

**RNAV 1 (GNSS)  
STANDARD ARRIVAL CHART  
INSTRUMENT (STAR) - ICAO**

**KRAKÓW/Balice  
RWY 07**

**MAPIK 1H**

| SEQUENCE NUMBER | PATH TERMINATOR | WAYPOINT IDENTIFIER | COURSE / TRACK °M (°T) | DISTANCE (NM) | ALTITUDE | SPEED (kt) | NAV SPEC |
|-----------------|-----------------|---------------------|------------------------|---------------|----------|------------|----------|
| 001             | IF              | MAPIK               | -                      | -             | -        | -          | RNAV 1   |
| 002             | TF              | ODSOB               | 100 (105.3)            | 31.24         | +FL110   | -          | RNAV 1   |
| 003             | TF              | KK708               | 115 (119.5)            | 13.68         | -        | -          | RNAV 1   |
| 004             | TF              | KK707               | 115 (119.7)            | 7.06          | +FL90    | -          | RNAV 1   |
| 005             | TF              | KK706               | 163 (167.6)            | 5.11          | -        | -          | RNAV 1   |
| 006             | TF              | KK704               | 253 (257.6)            | 5.00          | -        | -          | RNAV 1   |
| 007             | TF              | KK703               | 253 (257.5)            | 5.00          | -        | -220       | RNAV 1   |
| 008             | TF              | KK702               | 162 (167.4)            | 5.30          | -        | -220       | RNAV 1   |
| 009             | TF              | KK701               | 072 (077.4)            | 5.00          | +5000 ft | -220       | RNAV 1   |
| 010             | TF              | IXUVI               | 073 (077.5)            | 5.00          | +3000 ft | -220       | RNAV 1   |
| 011             | TF              | KK592 (FAF)         | 073 (077.6)            | 1.50          | +3000 ft | -220       | RNAV 1   |

**BAREX 1H**

| SEQUENCE NUMBER | PATH TERMINATOR | WAYPOINT IDENTIFIER | COURSE / TRACK °M (°T) | DISTANCE (NM) | ALTITUDE | SPEED (kt) | NAV SPEC |
|-----------------|-----------------|---------------------|------------------------|---------------|----------|------------|----------|
| 001             | IF              | BAREX               | -                      | -             | -        | -          | RNAV 1   |
| 002             | TF              | XONRA               | 159 (163.9)            | 9.30          | -        | -          | RNAV 1   |
| 003             | TF              | INPUM               | 157 (162.5)            | 5.96          | -        | -          | RNAV 1   |
| 004             | TF              | ODSOB               | 152 (156.6)            | 17.33         | +FL110   | -          | RNAV 1   |
| 005             | TF              | KK708               | 115 (119.5)            | 13.68         | -        | -          | RNAV 1   |
| 006             | TF              | KK707               | 115 (119.7)            | 7.06          | +FL90    | -          | RNAV 1   |
| 007             | TF              | KK706               | 163 (167.6)            | 5.11          | -        | -          | RNAV 1   |
| 008             | TF              | KK704               | 253 (257.6)            | 5.00          | -        | -          | RNAV 1   |
| 009             | TF              | KK703               | 253 (257.5)            | 5.00          | -        | -220       | RNAV 1   |
| 010             | TF              | KK702               | 162 (167.4)            | 5.30          | -        | -220       | RNAV 1   |
| 011             | TF              | KK701               | 072 (077.4)            | 5.00          | +5000 ft | -220       | RNAV 1   |
| 012             | TF              | IXUVI               | 073 (077.5)            | 5.00          | +3000 ft | -220       | RNAV 1   |
| 013             | TF              | KK592 (FAF)         | 073 (077.6)            | 1.50          | +3000 ft | -220       | RNAV 1   |

