

**UKKK AD 2 KYIV/Zhuliany / КИЇВ/Жуляни****UKKK AD 2.1 Aerodrome Location Indicator and Name / Індекс місця розташування і назва аеродрому**

UKKK - Kyiv/Zhuliany International

UKKK - Київ/Жуляни Міжнародний

**UKKK AD 2.2 Aerodrome Geographical and Administrative data / Географічні й адміністративні дані по аеродрому**

|   |                                                            |                                                                                                                                                                                                                                                                               |
|---|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | ARP coordinates and site at AD                             | 502407N 0302707E<br>1080 m from DTHR 08 and 1032 m from DTHR 26                                                                                                                                                                                                               |
| 2 | Direction and distance from (city)                         | 8 km, SW from centre of the city                                                                                                                                                                                                                                              |
| 3 | Elevation/Reference temperature                            | 179 M / 23°C                                                                                                                                                                                                                                                                  |
| 4 | Geoid undulation at AD ELEV PSN                            | 26 M                                                                                                                                                                                                                                                                          |
| 5 | MAG VAR/Annual Change                                      | 7° E ( 2014 ) / nil                                                                                                                                                                                                                                                           |
| 6 | AD Administration, address, telephone, telefax, telex, AFS | Municipal enterprise "International Airport Kyiv (Zhuliany)"<br>Postal Address: 79, Vozduhoflotskiy ava., Airport Zhuliany, Kyiv, Ukraine, 03036<br>Phone: +38 044 241 20 01<br>Fax: +38 044 249 01 36<br>E-mail: ukkk@airport.kiev.ua<br>AFS: UKKKAPDU, UKKKAPBF<br>Telex: - |
| 7 | Types of traffic permitted (IFR/VFR)                       | IFR/VFR                                                                                                                                                                                                                                                                       |
| 8 | Remarks                                                    | nil                                                                                                                                                                                                                                                                           |

**UKKK AD 2.3 Operational Hours / Часи роботи**

|    |                            |                                                                                                                                         |
|----|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| 1  | AD Administration          | H24                                                                                                                                     |
| 2  | Customs and immigration    | H24                                                                                                                                     |
| 3  | Health and sanitation      | H24                                                                                                                                     |
| 4  | AIS Briefing Office        | H24<br>Briefing Office AD UKKK<br>E-mail: UKKKSAI@uksatse.aero<br>Phone: +38 044 351-64-12;<br>Fax: +38 044 246-21-85;<br>AFS: UKKKZPZX |
| 5  | ATS Reporting office (ARO) | H24<br>Briefing Office AD UKKK<br>E-mail: UKKKSAI@uksatse.aero<br>Phone: +38 044 351-64-12;<br>Fax: +38 044 246-21-85;<br>AFS: UKKKZPZX |
| 6  | Air traffic service        | H24                                                                                                                                     |
| 7  | MET Briefing Office        | H24                                                                                                                                     |
| 8  | Fuelling                   | H24                                                                                                                                     |
| 9  | Handling                   | H24                                                                                                                                     |
| 10 | Security                   | H24                                                                                                                                     |
| 11 | De-icing                   | H24                                                                                                                                     |
| 12 | Remarks                    | nil                                                                                                                                     |

**UKKK AD 2.4 Handling Services and Facilities / Служби і засоби по обслуговуванню**

|   |                                         |                                                                                                                   |
|---|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| 1 | Cargo-Handling facilities               | Cargo store, loader up to 5t, loader 0,5–1t, cargo truck up to 5 tones, 4 belt loaders 6-9 m, 2 container loaders |
| 2 | Fuel/oil types                          | TS-1, RT, JET A-1 / nil                                                                                           |
| 3 | Fuelling facilities/capacity            | 7 trucks (18000 - 22000 l)<br>800 - 1200 l/min                                                                    |
| 4 | De-icing facilities                     | 2 trucks KIITOKORI EFI - 2000                                                                                     |
| 5 | Hangar space for visiting aircraft      | nil                                                                                                               |
| 6 | Repair facilities for visiting aircraft | Maintenance AN-24, A319/A320, B737 and etc.                                                                       |
| 7 | Remarks                                 | nil                                                                                                               |

**UKKK AD 2.5 Passenger Facilities / Засоби для обслуговування пасажирів**

|   |                      |                                        |
|---|----------------------|----------------------------------------|
| 1 | Hotels               | At airport and in the city             |
| 2 | Restaurants          | At airport and in the city             |
| 3 | Transportation       | Trolleybus, bus, taxi                  |
| 4 | Medical facilities   | First aid at AD. Hospitals in the city |
| 5 | Bank and Post Office | At airport and in the city             |
| 6 | Tourist Office       | In the city                            |
| 7 | Remarks              | nil                                    |

**UKKK AD 2.6 Rescue and fire fighting services / Аварійно-рятувальна і протипожежна служба**

|   |                                             |                                                                              |
|---|---------------------------------------------|------------------------------------------------------------------------------|
| 1 | AD category for Fire fighting               | CAT 7                                                                        |
| 2 | Rescue equipment                            | Rescue and fire-fighting vehicles are equipped in accordance with category 7 |
| 3 | Capability for removal of disabled aircraft | AVBL for ACFT B737-900, A321                                                 |
| 4 | Remarks                                     | nil                                                                          |

**UKKK AD 2.7 Seasonal availability - clearing / Сезонне використання устаткування – видалення опадів**

|   |                             |                                                                                             |
|---|-----------------------------|---------------------------------------------------------------------------------------------|
| 1 | Types of clearing equipment | Brush and rotor snow-ploughs, blowers, thermal machines, chemical agent spreaders           |
| 2 | Clearance priorities        | 1. RWY, TWY 1-2, apron M<br>2. Apron L, apron Z, ground segments of AD<br>3. TWY 4, apron F |
| 3 | Remarks                     | AD operational in all seasons. Caution advised in winter during ice conditions              |

**UKKK AD 2.8 Aprons, taxiways and check locations data / Дані по перонах, TWY і місцям перевірок**

|   |                                             |                                                            |          |                |                |
|---|---------------------------------------------|------------------------------------------------------------|----------|----------------|----------------|
| 1 | Apron surface and strength                  | Apron                                                      | Surface  | Strength       |                |
|   |                                             | Aircraft taxi route on the apron M and L from TWY1 to TWY2 | Asphalt  | PCN 46/R/C/X/T |                |
|   |                                             | F                                                          | Asphalt  | PCN 17/R/C/X/T |                |
|   |                                             | L                                                          | Asphalt  | PCN 24/R/C/X/T |                |
|   |                                             | M (stands 1-11)                                            | Asphalt  | PCN 46/R/C/X/T |                |
|   |                                             | M (stands 12-24)                                           | Asphalt  | PCN 31/R/C/X/T |                |
|   |                                             | M (stands 25-33, 33A, 34A, 35A)                            | Asphalt  | PCN 28/R/C/X/T |                |
|   |                                             | M (stands 34-39)                                           | Concrete | PCN 60/R/C/W/T |                |
|   |                                             | M (stands 40 - 43)                                         | Concrete | PCN 64/R/C/X/T |                |
|   |                                             | Z (stands 1- 5)                                            | Asphalt  | PCN 13/F/D/Y/T |                |
| 2 | Taxiway width, surface and strength         | Z (stands 6 - 15)                                          | Concrete | PCN 28/R/C/X/U |                |
|   |                                             | TWY                                                        | Width    | Surface        | Strength       |
|   |                                             | TWY 1                                                      | 21 M     | Asphalt        | PCN 44/R/C/X/T |
|   |                                             | TWY 2                                                      | 21 M     | Asphalt        | PCN 45/R/C/X/T |
|   |                                             | TWY 4                                                      | 15 M     | Asphalt        | PCN 21/R/C/X/T |
| 3 | Altimeter checkpoint location and elevation | TWY 6                                                      | 12 M     | Asphalt        | PCN 6/R/C/X/T  |
|   |                                             | nil                                                        |          |                |                |
| 4 | VOR checkpoints                             | nil                                                        |          |                |                |
| 5 | INS checkpoints                             | 502415.06N 0302601.16E                                     |          |                |                |
| 6 | Remarks                                     | nil                                                        |          |                |                |

**UKKK AD 2.9 Surface movement guidance and control system and markings / Система керування наземним рухом і контролю за ним і відповідні маркувальні знаки**

|   |                                                                                                               |                                                                                                                                                                                                                                                                                      |
|---|---------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands | Guidance signs at entrance to/exit from RWY, guidance signs of TWY, TWY guide lines, markings of ACFT stands. Parking is performed by instructions of marshaller.                                                                                                                    |
| 2 | RWY and TWY markings and LGT                                                                                  | RWY:<br>THR, designation, centre line, TDZ, fixed distance, Edge MRKD<br>THR, edge, end LGTD<br>TWY:<br>Centre line and holding positions (TWY1, TWY2, TWY4);<br>edges (TWY1, TWY2) MRKD.<br>Edges (TWY1, TWY2, TWY4); inset centerline (TWY4); holding positions (TWY1, TWY2) LGTD. |
| 3 | Stop bars and runway guard lights                                                                             | Stop bars - nil.<br>Runway guard lights (TWY1, TWY2)                                                                                                                                                                                                                                 |
| 4 | Remarks                                                                                                       | nil                                                                                                                                                                                                                                                                                  |

**UKKK AD 2.10 Aerodrome obstacles / Аеродромні перешкоди**

| In Area 2             |                                            |                      |                    |                        |         |
|-----------------------|--------------------------------------------|----------------------|--------------------|------------------------|---------|
| Obstacle designations | Obstacle type                              | Obstacle position    | Elevation / height | Markings / type, color | Remarks |
| 6                     | TV tower, Kyiv city                        | 502816.4N 0302711.7E | 570 / 400          | MARKED/ red            | nil     |
| 10                    | Dwelling, Narodnogo Opolcheniya St, 7      | 502509.5N 0302725.3E | 236 / 66           | MARKED/ red            | nil     |
| 11                    | Dwelling, Erevanska St, 13-E               | 502609.9N 0302752.4E | 257 / 87           | MARKED                 | nil     |
| 13                    | Dwelling, Ernsta St, 2a                    | 502458.8N 0302727.5E | 230 / 60           | not MARKED             | nil     |
| 14                    | Dwelling, Aviakonstruktora Antonova St 4a  | 502548.8N 0302748.2E | 273 / 103          | MARKED/ red            | nil     |
| 16                    | Dwelling, Lobanovskiy Avenue, 4b           | 502522.0N 0302746.7E | 269 / 99           | MARKED/ red            | nil     |
| 18                    | Dwelling, Lobanovskiy Avenue, 4a           | 502524.0N 0302748.4E | 270 / 100          | MARKED/ red            | nil     |
| 20                    | Dwelling, Osvity St, 3a                    | 502531.2N 0302800.3E | 244 / 74           | MARKED                 | nil     |
| 21                    | Dwelling, Lobanovskiy Avenue, 6a           | 502521.4N 0302754.8E | 269 / 99           | MARKED/ red            | nil     |
| 22                    | Dwelling, Lobanovskiy Avenue, 6v           | 502517.0N 0302752.5E | 262 / 92           | MARKED/ red            | nil     |
| 25                    | Dwelling, Lobanovskiy Avenue, 15/17        | 502525.9N 0302800.0E | 271 / 101          | MARKED                 | nil     |
| 26                    | Appellate court, Solomianska St, 2a        | 502549.6N 0302817.8E | 302 / 132          | MARKED/ red            | nil     |
| 27                    | Dwelling, Lobanovskiy Avenue, 6b           | 502515.1N 0302754.0E | 262 / 92           | MARKED/ red            | nil     |
| 29                    | Dwelling, Lobanovskiy Avenue, 6d           | 502516.7N 0302756.6E | 262 / 92           | MARKED/ red            | nil     |
| 31                    | Dwelling, Bogdanivska St, 7a               | 502610.5N 0302843.0E | 248 / 78           | MARKED/ red            | nil     |
| 34                    | Dwelling, Ostrovskoho 48/50                | 502600.8N 0302842.0E | 238 / 68           | MARKED/ red            | nil     |
| 35                    | Dwelling, Krivonos St, 15                  | 502528.6N 0302816.6E | 241 / 71           | not MARKED             | nil     |
| 37                    | Dwelling, Preobrazhenska St, 8a/14         | 502527.7N 0302820.6E | 273 / 103          | MARKED/ red            | nil     |
| 40                    | Dwelling, Mechanizatoriv St, 9             | 502542.2N 0302839.7E | 255 / 85           | MARKED/ red            | nil     |
| 43                    | Dwelling, Lypkivskoho St, 18               | 502602.9N 0302903.6E | 252 / 82           | not MARKED             | nil     |
| 49                    | 14 Building (stone) living, Oleksiivska St | 502514.6N 0302817.7E | 231 / 61           | not MARKED             | nil     |
| 52                    | Pipe                                       | 502445.3N 0302748.3E | 239 / 69           | MARKED                 | nil     |
| 58                    | Dwelling, Solomianska St, 15a              | 502529.3N 0302842.1E | 284 / 114          | MARKED/ red            | nil     |

|     |                                                    |                      |           |             |     |
|-----|----------------------------------------------------|----------------------|-----------|-------------|-----|
| 60  | Dwelling, Kudryashova St, 16                       | 502550.7N 0302909.6E | 252 / 82  | not MARKED  | nil |
| 65  | Dwelling, Kudryashova St, 20                       | 502548.0N 0302913.7E | 245 / 75  | not MARKED  | nil |
| 66  | Dwelling, Kadetskyi Hai St, 6a                     | 502447.5N 0302759.2E | 229 / 59  | not MARKED  | nil |
| 68  | Dwelling, Solomianska St, 20a                      | 502521.1N 0302844.5E | 269 / 99  | MARKED/ red | nil |
| 71  | 16 Building (stone) living, Lobanovskyi Avenue     | 502507.9N 0302833.7E | 240 / 70  | not MARKED  | nil |
| 73  | 16 Building (stone) living, Dachna St              | 502512.8N 0302841.8E | 232 / 62  | not MARKED  | nil |
| 74  | Dwelling, Pyrohova St, 19/1                        | 502510.4N 0302840.4E | 246 / 76  | not MARKED  | nil |
| 75  | Dwelling, Solomianska St, 24 c.2                   | 502517.9N 0302854.2E | 243 / 73  | not MARKED  | nil |
| 77  | 16 Building (stone) living, Volgogradskaya St, 41a | 502519.8N 0302903.6E | 236 / 66  | not MARKED  | nil |
| 79  | Pipe Thermoelectric plant-6 (270m)                 | 503152.9N 0303946.9E | 376 / 206 | MARKED/ red | nil |
| 81  | 16 Building (stone) living, Batyeva hora           | 502529.1N 0302931.0E | 242 / 72  | not MARKED  | nil |
| 88  | 16 Building (stone) living, Tallinska St, 41/2     | 502517.4N 0302929.9E | 234 / 64  | not MARKED  | nil |
| 90  | 16 Building (stone) living, Tallinska St, 41       | 502515.9N 0302928.3E | 235 / 65  | not MARKED  | nil |
| 101 | Dwelling, Klinichna St, 23/25                      | 502506.0N 0302926.0E | 275 / 105 | MARKED/ red | nil |
| 104 | Building, Kloviskyi descent, 7a                    | 502618.6N 0303221.6E | 334 / 164 | MARKED/ red | nil |
| 105 | 18 Building (stone) living, Klinichna St           | 502507.2N 0302934.4E | 240 / 70  | not MARKED  | nil |
| 108 | Dwelling, by descent Protasiv Yar                  | 502507.8N 0302940.9E | 262 / 92  | not MARKED  | nil |
| 118 | Dwelling, Amosova St 12                            | 502519.8N 0303020.0E | 244 / 74  | MARKED/ red | nil |
| 195 | Tree                                               | 502412.0N 0302824.0E | 183 / 13  | not MARKED  | nil |
| 197 | Tree                                               | 502414.2N 0302848.1E | 193 / 23  | not MARKED  | nil |
| 205 | Tree                                               | 502410.7N 0302824.4E | 183 / 13  | not MARKED  | nil |
| 208 | Tree                                               | 502411.5N 0302847.3E | 190 / 20  | not MARKED  | nil |
| 211 | Antenna LOC-79                                     | 502409.2N 0302811.1E | 181 / 11  | MARKED/ red | nil |
| 227 | Tree                                               | 502408.3N 0302825.3E | 189 / 19  | not MARKED  | nil |
| 230 | Mosque Sum'ska St, 13/25                           | 502408.6N 0302844.4E | 188 / 18  | not MARKED  | nil |
| 279 | ILS GP 259 control                                 | 502404.1N 0302748.1E | 185 / 15  | MARKED/ red | nil |
| 283 | Box van ILS GP 259                                 | 502403.0N 0302743.8E | 182 / 12  | MARKED/ red | nil |
| 284 | ILS GP 259                                         | 502403.9N 0302744.0E | 195 / 25  | MARKED/ red | nil |
| 285 | Box van ILS GP 259                                 | 502403.9N 0302743.3E | 182 / 12  | MARKED/ red | nil |
| 302 | Water tower                                        | 502350.6N 0302938.1E | 230 / 60  | not MARKED  | nil |
| 304 | Dwelling, Vasylykiv'ska St, 18                     | 502345.0N 0303002.0E | 242 / 72  | MARKED/ red | nil |
| 321 | Dwelling, Vasylykiv'ska St, 31/17                  | 502336.8N 0302927.6E | 239 / 69  | MARKED/ red | nil |
| 327 | Dwelling, Rodimceva, 1a                            | 502312.7N 0303045.8E | 232 / 62  | not MARKED  | nil |
| 333 | Pipe                                               | 502341.8N 0302823.7E | 230 / 60  | not MARKED  | nil |
| 335 | Dwelling, Maksymovych'sya St, 3                    | 502330.9N 0302845.4E | 259 / 89  | MARKED/ red | nil |
| 336 | Dwelling, Maksymovych'sya St, 3g                   | 502328.5N 0302847.8E | 258 / 88  | MARKED/ red | nil |
| 339 | Dwelling, Lomonosova St, 3                         | 502327.3N 0302846.3E | 260 / 90  | MARKED/ red | nil |
| 344 | Dwelling, Lomonosova St, 36                        | 502326.7N 0302835.9E | 263 / 93  | not MARKED  | nil |

|     |                                                 |                      |           |             |     |
|-----|-------------------------------------------------|----------------------|-----------|-------------|-----|
| 346 | Dwelling, Lomonosova St, 34a                    | 502324.9N 0302839.1E | 263 / 93  | MARKED      | nil |
| 347 | Dwelling, Maksymovychya St, 7                   | 502330.1N 0302826.4E | 232 / 62  | MARKED      | nil |
| 350 | Dwelling, Heroiv Oborony St, 10a                | 502257.6N 0302932.7E | 268 / 98  | red         | nil |
| 351 | Building, Maksymovychya St, 7v                  | 502326.0N 0302829.9E | 255 / 85  | MARKED      | nil |
| 352 | Building, Lomonosova St, 36a                    | 502324.6N 0302834.5E | 264 / 94  | MARKED      | nil |
| 353 | Building, Maksymovychya St, 9b                  | 502326.9N 0302823.0E | 255 / 85  | MARKED      | nil |
| 355 | Building, Holosiivskyi prospect, 95             | 502259.5N 0302906.8E | 278 / 108 | MARKED/ red | nil |
| 359 | Building, Vasylikivska St, 57                   | 502255.7N 0302840.7E | 252 / 82  | not MARKED  | nil |
| 361 | Metal conduit                                   | 502332.1N 0302751.5E | 235 / 65  | MARKED/ red | nil |
| 362 | Dwelling, Lomonosova St, 73                     | 502313.1N 0302813.0E | 251 / 81  | MARKED/ red | nil |
| 364 | Spire                                           | 502239.9N 0302846.1E | 249 / 79  | not MARKED  | nil |
| 365 | Building, Vilyamsa St, 3/7                      | 502323.9N 0302754.5E | 244 / 74  | MARKED/ red | nil |
| 368 | Dwelling, Lomonosova St, 75a                    | 502306.4N 0302811.7E | 247 / 77  | MARKED/ red | nil |
| 371 | Building, Vilyamsa St, 5                        | 502320.5N 0302747.4E | 244 / 74  | MARKED/ red | nil |
| 375 | Dwelling, Lomonosova St, 81                     | 502306.1N 0302756.0E | 261 / 91  | MARKED/ red | nil |
| 379 | Dwelling, Lomonosova St, 52/3                   | 502306.8N 0302749.8E | 243 / 73  | MARKED/ red | nil |
| 380 | Dwelling, Hlushkova Avenu, 4                    | 502251.0N 0302800.8E | 239 / 69  | not MARKED  | nil |
| 382 | Dwelling, Lomonosova St, 83a                    | 502301.1N 0302749.8E | 245 / 75  | not MARKED  | nil |
| 383 | Dwelling, Hlushkova Avenu, 6                    | 502244.5N 0302758.9E | 237 / 67  | not MARKED  | nil |
| 385 | Dwelling, Lomonosova St                         | 502259.2N 0302744.2E | 257 / 87  | not MARKED  | nil |
| 387 | Dwelling, Lomonosova St, 56                     | 502303.4N 0302741.4E | 251 / 81  | MARKED/ red | nil |
| 390 | Dwelling, Kasiyana, 2/1                         | 502246.2N 0302745.2E | 241 / 71  | red         | nil |
| 391 | Dwelling, Vilyamsa St, 13                       | 502310.7N 0302731.8E | 236 / 66  | MARKED/ red | nil |
| 392 | Dwelling, Hlushkova Avenu, 9d                   | 502210.6N 0302755.8E | 267 / 97  | MARKED/ red | nil |
| 396 | Dwelling, Lomonosova St, 60/5                   | 502259.3N 0302733.3E | 251 / 81  | MARKED/ red | nil |
| 397 | Dwelling, Hlushkova Avenu, 9v                   | 502214.2N 0302750.8E | 271 / 101 | MARKED/ red | nil |
| 399 | Dwelling, Koneva St, 7a                         | 502304.6N 0302730.7E | 250 / 80  | MARKED/ red | nil |
| 400 | Dwelling, Hlushkova Avenu, 9g                   | 502216.2N 0302745.6E | 269 / 99  | red         | nil |
| 401 | 12 Building (stone) living, Zabolotnoho St      | 502203.7N 0302749.7E | 267 / 97  | red         | nil |
| 402 | Dwelling, Vilyamsa St, 14/19                    | 502304.4N 0302720.3E | 249 / 79  | MARKED/ red | nil |
| 403 | Dwelling, Yakubovskoho St, 4                    | 502250.0N 0302720.7E | 234 / 64  | not MARKED  | nil |
| 405 | 16 Building (stone) living, Hlushkova Avenu, 13 | 502159.9N 0302726.9E | 259 / 89  | not MARKED  | nil |
| 406 | 16 Building (stone) living, Hlushkova Avenu, 27 | 502200.9N 0302721.7E | 232 / 62  | not MARKED  | nil |

|     |                                                          |                      |          |             |     |
|-----|----------------------------------------------------------|----------------------|----------|-------------|-----|
| 407 | Dwelling, Teremkivska St, 1                              | 502216.6N 0302718.9E | 263 / 93 | not MARKED  | nil |
| 408 | 16 Building (stone) living, Hlushkova Avenu, 18          | 502205.5N 0302712.3E | 235 / 65 | not MARKED  | nil |
| 409 | 16 Building (stone) living, Lutsenka St, 2a              | 502303.5N 0302709.8E | 231 / 61 | not MARKED  | nil |
| 411 | 16 Building (stone) living, Hlushkova Avenu, 57          | 502154.5N 0302708.2E | 233 / 63 | not MARKED  | nil |
| 413 | 16 Building (stone) living, Hlushkova Avenu, 26          | 502159.5N 0302703.7E | 236 / 66 | not MARKED  | nil |
| 414 | 16 Building (stone) living, Hlushkova Avenu, 34          | 502154.1N 0302655.0E | 238 / 68 | not MARKED  | nil |
| 416 | Pipe, Teremky-1                                          | 502157.0N 0302641.9E | 267 / 97 | MARKED/ red | nil |
| 513 | ILS GP 79                                                | 502359.8N 0302626.2E | 187 / 17 | MARKED/ red | nil |
| 517 | Dwelling, Vishnevoe, Vitianska St, 2b                    | 502326.0N 0302254.5E | 235 / 65 | MARKED/ red | nil |
| 523 | ILS GP 79 control                                        | 502359.7N 0302622.5E | 177 / 7  | MARKED/ red | nil |
| 536 | Streetlight bridge                                       | 502351.1N 0302509.8E | 197 / 27 | not MARKED  | nil |
| 538 | Building, Karla Marksa St, 90                            | 502357.2N 0302555.5E | 177 / 7  | not MARKED  | nil |
| 539 | Building, Karla Marksa St, 90a                           | 502357.2N 0302554.8E | 178 / 8  | not MARKED  | nil |
| 540 | Streetlight bridge                                       | 502351.7N 0302508.3E | 197 / 27 | not MARKED  | nil |
| 545 | Streetlight bridge                                       | 502352.3N 0302506.7E | 198 / 28 | not MARKED  | nil |
| 554 | Streetlight bridge                                       | 502353.0N 0302504.4E | 197 / 27 | not MARKED  | nil |
| 557 | Building, Karla Marksa St, 94a                           | 502358.6N 0302553.2E | 179 / 9  | not MARKED  | nil |
| 569 | Building, Karla Marksa St, 100                           | 502359.2N 0302551.5E | 178 / 8  | red         | nil |
| 572 | Tree                                                     | 502356.3N 0302515.7E | 187 / 7  | not MARKED  | nil |
| 573 | Building, Karla Marksa St, 94v                           | 502359.8N 0302553.8E | 175 / 5  | not MARKED  | nil |
| 579 | Tree (birch)                                             | 502359.7N 0302543.7E | 177 / 7  | not MARKED  | nil |
| 582 | Building, Karla Marksa St, 102a                          | 502400.5N 0302551.7E | 176 / 6  | red         | nil |
| 594 | Transmission tower bridge                                | 502356.8N 0302453.4E | 195 / 25 | not MARKED  | nil |
| 599 | Streetligh Velyka Okruzhna Doroha                        | 502357.4N 0302451.6E | 194 / 24 | not MARKED  | nil |
| 606 | Tree                                                     | 502400.8N 0302537.8E | 185 / 15 | not MARKED  | nil |
| 609 | Building, Medychna St 10                                 | 502401.1N 0302541.7E | 178 / 8  | not MARKED  | nil |
| 618 | Tree                                                     | 502401.2N 0302538.0E | 179 / 9  | not MARKED  | nil |
| 644 | Railways mast                                            | 502401.2N 0302520.1E | 184 / 14 | not MARKED  | nil |
| 703 | Dwelling, Sofiivska Borshchahivka, near Yabluneva St, 13 | 502400.6N 0302336.3E | 209 / 39 | MARKED/ red | nil |
| 715 | Railways mast                                            | 502403.7N 0302523.5E | 184 / 14 | not MARKED  | nil |
| 720 | Tree                                                     | 502404.3N 0302529.4E | 185 / 15 | not MARKED  | nil |
| 726 | Railways mast                                            | 502404.8N 0302524.9E | 184 / 14 | not MARKED  | nil |
| 728 | Dwelling, Sofiivska Borshchahivka, Yabluneva St, 13      | 502403.2N 0302334.6E | 210 / 40 | MARKED/ red | nil |
| 742 | Antenna of mobile communication                          | 502406.0N 0302507.5E | 191 / 21 | not MARKED  | nil |
| 743 | Dwelling, Sofiivska Borshchahivka, Yabluneva St, 5       | 502405.8N 0302335.4E | 210 / 40 | MARKED/ red | nil |
| 746 | Railways mast                                            | 502406.5N 0302526.9E | 184 / 14 | not MARKED  | nil |
| 760 | Railways mast                                            | 502407.9N 0302528.6E | 181 / 11 | not MARKED  | nil |

