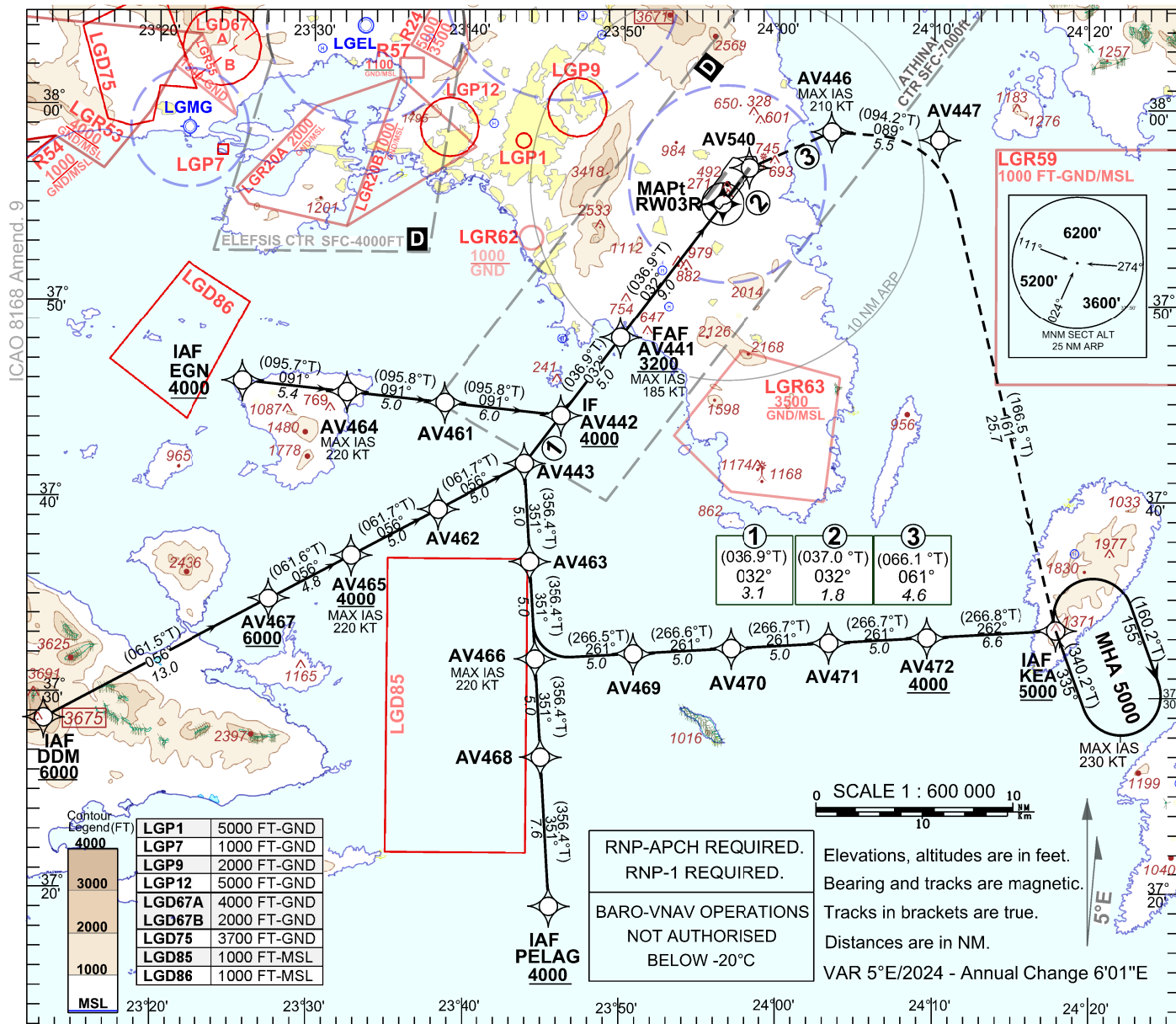
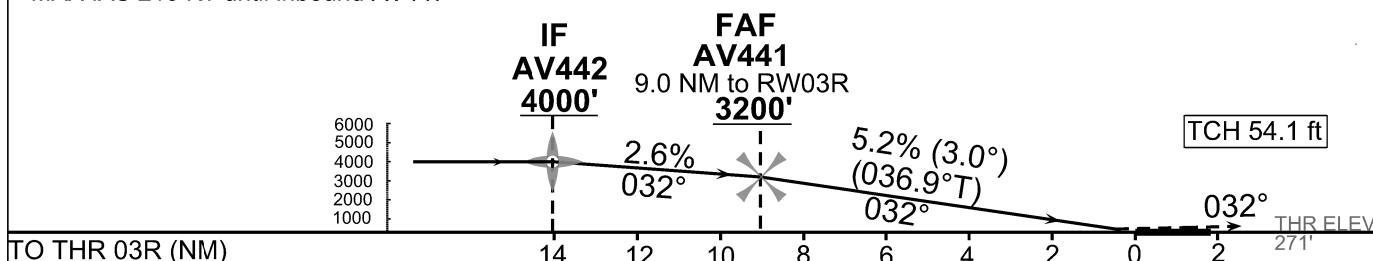


