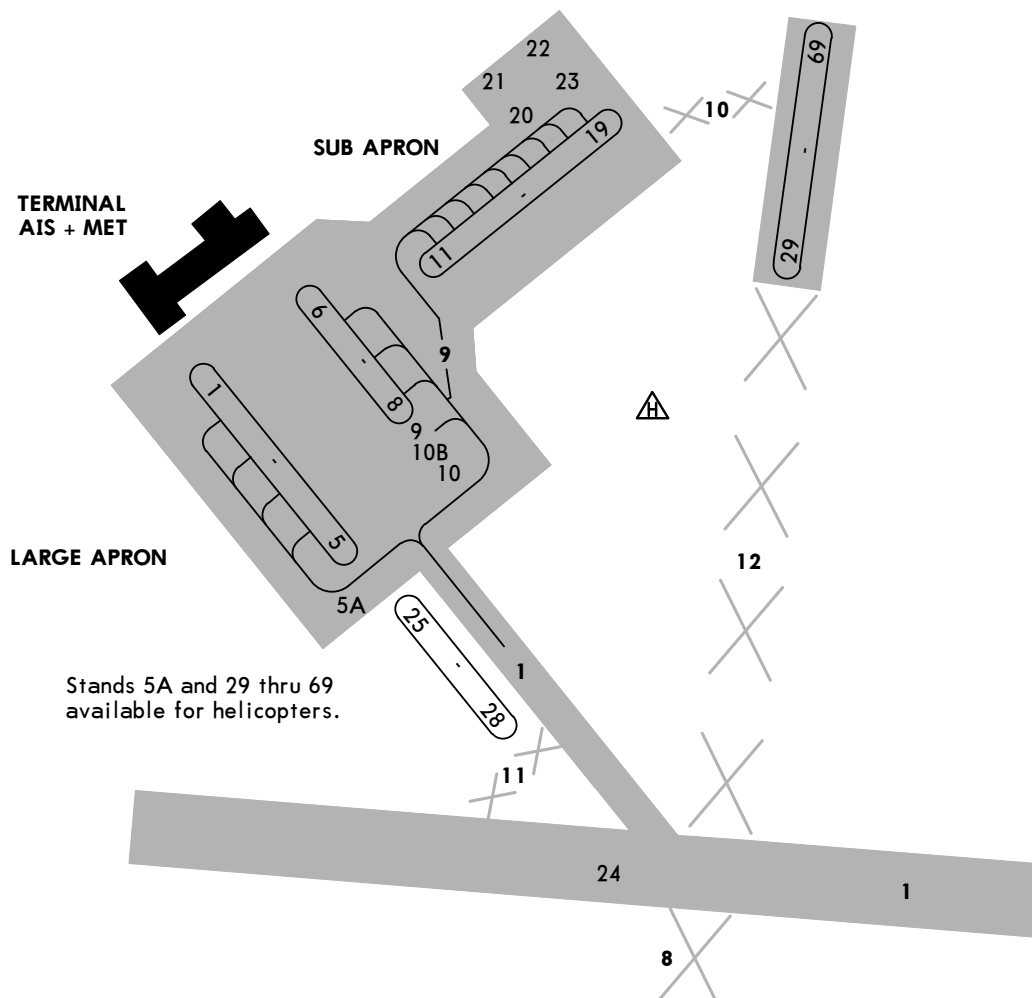
**JEPPESEN** ZAPORIZHZHIA, UKRAINE

10-9A

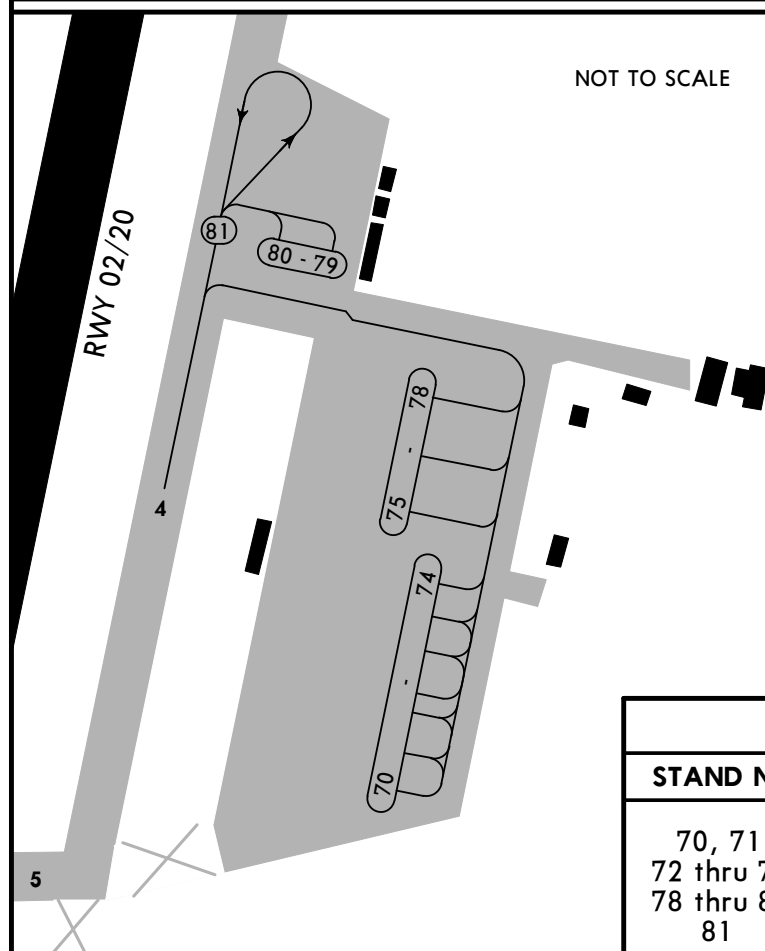
Eff 10 Apr

MOKRAYA

NOT TO SCALE



NOT TO SCALE



# INS COORDINATES

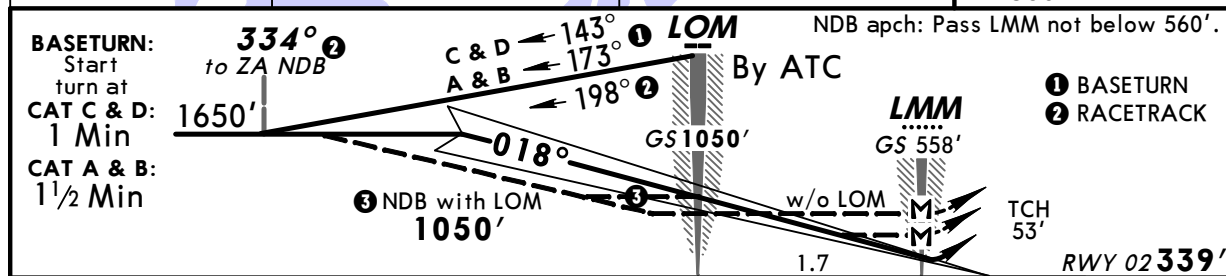
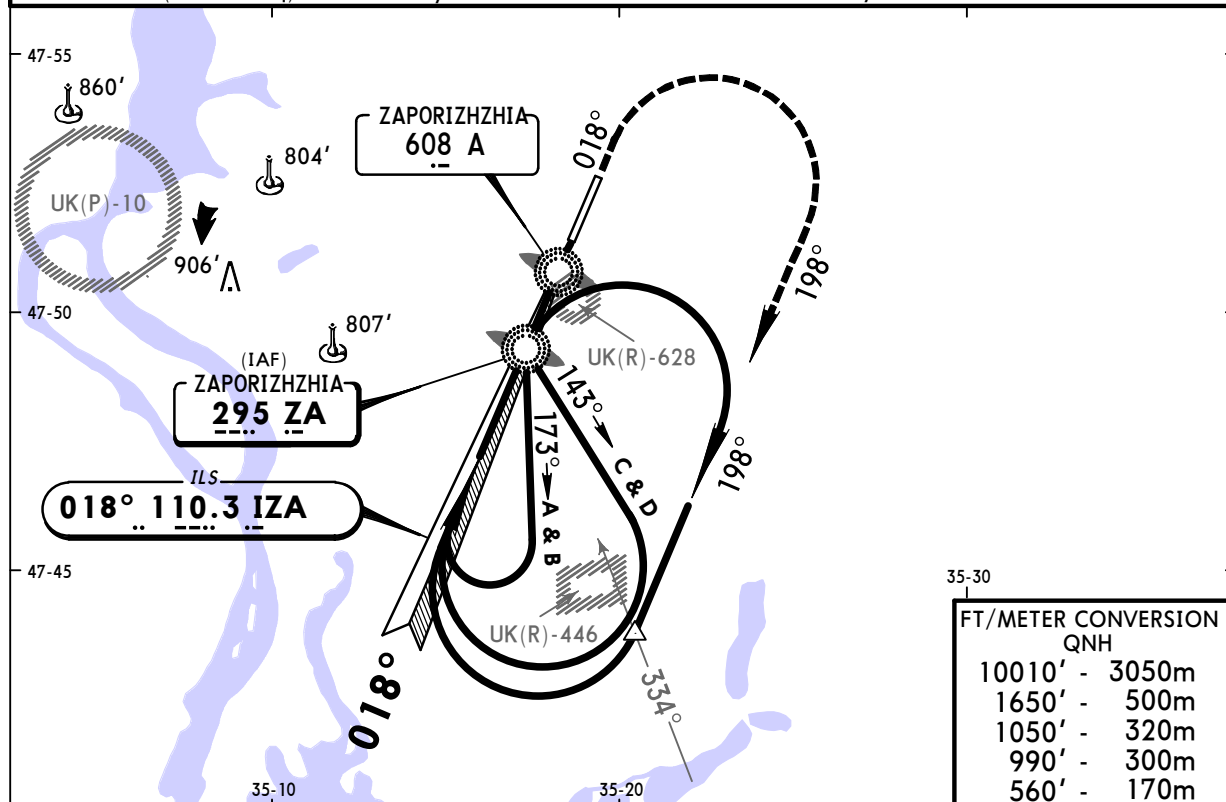
| STAND No   | COORDINATES        |
|------------|--------------------|
| 70, 71     | N47 51.6 E035 18.9 |
| 72 thru 77 | N47 51.7 E035 19.0 |
| 78 thru 80 | N47 51.8 E035 19.0 |
| 81         | N47 51.9 E035 19.0 |

**UKDE/OZH**  
**MOKRAYA**

**JEPPesen ZAPORIZHZHIA, UKRAINE**  
28 MAR 08 **(11-1)** **Eff 10 Apr** **ILS or NDB Rwy 02**

BRIEFING STRIP

| ZAPORIZHZHIA Approach Radar                                                                               |                           |                                                |                                               | ZAPORIZHZHIA Tower            |                  |                           |