|      |                                          |                      |           |             |     |
|------|------------------------------------------|----------------------|-----------|-------------|-----|
| 765  | Tree                                     | 502408.6N 0302511.1E | 190 / 20  | not MARKED  | nil |
| 812  | Dwelling, Bulgakova St, 13a              | 502439.5N 0302421.7E | 232 / 62  | MARKED/ red | nil |
| 828  | Dwelling, Koltsova Blvd                  | 502508.1N 0302308.3E | 251 / 81  | red         | nil |
| 852  | Building crane, Sim'i Sosninykh St, 6    | 502524.3N 0302335.5E | 264 / 94  | not MARKED  | nil |
| 857  | Building crane, Simi Sosninykh St, 4     | 502527.8N 0302337.6E | 264 / 94  | not MARKED  | nil |
| 866  | Pipe, Pshenychna St, 4a                  | 502522.2N 0302412.7E | 260 / 90  | MARKED      | nil |
| 886  | Pipe, Chubarya                           | 502459.4N 0302534.5E | 230 / 60  | MARKED      | nil |
| 889  | Dwelling, Steshenka St, 9a               | 502604.9N 0302351.4E | 267 / 97  | not MARKED  | nil |
| 890  | Dwelling, Steshenka St, 7                | 502603.8N 0302355.4E | 270 / 100 | MARKED/ red | nil |
| 919  | Dwelling, Strazhesko, 3                  | 502558.6N 0302512.9E | 235 / 65  | not MARKED  | nil |
| 923  | Dwelling, Shepeleva St, 13               | 502511.4N 0302604.0E | 230 / 60  | red         | nil |
| 924  | Dwelling, Heroiv Sevastopolya St, 35a    | 502558.7N 0302521.5E | 258 / 88  | red         | nil |
| 939  | Dwelling, Kosmonavta Komarova Avenue, 26 | 502621.0N 0302518.7E | 254 / 84  | MARKED/ red | nil |
| 952  | Dwelling, Otradnyy prospekt, 4b          | 502611.8N 0302547.3E | 247 / 77  | not MARKED  | nil |
| 953  | Dwelling, Otradnyy prospekt, 2a          | 502610.4N 0302551.7E | 250 / 80  | not MARKED  | nil |
| 954  | Dwelling, Dontsya St, 2a                 | 502606.7N 0302554.1E | 258 / 88  | MARKED/ red | nil |
| 962  | Dwelling, Kosmonavta Komarova Avenue     | 502611.5N 0302603.1E | 244 / 74  | not MARKED  | nil |
| 963  | Dwelling, Ushynskoho St, 38              | 502523.5N 0302627.8E | 262 / 92  | not MARKED  | nil |
| 985  | Dwelling, Smilyanska St, 15              | 502526.7N 0302644.6E | 232 / 62  | not MARKED  | nil |
| 988  | Dwelling, T.Yablonskoi St, 6             | 502609.8N 0302635.2E | 231 / 61  | not MARKED  | nil |
| 990  | Dwelling, Vasylichenka St, 3             | 502529.0N 0302648.2E | 234 / 64  | not MARKED  | nil |
| 991  | Building, V. Hetmana St, 46a             | 502614.3N 0302643.1E | 242 / 72  | not MARKED  | nil |
| 993  | Dwelling, Ushynskoho St, 14b             | 502559.9N 0302651.5E | 258 / 88  | MARKED      | nil |
| 996  | Dwelling, Volynska St, 10                | 502548.8N 0302657.8E | 263 / 93  | MARKED/red  | nil |
| 1000 | Dwelling, Volynska St, 9-11              | 502546.2N 0302704.3E | 248 / 78  | not MARKED  | nil |
| 1001 | Dwelling, Chokolovskiy bulvar, 42a       | 502618.9N 0302706.0E | 270 / 100 | MARKED/ red | nil |
| 1006 | Dwelling, Lobanovskiy St 4Г              | 502519.0N 0302743.0E | 268 / 98  | MARKED/red  | nil |
| 1008 | Dwelling, Lobanovskiy St 15/7            | 502525.6N 0302755.0E | 245 / 75  | MARKED/     | nil |
| 1009 | Dwelling, Osvity St, 16 B                | 502525.6N 0302800.2E | 269 / 99  | MARKED/red  | nil |
| 1010 | Dwelling, Osvity St, 16 A                | 502526.9N 0302802.2E | 268 / 98  | not MARKED  | nil |
| 1012 | Dwelling, Bogdanivska St                 | 502607.0N 0302836.7E | 247 / 77  | not MARKED  | nil |
| 1013 | Dwelling, Bogdanivska St                 | 502607.6N 0302837.4E | 250 / 80  | not MARKED  | nil |
| 1015 | Dwelling, Bogdanivska St                 | 502609.0N 0302840.0E | 249 / 79  | not MARKED  | nil |
| 1016 | Dwelling, Bogdanivska St                 | 502610.5N 0302843.5E | 249 / 79  | not MARKED  | nil |
| 1018 | Dwelling, Bogdanivska St                 | 502608.2N 0302846.0E | 249 / 79  | red         | nil |
| 1019 | Dwelling, Bogdanivska St                 | 502602.5N 0302842.3E | 241 / 71  | MARKED/red  | nil |

|      |                                                  |                      |          |            |     |
|------|--------------------------------------------------|----------------------|----------|------------|-----|
| 1020 | Dwelling, Lypkivskoho St, 35                     | 502553.6N 0302838.1E | 261 / 91 | not MARKED | nil |
| 1021 | Dwelling, Lypkivskoho St, 37                     | 502551.9N 0302839.2E | 250 / 80 | red        | nil |
| 1022 | Dwelling, Lypkivskoho St, 37                     | 502551.0N 0302841.6E | 250 / 80 | not MARKED | nil |
| 1023 | Dwelling, Lypkivskoho St, 37                     | 502549.8N 0302840.5E | 247 / 77 | not MARKED | nil |
| 1024 | Dwelling, Lypkivskoho St, 37                     | 502548.1N 0302841.3E | 245 / 75 | not MARKED | nil |
| 1025 | Dwelling, Lypkivskoho St, 37                     | 502549.0N 0302844.5E | 247 / 77 | not MARKED | nil |
| 1026 | Dwelling, Volhohradska St, 9A                    | 502534.2N 0302931.3E | 269 / 99 | not MARKED | nil |
| 1030 | Dwelling, Narodna St, 54                         | 502449.3N 0302838.7E | 253 / 83 | not MARKED | nil |
| 1036 | Dwelling, Radchenka St                           | 502439.2N 0302829.1E | 236 / 66 | not MARKED | nil |
| 1059 | Dwelling, Lobanovskoho St, 14B                   | 502425.7N 0303024.0E | 213 / 43 | MARKED/    | nil |
| 1067 | Dwelling, Demiivska St                           | 502412.0N 0303036.9E | 214 / 44 | not MARKED | nil |
| 1069 | Dwelling, Holosiivska St, 58                     | 502409.1N 0303040.5E | 224 / 54 | not MARKED | nil |
| 1070 | Dwelling, Holosiivska St, 58                     | 502408.8N 0303037.1E | 224 / 54 | not MARKED | nil |
| 1071 | Dwelling, Holosiivska St, 58                     | 502405.9N 0303043.0E | 218 / 48 | MARKED/red | nil |
| 1095 | Dwelling, Trytenko St, 3D                        | 502325.2N 0302848.0E | 261 / 91 | red        | nil |
| 1097 | Dwelling, Trytenko St, 36                        | 502324.8N 0302839.6E | 264 / 94 | MARKED/red | nil |
| 1098 | Dwelling, Trytenko St, 36                        | 502326.2N 0302835.1E | 259 / 89 | MARKED/red | nil |
| 1099 | Dwelling, Trytenko St, 36                        | 502324.5N 0302836.2E | 258 / 88 | MARKED/red | nil |
| 1103 | Dwelling, Vasyliivska St, 100                    | 502255.3N 0302834.9E | 267 / 97 | not MARKED | nil |
| 1105 | The house is under construction, Hlushkova St, 6 | 502252.1N 0302801.2E | 237 / 67 | not MARKED | nil |
| 1107 | The house is under construction, Hlushkova St, 6 | 502257.4N 0302854.3E | 259 / 89 | not MARKED | nil |
| 1109 | Dwelling, Hlushkova St, 6                        | 502255.0N 0302752.2E | 260 / 90 | not MARKED | nil |
| 1114 | Dwelling, Hlushkova St, 6                        | 502253.5N 0302748.9E | 260 / 90 | not MARKED | nil |
| 1115 | Dwelling, Hlushkova St, 6                        | 502258.0N 0302745.8E | 257 / 87 | not MARKED | nil |
| 1116 | Dwelling, Hlushkova St, 6                        | 502259.6N 0302744.7E | 259 / 89 | MARKED/red | nil |
| 1118 | Dwelling, Hlushkova St, 6                        | 502254.7N 0302745.1E | 259 / 89 | not MARKED | nil |
| 1119 | Dwelling, Hlushkova St, 9B                       | 502213.5N 0302803.3E | 261 / 91 | MARKED/red | nil |
| 1120 | Dwelling, Teremkivska St, 16                     | 502202.1N 0302653.6E | 239 / 69 | not MARKED | nil |
| 1127 | Dwelling, Vyshneve, Yabluneva St                 | 502341.1N 0302315.9E | 211 / 41 | MARKED/    | nil |
| 1136 | Vyshneve, Martynova St, 8                        | 502358.4N 0302341.6E | 209 / 39 | not MARKED | nil |
| 1137 | Vyshneve, Yabluneva St, 15                       | 502359.3N 0302334.6E | 210 / 40 | not MARKED | nil |
| 1138 | Dwelling, Vyshneve, Yabluneva St, 1              | 502400.3N 0302337.8E | 209 / 39 | MARKED/red | nil |
| 1139 | Dwelling, Vyshneve, Yabluneva St                 | 502408.0N 0302336.0E | 207 / 37 | MARKED/red | nil |
| 1143 | Dwelling, Pokotylo St, 14                        | 502528.7N 0302300.9E | 261 / 91 | not MARKED | nil |
| 1144 | Dwelling, Havela St, 40                          | 502545.9N 0302451.9E | 231 / 61 | MARKED/    | nil |
| 1150 | Dwelling, Polyova St, 73                         | 502608.4N 0302645.6E | 250 / 80 | MARKED/    | nil |



| 1173                  | Tree                       | 502415.7N 0302854.1E | 190 / 20           | not MARKED             | nil     |
|-----------------------|----------------------------|----------------------|--------------------|------------------------|---------|
| 1174                  | Tree                       | 502413.7N 0302850.6E | 191 / 21           | not MARKED             | nil     |
| 1175                  | Tree                       | 502410.4N 0302828.8E | 185 / 15           | not MARKED             | nil     |
| 1176                  | Tree                       | 502409.2N 0302838.2E | 189 / 19           | not MARKED             | nil     |
| 1177                  | Tree                       | 502401.8N 0302821.6E | 196 / 26           | not MARKED             | nil     |
| 1178                  | Crane                      | 502351.1N 0302900.6E | 250 / 80           | not MARKED             | nil     |
| 1179                  | Crane                      | 502350.5N 0302857.7E | 241 / 71           | not MARKED             | nil     |
| 1185                  | Tree                       | 502410.1N 0302534.1E | 191 / 21           | not MARKED             | nil     |
| 1186                  | Tree                       | 502411.8N 0302536.6E | 193 / 23           | not MARKED             | nil     |
| 1187                  | Tree                       | 502413.2N 0302537.4E | 195 / 25           | not MARKED             | nil     |
| 1195                  | Tree                       | 502357.4N 0302551.5E | 182 / 12           | not MARKED             | nil     |
| 1196                  | Tree                       | 502355.6N 0302515.5E | 190 / 20           | not MARKED             | nil     |
| 1197                  | Tree                       | 502406.9N 0302530.9E | 185 / 15           | not MARKED             | nil     |
| 1202                  | Tree                       | 502359.1N 0302531.6E | 179 / 9            | not MARKED             | nil     |
| 1203                  | Tree                       | 502405.6N 0302546.8E | 177 / 7            | not MARKED             | nil     |
| 1204                  | Tree                       | 502406.2N 0302548.4E | 178 / 8            | not MARKED             | nil     |
| 1206                  | Tree of a forest band      | 502410.7N 0302535.4E | 192 / 22           | not MARKED             | nil     |
| 1207                  | Tree                       | 502416.8N 0302819.7E | 190 / 20           | not MARKED             | nil     |
| 1208                  | Tree                       | 502415.0N 0302850.6E | 193 / 23           | not MARKED             | nil     |
| 1209                  | Tree                       | 502414.3N 0302848.5E | 193 / 23           | not MARKED             | nil     |
| 1210                  | Tree                       | 502413.8N 0302850.6E | 191 / 21           | not MARKED             | nil     |
| 1212                  | Tree                       | 502413.9N 0302837.7E | 187 / 17           | not MARKED             | nil     |
| 1219                  | Tree                       | 502411.8N 0302827.0E | 184 / 14           | not MARKED             | nil     |
| 1220                  | Tree                       | 502409.8N 0302835.0E | 187 / 17           | not MARKED             | nil     |
| 1221                  | Tree                       | 502408.4N 0302825.8E | 184 / 14           | not MARKED             | nil     |
| 1222                  | Tree                       | 502408.7N 0302827.2E | 186 / 16           | not MARKED             | nil     |
| 1226                  | Tree                       | 502407.5N 0302822.5E | 183 / 13           | not MARKED             | nil     |
| 1228                  | Tree                       | 502404.1N 0302818.1E | 187 / 17           | not MARKED             | nil     |
| 1300                  | Tree                       | 502414.0N 0302810.0E | 186 / 16           | not MARKED             | nil     |
| In Area 3             |                            |                      |                    |                        |         |
| Obstacle designations | Obstacle type              | Obstacle position    | Elevation / height | Markings / type, color | Remarks |
| 1010                  | Beginning of the fence     | 502426.3N 0302709.5E | 180.5 / 9.7        | not MARKED             | nil     |
| 1023                  | Fence angle                | 502422.6N 0302715.4E | 181.3 / 10.5       | not MARKED             | nil     |
| 1027                  | Quoin building             | 502422.2N 0302716.2E | 181.9 / 11.1       | not MARKED             | nil     |
| 1028                  | Quoin building             | 502421.0N 0302718.4E | 181.9 / 11.1       | not MARKED             | nil     |
| 1029                  | Fence angle                | 502419.8N 0302720.4E | 180.3 / 9.5        | not MARKED             | nil     |
| 1030                  | Fence angle                | 502419.0N 0302722.6E | 181.8 / 11.0       | not MARKED             | nil     |
| 1031                  | Street lamp museum         | 502418.4N 0302727.7E | 187.9 / 17.1       | not MARKED             | nil     |
| 1032                  | Street lamp museum         | 502418.1N 0302729.8E | 188.4 / 17.6       | not MARKED             | nil     |
| 1033                  | Fence                      | 502418.0N 0302731.2E | 179.7 / 8.9        | not MARKED             | nil     |
| 1034                  | Street lamp museum         | 502418.6N 0302733.4E | 187.7 / 16.9       | not MARKED             | nil     |
| 1035                  | Fence                      | 502418.0N 0302732.5E | 179.4 / 8.6        | not MARKED             | nil     |
| 1036                  | Street lamp museum         | 502418.3N 0302737.8E | 187.4 / 16.6       | not MARKED             | nil     |
| 1037                  | Fence                      | 502417.6N 0302739.1E | 179.5 / 8.7        | not MARKED             | nil     |
| 1043                  | Antenna LOC-79 Controlling | 502408.9N 0302805.8E | 179.9 / 9.1        | MARKED/ red            | nil     |
| 1058                  | Fence angle                | 502414.9N 0302609.7E | 172.9 / 2.1        | not MARKED             | nil     |
| 1059                  | Fence angle                | 502416.8N 0302603.4E | 173.3 / 2.5        | not MARKED             | nil     |
| 1060                  | Fence angle                | 502417.6N 0302602.9E | 173.4 / 2.6        | not MARKED             | nil     |
| 1061                  | Fence angle                | 502417.7N 0302602.9E | 173.4 / 2.6        | not MARKED             | nil     |
| 1069                  | Spotlight                  | 502420.9N 0302559.7E | 175.8 / 5.0        | not MARKED             | nil     |
| 1070                  | Street lamp                | 502421.0N 0302600.1E | 182.8 / 12.0       | not MARKED             | nil     |
| 1072                  | Tree                       | 502421.4N 0302600.4E | 182.5 / 11.7       | not MARKED             | nil     |
| 1227                  | Street lamp                | 502431.6N 0302658.4E | 182.5 / 11.7       | not MARKED             | nil     |

**UKKK AD 2.11 Meteorological information provided / Надана метеорологічна інформація**

|    |                                                                      |                                                                                                    |
|----|----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| 1  | Associated MET Office                                                | KYIV/Zhuliany                                                                                      |
| 2  | Hours of service, MET Office outside hours                           | H24                                                                                                |
| 3  | Office responsible for TAF preparation, Periods of validity          | KYIV/Zhuliany / 24HR                                                                               |
| 4  | Type of landing forecast, Interval of issuance                       | TREND/ 30 min                                                                                      |
| 5  | Briefing/consultation provided                                       | P, D                                                                                               |
| 6  | Flight documentation, Language(s) used                               | C, PL, English                                                                                     |
| 7  | Charts and other informations available for briefing or consultation | S, U85, U70, U50, U40, U30, SIGWX, SWL, SWH, SWM                                                   |
| 8  | Supplementary equipment available for providing information          | WXR, Automated Pre-flight Information System "MeteoBriefing" for flight documentation preparation. |
| 9  | ATS unit provided with information                                   | ACC, Zhuliany TWR, GND                                                                             |
| 10 | Additional information (limitation of service, etc.)                 | +38 044 339 24 14, +38 044 249 01 15                                                               |

**UKKK AD 2.12 Runway physical characteristics / Фізичні характеристики RWY**

| Designations RWY NR | True BRG       | Dimensions of RWY | Strength (PCN) and surface of RWY and SWY | THR coordinates RWY end coordinates THR geoid undulation |                  | THR elevation and highest elevation of TDZ of precision APP RWY |                                                                   |
|---------------------|----------------|-------------------|-------------------------------------------|----------------------------------------------------------|------------------|-----------------------------------------------------------------|-------------------------------------------------------------------|
| 1                   | 2              | 3                 | 4                                         | 5                                                        |                  | 6                                                               |                                                                   |
| 08                  | 086.17°        | 2310x45           | 46/R/C/X/T Asphalt                        | 502403.85N<br>0302605.34E<br>-<br>25.6 M                 |                  | THR 170.1 M<br>nil                                              |                                                                   |
| 26                  | 266.17°        | 2310x45           | 46/R/C/X/T Asphalt                        | 502408.85N<br>0302802.07E<br>-<br>25.6 M                 |                  | THR 178.9 M<br>nil                                              |                                                                   |
| Slope of RWY-SWY    | SWY dimensions | CWY dimensions    | Strip dimensions                          | RESA dimensions                                          | Arresting system | OFZ                                                             | Remarks                                                           |
| 7                   | 8              | 9                 | 10                                        | 11                                                       | 12               | 13                                                              | 14                                                                |
| +0.46%              | nil            | 150x150           | 2370x300                                  | 90x90                                                    | nil              | nil                                                             | DTHR coordinates 502404.18N 0302612.91E<br>DTHR elevation 170.8 M |
| -0.46%              | nil            | 60x150            | 2370x300                                  | 90x90                                                    | nil              | nil                                                             | DTHR coordinates 502408.75N 0302759.65E<br>DTHR elevation 178.9 M |

**UKKK AD 2.13 Declared distances / Заявні дистанції**

| RWY Designator | Take-OFF RUN Available | Take-OFF Distance Available | Accelerate-STOP Distance Available | Landing Distance Available | Remarks                                               |
|----------------|------------------------|-----------------------------|------------------------------------|----------------------------|-------------------------------------------------------|
| 1              | 2                      | 3                           | 4                                  | 5                          | 6                                                     |
| 08             | 2310                   | 2460                        | 2310                               | 2160                       | nil                                                   |
| 26             | 2250                   | 2310                        | 2310                               | 2262                       | from TWY 2 :<br>TORA 1890m, TODA 1950m,<br>ASDA 1950m |

**UKKK AD 2.14 Approach and runway lighting / Вогні наближення і вогні RWY**

| RWY Designator | APCH LGT type LEN INTST | THR LGT colour WBAR | VASIS (MEHT) PAPI    | TDZ LGT LEN | RWY Centre Line LGT Length, spacing, colour, INTST | RWY edge LGT LEN, spacing colour INTST                                              | RWY End LGT colour WBAR | SWY LGT LEN (M) colour | Remarks                                             |
|----------------|-------------------------|---------------------|----------------------|-------------|----------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------|------------------------|-----------------------------------------------------|
| 1              | 2                       | 3                   | 4                    | 5           | 6                                                  | 7                                                                                   | 8                       | 9                      | 10                                                  |
| 08             | CAT I<br>900 M<br>LIH   | Green               | PAPI<br>/ 3°<br>Left | nil         | nil                                                | 2310 m, 60 m,<br>0-150 m red,<br>150-1710 m white,<br>1710-2310 m<br>yellow,<br>LIH | Red                     | nil                    | ALS with<br>flashing lights<br>900-300m from<br>THR |
| 26             | CAT I<br>300 M<br>LIH   | Green               | PAPI<br>/ 3°<br>Left | nil         | nil                                                | 2262 m, 60 m,<br>0-1692 m white,<br>1692-2262 m yellow<br>LIH                       | Red                     | nil                    | nil                                                 |

**UKKK AD 2.15 Other lighting, secondary power supply / Інші вогні, резервне джерело електроживлення**

|   |                                                          |                                                             |
|---|----------------------------------------------------------|-------------------------------------------------------------|
| 1 | ABN/IBN location, characteristics and hours of operation | nil / nil                                                   |
| 2 | LDI location and LGT<br>Anemometer location and LGT      | nil<br>nil                                                  |
| 3 | TWY edge and centre line lighting                        | Centre line: TWY 4<br>Edge: TWY 1, TWY 2, TWY 4; blue       |
| 4 | Secondary power supply/switch over time                  | AVBL. Switch-over time 1 seconds (switching time of an ATS) |
| 5 | Remarks                                                  | nil                                                         |

**UKKK AD 2.16 Helicopter Landing Area / Зона посадки вертольотів**

|   |                                                          |                        |
|---|----------------------------------------------------------|------------------------|
| 1 | Coordinates TLOF or THR FATO, geoid undulation           | 502424.1N 0302645.5E   |
| 2 | TLOF and/or FATO elevation M                             | 177,1 M                |
| 3 | TLOF and FATO area dimension, surface, strength, marking | 35 x 35 M, grass, MRKD |
| 4 | True BRG of FATO                                         | nil                    |
| 5 | Declared distance available                              | nil                    |
| 6 | APP and FATO lighting                                    | nil                    |
| 7 | Remarks                                                  | nil                    |

**UKKK AD 2.17 ATS Airspace / Повітряний простір ATS**

| Designation and lateral limits                                                                                                             | Vertical Limits     | Airspace classification | ATS unit call sign/Language(s) | Transition altitude | Hours of applicability | Remarks |
|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------------|--------------------------------|---------------------|------------------------|---------|
| 1                                                                                                                                          | 2                   | 3                       | 4                              | 5                   | 6                      | 7       |
| CTR Kyiv/Zhuliany<br>502632N 0301513E - 502744N 0304229E -<br>501920N 0304320E - 501824N 0301830E -<br>501846N 0301605E - 502632N 0301513E | <u>700 M</u><br>SFC | D                       | Zhuliany Tower<br>Rus, Eng     | 3050 M              | H24                    | nil     |

**UKKK AD 2.18 ATS Communication Facilities / Засоби зв'язку ATS**

| Service designation | Call sign       | Frequency   | Hours of operation | Remarks |
|---------------------|-----------------|-------------|--------------------|---------|
| 1                   | 2               | 3           | 4                  | 5       |
| ATIS                | Zhuliany ATIS   | 126.800 MHZ | H24                | Rus     |
| ATIS                | Zhuliany ATIS   | 127.475 MHZ | H24                | Eng     |
| GND                 | Zhuliany Ground | 119.000 MHZ | H24                | nil     |
| TWR                 | Zhuliany Tower  | 120.700 MHZ | H24                | nil     |

**UKKK AD 2.19 Radio navigation and landing aids / Радіонавігаційні засоби і засоби посадки**

| Type of aid and VAR<br>(For VOR/ILS/MLS, give<br>station declination) | ID  | Frequency             | Hours of<br>operation | Site of transmitting<br>antenna coordinates | Elevation of DME<br>transmitting antenna | Remarks        |
|-----------------------------------------------------------------------|-----|-----------------------|-----------------------|---------------------------------------------|------------------------------------------|----------------|
| 1                                                                     | 2   | 3                     | 4                     | 5                                           | 6                                        | 7              |
| NDB                                                                   | ZK  | 733.00 KHZ            | H24                   | 502401.5N 0302509.2E                        |                                          |                |
| LOC 08 ILS                                                            | IKI | 111.70 MHZ            | H24                   | 502409.3N 0302811.4E                        |                                          |                |
| GP                                                                    |     | 333.50 MHZ            | H24                   | 502359.9N 0302626.6E                        |                                          | 3°, RDH 15.2 m |
| DME                                                                   |     | 1078.00 MHZ<br>CH 54X | H24                   | 502359.9N 0302626.5E                        | 173.7M                                   |                |
| LOC 26 ILS                                                            | IKV | 108.30 MHZ            | H24                   | 502403.1N 0302546.9E                        |                                          |                |
| GP                                                                    |     | 334.10 MHZ            | H24                   | 502404.1N 0302744.4E                        |                                          | 3°, RDH 16.3 m |
| DME                                                                   |     | 1044.00 MHZ<br>CH 20X | H24                   | 502404.1N 0302744.5E                        | 181.1M                                   |                |

**UKKK AD 2.20 Local traffic regulations / Місцеві правила руху**

1. Towing/taxing of ACFT is executed after clearance from ATC is obtained, according to appropriate charts, marking, and existence of continuous radio contact with ATC.
2. Taxiing via TWY 1, 2, and 4 behind Follow-me-Car is executed when visibility is less than 550 m or after flight crew request. Assistance of Follow-me-Car is obligatory at aprons M, L.
3. Maximum wingspan for taxiing via TWY 4 is 30,5 m.
4. TWY 6 is used only for towing to/from aircraft overhaul plant № 410.