|                 |                         |                       |
|-----------------|-------------------------|-----------------------|
| ATIS<br>136.125 | ARRIVAL WEST<br>132.975 | TOWER WEST<br>136.275 |
|                 | ARRIVAL EAST<br>126.575 | TOWER EAST<br>118.625 |

**MISSED APPROACH:**

Climb on course 032° to AV540; to AV446; to AV447; to KEA climbing 5000 and hold.  
MAX IAS 210 KT until inbound AV447

**TRANSITION ALTITUDE 9000 ft**

| OCA (OCH)                                                 | A             | B             | C     | D | D <sub>L</sub> | Distance THR / RW03R            | 8.0                 | 7.0  | 6.0  | 5.0  | 4.0  | 3.0  | 2.0 |
|-----------------------------------------------------------|---------------|---------------|-------|---|----------------|---------------------------------|---------------------|------|------|------|------|------|-----|
| LNAV                                                      | N / A         |               |       |   |                | Altitude 5.2% Approach          | 2890                | 2570 | 2250 | 1930 | 1610 | 1300 | 980 |
| LNAV/VNAV<br>(ALT/HEIGHT W.R.T.<br>THR RWY 03R ELEVATION) | 777 (506)     |               |       |   |                | GS (kt)                         | 100 135 160 185     |      |      |      |      |      |     |
| LPV<br>(ALT/HEIGHT W.R.T.<br>THR RWY 03R ELEVATION)       | 792 (521)     |               |       |   |                | AV441 - THR (9.0 NM) (MIN:SEC)  | 5:26 4:01 3:23 2:56 |      |      |      |      |      |     |
| Circling<br>(ALT/HEIGHT W.R.T.<br>A/D ELEVATION)          | 1010<br>(702) | 1160<br>(852) | N / A |   |                | Rate of descent (5.2%) (ft/min) | 530 710 850 980     |      |      |      |      |      |     |