**KUKAM 1H**

| SEQUENCE NUMBER | PATH TERMINATOR | WAYPOINT IDENTIFIER | COURSE / TRACK °M (°T) | DISTANCE (NM) | ALTITUDE | SPEED (kt) | NAV SPEC |
|-----------------|-----------------|---------------------|------------------------|---------------|----------|------------|----------|
| 001             | IF              | KUKAM               | -                      | -             | -        | -          | RNAV 1   |
| 002             | TF              | UPMAK               | 237 (241.7)            | 14.61         | +FL100   | -          | RNAV 1   |
| 003             | TF              | ULNOD               | 171 (175.6)            | 23.49         | -        | -          | RNAV 1   |
| 004             | TF              | KK712               | 171 (175.6)            | 7.96          | +FL90    | -          | RNAV 1   |
| 005             | TF              | KK706               | 253 (257.8)            | 10.16         | -        | -          | RNAV 1   |
| 006             | TF              | KK704               | 253 (257.6)            | 5.00          | -        | -          | RNAV 1   |
| 007             | TF              | KK703               | 253 (257.5)            | 5.00          | -        | -220       | RNAV 1   |
| 008             | TF              | KK702               | 162 (167.4)            | 5.30          | -        | -220       | RNAV 1   |
| 009             | TF              | KK701               | 072 (077.4)            | 5.00          | +5000 ft | -220       | RNAV 1   |
| 010             | TF              | IXUVI               | 073 (077.5)            | 5.00          | +3000 ft | -220       | RNAV 1   |
| 011             | TF              | KK592 (FAF)         | 073 (077.6)            | 1.50          | +3000 ft | -220       | RNAV 1   |

**GOVRI 1H**

| SEQUENCE NUMBER | PATH TERMINATOR | WAYPOINT IDENTIFIER | COURSE / TRACK °M (°T) | DISTANCE (NM) | ALTITUDE | SPEED (kt) | NAV SPEC |
|-----------------|-----------------|---------------------|------------------------|---------------|----------|------------|----------|
| 001             | IF              | GOVRI               | -                      | -             | -        | -          | RNAV 1   |
| 002             | TF              | XENGO               | 289 (294.1)            | 23.93         | +FL100   | -          | RNAV 1   |
| 003             | TF              | KK714               | 252 (257.3)            | 20.97         | -        | -          | RNAV 1   |
| 004             | TF              | KK712               | 252 (256.9)            | 5.82          | +FL90    | -          | RNAV 1   |
| 005             | TF              | KK706               | 253 (257.8)            | 10.16         | -        | -          | RNAV 1   |
| 006             | TF              | KK704               | 253 (257.6)            | 5.00          | -        | -          | RNAV 1   |
| 007             | TF              | KK703               | 253 (257.5)            | 5.00          | -        | -220       | RNAV 1   |
| 008             | TF              | KK702               | 162 (167.4)            | 5.30          | -        | -220       | RNAV 1   |
| 009             | TF              | KK701               | 072 (077.4)            | 5.00          | +5000 ft | -220       | RNAV 1   |
| 010             | TF              | IXUVI               | 073 (077.5)            | 5.00          | +3000 ft | -220       | RNAV 1   |
| 011             | TF              | KK592 (FAF)         | 073 (077.6)            | 1.50          | +3000 ft | -220       | RNAV 1   |

**LENOV 1H**

| SEQUENCE NUMBER | PATH TERMINATOR | WAYPOINT IDENTIFIER | COURSE / TRACK °M (°T) | DISTANCE (NM) | ALTITUDE | SPEED (kt) | NAV SPEC |
|-----------------|-----------------|---------------------|------------------------|---------------|----------|------------|----------|
| 001             | IF              | LENOV               | -                      | -             | -        | -          | RNAV 1   |
| 002             | TF              | MODGU               | 312 (316.9)            | 33.84         | +FL120   | -          | RNAV 1   |
| 003             | TF              | ERPOK               | 311 (316.4)            | 16.92         | -        | -          | RNAV 1   |
| 004             | TF              | KK721               | 299 (304.0)            | 6.80          | +FL90    | -          | RNAV 1   |
| 005             | TF              | KK719               | 253 (257.9)            | 10.11         | -        | -          | RNAV 1   |
| 006             | TF              | KK718               | 253 (257.7)            | 5.00          | -        | -          | RNAV 1   |
| 007             | TF              | KK717               | 253 (257.6)            | 5.00          | -        | -220       | RNAV 1   |
| 008             | TF              | KK701               | 343 (347.5)            | 5.30          | +5000 ft | -220       | RNAV 1   |
| 009             | TF              | IXUVI               | 073 (077.5)            | 5.00          | +3000 ft | -220       | RNAV 1   |
| 010             | TF              | KK592 (FAF)         | 073 (077.6)            | 1.50          | +3000 ft | -220       | RNAV 1   |