5. Warning! Do not mix up brightly illuminated highway and approach lights when landing at RWY 08.
6. Take off and landing of helicopters with rotor diameter of more than 13 meters are performed on the runway with further taxiing to the ACFT of stand.
7. RWY condition information is included in ATIS when runway condition is worse than CLEAR/DAMP and braking action is worse than GOOD.

**UKKK AD 2.21 Noise abatement procedures / Експлуатаційні прийоми зниження шуму**

1. Standart noise abatement procedure (NADP2) is compulsory during take-off.
2. Noise abatement is provided by Continuous descent operations (CDO) and accurate execution of STAR during approach and landing procedure.
3. Daily from 23:00 to 07:00 local time, flights of the following ACFT shall be prohibited: AN12, AN24, AN26, AN30, AN32, TU134 and their modifications, helicopters MI2, MI8 and their modifications, in case those do not satisfy the certification requirements of Chapter 3 Supplement 16 Volume 2 ICAO, except VIP, medical and search and rescue flights.
4. Daily from 23:00 to 07:00 local time scheduled flights and business flights are restricted.
5. Reverse thrust is not used from 23:00 to 07:00 local time, except when it is necessary for flight safety.

**UKKK AD 2.22 Flight procedures / Процедури польотів**

1. Operating zone LOC 08 ILS and LOC 26 ILS is 10° both ways from RWY centerline.
2. Airport KYIV/Zhuliany is a coordinated airport of the second level according to IATA classification.  
Cooperation/coordination is executed via indicated communication channels:  
- requests for execution, change or cancellation of flights (except business aviation, general aviation flights) should be submitted to coordinator at least 3 days before planned flight date as formalized IATA message SMA: MON-FRI 06:00-15:00 (05:00-14:00); SITA: IEVOPXH; e-mail: schedule@airport.kiev.ua, shypylo@airport.kiev.ua;

1. Буксирування/руління ACFT виконується за дозволу АТС, відповідно до маркувальних знаків, встановленої схеми та наявності безперервного зв'язку з АТС.
2. Руління по TWY 1, 2 та 4 за машиною супроводу виконується при видимості нижче 550 м або за запитом екіпажу ACFT. Руління по перону М, L виключно за машиною супроводу.
3. TWY 4 дозволяється руління ACFT з максимальним розмахом крила 30,5 м.
4. TWY 6 використовується виключно для буксирування до/з авіаремонтного заводу № 410.
5. Увага! При заході на посадку на RWY 08 не переплутайте яскраво освітлену автодорогу та вогні наближення.
6. Зльоти та посадки вертольотів, з діаметром несучого гвинта більше 13 метрів здійснюються на RWY з подальшим зарулюванням на місце стоянки.
7. Інформація щодо стану RWY включається до ATIS тільки коли стан RWY гірше ніж CLEAR/DAMP та умови гальмування гірші ніж GOOD.

1. На зльоті застосування стандартних процедур обмеження шумів (NADP2) обов'язково.
2. У зоні підходу і заходу на посадку зменшення шуму забезпечується безступінчатим зниженням і точним витримуванням схем STAR.
3. Щодня з 23:00 до 07:00 за місцевим часом заборонити виконання польотів ACFT наступних типів: AN12, AN24, AN26, AN30, AN32, TU134 та їх модифікацій, вертольотів MI2, MI8 і їх модифікацій, які не відповідають сертифікаційним вимогам Глави 3 Додатки 16 Том 2 ICAO, за винятком літерних, медичних та аварійно-рятувальних польотів.
4. Щодня з 23:00 до 07:00 за місцевим часом ввести обмеження виконання польотів регулярних рейсів і рейсів бізнес-авіації.
5. Реверс тяги двигунів не використовується з 23:00 до 07:00 за місцевим часом крім випадків, коли це впливає на безпеку польотів.

1. Зона дії LOC 08 ILS та LOC 26 ILS 10° в обидві сторони від осі RWY.
2. Аеропорт КИЇВ/Жуляни є координованим аеропортом другого рівня за класифікацією IATA.  
Взаємодія/узгодження здійснюється в такі терміни по зазначеним каналам зв'язку:  
- запити на виконання, зміну або відміну польотів (крім польотів бізнес авіації та авіації загального призначення) мають бути надані координатору не менше ніж за 3 дні до дати та часу виконання рейсу у вигляді формалізованого повідомлення SMA у відповідності до діючого стандарту IATA: MON-FRI 06:00-15:00 (05:00 -14:00); SITA: IEVOPXH; e-mail: schedule@airport.kiev.ua, shypylo@airport.kiev.ua;

- requests for execution, change or cancellation of business aviation flights, general aviation flights (except urgent flights operation) should be submitted to coordinator not later than 17:00 (16:00) of planned flight date and time according to approval airport application: SITA: IEVOPXH; e-mail: schedule@airport.kiev.ua;

- requests for execution, change or cancellation of business aviation flights, general aviation flights that are performed by urgent flights operations should be submitted to coordinator not later than 6 hours before planned time of flight arrival/departure according to approval airport application: SITA: IEVOPXH; e-mail: schedule@airport.kiev.ua;

Flights that don't have/not comply with approved slots are prohibited.

### 3. Low visibility procedures (LVP).

Criteria for LVP application:

- only for take-off;
- when RVR is less than 550 m;
- pilots are informed about LVP application by ATIS or ATC;

- all ACFT taxi behind Follow-me-Car from stand to holding position (sign of ILS critical zone);
- engine start-up clearance is issued with taxi sequence and TWY availability considered;
- only one ACFT is allowed to move in the movement area.

### 4. VFR flights.

Waypoints and prescribed VFR routes are established for VFR flights entering/leaving or flying through CTR Kyiv/Zhuliany and may be used if needed, but not mandatory for planning and usage.

### 5. Continuous descent operations (CDO).

5.1. CDOs are performed during low traffic density time and are requested by pilot or offered by ATCO.

5.2. CDOs are executed only by ACFT that use STAR RNAV arrival procedures. (ENR 1.5.).

5.3. CDOs are authorized only when following conditions are respected:

- ILS of RWY intended for landing is in operation;
- no adverse weather conditions that may affect CDO;

- no system degradations that may affect GNSS, DME/DME, or ILS operation.

5.4. After receiving "WHEN READY DESCEND TO (LEVEL)" or "DESCEND TO (LEVEL) AT PILOTS DISCRETION" clearance the pilot is allowed to plan/optimize vertical profile in order to apply CDO to FAP.

5.5. Depending on traffic CDO may start from TOD or lower levels.

5.6. CDO starts from TOD:

5.6.1. After clearance "WHEN READY DESCEND TO (LEVEL)" or "DESCEND TO (LEVEL) AT PILOTS DISCRETION" pilot should maintain the cruising/last assigned level until the optimal descent point/TOD that is determined by pilot or FMS, then start descent with no extra requests unless other ATCO instructions are issued.

5.6.2. If necessary, ATCO may issue additional instructions: "WHEN READY DESCEND TO (LEVEL), REPORT LEAVING (or REPORT TOP-OF-DESCENT)".

5.6.3. Considering airspace structure, ATCO issues an instruction to descend to level(s) above level of FAP. Wherein ATCO issues further descent instruction prior to CDO flight reaching 700 m above last assigned level.

5.6.4. After contact with appropriate lower TMA sector established, ATCO issues approach clearance: "DESCEND TO (LEVEL OF FAP) CLEARED ILS APPROACH RUNWAY (NUMBER)". With this clearance pilot should proceed via cleared waypoint(s) to intercept ILS.

- запити на виконання, зміну або відміну польотів бізнес авіації або авіації загально призначення (крім польотів, що виконуються за терміновими планами), мають бути надані координатору не пізніше 17:00 (16:00) у добу попередню до запланованої дати польоту, у вигляді встановленої формалізованої заявки: SITA: IEVOPXH; e-mail: schedule@airport.kiev.ua;

- запит на виконання, зміну або відміну польотів бізнес авіації або авіації загального призначення, що виконуються за терміновими планами, мають бути надані координатору не пізніше ніж за 6 годин до запланованого часу прибуття/відправлення рейсу у вигляді встановленої формалізованої заявки: SITA: IEVOPXH; e-mail: schedule@airport.kiev.ua;

Польоти, що не мають або такі, що не відповідають затвердженням слотам, заборонені.

### 3. Процедури низької видимості (LVP).

Критерії застосування LVP:

- виключно для зльоту;
- при значенні RVR менше 550 м;
- екіпажі інформуються про початок застосування LVP за допомогою ATIS або диспетчером ATC;
- всі ACFT повинні слідувати за машиною супроводу від stand до місця очікування біля RWY (знак критичної зони ILS);
- дозвіл на запуск двигунів видається з урахуванням послідовності руління та зайнятості TWY;
- дозволяється рух робочою площею аеродрому одночасно тільки одному ACFT.

### 4. Польоти за VFR.

Для польотів за VFR в/з або транзитних через зону CTR Kyiv/Zhuliany встановлені точки та маршрути польоту за VFR, які можуть бути використані за необхідності, але не є обов'язковими для планування та використання.

### 5. Польоти в режимі безступеневого зниження (CDO).

5.1. CDO застосовуються у періоди низької інтенсивності руху, за запитом пілота або пропозицією ATCO.

5.2. CDO можуть застосовуватися виключно ACFT які використовують процедури прибуття STAR RNAV (ENR 1.5.).

5.3. CDO дозволяються виключно при виконанні таких умов:

- ILS RWY призначеної для посадки знаходиться в експлуатації;
- відсутні несприятливі погодні умови, які можуть впливати на виконання CDO;
- відсутні деградації системи, які можуть впливати на роботу GNSS, DME/DME або ILS.

5.4. Після отримання дозволу "ПО ГОТОВНОСТИ СНИЖАЙТЕСЬ ДО (УРОВЕНЬ)" або "СНИЖАЙТЕСЬ ДО (УРОВЕНЬ) ПО УСМОТРЕНИЮ ПИЛОТА", пілоту дозволяється планувати/оптимізувати вертикальний профіль з метою застосування CDO до FAP.

5.5. Залежно від повітряної обстановки, CDO може починатися з TOD або з нижчих рівнів.

5.6. CDO починається з TOD:

5.6.1. Після отримання дозволу "ПО ГОТОВНОСТИ СНИЖАЙТЕСЬ ДО (УРОВЕНЬ)" або "СНИЖАЙТЕСЬ ДО (УРОВЕНЬ) ПО УСМОТРЕНИЮ ПИЛОТА", пілоту слід витримувати крейсерський/останній призначений рівень до точки оптимального зниження/TOD, що визначається пілотом або за допомогою FMS та почати зниження без надання додаткових запитів, якщо не отримано інших вказівок від ATCO.

5.6.2. При необхідності ATCO може видавати додаткові вказівки: "ПО ГОТОВНОСТИ, СНИЖАЙТЕСЬ ДО (УРОВЕНЬ), ДОЛОЖИТЕ НАЧАЛО СНИЖЕНИЯ (ДОЛОЖИТЕ ТОЧКУ НАЧАЛА СНИЖЕНИЯ)".

5.6.3. Враховуючи структуру повітряного простору, ATCO видає вказівки знижуватися спочатку до рівня (рівнів) вищих за рівень FAP. При цьому ATCO видає вказівку про подальше зниження до того, як ACFT, що виконує CDO, досягне рівня на 900 м вище за останній заданий рівень.

5.6.4. Після встановлення зв'язку з відповідним нижнім сектором ТМА, ATCO видає дозвіл на заходження на посадку: "СНИЖАЙТЕСЬ ДО (УРОВЕНЬ FAP), РАЗРЕШАЮ ЗАХОД ПО ILS ПОЛОСА (НОМЕР)". Отримавши такий дозвіл, пілоту слід продовжувати політ через дозволену маршрутну точку (точки) для захоплення ILS.

5.7. Pilots should maintain MAX IAS 220 kt at distance 20 track miles from touchdown.

5.8. Specified minimum levels at waypoints must be adhered unless cancelled by ATCO.

5.9. If the CDO flight becomes impossible due to an emergency, weather conditions, or traffic situation, pilots are informed by ATCO and an alternate instruction is issued: "CONTINUOUS DESCENT NOT POSSIBLE DUE TO (REASON FOR CDO SUSPENDING), (ALTERNATE INSTRUCTION)".

6. Direct routing between aerodromes of TMA Kyiv for IFR flights.

6.1 Flight planning.

The field 15 of FPL should consist of DCT segments, which are defined within the Route Availability Document (RAD) "Appendix 5 - Airport connectivity" [www.nm.eurocontrol.int/RAD/index.html](http://www.nm.eurocontrol.int/RAD/index.html), otherwise FPL will be rejected.

6.2 Air traffic services.

6.2.1 ATC departure clearance will include flight conditions.

6.2.2 Before departure from TMA Kyiv aerodromes to Kyiv/Zhuliany aerodrome, ACFT crew should receive ATIS information broadcast on **FREQ 127.475 MHz (Eng)** or **126.800 MHz (Rus)**, by phone **+380443516433 (Rus only)** or by request from ATC unit at departure aerodrome. ACFT crew should report code of ATIS information in the initial contact with TMA Kyiv BV5 on **FREQ 125.3 MHz**.

6.2.3 After take-off expect radar vectoring to pilot-interpreted final approach aids.

6.2.4 In case of radio communication failure ACFT crew should:

- switch to transponder code A 7600 immediately;
- proceed to IAF ZK NDB at altitude 4000 ft or at the last assigned altitude (FL) if it is higher than 4000 ft, hold over ZK NDB for 5 min, then execute instrument approach procedure for RWY in use which is broadcasted by ATIS.

7. Flights which has experienced radio communication failure shall:

- follow the RCF procedures as published in ENR 1.5.2, 1.6.6, 1.6.7 and
- when able to see light gun signal from control tower, follow that instruction.

8. Communication facilitation.

8.1. Monitor ATIS on **FREQ 126.800 MHz (Rus)** or **FREQ 127.475 MHz (Eng)** before requesting for ATC clearance.

ATC clearance provided by "Zhuliany Ground" on **FREQ 119.000 MHz**.

Report you have current ATIS, providing ATIS code letter at initial contact with Ground.

8.2. After departure immediately contact Kyiv Radar (BV5) on **FREQ 125.300**.

8.3. Report you have current ATIS, providing ATIS code letter at initial contact with Kyiv-Radar (BV1 (127.725) or BV2 (124.675)).

8.4. QFE is not included in ATIS and provided by ATC on request.

8.5. When convective phenomena are observed by weather radar within 100 km from ARP, only following general warning will be included in ATIS:

**"CAUTION! CONVECTIVE PHENOMENA ARE OBSERVED WITHIN 100 KILOMETRES FROM THE AERODROME BY WEATHER RADAR"**

Detailed data could be provided by ATC on request.

9. Intersection take-off.

Intersection take-off allowed for RWY26/TWY2 intersection.

See TORA, TODA and ASDA in the table UKKK AD 2.13 Declared distances.

10. Minimum levels provided by an ATC when ACFT is under radar vectoring or direct routing include corrections for low temperature effect for temperature within a range from minus 28°C to plus 4°C inclusively.

11. Speed restrictions for arriving ACFT.

MAX 250 kts IAS at or below 3050m within 30 NM from aerodrome Kyiv/Zhuliany unless otherwise instructed.

5.7. Пілотам слід витримувати MAX IAS 220 вузлів (407 км/год) на відстані 20 трек миль (37 км) від точки приземлення.

5.8. Зазначені на маршрутних точках мінімальні рівні мають бути витримані, якщо вони не були скасовані АТСО.

5.9. Якщо через аварійну ситуацію, погодні умови чи повітряну обстановку виконання CDO стає неможливим, АТСО інформує пілотів та видає альтернативну вказівку: "БЕССТУПЕНЧАТОЕ СНИЖЕНИЕ НЕВОЗМОЖНО, ИЗ-ЗА (ПРИЧИНА ПРЕКРАЩЕНИЯ CDO), (АЛЬТЕРНАТИВНОЕ УКАЗАНИЕ)".

6. Польоти за IFR по найкоротших маршрутах між аеродромами ТМА Київ.

6.1 Планування польотів.

Поле 15 FPL повинне складатися з ділянок DCT, які опубліковані в Додатку 5 "Сполучення між аеропортами" до Документу доступності маршрутів (RAD) [www.nm.eurocontrol.int/RAD/index.html](http://www.nm.eurocontrol.int/RAD/index.html), в іншому випадку FPL буде відхилений.

6.2 Обслуговування повітряного руху.

6.2.1 Диспетчерський дозвіл на виліт буде включати умови виконання польоту.

6.2.2 Перед вильотом з аеродромів ТМА Київ на аеродром Київ/Жуляни, екіпаж повинен прослухати інформацію ATIS на частоті **126.800 МГц (рос.)** або **127.475 MHz (англ.)**, отримати її по телефону **+380443516433 (тільки рос.)** або запитати у диспетчера аеродрому вильоту. Після встановлення зв'язку з диспетчером ТМА Київ BV5 на частоті **125.3 МГц** доповісти про наявність інформації ATIS.

6.2.3 Після зльоту очікуйте радіолокаційне наведення на засіб заключного сегмента заходження на посадку, показники якого інтерпретуються екіпажем АСФТ.

6.2.4 У разі відмови радіозв'язку екіпаж АСФТ зобов'язаний:

- встановити код відповідача 7600;
- слідувати на IAF ZK NDB на абсолютній висоті 4000 футів або на останньому заданому рівні, якщо він вище 4000 футів, очікувати над ZK NDB протягом 5 хв, потім виконати заходження на посадку за приладами на робочу RWY, яка вказана в інформації ATIS.

7. У випадку втрати радіозв'язку екіпажі АСФТ повинні:

- Дотримуватися процедур, викладених в ENR 1.5.2, 1.6.6, 1.6.7 і
- при можливості спостерігати сигнальний прожектор - слідувати цим вказівкам

8. Спрощення радіозв'язку.

8.1. Перед запитом диспетчерського дозволу на виліт прослухайте інформацію ATIS **126.800 (Rus)** або **127.475 (Eng)**.

Диспетчерський дозвіл на виліт видає "Zhuliany Ground" на частоті **119.000 MHz**.

При початковому встановленні радіозв'язку з Ground слід доповісти про прослуховування поточної інформації ATIS, зазначивши її кодове позначення.

8.2. Після зльоту негайно встановіть радіозв'язок з Kyiv Radar на частоті **125.300 MHz**.

8.3. При початковому встановленні радіозв'язку з Kyiv-Radar (сектори BV1 (127.725) або BV2 (124.675) слід доповісти про прослуховування поточної інформації ATIS, зазначивши її кодове позначення.

8.4. Значення QFE до повідомлення ATIS не включається та може бути надано диспетчером АТС за запитом.

8.5. Якщо за даними метеорологічного радіолокатора в радіусі 100 км від ARP спостерігаються конвективні явища, до інформації ATIS включається лише таке загальне попередження:

**«ВНИМАНИЕ!! ПО ДАННЫМ МЕТЕОЛОКАТОРА В РАДИУСЕ 100 КИЛОМЕТРОВ ОТ АЭРОДРОМА НАБЛЮДАЮТСЯ КОНВЕКТИВНЫЕ ЯВЛЕНИЯ»**

Детальна інформація може бути надана диспетчером АТС за запитом.

9. Зліт не від початку RWY.

Зліт не від початку RWY дозволяється для RWY26 від перетину з TWY2.

Значення TORA, TODA та ASDA наведено у таблиці UKKK AD 2.13 Наявні дистанції.

10. Мінімальні рівні, що призначаються АТС при радіолокаційному наведенні або скороченні траєкторії польоту, враховують поправку на вплив низьких температур в діапазоні від мінус 28°C та плюс 4°C включно.

11. Обмеження швидкості для АСФТ, що прибувають.

Максимальна швидкість 250 kts IAS (465 км/год) на /або нижче висоти 3050 м у межах 30 NM від аеродрому Київ/Жуляни.

**UKKK AD 2.23 Additional information / Додаткова інформація**

Pilots should be aware that due to a seasonal migration and other factors beyond a control of Kyiv/Zhuliany Airport, bird activity in the vicinity of the airport can be expected at all times. Caution is advised.

Ornithological situation in aerodrome area is as follows:

- During spring there is a danger of ACFT encountering birds due to migration (March-May). The most dangerous are rooks, pigeons and gulls.
- Summer period (June-August) is characterized by the danger associated with rook nestlings, flying out of nests.
- During the period of mass migration in autumn (September-November), the most dangerous are rooks, gulls, ducks and pigeons.
- Ornithological condition is relatively calm during the winter period although migration of rooks is observed during the periods of thaw.

Пілоти попереджаються про те, що через сезонну міграцію та інші фактори, які не можуть бути проконтрольованими аеропортом Київ (Жуляни), перельоти птахів навколо аеродрому можуть спостерігатися у будь-який час, тому рекомендується застосовувати відповідні запобіжні заходи.

Орнітологічна обстановка в районі аеродрому наступна:

- У період весняної міграції птахів (березень-травень) існує небезпека їхнього зіткнення з АСФТ. Найбільш небезпечні граки, голуби і чайки.
- У літній період (червень-серпень) небезпеку створюють пташенята граків, що вилітають із гнізд.
- В осінній період (вересень-листопад), період масової осінньої міграції, найбільш небезпечними є граки, чайки, качки і голуби.
- Зимовий період відносно спокійний в орнітологічному відношенні, але спостерігаються переміщення граків на годівлю при відлигах.