**RNPZ RWY 03R**

| INITIAL APCH FROM DDM |                     |                                       |                 |          |               |                |                |                  |                  |                          |     |         |
|-----------------------|---------------------|---------------------------------------|-----------------|----------|---------------|----------------|----------------|------------------|------------------|--------------------------|-----|---------|
| Sequence Number       | Waypoint Identifier | Coordinates                           | Path Terminator | Fly Over | Distance (NM) | Course °M (°T) | Turn Direction | Altitude (FT/FL) | Speed Limit (kt) | Navigation Specification | RNP | REMARKS |
| 010                   | DDM                 | N 37°28'39.6100"<br>E 023°13'01.8100" | IF              | -        | -             | -              | -              | +6000            | -                | RNP APCH                 | 1.0 | IAF     |
| 020                   | AV467               | N 37°34'51.7078"<br>E 023°27'23.9154" | TF              | -        | 13.0          | 056 (061.5)    | -              | +6000            | -                | RNP APCH                 | 1.0 |         |
| 030                   | AV465               | N 37°37'07.3379"<br>E 023°32'39.7651" | TF              | -        | 4.8           | 056 (061.6)    | -              | +4000            | -220             | RNP APCH                 | 1.0 |         |
| 040                   | AV462               | N 37°39'29.7362"<br>E 023°38'12.3131" | TF              | -        | 5.0           | 056 (061.7)    | -              | -                | -                | RNP APCH                 | 1.0 |         |
| 050                   | AV443               | N 37°41'51.8728"<br>E 023°43'45.2138" | TF              | -        | 5.0           | 056 (061.7)    | -              | -                | -                | RNP APCH                 | 1.0 |         |
| 060                   | AV442               | N 37°44'19.2993"<br>E 023°46'04.4922" | TF              | -        | 3.1           | 032 (036.9)    | -              | +4000            | -                | RNP APCH                 | 1.0 | IF      |
| INITIAL APCH FROM EGN |                     |                                       |                 |          |               |                |                |                  |                  |                          |     |         |
| Sequence Number       | Waypoint Identifier | Coordinates                           | Path Terminator | Fly Over | Distance (NM) | Course °M (°T) | Turn Direction | Altitude (FT/FL) | Speed Limit (kt) | Navigation Specification | RNP | REMARKS |
| 010                   | EGN                 | N 37°45'58.3000"<br>E 023°25'34.8700" | IF              | -        | -             | -              | -              | +4000            | -                | RNP APCH                 | 1.0 | IAF     |
| 020                   | AV464               | N 37°45'26.2208"<br>E 023°32'18.2831" | TF              | -        | 5.4           | 091 (095.7)    | -              | -                | -220             | RNP APCH                 | 1.0 |         |
| 030                   | AV461               | N 37°44'55.9409"<br>E 023°38'34.6317" | TF              | -        | 5.0           | 091 (095.8)    | -              | -                | -                | RNP APCH                 | 1.0 |         |
| 040                   | AV442               | N 37°44'19.2993"<br>E 023°46'04.4922" | TF              | -        | 6.0           | 091 (095.8)    | -              | +4000            | -                | RNP APCH                 | 1.0 | IF      |
| INITIAL APCH FROM KEA |                     |                                       |                 |          |               |                |                |                  |                  |                          |     |         |
| Sequence Number       | Waypoint Identifier | Coordinates                           | Path Terminator | Fly Over | Distance (NM) | Course °M (°T) | Turn Direction | Altitude (FT/FL) | Speed Limit (kt) | Navigation Specification | RNP | REMARKS |
| 010                   | KEA                 | N 37°33'25.7900"<br>E 024°17'55.3200" | IF              | -        | -             | -              | -              | +5000            | -                | RNP APCH                 | 1.0 | IAF     |
| 020                   | AV472               | N 37°33'03.4845"<br>E 024°09'38.2506" | TF              | -        | 6.6           | 262 (266.8)    | -              | +4000            | -                | RNP APCH                 | 1.0 |         |
| 030                   | AV471               | N 37°32'46.1948"<br>E 024°03'21.6360" | TF              | -        | 5.0           | 261 (266.7)    | -              | -                | -                | RNP APCH                 | 1.0 |         |
| 040                   | AV470               | N 37°32'28.5714"<br>E 023°57'05.0703" | TF              | -        | 5.0           | 261 (266.7)    | -              | -                | -                | RNP APCH                 | 1.0 |         |
| 050                   | AV469               | N 37°32'10.6145"<br>E 023°50'48.5543" | TF              | -        | 5.0           | 261 (266.6)    | -              | -                | -                | RNP APCH                 | 1.0 |         |
| 060                   | AV466               | N 37°31'52.3241"<br>E 023°44'32.0889" | TF              | -        | 5.0           | 261 (266.5)    | -              | -                | -220             | RNP APCH                 | 1.0 |         |
| 070                   | AV463               | N 37°36'52.1012"<br>E 023°44'08.6775" | TF              | -        | 5.0           | 351 (356.4)    | -              | -                | -                | RNP APCH                 | 1.0 |         |
| 080                   | AV443               | N 37°41'51.8728"<br>E 023°43'45.2138" | TF              | -        | 5.0           | 351 (356.4)    | -              | -                | -                | RNP APCH                 | 1.0 |         |
| 090                   | AV442               | N 37°44'19.2993"<br>E 023°46'04.4922" | TF              | -        | 3.1           | 032 (036.9)    | -              | +4000            | -                | RNP APCH                 | 1.0 | IF      |