|-----------------------------------------------------------------------------------------------------------|---------------------------|------------------------------------------------|-----------------------------------------------|-------------------------------|------------------|---------------------------|
| 119.2                                                                                                     |                           |                                                |                                               | 118.2                         |                  |                           |
| LOC<br>IZA<br>110.3                                                                                       | Final<br>Apch Crs<br>018° | GS<br>LOM<br>1050' (711')                      | ILS<br>DA(H)<br>Refer to<br>Minimums          | Apt Elev 373'<br><br>RWY 339' | <div>2000'</div> |                           |
| NDB<br>ZA<br>*295                                                                                         |                           | with LOM<br>Minimum Alt<br>LOM<br>1050' (711') | NDB<br>(CONDITIONAL)<br>MDA(H)<br>710' (371') |                               |                  |                           |
| MISSED APCH: Climb on 018° to 990', then turn RIGHT onto 198° climbing to 1650', then according to chart. |                           |                                                |                                               |                               |                  | <div>MSA<br/>ZA NDB</div> |
| Alt Set: hPa (MM on req)                                                                                  |                           | Rwy Elev: 12 hPa                               |                                               | Trans level: By ATC           |                  |                           |
| Trans alt: 10010'                                                                                         |                           |                                                |                                               |                               |                  |                           |