**UKKK AD 2.24 Charts related to the aerodrome / Карти які відносяться до аеродрому**

| Name                                                       | Page               | Date        |
|------------------------------------------------------------|--------------------|-------------|
| AERODROME CHART-ICAO                                       | UKKK AD 2.24.1-1   | 08 NOV 2018 |
| AIRCRAFT PARKING/DOCKING CHART - ICAO                      | UKKK AD 2.24.2-1   | 23 MAY 2019 |
| AERODROME GROUND MOVEMENT CHART-ICAO                       | UKKK AD 2.24.3-1   | 23 MAY 2019 |
| AERODROME OBSTACLE CHART-ICAO - TYPE A                     | UKKK AD 2.24.4-1   | 07 NOV 2019 |
| ATC SURVEILLANCE MINIMUM ALTITUDE CHART-ICAO               | UKKK AD 2.24.7-1   | 07 NOV 2019 |
| STANDARD DEPARTURE CHART INSTRUMENT (SID) - ICAO RWY 08    | UKKK AD 2.24.8-1   | 03 JAN 2020 |
| STANDARD DEPARTURE CHART INSTRUMENT (SID) - ICAO RWY 26    | UKKK AD 2.24.8-3   | 03 JAN 2020 |
| STANDARD DEPARTURE CHART INSTRUMENT (SID)-ICAO RNAV RWY 08 | UKKK AD 2.24.8-5   | 03 JAN 2020 |
| STANDARD DEPARTURE CHART INSTRUMENT (SID)-ICAO RNAV RWY 26 | UKKK AD 2.24.8-9   | 03 JAN 2020 |
| FRA DEPARTURE CONNECTING ROUTES                            | UKKK AD 2.24.8-13  | 07 NOV 2019 |
| STANDARD ARRIVAL CHART INSTRUMENT (STAR)-ICAO RWY 08/26    | UKKK AD 2.24.10-1  | 03 JAN 2020 |
| STANDARD ARRIVAL CHART INSTRUMENT (STAR)-ICAO RNAV RWY 08  | UKKK AD 2.24.10-5  | 03 JAN 2020 |
| STANDARD ARRIVAL CHART INSTRUMENT (STAR)-ICAO RNAV RWY 26  | UKKK AD 2.24.10-9  | 03 JAN 2020 |
| FRA ARRIVAL CONNECTING ROUTES                              | UKKK AD 2.24.10-13 | 23 MAY 2019 |
| INSTRUMENT APPROACH CHART (IAC)-ICAO ILS OR LOC RWY 08     | UKKK AD 2.24.12-1  | 07 NOV 2019 |
| INSTRUMENT APPROACH CHART (IAC)-ICAO NDB RWY 08            | UKKK AD 2.24.12-2  | 07 NOV 2019 |
| INSTRUMENT APPROACH CHART (IAC)-ICAO ILS or LOC RWY 26     | UKKK AD 2.24.12-3  | 07 NOV 2019 |
| INSTRUMENT APPROACH CHART (IAC)-ICAO NDB RWY 26            | UKKK AD 2.24.12-4  | 07 NOV 2019 |
| VISUAL APPROACH CHART                                      | UKKK AD 2.24.12-5  | 07 NOV 2019 |

INTENTIONALLY LEFT BLANK



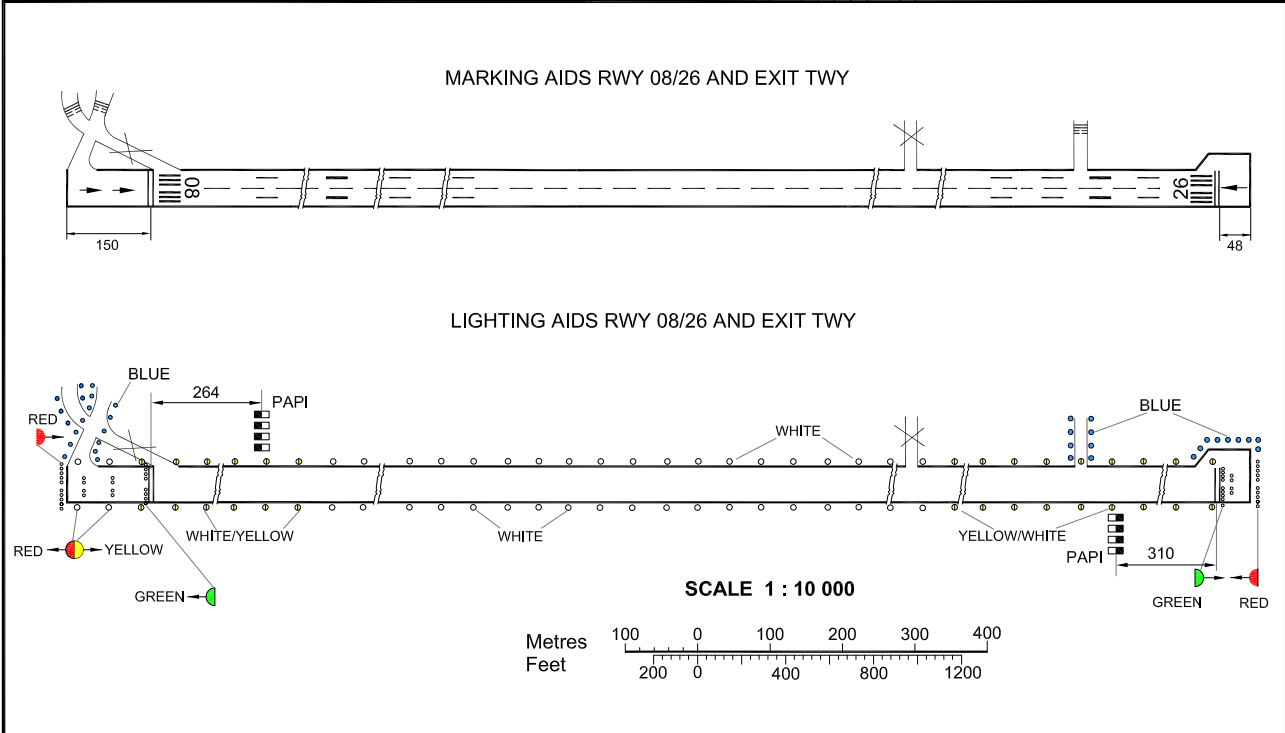
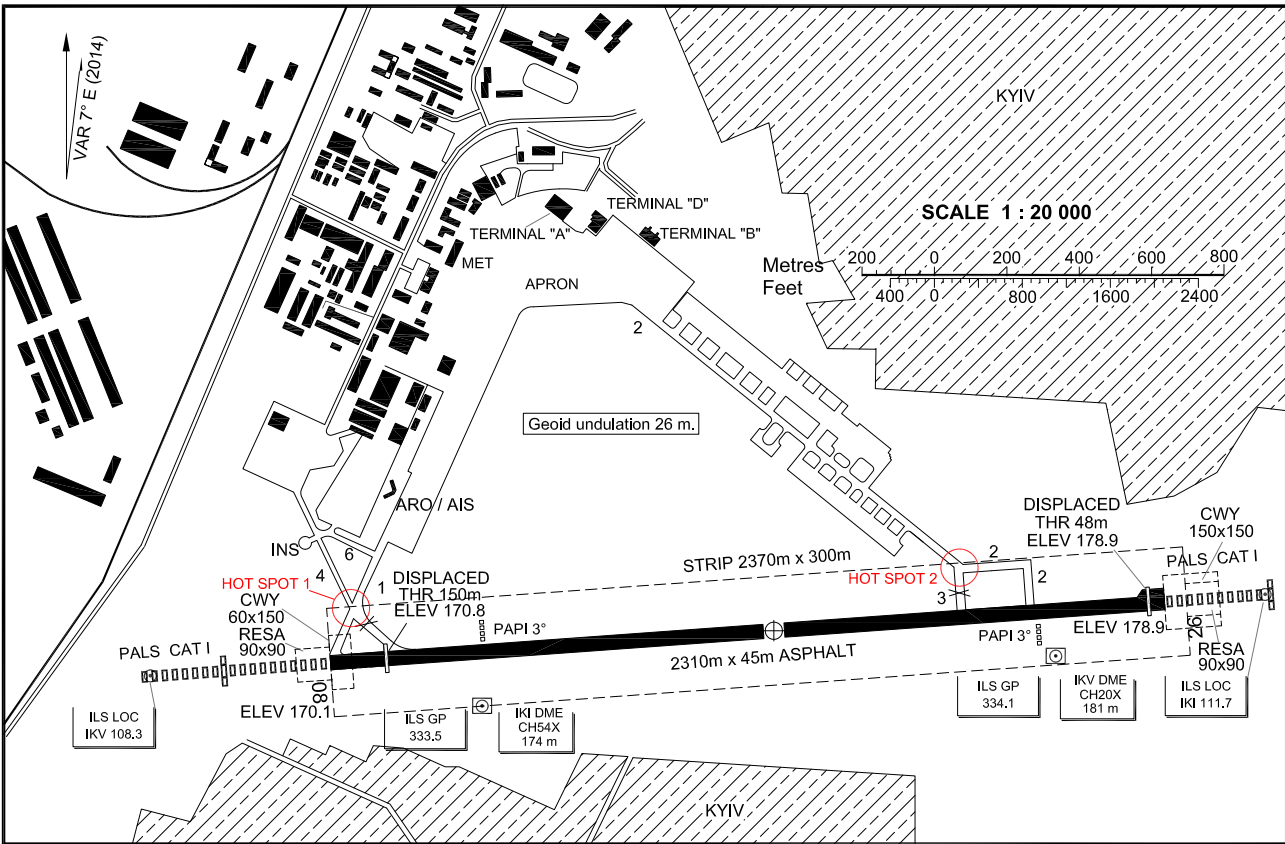
AERODROME CHART-ICAO

ARP:  
50°24'07"N  
030°27'07"E

ELEV 179 m

TWR 120.700  
Ground 119.000

KYIV/Zhuliany



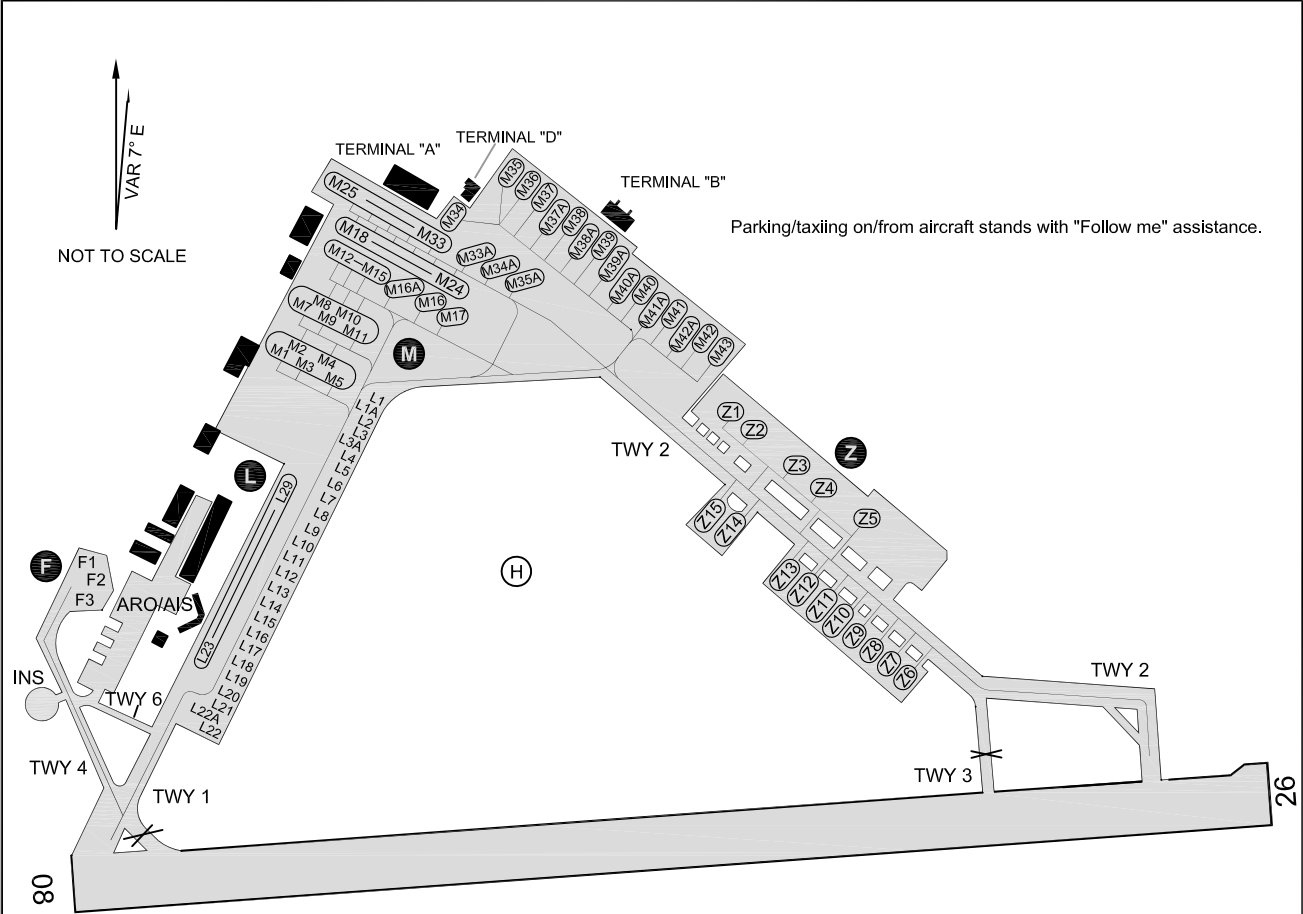
| RWY              | DIRECTION | THR                             | STRENGTH       | GEOID UNDULATION | AERODROME LIGHTING                            |
|------------------|-----------|---------------------------------|----------------|------------------|-----------------------------------------------|
| 08               | 079°      | 50°24'03.85"N<br>030°26'05.34"E | PCN 46/R/C/X/T | 25.6 m           | Approach: RWY 08/26 - LIH                     |
| DISPLACED THR 08 |           | 50°24'04.18"N<br>030°26'12.91"E |                |                  | Runway: Edge - WHITE, last 600 m YELLOW - LIH |
| 26               | 259°      | 50°24'08.85"N<br>030°28'02.07"E |                |                  | Threshold: RWY 08/26 - GREEN                  |
| DISPLACED THR 26 |           | 50°24'08.75"N<br>030°27'59.65"E |                |                  | Runway Edge lighting - RED, to displaced THR. |

ELEVATIONS AND  
DIMENSIONS IN METRES  
BEARINGS ARE MAGNETIC

AIRCRAFT PARKING/DOCKING CHART - ICAO

|        |         |
|--------|---------|
| Ground | 119.000 |
| TWR    | 120.700 |

KYIV/Zhuliany



(H) - Helipad.  
INS- 50°24'15.06"N 030°26'01.16"E

STANDS:

- Aircraft stands M1, M3, M5, M7, M9, M11 - for AN-24, GLF5.
- Aircraft stands M2, M4, M8, M10 - for YAK-42, B737-800, A320.
- Aircraft stands M12 - for PRM1.
- Aircraft stands M13-M16 - for Saab-2000.
- Aircraft stands M16A, M25-M29 - for Global 6000, AN-24.
- Aircraft stands M17 - for Falcon 900.
- Aircraft stands M18-M24, M35A - for YAK-40.
- Aircraft stands M30 - for Falcon 7X.
- Aircraft stands M31-M33 - for LEAR JET 55.
- Aircraft stands M33A - for Fokker F27-600, F50.
- Aircraft stands M34A - for DeHavilland DHC5D.
- Aircraft stands M34-M37, M38, M39 - for YAK-42, B737-800, A320.
- Aircraft stands M37A, M38A, M39A - for CRG9.
- Aircraft stands M40, M41, M42, M43 - for A321.
- Aircraft stands M40A, M41A, M42A - for B737-500, AN-24.
- Aircraft stands L1-L22 - for YAK-40
- Aircraft stands L1A, L3A, L22A - for Bell-430 and helicopters 3 class.
- Aircraft stands L23, L25-L28 - for AN-24, YAK-40
- Aircraft stands L24, L29 - for L-410
- Aircraft stands Z1, Z2, Z4 - for AN-24, AN-26, AN-72, AN-74.
- Aircraft stands Z3, Z5 - for AN-24, AN-26, YAK-40
- Aircraft stands Z6-Z8, Z11-Z15 - for B737-800, A320.
- Aircraft stands Z9, Z10 - for B737-500.
- Aircraft stands F1, F2 - for MI-8
- Aircraft stands F3 - for AN-74

| APRON                                                  |  | BEARING STRENGTH |  |
|--------------------------------------------------------|--|------------------|--|
| M (STANDS M 1-M11)                                     |  | PCN 46/R/C/X/T   |  |
| M (STANDS M12-M24)                                     |  | PCN 31/R/C/X/T   |  |
| M (STANDS M25-M33, M33A, M34A, M35A)                   |  | PCN 28/R/C/X/T   |  |
| M (STANDS M34-M39)                                     |  | PCN 60/R/C/W/T   |  |
| M (STANDS M40-M43)                                     |  | PCN 64/R/C/X/T   |  |
| L                                                      |  | PCN 24/R/C/X/T   |  |
| Taxiing route on the apron M and L from TWY 1 to TWY 2 |  | PCN 46/R/C/X/T   |  |
| F                                                      |  | PCN 17/R/C/X/T   |  |
| Z (1-5)                                                |  | PCN 13/F/D/Y/T   |  |
| Z (6-15)                                               |  | PCN 28/R/C/X/U   |  |

| TWY | SURFACE | BEARING STRENGTH | WIDTH |
|-----|---------|------------------|-------|
| 1   | Asphalt | PCN 44/R/C/X/T   | 21 m  |
| 2   | Asphalt | PCN 45/R/C/X/T   | 21 m  |
| 4   | Asphalt | PCN 21/R/C/X/T   | 15 m  |
| 6   | Asphalt | PCN 6/R/C/X/T    | 12 m  |

Coordinates of the stands (Apron "M")

| №  | STAND                    | LATITUDE                       | LONGITUDE                        |
|----|--------------------------|--------------------------------|----------------------------------|
| 1  | M1                       | 50°24'34,81"N                  | 030°26'22,11"E                   |
| 2  | M2:<br>- A320<br>- B737  | 50°24'34,59"N<br>50°24'34,66"N | 030°26'22,60"E<br>030°26'22,65"E |
| 3  | M3                       | 50°24'34,35"N                  | 030°26'23,74"E                   |
| 4  | M4:<br>- A320<br>- B737  | 50°24'34,00"N<br>50°24'34,07"N | 030°26'24,69"E<br>030°26'24,74"E |
| 5  | M5                       | 50°24'33,88"N                  | 030°26'25,38"E                   |
| 6  | M7                       | 50°24'36,54"N                  | 030°26'23,33"E                   |
| 7  | M8:<br>- A320<br>- B737  | 50°24'36,42"N<br>50°24'36,36"N | 030°26'24,00"E<br>030°26'23,96"E |
| 8  | M9                       | 50°24'36,07"N                  | 030°26'24,96"E                   |
| 9  | M10:<br>- A320<br>- B737 | 50°24'35,83"N<br>50°24'35,76"N | 030°26'26,10"E<br>030°26'26,06"E |
| 10 | M11                      | 50°24'35,61"N                  | 030°26'26,59"E                   |
| 11 | M12                      | 50°24'40,03"N                  | 030°26'25,08"E                   |
| 12 | M13                      | 50°24'39,68"N                  | 030°26'26,32"E                   |
| 13 | M14                      | 50°24'39,28"N                  | 030°26'27,76"E                   |
| 14 | M15                      | 50°24'38,87"N                  | 030°26'29,19"E                   |
| 15 | M16                      | 50°24'38,18"N                  | 030°26'31,65"E                   |
| 16 | M16A                     | 50°24'38,48"N                  | 030°26'30,53"E                   |
| 17 | M17                      | 50°24'37,77"N                  | 030°26'33,10"E                   |
| 18 | M18                      | 50°24'39,99"N                  | 030°26'25,36"E                   |
| 19 | M19                      | 50°24'39,71"N                  | 030°26'27,19"E                   |
| 20 | M20                      | 50°24'39,31"N                  | 030°26'28,62"E                   |
| 21 | M21                      | 50°24'38,61"N                  | 030°26'31,13"E                   |
| 22 | M22                      | 50°24'38,21"N                  | 030°26'32,55"E                   |
| 23 | M23:<br>1<br>2           | 50°24'37,75"N<br>50°24'38,40"N | 030°26'33,95"E<br>030°26'34,42"E |
| 24 | M24:<br>1<br>2           | 50°24'37,00"N<br>50°24'37,40"N | 030°26'35,85"E<br>030°26'35,42"E |
| 25 | M25:<br>1<br>2           | 50°24'41,59"N<br>50°24'42,46"N | 030°26'28,91"E<br>030°26'29,52"E |
| 26 | M26                      | 50°24'41,96"N                  | 030°26'31,30"E                   |
| 27 | M27                      | 50°24'41,40"N                  | 030°26'33,33"E                   |
| 28 | M28                      | 50°24'40,96"N                  | 030°26'34,99"E                   |
| 29 | M29                      | 50°24'40,44"N                  | 030°26'36,75"E                   |
| 30 | M30                      | 50°24'39,79"N                  | 030°26'38,22"E                   |
| 31 | M31:<br>1<br>2           | 50°24'38,73"N<br>50°24'39,15"N | 030°26'39,03"E<br>030°26'39,35"E |
| 32 | M32:<br>1<br>2           | 50°24'38,91"N<br>50°24'38,47"N | 030°26'40,26"E<br>030°26'39,94"E |
| 33 | M33:<br>1<br>2           | 50°24'38,21"N<br>50°24'38,65"N | 030°26'40,85"E<br>030°26'41,17"E |
| 34 | M33A                     | 50°24'38,79"N                  | 030°26'43,30"E                   |
| 35 | M34A:<br>1<br>2          | 50°24'38,41"N<br>50°24'37,39"N | 030°26'44,24"E<br>030°26'44,32"E |
| 36 | M35A:<br>1<br>2          | 50°24'37,44"N<br>50°24'38,14"N | 030°26'46,06"E<br>030°26'45,89"E |
| 37 | M34                      | 50°24'40,98"N                  | 030°26'38,85"E                   |
| 38 | M35:<br>- A320<br>- B737 | 50°24'42,56"N<br>50°24'42,59"N | 030°26'45,59"E<br>030°26'45,60"E |
| 39 | M36:<br>- A320<br>- B737 | 50°24'41,68"N<br>50°24'41,71"N | 030°26'47,26"E<br>030°26'47,30"E |
| 40 | M37:<br>- A320<br>- B737 | 50°24'40,79"N<br>50°24'40,00"N | 030°26'48,95"E<br>030°26'50,36"E |
| 41 | M37A                     | 50°24'40,81"N                  | 030°26'48,98"E                   |

Coordinates of the stands (Apron "Z")

| №  | STAND              | LATITUDE                       | LONGITUDE                        |
|----|--------------------|--------------------------------|----------------------------------|
| 1  | Z1                 | 50°24'31,85"N                  | 030°27'00,26"E                   |
| 2  | Z2                 | 50°24'30,83"N                  | 030°27'02,12"E                   |
| 3  | Z3                 | 50°24'29,72"N                  | 030°27'05,31"E                   |
| 4  | Z4                 | 50°24'28,95"N                  | 030°27'06,75"E                   |
| 5  | Z5                 | 50°24'27,28"N                  | 030°27'09,45"E                   |
| 6  | Z6:<br>- A<br>- B  | 50°24'18,09"N<br>50°24'18,11"N | 030°27'16,01"E<br>030°27'16,06"E |
| 7  | Z7:<br>- A<br>- B  | 50°24'18,93"N<br>50°24'18,95"N | 030°27'14,51"E<br>030°27'14,55"E |
| 8  | Z8:<br>- A<br>- B  | 50°24'19,79"N<br>50°24'19,82"N | 030°27'12,97"E<br>030°27'13,00"E |
| 9  | Z9                 | 50°24'20,58"N                  | 030°27'11,63"E                   |
| 10 | Z10                | 50°24'21,33"N                  | 030°27'10,30"E                   |
| 11 | Z11:<br>- A<br>- B | 50°24'22,28"N<br>50°24'22,31"N | 030°27'08,51"E<br>030°27'08,55"E |
| 12 | Z12:<br>- A<br>- B | 50°24'23,27"N<br>50°24'23,30"N | 030°27'06,75"E<br>030°27'06,79"E |
| 13 | Z13:<br>- A<br>- B | 50°24'24,21"N<br>50°24'24,24"N | 030°27'05,07"E<br>030°27'05,11"E |
| 14 | Z14:<br>- A<br>- B | 50°24'25,50"N<br>50°24'25,52"N | 030°27'02,78"E<br>030°27'02,82"E |
| 15 | Z15:<br>- A<br>- B | 50°24'26,40"N<br>50°24'26,42"N | 030°27'01,17"E<br>030°27'01,20"E |

Coordinates of the stands (Apron "L")

| №  | STAND | LATITUDE      | LONGITUDE      |
|----|-------|---------------|----------------|
| 1  | L1    | 50°24'33,97"N | 030°26'30,46"E |
| 2  | L1A   | 50°24'33,90"N | 030°26'29,98"E |
| 3  | L2    | 50°24'33,57"N | 030°26'30,17"E |
| 4  | L3    | 50°24'32,11"N | 030°26'29,16"E |
| 5  | L3A   | 50°24'32,03"N | 030°26'28,67"E |
| 6  | L4    | 50°24'31,74"N | 030°26'28,88"E |
| 7  | L5    | 50°24'30,26"N | 030°26'27,85"E |
| 8  | L6    | 50°24'29,88"N | 030°26'27,57"E |
| 9  | L7    | 50°24'28,40"N | 030°26'26,53"E |
| 10 | L8    | 50°24'28,03"N | 030°26'26,26"E |
| 11 | L9    | 50°24'26,55"N | 030°26'25,22"E |
| 12 | L10   | 50°24'26,15"N | 030°26'24,93"E |
| 13 | L11   | 50°24'24,71"N | 030°26'23,91"E |
| 14 | L12   | 50°24'24,30"N | 030°26'23,66"E |
| 15 | L13   | 50°24'22,84"N | 030°26'22,59"E |
| 16 | L14   | 50°24'22,43"N | 030°26'22,31"E |
| 17 | L15   | 50°24'20,99"N | 030°26'21,28"E |
| 18 | L16   | 50°24'20,58"N | 030°26'21,01"E |
| 19 | L17   | 50°24'19,13"N | 030°26'19,95"E |
| 20 | L18   | 50°24'18,71"N | 030°26'19,70"E |
| 21 | L19   | 50°24'17,26"N | 030°26'18,65"E |
| 22 | L20   | 50°24'16,85"N | 030°26'18,37"E |
| 23 | L21   | 50°24'15,41"N | 030°26'17,35"E |
| 24 | L22   | 50°24'14,98"N | 030°26'17,04"E |
| 25 | L22A  | 50°24'14,83"N | 030°26'16,46"E |
| 26 | L23   | 50°24'18,40"N | 030°26'15,61"E |
| 27 | L24   | 50°24'19,28"N | 030°26'16,25"E |
| 28 | L25   | 50°24'22,22"N | 030°26'18,31"E |
| 29 | L26   | 50°24'23,24"N | 030°26'19,04"E |
| 30 | L27   | 50°24'24,30"N | 030°26'19,77"E |
| 31 | L28   | 50°24'25,34"N | 030°26'20,52"E |
| 32 | L29   | 50°24'26,20"N | 030°26'21,13"E |

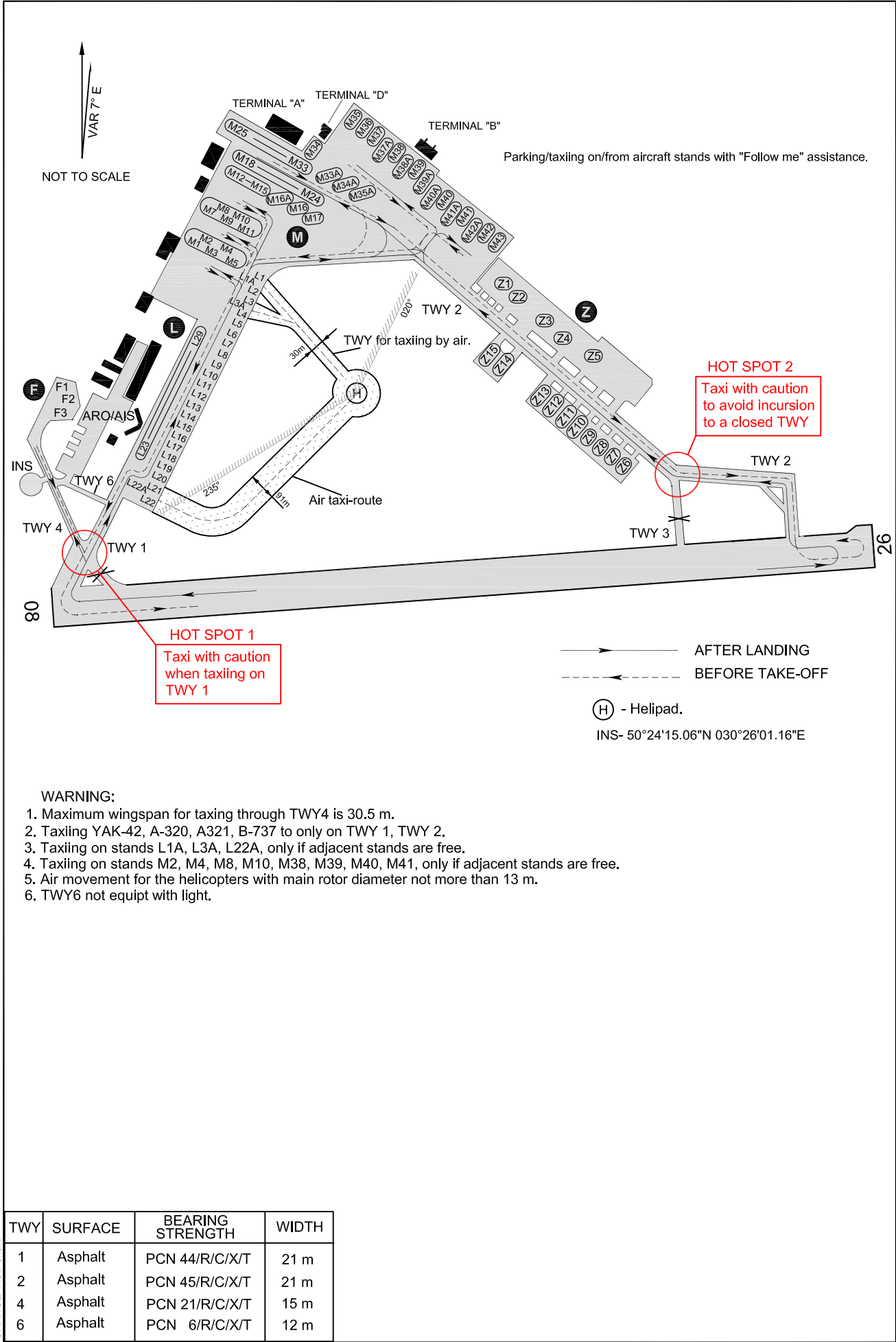
Coordinates of the stands (Apron "F")

| № | STAND | LATITUDE      | LONGITUDE      |
|---|-------|---------------|----------------|
| 1 | F1    | 50°24'24,19"N | 030°26'05,38"E |
| 2 | F2    | 50°24'23,28"N | 030°26'05,60"E |
| 3 | F3    | 50°24'22,55"N | 030°26'04,85"E |