| INITIAL APCH FROM PELAG     |                     |                                       |                 |          |               |                |                |                  |                  |                          |     |                  |
|-----------------------------|---------------------|---------------------------------------|-----------------|----------|---------------|----------------|----------------|------------------|------------------|--------------------------|-----|------------------|
| Sequence Number             | Waypoint Identifier | Coordinates                           | Path Terminator | Fly Over | Distance (NM) | Course °M (°T) | Turn Direction | Altitude (FT/FL) | Speed Limit (kt) | Navigation Specification | RNP | REMARKS          |
| 010                         | PELAG               | N 37°19'15.0000"<br>E 023°45'31.0000" | IF              | -        | -             | -              | -              | +4000            | -                | RNP APCH                 | 1.0 | IAF              |
| 020                         | AV468               | N 37°26'52.5415"<br>E 023°44'55.4483" | TF              | -        | 7.6           | 351 (356.5)    | -              | -                | -                | RNP APCH                 | 1.0 |                  |
| 030                         | AV466               | N 37°31'52.3241"<br>E 023°44'32.0889" | TF              | -        | 5.0           | 351 (356.4)    | -              | -                | -220             | RNP APCH                 | 1.0 |                  |
| 040                         | AV463               | N 37°36'52.1012"<br>E 023°44'08.6775" | TF              | -        | 5.0           | 351 (356.4)    | -              | -                | -                | RNP APCH                 | 1.0 |                  |
| 050                         | AV443               | N 37°41'51.8728"<br>E 023°43'45.2138" | TF              | -        | 5.0           | 351 (356.4)    | -              | -                | -                | RNP APCH                 | 1.0 |                  |
| 060                         | AV442               | N 37°44'19.2993"<br>E 023°46'04.4922" | TF              | -        | 3.1           | 032 (036.9)    | -              | +4000            | -                | RNP APCH                 | 1.0 | IF               |
| FINAL APCH                  |                     |                                       |                 |          |               |                |                |                  |                  |                          |     |                  |
| Sequence Number             | Waypoint Identifier | Coordinates                           | Path Terminator | Fly Over | Distance (NM) | Course °M (°T) | Turn Direction | Altitude (FT/FL) | Speed Limit (kt) | Navigation Specification | RNP | REMARKS          |
| 010                         | AV442               | N 37°44'19.2993"<br>E 023°46'04.4922" | IF              | -        | -             | -              | -              | +4000            | -                | RNP APCH                 | 1.0 | IF               |
| 020                         | AV441               | N 37°48'19.4245"<br>E 023°49'51.7695" | TF              | -        | 5.0           | 032 (036.9)    | -              | +3200            | -185             | RNP APCH                 | 0.3 | FAF              |
| 030                         | RW03R               | N 37°55'33.3551"<br>E 023°56'43.8229" | TF              | Y        | 9.0           | 032 (036.9)    | -              | -                | -                | RNP APCH                 | 0.3 | MAPt (LNAV only) |
| MISSED APCH                 |                     |                                       |                 |          |               |                |                |                  |                  |                          |     |                  |
| Sequence Number             | Waypoint Identifier | Coordinates                           | Path Terminator | Fly Over | Distance (NM) | Course °M (°T) | Turn Direction | Altitude (FT/FL) | Speed Limit (kt) | Navigation Specification | RNP | REMARKS          |
| 010                         | AV540               | N 37°57'01.4263"<br>E 023°58'07.6164" | CF              | -        | 1.8           | 032 (037.0)    | -              | -                | -                | RNP APCH                 | 1.0 |                  |
| 020                         | AV446               | N 37°58'52.3743"<br>E 024°03'24.7880" | TF              | -        | 4.6           | 061 (066.1)    | -              | -                | -210             | RNP APCH                 | 1.0 |                  |
| 030                         | AV447               | N 37°58'28.2038"<br>E 024°10'20.9522" | TF              | -        | 5.5           | 089 (094.2)    | -              | -                | -                | RNP APCH                 | 1.0 |                  |
| 040                         | KEA                 | N 37°33'25.7900"<br>E 024°17'55.3200" | TF              | -        | 25.7          | 161 (166.5)    | -              | @5000            | -                | RNP APCH                 | 1.0 |                  |
| RNAV HOLDING IDENTIFICATION |                     |                                       |                 |          |               |                |                |                  |                  |                          |     |                  |
| Sequence Number             | Waypoint Identifier | Coordinates                           | Path Terminator | Fly Over | Distance (NM) | Course °M (°T) | Turn Direction | Altitude (FT/FL) | Speed Limit (kt) | Navigation Specification | RNP | REMARKS          |
| 010                         | KEA                 | N 37°33'25.7900"<br>E 024°17'55.3200" | HM              | Y        | -             | 335 (340.2)    | R              | +5000            | -230             | RNAV 1                   | 1.0 |                  |