| Gnd speed-Kts                            | 70  | 90  | 100 | 120 | 140 | 160 | ALS | 990' | on 018° | 198° | 1650' |
|------------------------------------------|-----|-----|-----|-----|-----|-----|-----|------|---------|------|-------|
| ILS GS 2.67° or<br>NDB Descent Grad 4.7% | 336 | 433 | 481 | 577 | 673 | 769 |     | ↑    |         | RT   | ↑     |
| MAP at LMM                               |     |     |     |     |     |     |     |      |         |      |       |

| JAR-OPS                       |  |                    |  | STRAIGHT-IN LANDING RWY 02 |  |                    |  | CIRCLE-TO-LAND     |  |                    |  |
|-------------------------------|--|--------------------|--|----------------------------|--|--------------------|--|--------------------|--|--------------------|--|
| ILS                           |  | NDB                |  | ILS                        |  | NDB                |  | ILS                |  | NDB                |  |
| A: 539' (200') C: 554' (215') |  | with LOM           |  | w/o LOM                    |  | w/o LOM            |  | w/o LOM            |  | w/o LOM            |  |
| B: 545' (206') D: 564' (225') |  | MDA(H) 710' (371') |  | MDA(H) 790' (451')         |  | MDA(H) 790' (451') |  | MDA(H) 790' (451') |  | MDA(H) 790' (451') |  |
| FULL                          |  | ALS out            |  | ALS out                    |  | ALS out            |  | ALS out            |  | ALS out            |  |
| A                             |  | RVR 1300m          |  | RVR 1500m                  |  | RVR 1500m          |  | RVR 1500m          |  | RVR 1500m          |  |
| B                             |  | RVR 1400m          |  | RVR 1500m                  |  | RVR 1500m          |  | RVR 1500m          |  | RVR 1500m          |  |
| C                             |  | RVR 1600m          |  | RVR 1800m                  |  | RVR 1800m          |  | RVR 1800m          |  | RVR 2000m          |  |
| D                             |  | RVR 1800m          |  | RVR 2000m                  |  | RVR 2000m          |  | RVR 2000m          |  | RVR 2000m          |  |