AERODROME GROUND MOVEMENT CHART – ICAO

Ground 119.000  
TWR 120.700

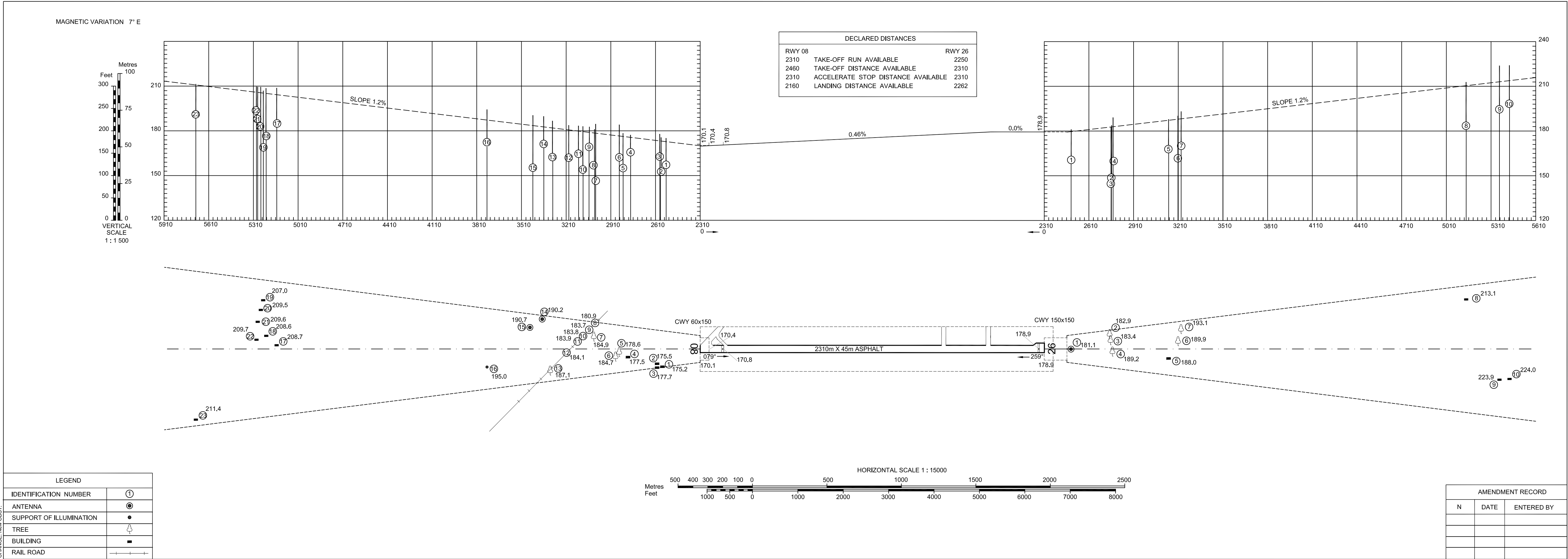
KYIV/Zhuliany



AERODROME OBSTACLE CHART - ICAO  
TYPE A (OPERATING LIMITATIONS)

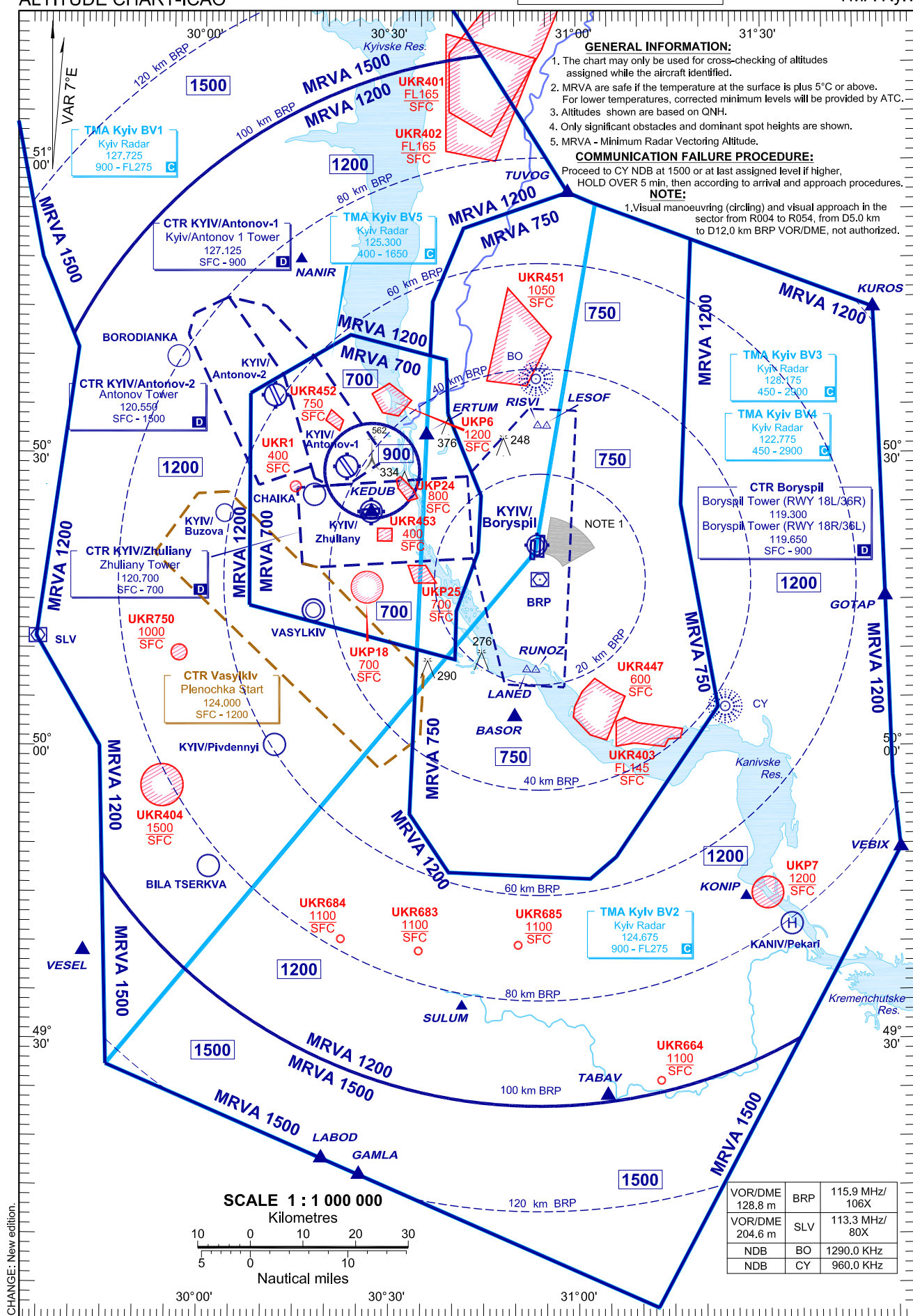
KYIV/Zhuliany

DIMENSIONS AND ELEVATIONS IN METRES



ATC SURVEILLANCE MINIMUM  
ALTITUDE CHART-ICAOTRANSITION LEVEL: by ATC  
TRANSITION ALT: 3050

TMA Kyiv



CHANGE: New edition.

| № | Minimum radar vectoring altitude | Coordinates                                                                                 |          |
|---|----------------------------------|---------------------------------------------------------------------------------------------|----------|
| 1 | 1500                             | 512413N                                                                                     | 0292254E |
|   |                                  | Then along the State border to the point:                                                   |          |
|   |                                  | 511911N                                                                                     | 0303620E |
|   |                                  | 511043N                                                                                     | 0304449E |
|   |                                  | Then along counterclockwise arc radius 100 km centered at point 501709N 0305403E, to point: |          |
|   |                                  | 504206N                                                                                     | 0293909E |
|   |                                  | 505000N                                                                                     | 0293400E |
|   |                                  | 512413N                                                                                     | 0292254E |

| № | Minimum radar vectoring altitude | Coordinates                                                                                 |          |
|---|----------------------------------|---------------------------------------------------------------------------------------------|----------|
| 2 | 1500                             | 492724N                                                                                     | 0294530E |
|   |                                  | 494700N                                                                                     | 0294436E |
|   |                                  | Then along counterclockwise arc radius 100 km centered at point 501709N 0305403E, to point: |          |
|   |                                  | 493009N                                                                                     | 0313505E |
|   |                                  | 490227N                                                                                     | 0311234E |
|   |                                  | 492724N                                                                                     | 0294530E |
|   |                                  |                                                                                             |          |

| № | Minimum radar vectoring altitude | Coordinates                                                                          |          |
|---|----------------------------------|--------------------------------------------------------------------------------------|----------|
| 3 | 1200                             | 501111N                                                                              | 0293345E |
|   |                                  | 504048N                                                                              | 0294000E |
|   |                                  | 504206N                                                                              | 0293909E |
|   |                                  | Then along clockwise arc radius 100 km centered at point 501709N 0305403E, to point: |          |
|   |                                  | 511043N                                                                              | 0304449E |
|   |                                  | 505647N                                                                              | 0305840E |
|   |                                  | 505307N                                                                              | 0304150E |
|   |                                  | 504536N                                                                              | 0303653E |
|   |                                  | 504006N                                                                              | 0303630E |
|   |                                  | 504212N                                                                              | 0302342E |
|   |                                  | 503611N                                                                              | 0300739E |
|   |                                  | 501430N                                                                              | 0300741E |
|   |                                  | 501000N                                                                              | 0303426E |
|   |                                  | 495307N                                                                              | 0303317E |
|   |                                  | 494708N                                                                              | 0303929E |
|   |                                  | 494628N                                                                              | 0310157E |
|   |                                  | 494844N                                                                              | 0310605E |
|   |                                  | 500406N                                                                              | 0312222E |
|   |                                  | 502448N                                                                              | 0311638E |
|   |                                  | 505156N                                                                              | 0311830E |
|   |                                  | 504454N                                                                              | 0314748E |
|   |                                  | 503855N                                                                              | 0314810E |
|   |                                  | 495700N                                                                              | 0315000E |
|   |                                  | 494934N                                                                              | 0315109E |
|   |                                  | 493009N                                                                              | 0313505E |
|   |                                  | Then along clockwise arc radius 100 km centered at point 501709N 0305403E, to point: |          |
|   |                                  | 494700N                                                                              | 0294436E |
|   |                                  | 500000N                                                                              | 0294400E |
|   |                                  | 501111N                                                                              | 0293345E |

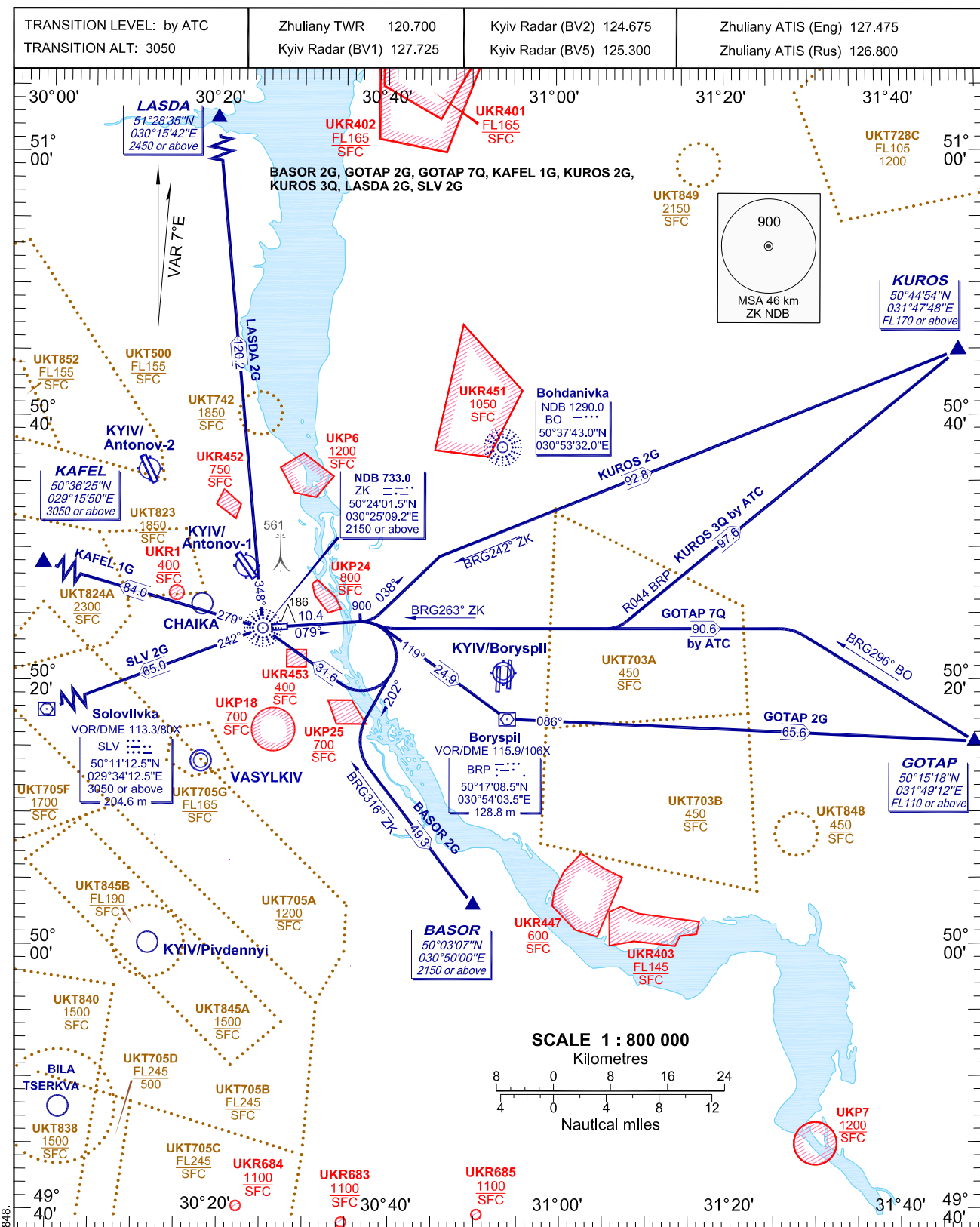
| № | Minimum radar vectoring altitude | Coordinates                                            |
|---|----------------------------------|--------------------------------------------------------|
| 4 | 900                              | Circle radius 9 km centered at point 502816N 0302712E. |

| № | Minimum radar vectoring altitude | Coordinates                                                      |          |
|---|----------------------------------|------------------------------------------------------------------|----------|
| 5 | 700                              | 504212N                                                          | 0302342E |
|   |                                  | 504006N                                                          | 0303630E |
|   |                                  | 503940N                                                          | 0303904E |
|   |                                  | 503405N                                                          | 0303922E |
|   |                                  | 502544N                                                          | 0304440E |
|   |                                  | 501959N                                                          | 0304411E |
|   |                                  | 501356N                                                          | 0304042E |
|   |                                  | 500858N                                                          | 0304030E |
|   |                                  | 501000N                                                          | 0303426E |
|   |                                  | 501430N                                                          | 0300741E |
|   |                                  | 503611N                                                          | 0300739E |
|   |                                  | 504212N                                                          | 0302342E |
|   |                                  | Excluding circle radius 9 km centered at point 502816N 0302712E. |          |
|   |                                  |                                                                  |          |

| № | Minimum radar vectoring altitude | Coordinates |          |
|---|----------------------------------|-------------|----------|
| 6 | 750                              | 504536N     | 0303653E |
|   |                                  | 505307N     | 0304150E |
|   |                                  | 505647N     | 0305840E |
|   |                                  | 505535N     | 0310307E |
|   |                                  | 505156N     | 0311830E |
|   |                                  | 505156N     | 0311830E |
|   |                                  | 502448N     | 0311638E |
|   |                                  | 500406N     | 0312222E |
|   |                                  | 494844N     | 0310605E |
|   |                                  | 494628N     | 0310157E |
|   |                                  | 494708N     | 0303929E |
|   |                                  | 495307N     | 0303317E |
|   |                                  | 495307N     | 0303317E |
|   |                                  | 501000N     | 0303426E |
|   |                                  | 500858N     | 0304030E |
|   |                                  | 501356N     | 0304042E |
|   |                                  | 501959N     | 0304411E |
|   |                                  | 502544N     | 0304440E |
|   |                                  | 503405N     | 0303922E |
|   |                                  | 503940N     | 0303904E |
|   |                                  | 504006N     | 0303630E |
|   |                                  | 504536N     | 0303653E |



KYIV/Zhuliany  
RWY 08



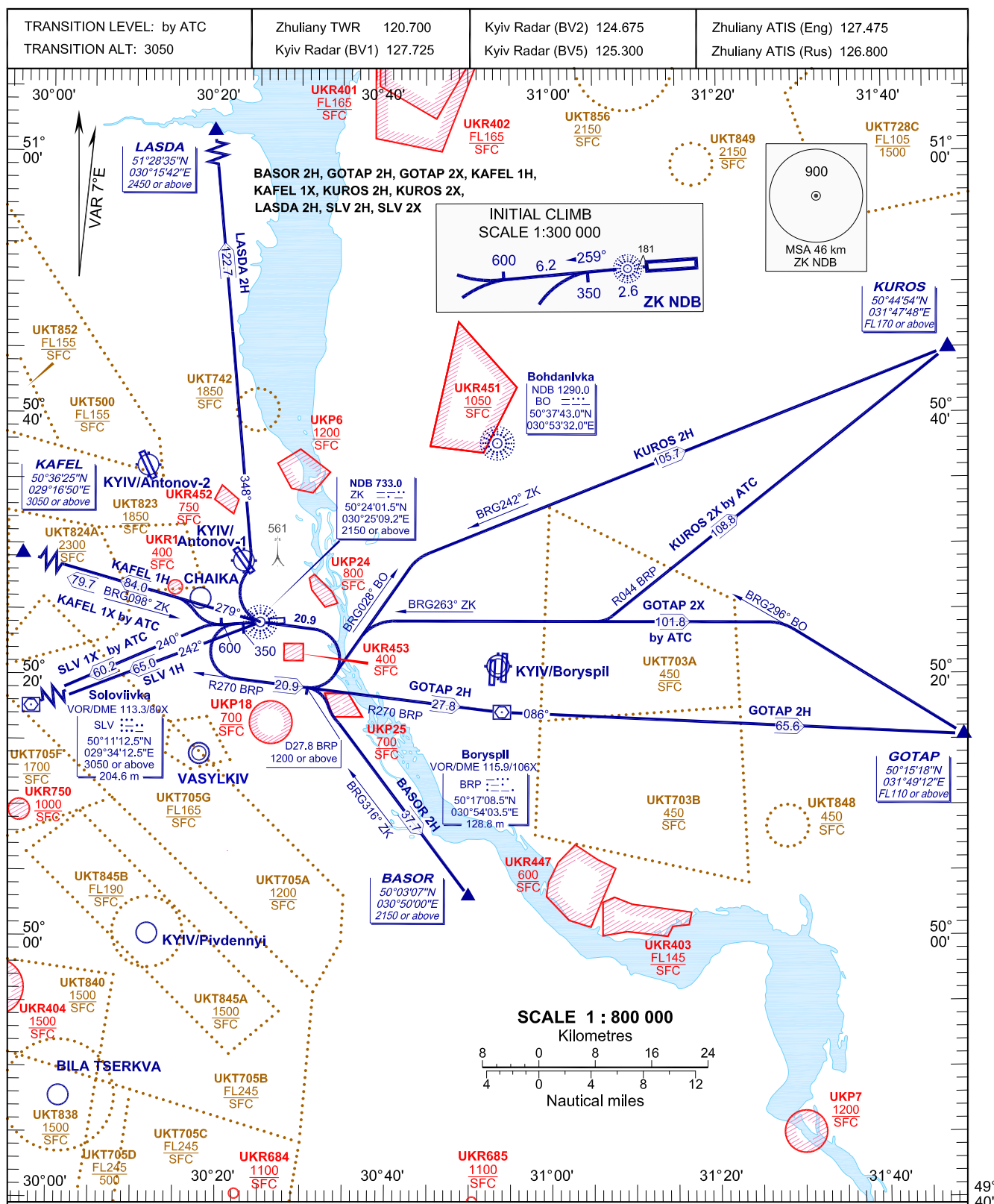
1. Close-in obstacle straight ahead on the left side (tree), 186 m AMSL at distance 161 m from threshold RWY 26.
2. Statistical data of ACFT performance are used for determination of the average flight path of the SID procedures.
3. If unable to comply SID procedures advise ATC.
4. After departure immediately contact Kyn Radar (BV5) on 125.300.

BEARINGS AND TRACKS ARE MAGNETIC,  
ALTITUDES, HEIGHTS AND ELEVATIONS ARE IN METRES,  
DISTANCES ARE IN KILOMETRES



SID RWY 08

| Designator                        | Route                                                                                                                                | Altitude                                                             | Remarks                                      |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|----------------------------------------------|
| BASOR 2G<br>BASOR TWO GOLF        | On track 079° climb to 900,<br>turn RIGHT on track 202°,<br>then turn LEFT to intercept<br>BRG316° ZK NDB to BASOR                   | Cross BASOR<br>at 2150 or above                                      | Minimum climb<br>gradient 5% up<br>to 1500 m |
| GOTAP 2G<br>GOTAP TWO GOLF        | On track 079° climb to 900,<br>turn RIGHT on track 119° to BRP VOR/DME,<br>then turn LEFT on track 086°<br>from BRP VOR/DME to GOTAP | Cross GOTAP<br>at FL110 or above                                     | nil                                          |
| GOTAP 7Q<br>GOTAP SEVEN<br>QUEBEC | On track 079° climb to 900,<br>turn RIGHT to intercept BRG263° ZK NDB,<br>then turn RIGHT to intercept<br>BRG296° BO NDB to GOTAP    | Cross GOTAP<br>at FL110 or above                                     | By ATC                                       |
| KAFEL 1G<br>KAFEL ONE GOLF        | On track 079° climb to 900,<br>turn RIGHT to ZK NDB,<br>then turn LEFT on track 279°<br>from ZK NDB to KAFEL                         | Cross ZK NDB at<br>2150 or above,<br>KAFEL at 3050 or above          | nil                                          |
| KUROS 2G<br>KUROS TWO GOLF        | On track 079° climb to 900,<br>turn LEFT on track 038°,<br>then turn RIGHT to intercept<br>BRG242° ZK NDB to KUROS                   | Cross KUROS<br>at FL170 or above                                     | nil                                          |
| KUROS 3Q<br>KUROS THREE<br>QUEBEC | On track 079° climb to 900,<br>turn RIGHT to intercept BRG263° ZK NDB,<br>then turn LEFT to intercept<br>R044 BRP VOR to KUROS       | Cross KUROS<br>at FL170 or above                                     | By ATC                                       |
| LASDA 2G<br>LASDA TWO GOLF        | On track 079° climb to 900,<br>turn RIGHT to ZK NDB,<br>then turn RIGHT on track 348°<br>from ZK NDB to LASDA                        | Cross ZK NDB at<br>2150 or above,<br>LASDA at 2450 or above          | nil                                          |
| SLV 2G<br>Soloviivka TWO GOLF     | On track 079° climb to 900,<br>turn RIGHT to ZK NDB,<br>then turn LEFT on track 242°<br>from ZK NDB to SLV VOR/DME                   | Cross ZK NDB at<br>2150 or above,<br>SLV VOR/DME<br>at 3050 or above | nil                                          |

STANDARD DEPARTURE CHART  
INSTRUMENT (SID)-ICAOKYIV/Zhuliany  
RWY 26

## NOTE:

1. Statistical data of ACFT performance are used for determination of the average flight path of the SID procedures.
2. First turn at 350 m before ZK NDB not authorized.
3. Initial climb and first turn at 350 m calculated with climb gradient 7% and MAJX IAS 360 km/h (195 kt) due to UKT705A.
4. If unable to comply SID procedures advise ATC.
5. After departure immediately contact Kyiv Radar (BV5) on 125.300.

BEARINGS AND TRACKS ARE MAGNETIC  
ALTITUDES, HEIGHTS AND ELEVATIONS ARE IN METRES  
DISTANCES ARE IN KILOMETRES

CHANGE: New UKT848.