**FAS Data Block Information (LPV CAT I)**

|                                     |               |
|-------------------------------------|---------------|
| Operation Type                      | 0             |
| SBAS Provider                       | 1 (EGNOS)     |
| Airport Identifier                  | LGAV          |
| Runway                              | 03            |
| Runway Letter                       | 1 (Right)     |
| Approach Performance Designator     | 0             |
| Route Indicator                     | Z             |
| Reference Path Data Selector        | 0             |
| Reference Path Identifier           | E03B          |
| LTP/FTP Latitude                    | 375533.3550N  |
| LTP/FTP Longitude                   | 0235643.8230E |
| LTP/FTP Ellipsoidal Height (metres) | 121.3         |
| FPAP Latitude                       | 375708.6825N  |
| Delta FPAP Latitude (seconds)       | 95.3275       |
| FPAP Longitude                      | 0235814.5230E |
| Delta FPAP Longitude (seconds)      | 90.7000       |
| Threshold Crossing Height           | 54.1          |
| TCH Units Selector                  | 0 (feet)      |
| Glidepath Angle (degrees)           | 3.00          |
| Course Width (metres)               | 105.00        |
| Length Offset (metres)              | 288           |
| HAL (metres)                        | 40.0          |
| VAL (metres)                        | 35.0          |

**Output data**

|                      |                                                                                                                                  |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Data Block           | 10 16 01 07 0C 43 D0 00 02 33<br>30 05 D6 AA 46 10 5E BB 46 0A<br>BD 18 BF E8 02 98 C4 02 1D 02<br>2C 01 64 24 C8 AF B2 DA EE 5D |
| Calculated CRC Value | B2DAEE5D                                                                                                                         |

**Required Additional Data**

|                                     |      |
|-------------------------------------|------|
| ICAO Code                           | LG   |
| LTP/FTP Orthometric Height (metres) | 38.8 |

*EUROCONTROL FAS DB tool Version 3.2.1*