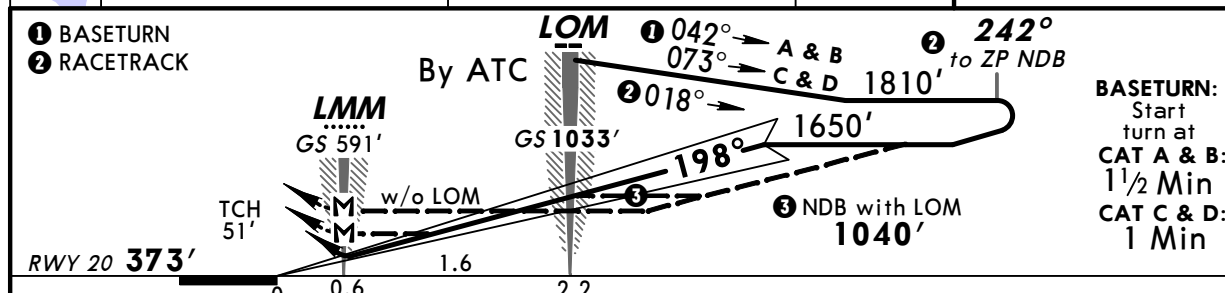
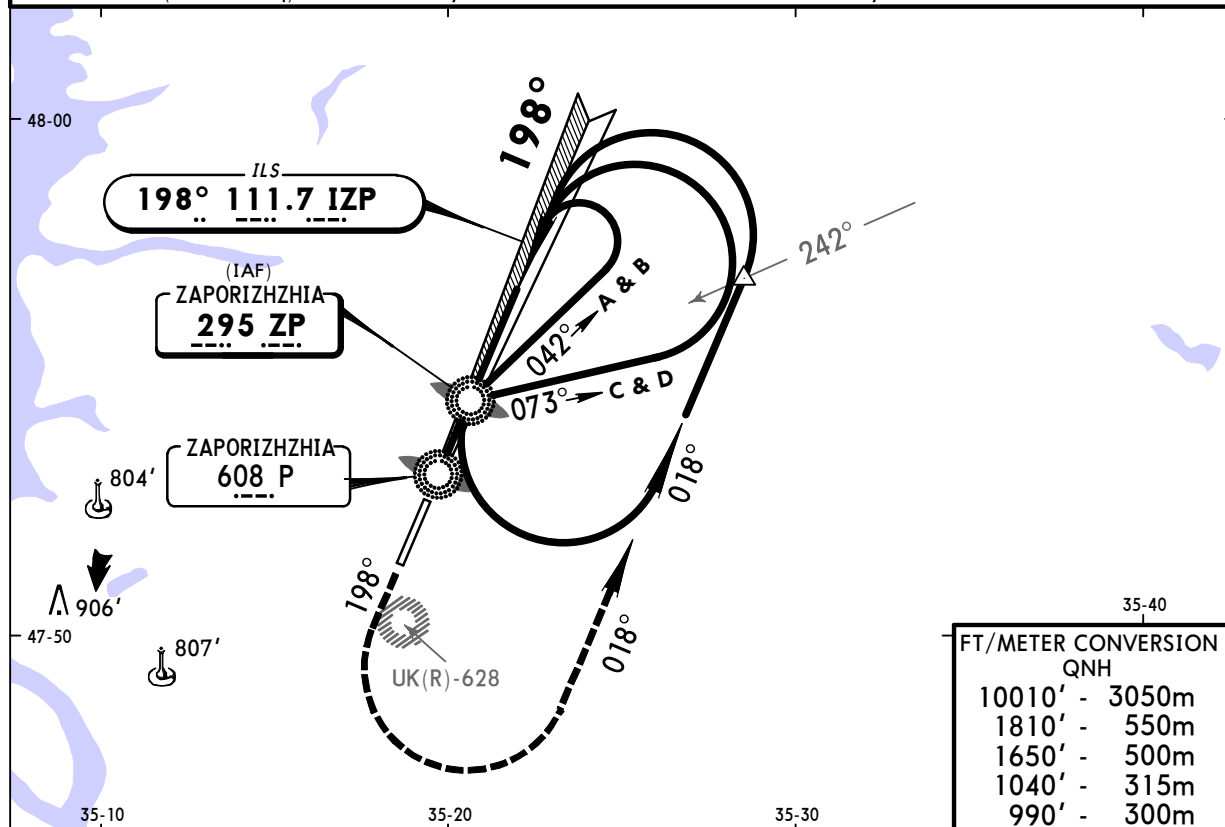
**1** LOC (GS out): NOT AUTHORIZED. **2** Circling height based on rwy 02 thresh elev of 339'.  
**3** After NDB apch: MDA(H) 790' (451').