SID RWY 26

| Designator                     | Route                                                                                                                                                                                                                                   | Altitude                                                                                             | Remarks                                                                                                                                                                |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BASOR 2H<br>BASOR TWO<br>HOTEL | On track 259° climb to 350,<br>turn LEFT to intercept R270 BRP VOR<br>to D27,8 BRP DME, then turn RIGHT<br>to intercept BRG316° ZK NDB to BASOR                                                                                         | Cross D27,8 BRP DME<br>at 1200 or above,<br>BASOR at<br>2150 or above                                | First turn before ZK<br>NDB not authorized.<br>Initial climb and first turn<br>calculated with PDG 7%<br>and MAX IAS 360 km/h<br>(195 kt) due to<br>UKT705A            |
| GOTAP 2H<br>GOTAP TWO HOTEL    | On track 259° climb to 350,<br>turn LEFT to intercept R270 BRP VOR<br>to BRP VOR/DME, then turn LEFT<br>on track 086° from BRP VOR/DME to GOTAP                                                                                         | Cross D27,8 BRP DME<br>at 1200 or above,<br>GOTAP at FL110 or above                                  | First turn before ZK<br>NDB not authorized.<br>Initial climb and first turn<br>calculated with PDG 7%<br>and MAX IAS 360 km/h<br>(195 kt) due to<br>UKT705A            |
| GOTAP 2X<br>GOTAP TWO X-RAY    | On track 259° climb to 350,<br>turn LEFT to intercept R270 BRP VOR<br>to D27,8 BRP DME,<br>turn LEFT to intercept BRG028° BO NDB,<br>turn RIGHT to intercept BRG263° ZK NDB,<br>then turn RIGHT to intercept BRG296° BO NDB<br>to GOTAP | Cross D27,8 BRP DME<br>at 1200 or above,<br>GOTAP at FL110 or above                                  | By ATC.<br>First turn before ZK<br>NDB not authorized.<br>Initial climb and first turn<br>calculated with PDG 7%<br>and MAX IAS 360 km/h<br>(195 kt) due to<br>UKT705A |
| KAFEL 1H<br>KAFEL ONE HOTEL    | On track 259° climb to 350,<br>turn LEFT to intercept R270 BRP VOR<br>to D27,8 BRP DME, turn LEFT to ZK NDB,<br>then on track 279° from ZK NDB to KAFEL                                                                                 | Cross D27,8 BRP DME<br>at 1200 or above,<br>ZK NDB at 2150 or above,<br>KAFEL at 3050 or above       | First turn before ZK<br>NDB not authorized.<br>Initial climb and first turn<br>calculated with PDG 7%<br>and MAX IAS 360 km/h<br>(195 kt) due to<br>UKT705A            |
| KAFEL 1X<br>KAFEL ONE X-RAY    | On track 259° climb to 600,<br>then turn RIGHT to intercept<br>BRG098° ZK NDB to KAFEL                                                                                                                                                  | Cross KAFEL<br>at 3050 or above                                                                      | By ATC.                                                                                                                                                                |
| KUROS 2H<br>KUROS TWO HOTEL    | On track 259° climb to 350,<br>turn LEFT to intercept R270 BRP VOR<br>to D27,8 BRP DME,<br>turn LEFT to intercept BRG028° BO NDB,<br>then turn RIGHT to intercept BRG242° ZK NDB<br>to KUROS                                            | Cross D27,8 BRP DME<br>at 1200 or above,<br>KUROS at FL170 or above                                  | First turn before ZK<br>NDB not authorized.<br>Initial climb and first turn<br>calculated with PDG 7%<br>and MAX IAS 360 km/h<br>(195 kt) due to<br>UKT705A            |
| KUROS 2X<br>KUROS TWO X-RAY    | On track 259° climb to 350,<br>turn LEFT to intercept R270 BRP VOR<br>to D27,8 BRP DME,<br>turn LEFT to intercept BRG028° BO NDB,<br>turn RIGHT to intercept BRG263° ZK NDB,<br>then turn LEFT to intercept R044 BRP VOR<br>to KUROS    | Cross D27,8 BRP DME<br>at 1200 or above,<br>KUROS at FL170 or above                                  | By ATC.<br>First turn before ZK<br>NDB not authorized.<br>Initial climb and first turn<br>calculated with PDG 7%<br>and MAX IAS 360 km/h<br>(195 kt) due to<br>UKT705A |
| LASDA 2H<br>LASDA TWO HOTEL    | On track 259° climb to 350,<br>turn LEFT to intercept R270 BRP VOR<br>to D27,8 BRP DME, turn LEFT to ZK NDB,<br>then turn RIGHT on track 348°<br>from ZK NDB to LASDA                                                                   | Cross D27,8 BRP DME<br>at 1200 or above,<br>ZK NDB at 2150 or above,<br>LASDA at 2450 or above       | First turn before ZK<br>NDB not authorized.<br>Initial climb and first turn<br>calculated with PDG 7%<br>and MAX IAS 360 km/h<br>(195 kt) due to<br>UKT705A            |
| SLV 2H<br>Soloviivka TWO HOTEL | On track 259° climb to 350,<br>turn LEFT to intercept R270 BRP VOR<br>to D27,8 BRP DME, turn LEFT to ZK NDB,<br>then turn LEFT on track 242°<br>from ZK NDB to SLV VOR/DME                                                              | Cross D27,8 BRP DME<br>at 1200 or above,<br>ZK NDB at 2150 or above,<br>SLV VOR/DME at 3050 or above | First turn before ZK<br>NDB not authorized.<br>Initial climb and first turn<br>calculated with PDG 7%<br>and MAX IAS 360 km/h<br>(195 kt) due to<br>UKT705A            |
| SLV 2X<br>Soloviivka TWO X-RAY | On track 259° climb to 600,<br>then turn LEFT on track 240°<br>to SLV VOR/DME                                                                                                                                                           | Cross SLV VOR/DME<br>at 3050 or above                                                                | By ATC.                                                                                                                                                                |

KYIV/Zhuliany  
RNAV(GNSS, DME/DME)RWY 08

[illegible]

1. Close-in obstacle straight ahead on the left side (tree), 186 m AMSL at distance 161 m from threshold RWY26.
2. Minimum climb gradient 7% up to 900 m.
3. If unable to comply departure procedures advise ATC.
4. After departure immediately contact Kyiv Radar (BV5) on 125.300.

CHANGE: New UKT848.

**INSTRUMENT DEPARTURE****RNAV RWY 08****BASOR 1K (BASOR ONE KILO)**

| <i>Path description</i> | <i>Fix identifier (Waypoint name)</i> | <i>Flyover</i> | <i>Course ° M (° T)</i> | <i>Distance km</i> | <i>Turn direction</i> | <i>Altitude, m AMSL / Flight Level</i> | <i>Speed limit km/h (kt)</i> | <i>Navigation Specification</i> |
|-------------------------|---------------------------------------|----------------|-------------------------|--------------------|-----------------------|----------------------------------------|------------------------------|---------------------------------|
| CA                      | -                                     | -              | 079 (086,1)             | -                  | -                     | +750                                   | -                            | RNAV-1 (P-RNAV)                 |
| DF                      | KK305                                 | Y              | -                       | -                  | -                     | +900                                   | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | BASOR                                 | N              | 153 (160,3)             | 42.2               | -                     | +2150                                  | -                            | RNAV-1 (P-RNAV)                 |

**GOTAP 2K (GOTAP TWO KILO)**

| <i>Path description</i> | <i>Fix identifier (Waypoint name)</i> | <i>Flyover</i> | <i>Course ° M (° T)</i> | <i>Distance km</i> | <i>Turn direction</i> | <i>Altitude, m AMSL / Flight Level</i> | <i>Speed limit km/h (kt)</i> | <i>Navigation Specification</i> |
|-------------------------|---------------------------------------|----------------|-------------------------|--------------------|-----------------------|----------------------------------------|------------------------------|---------------------------------|
| CA                      | -                                     | -              | 079 (086,1)             | -                  | -                     | +750                                   | -                            | RNAV-1 (P-RNAV)                 |
| DF                      | KK305                                 | Y              | -                       | -                  | -                     | +900                                   | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | KKE01                                 | N              | 093 (099,6)             | 19.9               | -                     | +1500                                  | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | INVAD                                 | N              | 086 (093,0)             | 25.6               | -                     | +2750                                  | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | GOTAP                                 | N              | 100 (107,4)             | 41.1               | -                     | +FL110                                 | -                            | RNAV-1 (P-RNAV)                 |

**KAFEL 1K (KAFEL ONE KILO)**

| <i>Path description</i> | <i>Fix identifier (Waypoint name)</i> | <i>Flyover</i> | <i>Course ° M (° T)</i> | <i>Distance km</i> | <i>Turn direction</i> | <i>Altitude, m AMSL / Flight Level</i> | <i>Speed limit km/h (kt)</i> | <i>Navigation Specification</i> |
|-------------------------|---------------------------------------|----------------|-------------------------|--------------------|-----------------------|----------------------------------------|------------------------------|---------------------------------|
| CA                      | -                                     | -              | 079 (086,1)             | -                  | -                     | +750                                   | -                            | RNAV-1 (P-RNAV)                 |
| DF                      | KKS01                                 | Y              | -                       | -                  | R                     | +1500                                  | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | KK315                                 | N              | 284 (291,3)             | 19.9               | -                     | -                                      | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | KAFEL                                 | N              | 284 (291,3)             | 74.1               | -                     | +3050                                  | -                            | RNAV-1 (P-RNAV)                 |

**KUROS 3K (KUROS TREE KILO)**

| <i>Path description</i> | <i>Fix identifier (Waypoint name)</i> | <i>Flyover</i> | <i>Course ° M (° T)</i> | <i>Distance km</i> | <i>Turn direction</i> | <i>Altitude, m AMSL / Flight Level</i> | <i>Speed limit km/h (kt)</i> | <i>Navigation Specification</i> |
|-------------------------|---------------------------------------|----------------|-------------------------|--------------------|-----------------------|----------------------------------------|------------------------------|---------------------------------|
| CA                      | -                                     | -              | 079 (086,1)             | -                  | -                     | +750                                   | -                            | RNAV-1 (P-RNAV)                 |
| DF                      | KK305                                 | Y              | -                       | -                  | -                     | +900                                   | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | KKE01                                 | N              | 093 (099,6)             | 19.9               | -                     | +1500                                  | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | INVAD                                 | N              | 086 (093,0)             | 25.6               | -                     | +2750                                  | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | KUROS                                 | N              | 034 (041,1)             | 56.5               | -                     | +FL170                                 | -                            | RNAV-1 (P-RNAV)                 |

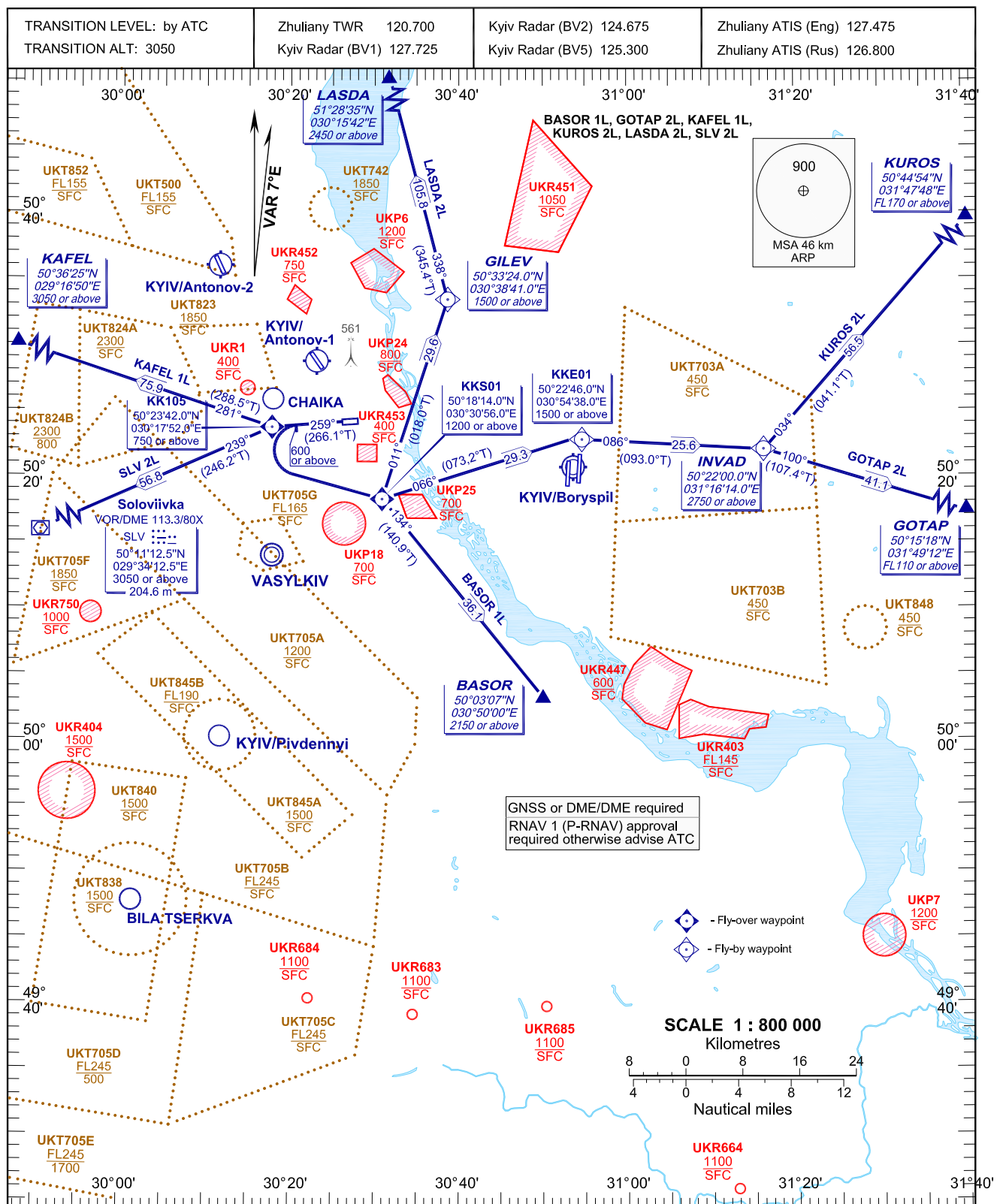
**LASDA 2K (LASDA TWO KILO)**

| <i>Path description</i> | <i>Fix identifier (Waypoint name)</i> | <i>Flyover</i> | <i>Course ° M (° T)</i> | <i>Distance km</i> | <i>Turn direction</i> | <i>Altitude, m AMSL / Flight Level</i> | <i>Speed limit km/h (kt)</i> | <i>Navigation Specification</i> |
|-------------------------|---------------------------------------|----------------|-------------------------|--------------------|-----------------------|----------------------------------------|------------------------------|---------------------------------|
| CA                      | -                                     | -              | 079 (086,1)             | -                  | -                     | +750                                   | -                            | RNAV-1 (P-RNAV)                 |
| DF                      | KK305                                 | Y              | -                       | -                  | -                     | +900                                   | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | GILEV                                 | N              | 355 (002,5)             | 16.4               | -                     | +1500                                  | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | LASDA                                 | N              | 338 (345,4)             | 105.8              | -                     | +2450                                  | -                            | RNAV-1 (P-RNAV)                 |

**SLV 2K (Soloviivka TWO KILO)**

| <i>Path description</i> | <i>Fix identifier (Waypoint name)</i> | <i>Flyover</i> | <i>Course ° M (° T)</i> | <i>Distance km</i> | <i>Turn direction</i> | <i>Altitude, m AMSL / Flight Level</i> | <i>Speed limit km/h (kt)</i> | <i>Navigation Specification</i> |
|-------------------------|---------------------------------------|----------------|-------------------------|--------------------|-----------------------|----------------------------------------|------------------------------|---------------------------------|
| CA                      | -                                     | -              | 079 (086,1)             | -                  | -                     | +750                                   | -                            | RNAV-1 (P-RNAV)                 |
| DF                      | KKS01                                 | Y              | -                       | -                  | R                     | +1500                                  | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | KK315                                 | N              | 284 (291,3)             | 19.9               | -                     | -                                      | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | SLV                                   | N              | 241 (247,8)             | 52.9               | -                     | +3050                                  | -                            | RNAV-1 (P-RNAV)                 |

| WAYPOINTS     |             |            |
|---------------|-------------|------------|
| Waypoint name | Coordinates |            |
| BASOR         | 500307N     | 0305000E   |
| GOTAP         | 501518N     | 0314912E   |
| KAFEL         | 503625N     | 0291650E   |
| KUROS         | 504454N     | 0314748E   |
| LASDA         | 512835N     | 0301542E   |
| SLV           | 501112,5N   | 0293412,5E |
| GILEV         | 503324,0N   | 0303841,0E |
| INVAD         | 502200,0N   | 0311614,0E |
| KK305         | 502435,0N   | 0303805,0E |
| KK315         | 502207,0N   | 0301519,0E |
| KKE01         | 502246,0N   | 0305438,0E |
| KKS01         | 501814,0N   | 0303056,0E |

STANDARD DEPARTURE CHART  
INSTRUMENT (SID)-ICAOKYIV/Zhuliany  
RNAV (GNSS, DME/DME) RWY 26

## NOTE:

1. Minimum climb gradient 7% up to 750 m.
2. If unable to comply departure procedures advise ATC.
3. After departure immediately contact Kyiv Radar (BV5) on 125.300.

BEARINGS AND TRACKS ARE MAGNETIC,  
ALTITUDES, HEIGHTS AND ELEVATIONS ARE IN METRES,  
DISTANCES ARE IN KILOMETRES

CHANGE: New UKT848.

**INSTRUMENT DEPARTURE****RNAV RWY 26****BASOR 1L (BASOR ONE LIMA)**

| <i>Path description</i> | <i>Fix identifier (Waypoint name)</i> | <i>Flyover</i> | <i>Course ° M (° T)</i> | <i>Distance km</i> | <i>Turn direction</i> | <i>Altitude, m AMSL / Flight Level</i> | <i>Speed limit km/h (kt)</i> | <i>Navigation Specification</i> |
|-------------------------|---------------------------------------|----------------|-------------------------|--------------------|-----------------------|----------------------------------------|------------------------------|---------------------------------|
| CA                      | -                                     | -              | 259 (266,1)             | -                  | -                     | +600                                   | -                            | RNAV-1 (P-RNAV)                 |
| DF                      | KKS01                                 | Y              | -                       | -                  | L                     | +1200                                  | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | BASOR                                 | N              | 134 (140,9)             | 36,1               | -                     | +2150                                  | -                            | RNAV-1 (P-RNAV)                 |

**GOTAP 2L (GOTAP TWO LIMA)**

| <i>Path description</i> | <i>Fix identifier (Waypoint name)</i> | <i>Flyover</i> | <i>Course ° M (° T)</i> | <i>Distance km</i> | <i>Turn direction</i> | <i>Altitude, m AMSL / Flight Level</i> | <i>Speed limit km/h (kt)</i> | <i>Navigation Specification</i> |
|-------------------------|---------------------------------------|----------------|-------------------------|--------------------|-----------------------|----------------------------------------|------------------------------|---------------------------------|
| CA                      | -                                     | -              | 259 (266,1)             | -                  | -                     | +600                                   | -                            | RNAV-1 (P-RNAV)                 |
| DF                      | KKS01                                 | Y              | -                       | -                  | L                     | +1200                                  | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | KKE01                                 | N              | 066 (073,2)             | 29,3               | -                     | +1500                                  | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | INVAD                                 | N              | 086 (093,0)             | 25,6               | -                     | +2750                                  | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | GOTAP                                 | N              | 100 (107,4)             | 41,1               | -                     | +FL110                                 | -                            | RNAV-1 (P-RNAV)                 |

**KAFEL 1L (KAFEL ONE LIMA)**

| <i>Path description</i> | <i>Fix identifier (Waypoint name)</i> | <i>Flyover</i> | <i>Course ° M (° T)</i> | <i>Distance km</i> | <i>Turn direction</i> | <i>Altitude, m AMSL / Flight Level</i> | <i>Speed limit km/h (kt)</i> | <i>Navigation Specification</i> |
|-------------------------|---------------------------------------|----------------|-------------------------|--------------------|-----------------------|----------------------------------------|------------------------------|---------------------------------|
| CA                      | -                                     | -              | 259 (266,1)             | -                  | -                     | +600                                   | -                            | RNAV-1 (P-RNAV)                 |
| DF                      | KK105                                 | Y              | -                       | -                  | -                     | +750                                   | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | KAFEL                                 | N              | 281 (288,5)             | 75,9               | -                     | +3050                                  | -                            | RNAV-1 (P-RNAV)                 |

**KUROS 2L (KUROS TWO LIMA)**

| <i>Path description</i> | <i>Fix identifier (Waypoint name)</i> | <i>Flyover</i> | <i>Course ° M (° T)</i> | <i>Distance km</i> | <i>Turn direction</i> | <i>Altitude, m AMSL / Flight Level</i> | <i>Speed limit km/h (kt)</i> | <i>Navigation Specification</i> |
|-------------------------|---------------------------------------|----------------|-------------------------|--------------------|-----------------------|----------------------------------------|------------------------------|---------------------------------|
| CA                      | -                                     | -              | 259 (266,1)             | -                  | -                     | +600                                   | -                            | RNAV-1 (P-RNAV)                 |
| DF                      | KKS01                                 | Y              | -                       | -                  | L                     | +1200                                  | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | KKE01                                 | N              | 066 (073,2)             | 29,3               | -                     | +1500                                  | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | INVAD                                 | N              | 086 (093,0)             | 25,6               | -                     | +2750                                  | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | KUROS                                 | N              | 034 (041,1)             | 56,5               | -                     | +FL170                                 | -                            | RNAV-1 (P-RNAV)                 |

**LASDA 2L (LASDA TWO LIMA)**

| <i>Path description</i> | <i>Fix identifier (Waypoint name)</i> | <i>Flyover</i> | <i>Course ° M (° T)</i> | <i>Distance km</i> | <i>Turn direction</i> | <i>Altitude, m AMSL / Flight Level</i> | <i>Speed limit km/h (kt)</i> | <i>Navigation Specification</i> |
|-------------------------|---------------------------------------|----------------|-------------------------|--------------------|-----------------------|----------------------------------------|------------------------------|---------------------------------|
| CA                      | -                                     | -              | 259 (266,1)             | -                  | -                     | +600                                   | -                            | RNAV-1 (P-RNAV)                 |
| DF                      | KKS01                                 | Y              | -                       | -                  | L                     | +1200                                  | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | GILEV                                 | N              | 011 (018,0)             | 29,6               | -                     | +1500                                  | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | LASDA                                 | N              | 338 (345,4)             | 105,8              | -                     | +2450                                  | -                            | RNAV-1 (P-RNAV)                 |

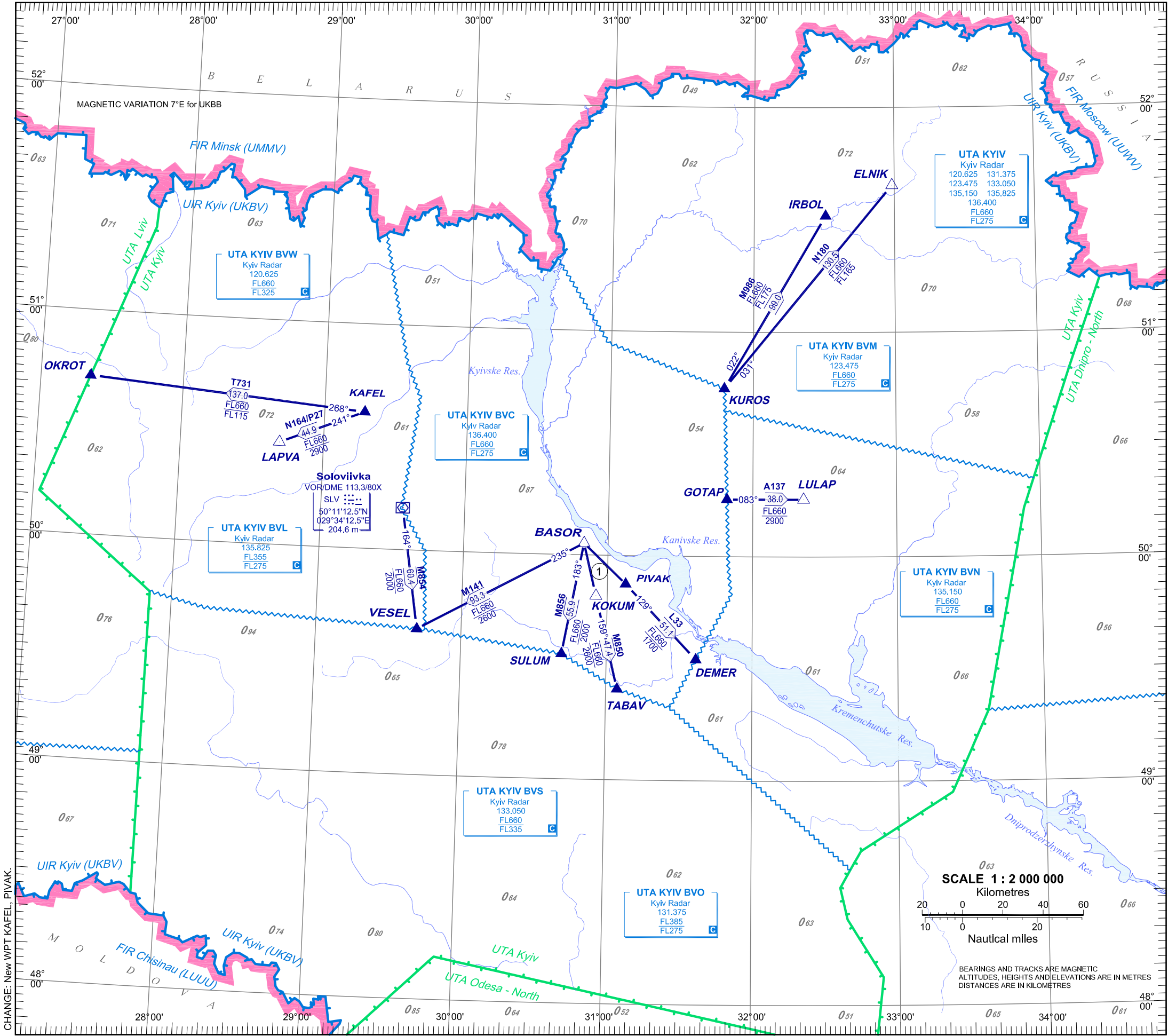
**SLV 2L (Soloviivka TWO LIMA)**

| <i>Path description</i> | <i>Fix identifier (Waypoint name)</i> | <i>Flyover</i> | <i>Course ° M (° T)</i> | <i>Distance km</i> | <i>Turn direction</i> | <i>Altitude, m AMSL / Flight Level</i> | <i>Speed limit km/h (kt)</i> | <i>Navigation Specification</i> |
|-------------------------|---------------------------------------|----------------|-------------------------|--------------------|-----------------------|----------------------------------------|------------------------------|---------------------------------|
| CA                      | -                                     | -              | 259 (266,1)             | -                  | -                     | +600                                   | -                            | RNAV-1 (P-RNAV)                 |
| DF                      | KK105                                 | Y              | -                       | -                  | -                     | +750                                   | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | SLV                                   | N              | 239 (246,2)             | 56,8               | -                     | +3050                                  | -                            | RNAV-1 (P-RNAV)                 |