### MEBAN 1H

| SEQUENCE NUMBER | PATH TERMINATOR | WAYPOINT IDENTIFIER | COURSE / TRACK °M (°T) | DISTANCE (NM) | ALTITUDE | SPEED (kt) | NAV SPEC |
|-----------------|-----------------|---------------------|------------------------|---------------|----------|------------|----------|
| 001             | IF              | MABAN               | -                      | -             | -        | -          | RNAV 1   |
| 002             | TF              | EMKUX               | 003 (008.1)            | 12.09         | +FL120   | -          | RNAV 1   |
| 003             | TF              | KK728               | 003 (008.2)            | 7.87          | -        | -          | RNAV 1   |
| 004             | TF              | UVRET               | 003 (008.2)            | 6.52          | -        | -          | RNAV 1   |
| 005             | TF              | KK719               | 343 (347.8)            | 5.30          | +FL90    | -          | RNAV 1   |
| 006             | TF              | KK718               | 253 (257.7)            | 5.00          | -        | -          | RNAV 1   |
| 007             | TF              | KK717               | 253 (257.6)            | 5.00          | -        | -220       | RNAV 1   |
| 008             | TF              | KK701               | 343 (347.5)            | 5.30          | +5000 ft | -220       | RNAV 1   |
| 009             | TF              | IXUVI               | 073 (077.5)            | 5.00          | +3000 ft | -220       | RNAV 1   |
| 010             | TF              | KK592 (FAF)         | 073 (077.6)            | 1.50          | +3000 ft | -220       | RNAV 1   |

### PADKA 1H

| SEQUENCE NUMBER | PATH TERMINATOR | WAYPOINT IDENTIFIER | COURSE / TRACK °M (°T) | DISTANCE (NM) | ALTITUDE | SPEED (kt) | NAV SPEC |
|-----------------|-----------------|---------------------|------------------------|---------------|----------|------------|----------|
| 001             | IF              | PADKA               | -                      | -             | -        | -          | RNAV 1   |
| 002             | TF              | KK727               | 088 (092.6)            | 19.75         | -        | -          | RNAV 1   |
| 003             | TF              | KK726               | 090 (095.4)            | 21.23         | +FL100   | -          | RNAV 1   |
| 004             | TF              | KK724               | 101 (105.5)            | 6.24          | -        | -          | RNAV 1   |
| 005             | TF              | KK723               | 073 (077.6)            | 5.00          | -        | -          | RNAV 1   |
| 006             | TF              | UVRET               | 073 (077.7)            | 5.00          | -        | -          | RNAV 1   |
| 007             | TF              | KK719               | 343 (347.8)            | 5.30          | +FL90    | -          | RNAV 1   |
| 008             | TF              | KK718               | 253 (257.7)            | 5.00          | -        | -          | RNAV 1   |
| 009             | TF              | KK717               | 253 (257.6)            | 5.00          | -        | -220       | RNAV 1   |
| 010             | TF              | KK701               | 343 (347.5)            | 5.30          | +5000 ft | -220       | RNAV 1   |
| 011             | TF              | IXUVI               | 073 (077.5)            | 5.00          | +3000 ft | -220       | RNAV 1   |
| 012             | TF              | KK592 (FAF)         | 073 (077.6)            | 1.50          | +3000 ft | -220       | RNAV 1   |