**UKDE/OZH**  
**MOKRAYA**

**JEPPESEN ZAPORIZHZHIA, UKRAINE**  
28 MAR 08 **(11-2)** Eff 10 Apr ILS or NDB Rwy 20

BRIEFING STRIP

| ZAPORIZHZHIA Approach Radar                                                                              |                                  |                                                       |                                                      | ZAPORIZHZHIA Tower                          |                  |                           |
|----------------------------------------------------------------------------------------------------------|----------------------------------|-------------------------------------------------------|------------------------------------------------------|---------------------------------------------|------------------|---------------------------|
| 119.2                                                                                                    |                                  |                                                       |                                                      | 118.2                                       |                  |                           |
| LOC<br>IZP<br><b>111.7</b>                                                                               | Final<br>Apch Crs<br><b>198°</b> | GS<br>LOM<br><b>1033'</b> (660')                      | ILS<br>DA(H)<br><b>573'</b> (200')                   | Apt Elev <b>373'</b><br><br>RWY <b>373'</b> | <div>2000'</div> |                           |
| NDB<br>ZP<br><b>*295</b>                                                                                 |                                  | with LOM<br>Minimum Alt<br>LOM<br><b>1040'</b> (667') | NDB<br>(CONDITIONAL)<br>MDA(H)<br><b>730'</b> (357') |                                             |                  |                           |
| MISSED APCH: Climb on 198° to 990', then turn LEFT onto 018° climbing to 1810', then according to chart. |                                  |                                                       |                                                      |                                             |                  | <div>MSA<br/>ZP NDB</div> |
| Alt Set: hPa (MM on req)                                                                                 |                                  | Rwy Elev: 14 hPa                                      | Trans level: By ATC                                  |                                             |                  |                           |
| Trans alt: 10010'                                                                                        |                                  |                                                       |                                                      |                                             |                  |                           |



| Gnd speed-Kts                            | 70  | 90  | 100 | 120 | 140 | 160 | ALS | 990' | on 198° | 018° | 1810' |
|------------------------------------------|-----|-----|-----|-----|-----|-----|-----|------|---------|------|-------|
| ILS GS 2.67° or<br>NDB Descent Grad 4.7% | 336 | 433 | 481 | 577 | 673 | 769 |     |      |         |      |       |
| MAP at LMM                               |     |     |     |     |     |     |     |      |         |      |       |

| JAR-OPS                  |      |                           |  | STRAIGHT-IN LANDING RWY 20 |           |                           |           | CIRCLE-TO-LAND            |           |                           |           |
|--------------------------|------|---------------------------|--|----------------------------|-----------|---------------------------|-----------|---------------------------|-----------|---------------------------|-----------|
| ILS                      |      | NDB                       |  | with LOM                   |           | w/o LOM                   |           | with LOM                  |           | w/o LOM                   |           |
| DA(H) <b>573'</b> (200') |      | MDA(H) <b>730'</b> (357') |  | MDA(H) <b>730'</b> (357')  |           | MDA(H) <b>890'</b> (517') |           | MDA(H) <b>730'</b> (357') |           | MDA(H) <b>890'</b> (517') |           |
| FULL                     |      | ALS out                   |  | ALS out                    |           | ALS out                   |           | ALS out                   |           | ALS out                   |           |
| A                        |      |                           |  | RVR 1300m                  | RVR 1500m | RVR 1500m                 |           | RVR 1300m                 | RVR 1500m | RVR 1500m                 |           |
| B                        |      |                           |  | RVR 1400m                  | RVR 1500m | RVR 1500m                 |           | RVR 1400m                 | RVR 1500m | RVR 1500m                 |           |
| C                        | 800m | 1000m                     |  | RVR 1600m                  | RVR 1800m | RVR 1800m                 | RVR 2000m | RVR 1600m                 | RVR 1800m | RVR 1800m                 | RVR 2000m |
| D                        |      |                           |  | RVR 1800m                  | RVR 2000m | RVR 2000m                 |           | RVR 1800m                 | RVR 2000m | RVR 2000m                 |           |

1 LOC (GS out): NOT AUTHORIZED. 2 After NDB apch: MDA(H) 890' (517').