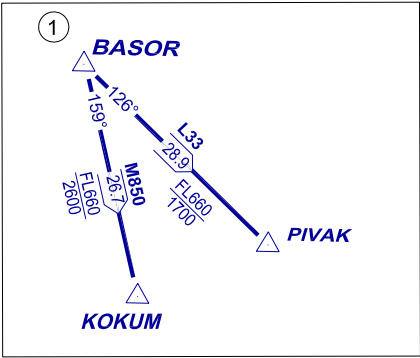


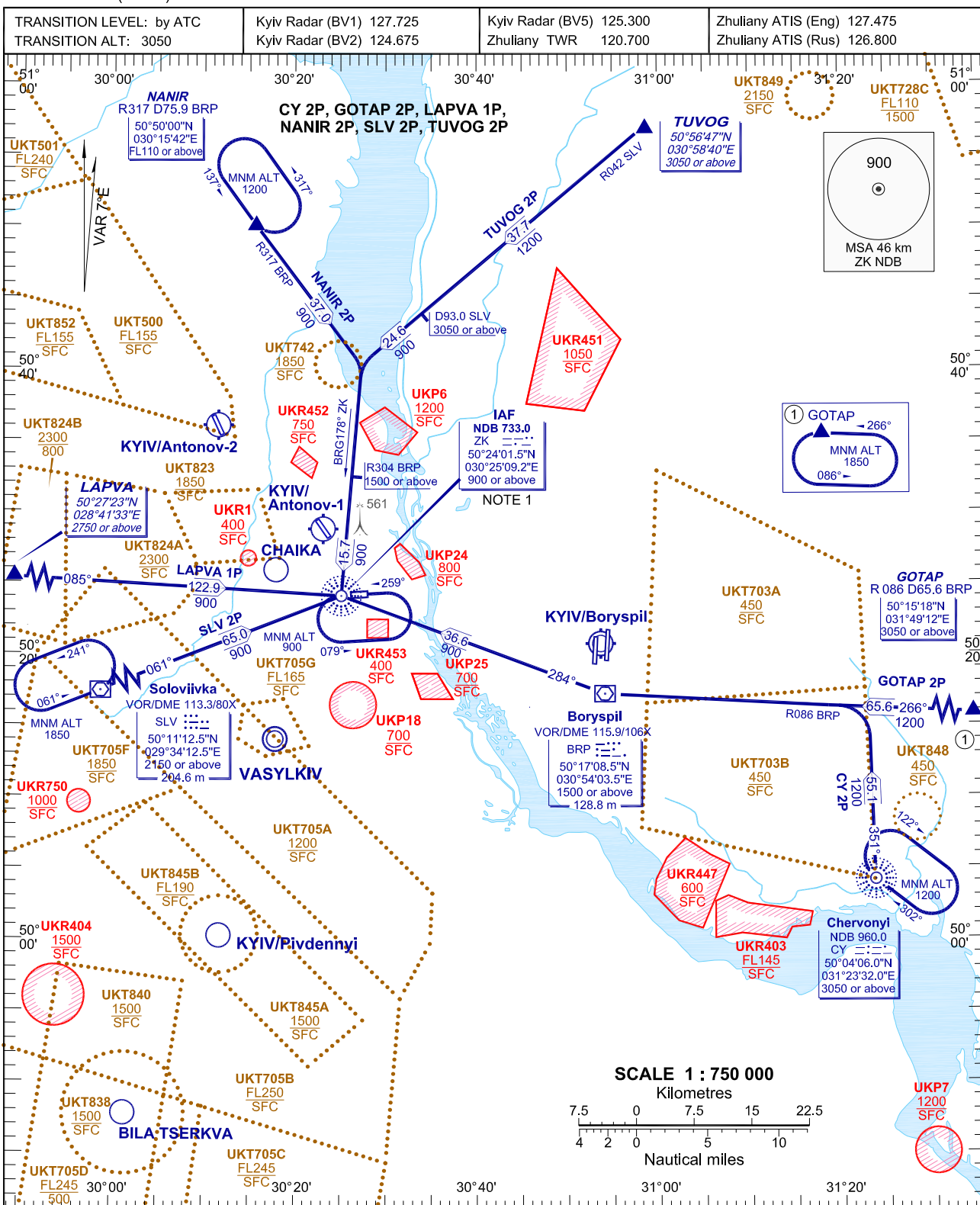
| WAYPOINTS     |             |            |
|---------------|-------------|------------|
| Waypoint name | Coordinates |            |
| BASOR         | 500307N     | 0305000E   |
| GOTAP         | 501518N     | 0314912E   |
| KAFEL         | 503625N     | 0291650E   |
| KUROS         | 504454N     | 0314748E   |
| LASDA         | 512835N     | 0301542E   |
| SLV           | 501112,5N   | 0293412,5E |
| GILEV         | 503324,0N   | 0303841,0E |
| INVAD         | 502200,0N   | 0311614,0E |
| KK105         | 502342,0N   | 0301752,0E |
| KKE01         | 502246,0N   | 0305438,0E |
| KKS01         | 501814,0N   | 0303056,0E |

FRA DEPARTURE CONNECTING ROUTES



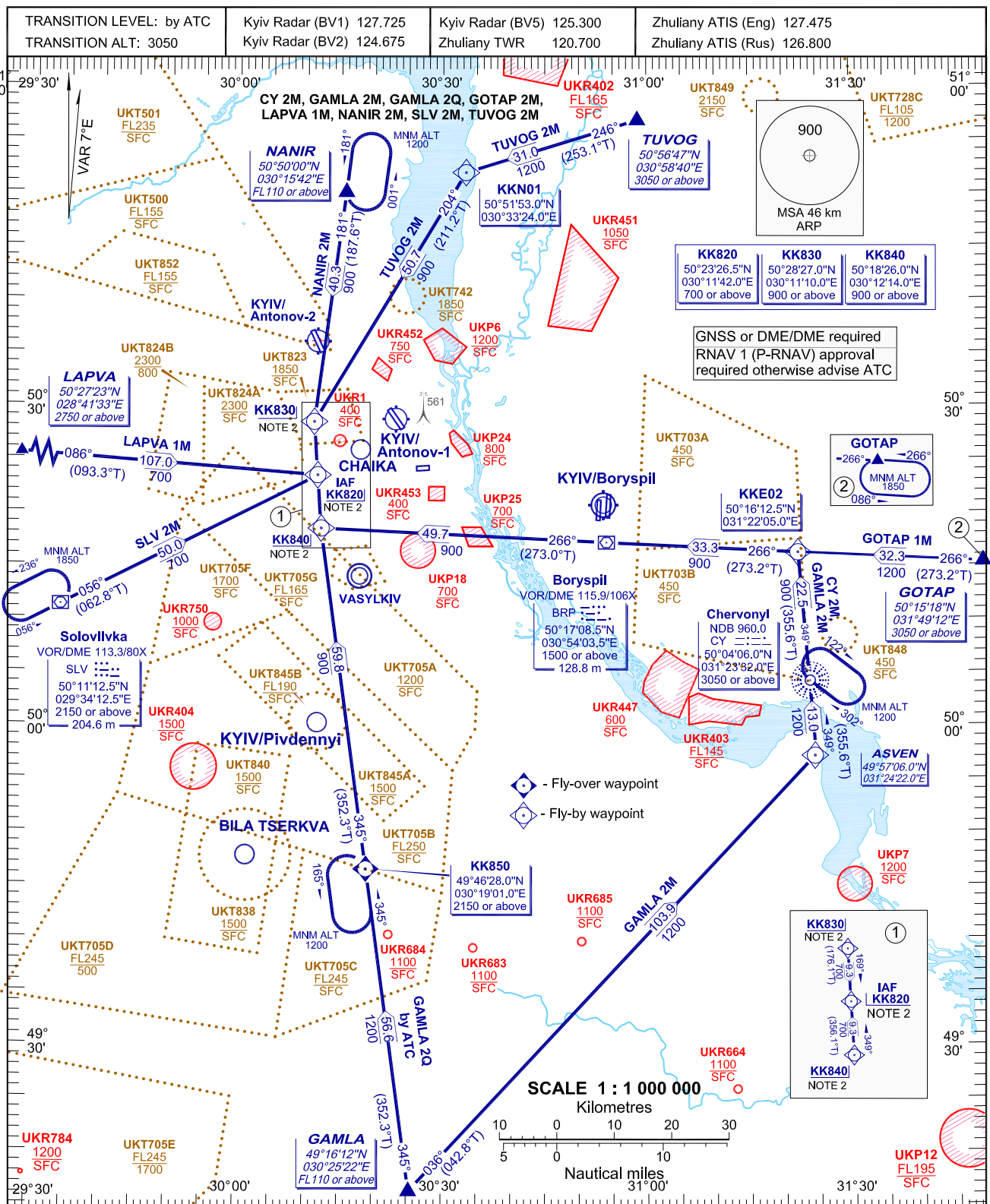
| FRA Departure Connecting Routes |               |                       |
|---------------------------------|---------------|-----------------------|
| Aerodrome                       | SID end point | FRA Connecting Routes |
| UKKK                            | BASOR         | BASOR M141 VESEL      |
|                                 |               | BASOR M856 SULUM      |
|                                 |               | BASOR M850 TABAV      |
|                                 |               | BASOR L33 DEMER       |
|                                 | GOTAP         | GOTAP A137 LULAP      |
|                                 | KAFEL         | KAFEL P27 LAPVA       |
|                                 |               | KAFEL N164 LAPVA      |
|                                 | KUROK         | KUROK M986 IRBOL      |
|                                 |               | KUROK N180 ELNIK      |
|                                 | SLV           | SLV M854 VESEL        |



STANDARD ARRIVAL CHART  
INSTRUMENT (STAR)-ICAOKYIV/Zhuliany  
RWY 08/26

CHANGE: New UKT848.

| STAR RWY 08/26                |                                                                                                                                                                                      | STAR RWY 08                                                                                                                       |                                               |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| Designator                    | Route                                                                                                                                                                                | Altitude                                                                                                                          | Remarks                                       |
| CY 2P<br>Chervonyi TWO PAPA   | On track 351° from CY NDB,<br>turn LEFT to intercept R086 BRP VOR<br>to BRP VOR/DME, turn RIGHT<br>on track 284° from BRP VOR/DME to IAF ZK NDB,<br>then according to approach chart | Cross CY NDB at 3050 or above,<br>BRP VOR/DME at 1500 or above,<br>IAF ZK NDB at 900 or above                                     | MAX IAS 407 km/h (220<br>kt) at IAF ZK NDB    |
| GOTAP 2P<br>GOTAP TWO PAPA    | On track 266° from GOTAP to BRP VOR/DME,<br>turn RIGHT on track 284°<br>from BRP VOR/DME to IAF ZK NDB,<br>then according to approach chart                                          | Cross GOTAP at 3050 or above,<br>BRP VOR/DME at 1500 or above,<br>IAF ZK NDB at 900 or above                                      | MAX IAS 407 km/h (220<br>kt) at<br>IAF ZK NDB |
| LAPVA 1P<br>LAPVA ONE PAPA    | On track 085° from LAPVA to IAF ZK NDB,<br>then according to approach chart                                                                                                          | Cross LAPVA at 2750 or above,<br>IAF ZK NDB at 900 or above                                                                       | MAX IAS 407<br>km/h (220 kt) at IAF ZK<br>NDB |
| NANIR 2P<br>NANIR TWO PAPA    | On R317° BRP VOR from NANIR,<br>turn RIGHT to intercept<br>BRG178° ZK NDB to IAF ZK NDB,<br>then according to approach chart.                                                        | Cross NANIR at FL110 or above,<br>R304° BRP VOR at 1500 or above,<br>IAF ZK NDB at 900 or above                                   | MAX IAS 407<br>km/h (220 kt) at IAF ZK<br>NDB |
| SLV 2P<br>Soloviivka TWO PAPA | On track 061° from SLV VOR/DME to<br>IAF ZK NDB, then according to approach chart                                                                                                    | Cross SLV VOR/DME<br>at 2150 or above,<br>IAF ZK NDB at 900 or above                                                              | MAX IAS 407<br>km/h (220 kt) at IAF ZK<br>NDB |
| TUVOG 2P<br>TUVOG TWO PAPA    | On R042 SLV VOR from TUVOG,<br>turn LEFT to intercept BRG178° ZK NDB to<br>IAF ZK NDB, then according to approach chart                                                              | Cross TUVOG at 3050 or above,<br>D93,0 SLV DME at 3050 or above,<br>R304° BRP VOR at 1500 or above,<br>IAF ZK NDB at 900 or above | MAX IAS 407<br>km/h (220 kt) at IAF ZK<br>NDB |

STANDART ARRIVAL CHART  
INSTRUMENT (STAR) - ICAOKYIV/Zhuliany  
RNAV(GNSS, DME/DME) RWY 08

CHANGE: New UKT848.

**INSTRUMENT ARRIVAL****RNAV RWY 08****CY 2M (Chervonyi TWO MIKE)**

| <i>Path<br/>descript<br/>ion</i> | <i>Fix identifier<br/>(Waypoint name)</i> | <i>Flyover</i> | <i>Course<br/>° M (° T)</i> | <i>Distance<br/>km</i> | <i>Turn<br/>direction</i> | <i>Altitude, m<br/>AMSL / Flight Level</i> | <i>Speed limit<br/>km/h (kt)</i> | <i>Navigation Specification</i> |
|----------------------------------|-------------------------------------------|----------------|-----------------------------|------------------------|---------------------------|--------------------------------------------|----------------------------------|---------------------------------|
| IF                               | CY                                        | -              | -                           | -                      | -                         | +3050                                      | -                                | RNAV-1 (P-RNAV)                 |
| TF                               | KKE02                                     | N              | 349 (355,6)                 | 22,5                   | -                         | -                                          | -                                | RNAV-1 (P-RNAV)                 |
| TF                               | BRP                                       | N              | 266 (273,2)                 | 33,3                   | -                         | +1500                                      | -                                | RNAV-1 (P-RNAV)                 |
| TF                               | KK840                                     | N              | 266 (273,0)                 | 49,7                   | -                         | +900                                       | -407 (220)                       | RNAV-1 (P-RNAV)                 |
| TF                               | KK820                                     | N              | 349 (356,1)                 | 9,3                    | -                         | +700                                       | -407 (220)                       | RNAV-1 (P-RNAV)                 |

**GAMLA 2M (GAMLA TWO MIKE)**

| <i>Path<br/>descript<br/>ion</i> | <i>Fix identifier<br/>(Waypoint name)</i> | <i>Flyover</i> | <i>Course<br/>° M (° T)</i> | <i>Distance<br/>km</i> | <i>Turn<br/>direction</i> | <i>Altitude, m<br/>AMSL / Flight Level</i> | <i>Speed limit<br/>km/h (kt)</i> | <i>Navigation Specification</i> |
|----------------------------------|-------------------------------------------|----------------|-----------------------------|------------------------|---------------------------|--------------------------------------------|----------------------------------|---------------------------------|
| IF                               | GAMLA                                     | -              | -                           | -                      | -                         | +FL110                                     | -                                | RNAV-1 (P-RNAV)                 |
| TF                               | ASVEN                                     | N              | 036 (042,8)                 | 103,9                  | -                         | -                                          | -                                | RNAV-1 (P-RNAV)                 |
| TF                               | CY                                        | N              | 349 (355,6)                 | 13,0                   | -                         | +3050                                      | -                                | RNAV-1 (P-RNAV)                 |
| TF                               | KKE02                                     | N              | 349 (355,6)                 | 22,5                   | -                         | -                                          | -                                | RNAV-1 (P-RNAV)                 |
| TF                               | BRP                                       | N              | 266 (273,2)                 | 33,3                   | -                         | +1500                                      | -                                | RNAV-1 (P-RNAV)                 |
| TF                               | KK840                                     | N              | 266 (273,0)                 | 49,7                   | -                         | +900                                       | -407 (220)                       | RNAV-1 (P-RNAV)                 |
| TF                               | KK820                                     | N              | 349 (356,1)                 | 9,3                    | -                         | +700                                       | -407 (220)                       | RNAV-1 (P-RNAV)                 |

**GAMLA 2Q (GAMLA TWO QUEBEC) by ATC**

| <i>Path<br/>descript<br/>ion</i> | <i>Fix identifier<br/>(Waypoint name)</i> | <i>Flyover</i> | <i>Course<br/>° M (° T)</i> | <i>Distance<br/>km</i> | <i>Turn<br/>direction</i> | <i>Altitude, m<br/>AMSL / Flight Level</i> | <i>Speed limit<br/>km/h (kt)</i> | <i>Navigation Specification</i> |
|----------------------------------|-------------------------------------------|----------------|-----------------------------|------------------------|---------------------------|--------------------------------------------|----------------------------------|---------------------------------|
| IF                               | GAMLA                                     | -              | -                           | -                      | -                         | +FL110                                     | -                                | RNAV-1 (P-RNAV)                 |
| TF                               | KK850                                     | N              | 345 (352,3)                 | 56,6                   | -                         | +2150                                      | -                                | RNAV-1 (P-RNAV)                 |
| TF                               | KK840                                     | N              | 345 (352,3)                 | 59,8                   | -                         | +900                                       | -407 (220)                       | RNAV-1 (P-RNAV)                 |
| TF                               | KK820                                     | N              | 349 (356,1)                 | 9,3                    | -                         | +700                                       | -407 (220)                       | RNAV-1 (P-RNAV)                 |

**GOTAP 2M (GOTAP TWO MIKE)**

| <i>Path<br/>descript<br/>ion</i> | <i>Fix identifier<br/>(Waypoint name)</i> | <i>Flyover</i> | <i>Course<br/>° M (° T)</i> | <i>Distance<br/>km</i> | <i>Turn<br/>direction</i> | <i>Altitude, m<br/>AMSL / Flight Level</i> | <i>Speed limit<br/>km/h (kt)</i> | <i>Navigation Specification</i> |
|----------------------------------|-------------------------------------------|----------------|-----------------------------|------------------------|---------------------------|--------------------------------------------|----------------------------------|---------------------------------|
| IF                               | GOTAP                                     | -              | -                           | -                      | -                         | +3050                                      | -                                | RNAV-1 (P-RNAV)                 |
| TF                               | KKE02                                     | N              | 266 (273,2)                 | 32,3                   | -                         | -                                          | -                                | RNAV-1 (P-RNAV)                 |
| TF                               | BRP                                       | N              | 266 (273,2)                 | 33,3                   | -                         | +1500                                      | -                                | RNAV-1 (P-RNAV)                 |
| TF                               | KK840                                     | N              | 266 (273,0)                 | 49,7                   | -                         | +900                                       | -407 (220)                       | RNAV-1 (P-RNAV)                 |
| TF                               | KK820                                     | N              | 349 (356,1)                 | 9,3                    | -                         | +700                                       | -407 (220)                       | RNAV-1 (P-RNAV)                 |

**LAPVA 1M (LAPVA ONE MIKE)**

| <i>Path<br/>descript<br/>ion</i> | <i>Fix identifier<br/>(Waypoint name)</i> | <i>Flyover</i> | <i>Course<br/>° M (° T)</i> | <i>Distance<br/>km</i> | <i>Turn<br/>direction</i> | <i>Altitude, m<br/>AMSL / Flight Level</i> | <i>Speed limit<br/>km/h (kt)</i> | <i>Navigation Specification</i> |
|----------------------------------|-------------------------------------------|----------------|-----------------------------|------------------------|---------------------------|--------------------------------------------|----------------------------------|---------------------------------|
| IF                               | LAPVA                                     | -              | -                           | -                      | -                         | +2750                                      | -                                | RNAV-1 (P-RNAV)                 |
| TF                               | KK820                                     | N              | 086 (093,3)                 | 107,0                  | -                         | +700                                       | -407 (220)                       | RNAV-1 (P-RNAV)                 |

**NANIR 2M (NANIR TWO MIKE)**

| <i>Path<br/>descript<br/>ion</i> | <i>Fix identifier<br/>(Waypoint name)</i> | <i>Flyover</i> | <i>Course<br/>° M (° T)</i> | <i>Distance<br/>km</i> | <i>Turn<br/>direction</i> | <i>Altitude, m<br/>AMSL / Flight Level</i> | <i>Speed limit<br/>km/h (kt)</i> | <i>Navigation Specification</i> |
|----------------------------------|-------------------------------------------|----------------|-----------------------------|------------------------|---------------------------|--------------------------------------------|----------------------------------|---------------------------------|
| IF                               | NANIR                                     | -              | -                           | -                      | -                         | +FL110                                     | -                                | RNAV-1 (P-RNAV)                 |
| TF                               | KK830                                     | N              | 181 (187,6)                 | 40,3                   | -                         | +900                                       | -407 (220)                       | RNAV-1 (P-RNAV)                 |
| TF                               | KK820                                     | N              | 169 (176,1)                 | 9,3                    | -                         | +700                                       | -407 (220)                       | RNAV-1 (P-RNAV)                 |

**SLV 2M (Soloviivka TWO MIKE)**

| <i>Path<br/>descript<br/>ion</i> | <i>Fix identifier<br/>(Waypoint name)</i> | <i>Flyover</i> | <i>Course<br/>° M (° T)</i> | <i>Distance<br/>km</i> | <i>Turn<br/>direction</i> | <i>Altitude, m<br/>AMSL / Flight Level</i> | <i>Speed limit<br/>km/h (kt)</i> | <i>Navigation Specification</i> |
|----------------------------------|-------------------------------------------|----------------|-----------------------------|------------------------|---------------------------|--------------------------------------------|----------------------------------|---------------------------------|
| IF                               | SLV                                       | -              | -                           | -                      | -                         | +2150                                      | -                                | RNAV-1 (P-RNAV)                 |
| TF                               | KK820                                     | N              | 056 (062,8)                 | 50,0                   | -                         | +700                                       | -407 (220)                       | RNAV-1 (P-RNAV)                 |

# TUVOG 2M (TUVOG TWO MIKE)

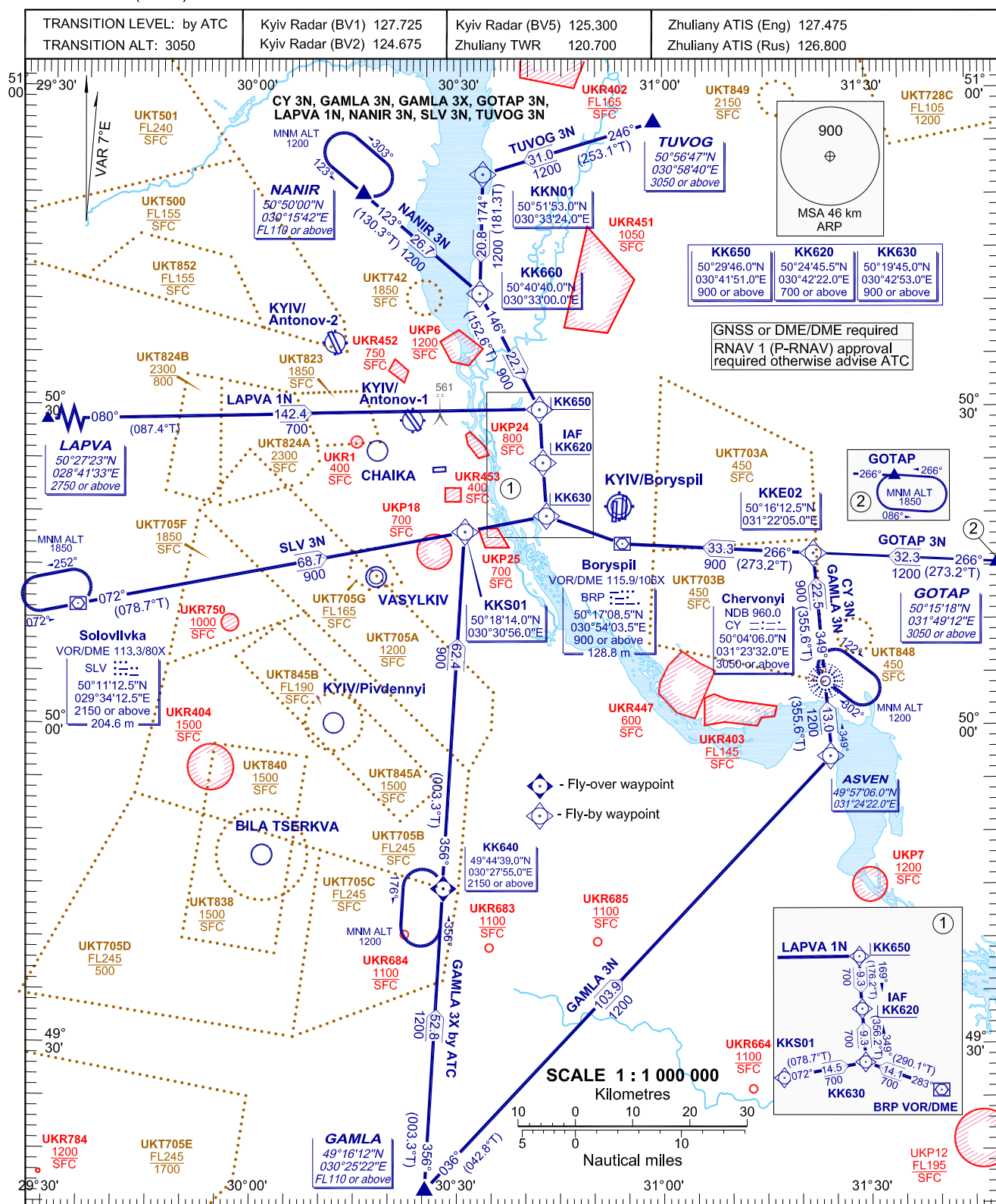
| <i>Path description</i> | <i>Fix identifier (Waypoint name)</i> | <i>Flyover</i> | <i>Course °M ( °T)</i> | <i>Distance km</i> | <i>Turn direction</i> | <i>Altitude, m AMSL / Flight Level</i> | <i>Speed limit km/h (kt)</i> | <i>Navigation Specification</i> |
|-------------------------|---------------------------------------|----------------|------------------------|--------------------|-----------------------|----------------------------------------|------------------------------|---------------------------------|
| IF                      | TUVOG                                 | -              | -                      | -                  | -                     | +3050                                  | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | KKN01                                 |                | 246 (253,1)            | 31,0               | -                     | -                                      | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | KK830                                 | N              | 204 (211,2)            | 50,7               | -                     | +900                                   | -407 (220)                   | RNAV-1 (P-RNAV)                 |
| TF                      | KK820                                 | N              | 169 (176,1)            | 9,3                | -                     | +700                                   | -407 (220)                   | RNAV-1 (P-RNAV)                 |

| WAYPOINTS            |                    |            |
|----------------------|--------------------|------------|
| <i>Waypoint name</i> | <i>Coordinates</i> |            |
| KK820                | 502326,5N          | 0301142,0E |
| KK830                | 502827,0N          | 0301110,0E |
| KK840                | 501826,0N          | 0301214,0E |
| KK850                | 494628,0N          | 0301901,0E |
| KKE02                | 501612,5N          | 0312205,0E |
| KKN01                | 505153,0N          | 0303324,0E |
| ASVEN                | 495706,0N          | 0312422,0E |
| BRP                  | 501708,5N          | 0305403,5E |
| CY                   | 500406,0N          | 0312332,0E |
| SLV                  | 501112,5N          | 0293412,5E |
| GAMLA                | 491612N            | 0302522E   |
| GOTAP                | 501518N            | 0314912E   |
| LAPVA                | 502723N            | 0284133E   |
| NANIR                | 505000N            | 0301542E   |
| TUVOG                | 505647N            | 0305840E   |

| HOLDINGS                |                                       |                                 |                    |                 |                       |                                                |                              |
|-------------------------|---------------------------------------|---------------------------------|--------------------|-----------------|-----------------------|------------------------------------------------|------------------------------|
| <i>Path description</i> | <i>Fix identifier (Waypoint name)</i> | <i>Inbound Track ° M ( ° T)</i> | <i>Distance km</i> | <i>Time MIN</i> | <i>Turn direction</i> | <i>Minimum Altitude, m AMSL / Flight Level</i> | <i>Speed limit km/h (kt)</i> |
| Hold                    | CY                                    | 302 (309,4)                     | -                  | 1               | R                     | 1200                                           | -                            |
| Hold                    | GOTAP                                 | 266 (273,2)                     | -                  | 1               | L                     | 1850                                           | -                            |
| Hold                    | KK850                                 | 345 (352,3)                     | -                  | 1               | L                     | 1200                                           | -                            |
| Hold                    | NANIR                                 | 181 (187,6)                     | -                  | 1               | L                     | 1200                                           | -                            |
| Hold                    | SLV                                   | 056 (062,8)                     | -                  | 1               | L                     | 1850                                           | -                            |



KYIV/Zhuliany  
RNAV(GNSS, DME/DME) RWY 26



BEARINGS AND TRACKS ARE MAGNETIC,  
ALTITUDES, HEIGHTS AND ELEVATIONS ARE IN METRES,  
DISTANCES ARE IN KILOMETRES

1. CDO are performed during period of low traffic density.
2. CDO may be requested by the pilot or offered by the controller.
3. After receiving a "WHEN READY DESCEND TO (LEVEL)" or "DESCEND TO (LEVEL)" AT PILOTS DISCRETION" clearance plan/optimize the vertical profile in order to apply CDO technique up to the FAP.
4. Specified minimum level at waypoint must be adhered to unless specifically cancelled by ATC.
5. Maintain MAX IAS 220 kt at a distance of 20 track miles from touchdown.
6. For operational regulations refer to UKKK AD 2.22 and ENR 1.5.