### NETIR 1H

| SEQUENCE NUMBER | PATH TERMINATOR | WAYPOINT IDENTIFIER | COURSE / TRACK °M (°T) | DISTANCE (NM) | ALTITUDE | SPEED (kt) | NAV SPEC |
|-----------------|-----------------|---------------------|------------------------|---------------|----------|------------|----------|
| 001             | IF              | NETIR               | -                      | -             | -        | -          | RNAV 1   |
| 002             | TF              | KK727               | 009 (013.5)            | 13.79         | -        | -          | RNAV 1   |
| 003             | TF              | KK726               | 090 (095.4)            | 21.23         | +FL100   | -          | RNAV 1   |
| 004             | TF              | KK724               | 101 (105.5)            | 6.24          | -        | -          | RNAV 1   |
| 005             | TF              | KK723               | 073 (077.6)            | 5.00          | -        | -          | RNAV 1   |
| 006             | TF              | UVRET               | 073 (077.7)            | 5.00          | -        | -          | RNAV 1   |
| 007             | TF              | KK719               | 343 (347.8)            | 5.30          | +FL90    | -          | RNAV 1   |
| 008             | TF              | KK718               | 253 (257.7)            | 5.00          | -        | -          | RNAV 1   |
| 009             | TF              | KK717               | 253 (257.6)            | 5.00          | -        | -220       | RNAV 1   |
| 010             | TF              | KK701               | 343 (347.5)            | 5.30          | +5000 ft | -220       | RNAV 1   |
| 011             | TF              | IXUVI               | 073 (077.5)            | 5.00          | +3000 ft | -220       | RNAV 1   |
| 012             | TF              | KK592 (FAF)         | 073 (077.6)            | 1.50          | +3000 ft | -220       | RNAV 1   |

| WAYPOINT IDENTIFIER | COORDINATES  |               |
|---------------------|--------------|---------------|
|                     |              |               |
| BAREX               | 50°53'40.0"N | 018°44'18.0"E |
| EMKUX               | 49°39'15.2"N | 019°41'26.0"E |
| ERPOK               | 49°56'59.8"N | 020°06'55.1"E |
| GOVRI               | 50°06'25.3"N | 021°01'54.0"E |
| INPUM               | 50°39'03.7"N | 018°51'10.6"E |
| IXUVI               | 50°02'45.7"N | 019°33'31.7"E |
| KK592 (FAF)         | 50°03'05.0"N | 019°35'48.2"E |
| KK701               | 50°01'41.2"N | 019°25'57.3"E |
| KK702               | 50°00'36.1"N | 019°18'23.1"E |
| KK703               | 50°05'46.2"N | 019°16'35.6"E |
| KK704               | 50°06'51.3"N | 019°24'10.4"E |
| KK706               | 50°07'56.0"N | 019°31'45.7"E |
| KK707               | 50°12'55.3"N | 019°30'03.0"E |
| KK708               | 50°16'25.1"N | 019°20'29.8"E |
| KK712               | 50°10'05.7"N | 019°47'11.4"E |
| KK714               | 50°11'24.9"N | 019°56'00.0"E |
| KK717               | 49°56'31.0"N | 019°27'43.7"E |
| KK718               | 49°57'35.4"N | 019°35'17.4"E |
| KK719               | 49°58'39.3"N | 019°42'51.4"E |
| KK721               | 50°00'47.0"N | 019°58'10.7"E |
| KK723               | 49°52'25.1"N | 019°37'02.6"E |
| KK724               | 49°51'20.7"N | 019°29'29.8"E |
| KK726               | 49°53'01.0"N | 019°20'12.5"E |
| KK727               | 49°55'04.6"N | 018°47'31.5"E |
| KK728               | 49°47'01.9"N | 019°43'09.7"E |
| KUKAM               | 50°48'22.0"N | 020°03'38.0"E |
| LENOV               | 49°20'11.0"N | 021°00'37.0"E |
| MAPIK               | 50°31'34.0"N | 018°14'51.0"E |
| MEBAN               | 49°27'18.0"N | 019°38'48.0"E |
| MODGU               | 49°44'46.5"N | 020°24'58.0"E |
| NETIR               | 49°41'40.8"N | 018°42'32.4"E |
| ODSOB               | 50°23'09.9"N | 019°01'55.9"E |
| PADKA               | 49°56'02.0"N | 018°16'59.8"E |
| ULNOD               | 50°18'01.4"N | 019°46'14.4"E |
| UPMAK               | 50°41'25.3"N | 019°43'24.5"E |
| UVRET               | 49°53'28.9"N | 019°44'35.9"E |
| XENGO               | 50°16'04.7"N | 020°27'50.5"E |
| XONRA               | 50°44'44.3"N | 018°48'21.4"E |