**INSTRUMENT ARRIVAL****RNAV RWY 26****CY 3N (Chervonyi THREE NOVEMBER)**

| <i>Path description</i> | <i>Fix identifier (Waypoint name)</i> | <i>Flyover</i> | <i>Course ° M (° T)</i> | <i>Distance km</i> | <i>Turn direction</i> | <i>Altitude, m AMSL / Flight Level</i> | <i>Speed limit km/h (kt)</i> | <i>Navigation Specification</i> |
|-------------------------|---------------------------------------|----------------|-------------------------|--------------------|-----------------------|----------------------------------------|------------------------------|---------------------------------|
| IF                      | CY                                    | -              | -                       | -                  | -                     | +3050                                  | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | KKE02                                 | N              | 349 (355,6)             | 22,5               | -                     | -                                      | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | BRP                                   | N              | 266 (273,2)             | 33,3               | -                     | +900                                   | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | KK630                                 | N              | 283 (290,1)             | 14,1               | -                     | +900                                   | -407 (220)                   | RNAV-1 (P-RNAV)                 |
| TF                      | KK620                                 | N              | 349 (356,2)             | 9,3                | -                     | +700                                   | -407 (220)                   | RNAV-1 (P-RNAV)                 |

**GAMLA 3N (GAMLA THREE NOVEMBER)**

| <i>Path description</i> | <i>Fix identifier (Waypoint name)</i> | <i>Flyover</i> | <i>Course ° M (° T)</i> | <i>Distance km</i> | <i>Turn direction</i> | <i>Altitude, m AMSL / Flight Level</i> | <i>Speed limit km/h (kt)</i> | <i>Navigation Specification</i> |
|-------------------------|---------------------------------------|----------------|-------------------------|--------------------|-----------------------|----------------------------------------|------------------------------|---------------------------------|
| IF                      | GAMLA                                 | -              | -                       | -                  | -                     | +FL110                                 | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | ASVEN                                 | N              | 036 (042,8)             | 103,9              | -                     | -                                      | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | CY                                    | N              | 349 (355,6)             | 13,0               | -                     | +3050                                  | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | KKE02                                 | N              | 349 (355,6)             | 22,5               | -                     | -                                      | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | BRP                                   | N              | 266 (273,2)             | 33,3               | -                     | +900                                   | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | KK630                                 | N              | 283 (290,1)             | 14,1               | -                     | +900                                   | -407 (220)                   | RNAV-1 (P-RNAV)                 |
| TF                      | KK620                                 | N              | 349 (356,2)             | 9,3                | -                     | +700                                   | -407 (220)                   | RNAV-1 (P-RNAV)                 |

**GAMLA 3X (GAMLA THREE X-RAY) by ATC**

| <i>Path description</i> | <i>Fix identifier (Waypoint name)</i> | <i>Flyover</i> | <i>Course ° M (° T)</i> | <i>Distance km</i> | <i>Turn direction</i> | <i>Altitude, m AMSL / Flight Level</i> | <i>Speed limit km/h (kt)</i> | <i>Navigation Specification</i> |
|-------------------------|---------------------------------------|----------------|-------------------------|--------------------|-----------------------|----------------------------------------|------------------------------|---------------------------------|
| IF                      | GAMLA                                 | -              | -                       | -                  | -                     | +FL110                                 | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | KK640                                 | N              | 356 (003,3)             | 52,8               | -                     | +2150                                  | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | KKS01                                 | N              | 356 (003,3)             | 62,4               | -                     | -                                      | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | KK630                                 | N              | 072 (078,7)             | 14,5               | -                     | +900                                   | -407 (220)                   | RNAV-1 (P-RNAV)                 |
| TF                      | KK620                                 | N              | 349 (356,2)             | 9,3                | -                     | +700                                   | -407 (220)                   | RNAV-1 (P-RNAV)                 |

**GOTAP 3N (GOTAP THREE NOVEMBER)**

| <i>Path description</i> | <i>Fix identifier (Waypoint name)</i> | <i>Flyover</i> | <i>Course ° M (° T)</i> | <i>Distance km</i> | <i>Turn direction</i> | <i>Altitude, m AMSL / Flight Level</i> | <i>Speed limit km/h (kt)</i> | <i>Navigation Specification</i> |
|-------------------------|---------------------------------------|----------------|-------------------------|--------------------|-----------------------|----------------------------------------|------------------------------|---------------------------------|
| IF                      | GOTAP                                 | -              | -                       | -                  | -                     | +3050                                  | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | KKE02                                 | N              | 266 (273,2)             | 32,3               | -                     | -                                      | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | BRP                                   | N              | 266 (273,2)             | 33,3               | -                     | +900                                   | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | KK630                                 | N              | 283 (290,1)             | 14,1               | -                     | +900                                   | -407 (220)                   | RNAV-1 (P-RNAV)                 |
| TF                      | KK620                                 | N              | 349 (356,2)             | 9,3                | -                     | +700                                   | -407 (220)                   | RNAV-1 (P-RNAV)                 |

**LAPVA 1N (LAPVA ONE NOVEMBER)**

| <i>Path description</i> | <i>Fix identifier (Waypoint name)</i> | <i>Flyover</i> | <i>Course ° M (° T)</i> | <i>Distance km</i> | <i>Turn direction</i> | <i>Altitude, m AMSL / Flight Level</i> | <i>Speed limit km/h (kt)</i> | <i>Navigation Specification</i> |
|-------------------------|---------------------------------------|----------------|-------------------------|--------------------|-----------------------|----------------------------------------|------------------------------|---------------------------------|
| IF                      | LAPVA                                 | -              | -                       | -                  | -                     | +2750                                  | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | KK650                                 | N              | 080 (087,4)             | 142,4              | -                     | +900                                   | -407 (220)                   | RNAV-1 (P-RNAV)                 |
| TF                      | KK620                                 | N              | 169 (176,2)             | 9,3                | -                     | +700                                   | -407 (220)                   | RNAV-1 (P-RNAV)                 |

**NANIR 3N (NANIR THREE NOVEMBER)**

| <i>Path description</i> | <i>Fix identifier (Waypoint name)</i> | <i>Flyover</i> | <i>Course ° M (° T)</i> | <i>Distance km</i> | <i>Turn direction</i> | <i>Altitude, m AMSL / Flight Level</i> | <i>Speed limit km/h (kt)</i> | <i>Navigation Specification</i> |
|-------------------------|---------------------------------------|----------------|-------------------------|--------------------|-----------------------|----------------------------------------|------------------------------|---------------------------------|
| IF                      | NANIR                                 | -              | -                       | -                  | -                     | +FL110                                 | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | KK660                                 | N              | 123 (130,3)             | 26,7               | -                     | -                                      | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | KK650                                 | N              | 146 (152,6)             | 22,7               | -                     | +900                                   | -407 (220)                   | RNAV-1 (P-RNAV)                 |
| TF                      | KK620                                 | N              | 169 (176,2)             | 9,3                | -                     | +700                                   | -407 (220)                   | RNAV-1 (P-RNAV)                 |

**SLV 3N (Soloviivka THREE NOVEMBER)**

| <i>Path description</i> | <i>Fix identifier (Waypoint name)</i> | <i>Flyover</i> | <i>Course °M (° T)</i> | <i>Distance km</i> | <i>Turn direction</i> | <i>Altitude, m AMSL / Flight Level</i> | <i>Speed limit km/h (kt)</i> | <i>Navigation Specification</i> |
|-------------------------|---------------------------------------|----------------|------------------------|--------------------|-----------------------|----------------------------------------|------------------------------|---------------------------------|
| IF                      | SLV                                   | -              | -                      | -                  | -                     | +2150                                  | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | KKS01                                 | N              | 072 (078,7)            | 68,7               | -                     | -                                      | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | KK630                                 | N              | 072 (078,7)            | 14,5               | -                     | +900                                   | -407 (220)                   | RNAV-1 (P-RNAV)                 |
| TF                      | KK620                                 | N              | 349 (356,2)            | 9,3                | -                     | +700                                   | -407 (220)                   | RNAV-1 (P-RNAV)                 |

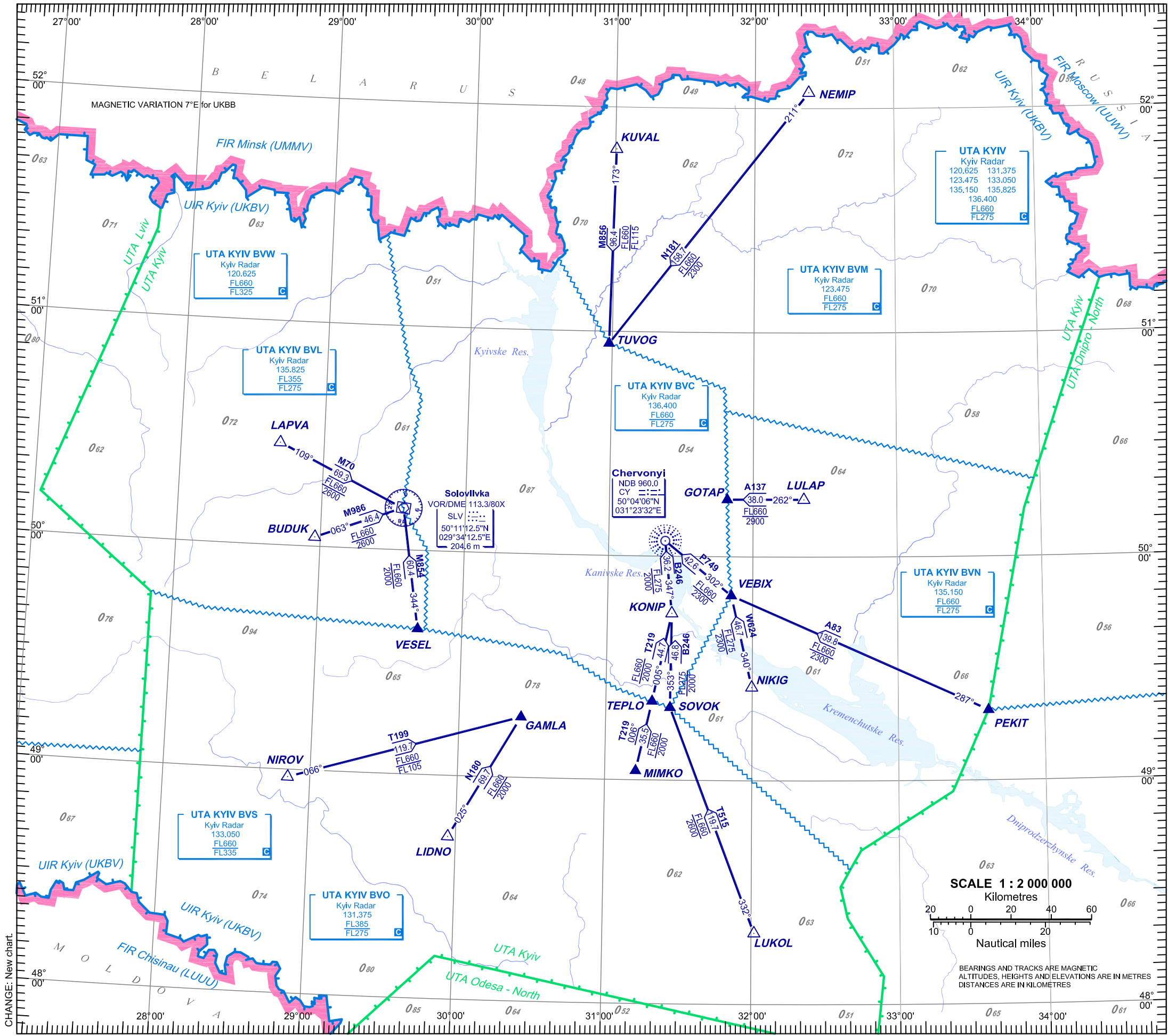
**TUVOG 3N (TUVOG THREE NOVEMBER)**

| <i>Path description</i> | <i>Fix identifier (Waypoint name)</i> | <i>Flyover</i> | <i>Course M ( T)</i> | <i>Distance km</i> | <i>Turn direction</i> | <i>Altitude, m AMSL / Flight Level</i> | <i>Speed limit km/h (kt)</i> | <i>Navigation Specification</i> |
|-------------------------|---------------------------------------|----------------|----------------------|--------------------|-----------------------|----------------------------------------|------------------------------|---------------------------------|
| IF                      | TUVOG                                 | -              | -                    | -                  | -                     | +3050                                  | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | KKN01                                 | N              | 246 (253,1)          | 31,0               | -                     | -                                      | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | KK660                                 | N              | 174 (181,3)          | 20,8               | -                     | -                                      | -                            | RNAV-1 (P-RNAV)                 |
| TF                      | KK650                                 | N              | 146 (152,6)          | 22,7               | -                     | +900                                   | -407 (220)                   | RNAV-1 (P-RNAV)                 |
| TF                      | KK620                                 | N              | 169 (176,2)          | 9,3                | -                     | +700                                   | -407 (220)                   | RNAV-1 (P-RNAV)                 |

| <b>WAYPOINTS</b>     |                    |            |
|----------------------|--------------------|------------|
| <i>Waypoint name</i> | <i>Coordinates</i> |            |
| KK620                | 502445,5N          | 0304222,0E |
| KK630                | 501945,0N          | 0304253,0E |
| KK640                | 494439,0N          | 0302755,0E |
| KK650                | 502946,0N          | 0304151,0E |
| KK660                | 504040,0N          | 0303300,0E |
| KKE02                | 501612,5N          | 0312205,0E |
| KKN01                | 505153,0N          | 0303324,0E |
| KKS01                | 501814,0N          | 0303056,0E |
| ASVEN                | 495706,0N          | 0312422,0E |
| BRP                  | 501708,5N          | 0305403,5E |
| CY                   | 500406,0N          | 0312332,0E |
| SLV                  | 501112,5N          | 0293412,5E |
| GAMLA                | 491612N            | 0302522E   |
| GOTAP                | 501518N            | 0314912E   |
| LAPVA                | 502723N            | 0284133E   |
| NANIR                | 505000N            | 0301542E   |
| TUVOG                | 505647N            | 0305840E   |

| <b>HOLDINGS</b>         |                                       |                               |                    |                 |                       |                                                |                              |
|-------------------------|---------------------------------------|-------------------------------|--------------------|-----------------|-----------------------|------------------------------------------------|------------------------------|
| <i>Path description</i> | <i>Fix identifier (Waypoint name)</i> | <i>Inbound Track °M (° T)</i> | <i>Distance km</i> | <i>Time MIN</i> | <i>Turn direction</i> | <i>Minimum Altitude, m AMSL / Flight Level</i> | <i>Speed limit km/h (kt)</i> |
| Hold                    | CY                                    | 302 (309,4)                   | -                  | 1               | R                     | 1200                                           | -                            |
| Hold                    | GOTAP                                 | 266 (273,2)                   | -                  | 1               | L                     | 1850                                           | -                            |
| Hold                    | KK640                                 | 356 (003,3)                   | -                  | 1               | L                     | 1200                                           | -                            |
| Hold                    | NANIR                                 | 123 (130,3)                   | -                  | 1               | L                     | 1200                                           | -                            |
| Hold                    | SLV                                   | 072 (078,7)                   | -                  | 1               | L                     | 1850                                           | -                            |

FRA ARRIVAL CONNECTING ROUTES



| FRA Arrival Connecting Routes |                  |                          |
|-------------------------------|------------------|--------------------------|
| Aerodrome                     | STAR start point | FRA Connecting Routes    |
| UKKK                          | CY               | PEKIT A83 VEBIX P749 CY  |
|                               |                  | NIKIG W624 VEBIX P749 CY |
|                               |                  | LUKOL T515 SOVOK B246 CY |
|                               |                  | MIMKO T219 KONIP B246 CY |
|                               | GAMLA            | NIROV T199 GAMLA         |
|                               |                  | LIDNO N180 GAMLA         |
|                               | GOTAP            | LULAP A137 GOTAP         |
|                               | SLV              | BUDUK M986 SLV           |
|                               |                  | LAPVA M70 SLV            |
|                               |                  | VESEL M854 SLV           |
|                               | TUVOG            | KUVAL M856 TUVOG         |
|                               |                  | NEMIP N181 TUVOG         |

SCALE 1 : 2 000 000

Kilometres

Nautical miles

BEARINGS AND TRACKS ARE MAGNETIC  
ALTITUDES, HEIGHTS AND ELEVATIONS ARE IN METRES  
DISTANCES ARE IN KILOMETRES

## INSTRUMENT

APPROACH CHART (IAC)-ICAO

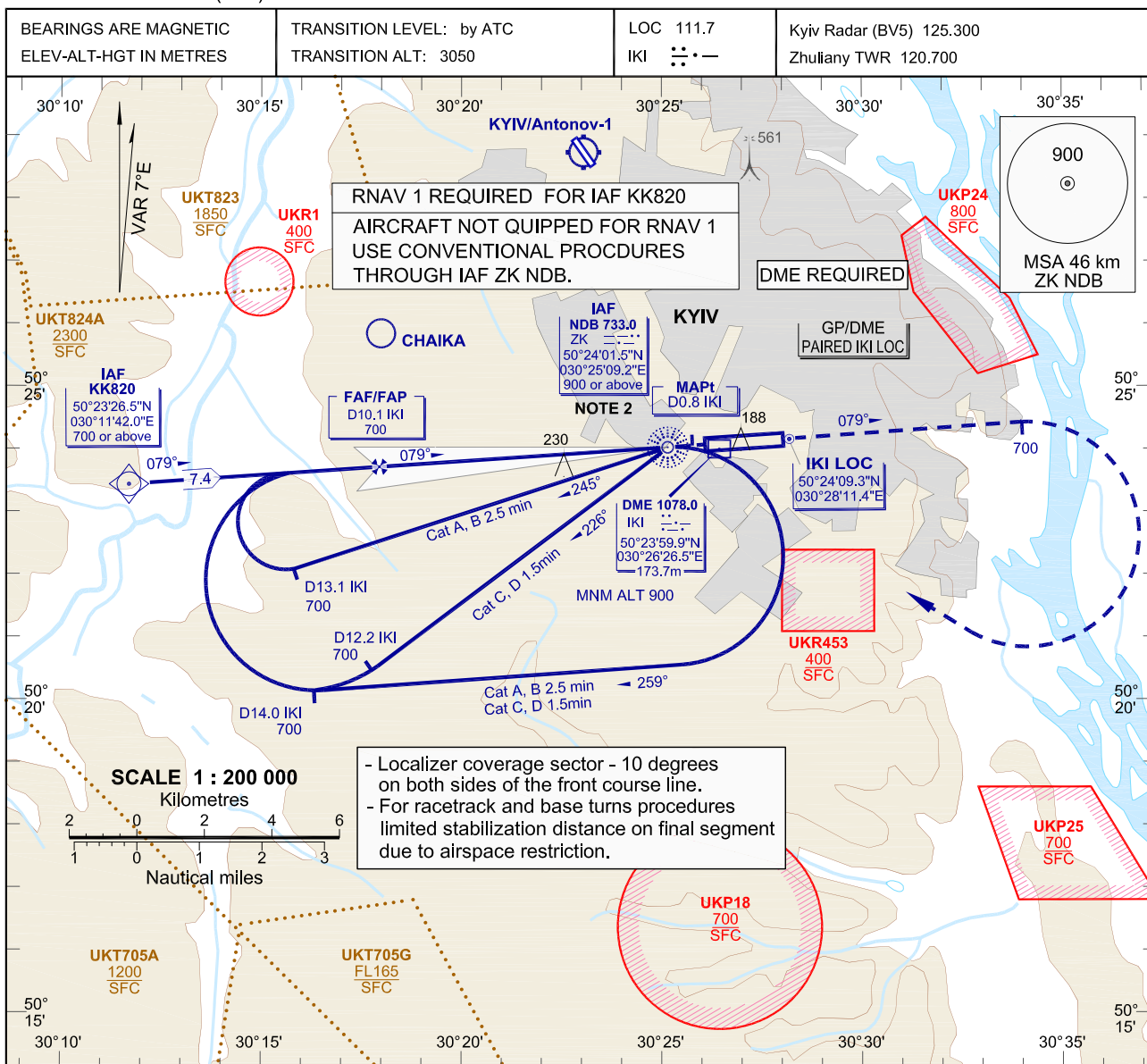
AD ELEV 179 m

## HEIGHTS RELATED TO

DTHR RWY 08 - ELEV 170.8 m

KYIV/Zhuliany

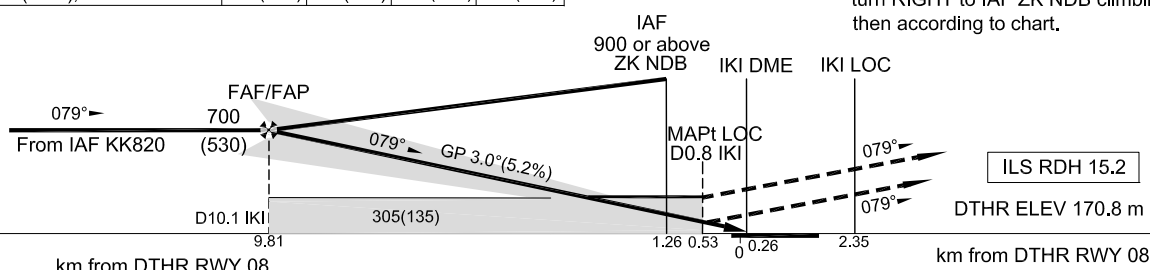
ILS or LOC RWY 08



|               |          |          |          |          |
|---------------|----------|----------|----------|----------|
| IKI DME, km   | 9.0      | 7.0      | 5.0      | 3.0      |
| DIST DTHR, km | 8.74     | 6.74     | 4.74     | 2.74     |
| ALT(HGT), m   | 644(473) | 539(368) | 434(264) | 329(159) |

## MISSED APPROACH:

Climb on track 079° to 700(530), then  
turn RIGHT to IAF ZK NDB climbing to 900,  
then according to chart.



| OCA/H                |           | A              | B        | C        | D        | NOTE:<br>1. Timing not authorized.<br>2. Speed restriction:<br>3. Visual manoeuvring not authorized. |     |     |     |     |
|----------------------|-----------|----------------|----------|----------|----------|------------------------------------------------------------------------------------------------------|-----|-----|-----|-----|
| Straight-in Approach |           |                |          |          |          |                                                                                                      |     |     |     |     |
|                      | ILS CAT I | 228(57)        | 231(60)  | 234(63)  | 237(66)  |                                                                                                      |     |     |     |     |
|                      | LOC       | 305(135)       | 305(135) | 305(135) | 305(135) |                                                                                                      |     |     |     |     |
|                      |           |                |          |          |          |                                                                                                      |     |     |     |     |
| Circling             |           | NOT AUTHORIZED |          |          |          |                                                                                                      |     |     |     |     |
| GROUND SPEED         |           | km/h           | 150      | 180      | 210      | 240                                                                                                  | 270 | 300 | 330 | 360 |
| RATE OF DESCENT      |           | m/s            | 2.2      | 2.6      | 3.1      | 3.5                                                                                                  | 3.9 | 4.4 | 4.8 | 5.2 |

## NOTE:

1. Timing not authorized for defining the MAPt.
2. Speed restriction: MAX IAS 407 km/h (220 kt) at IAF ZK NDB.
3. Visual manoeuvring (circling) and visual approach not authorized.

CHANGE: New procedures: Vertical limits training zones: UKP34 deleted.