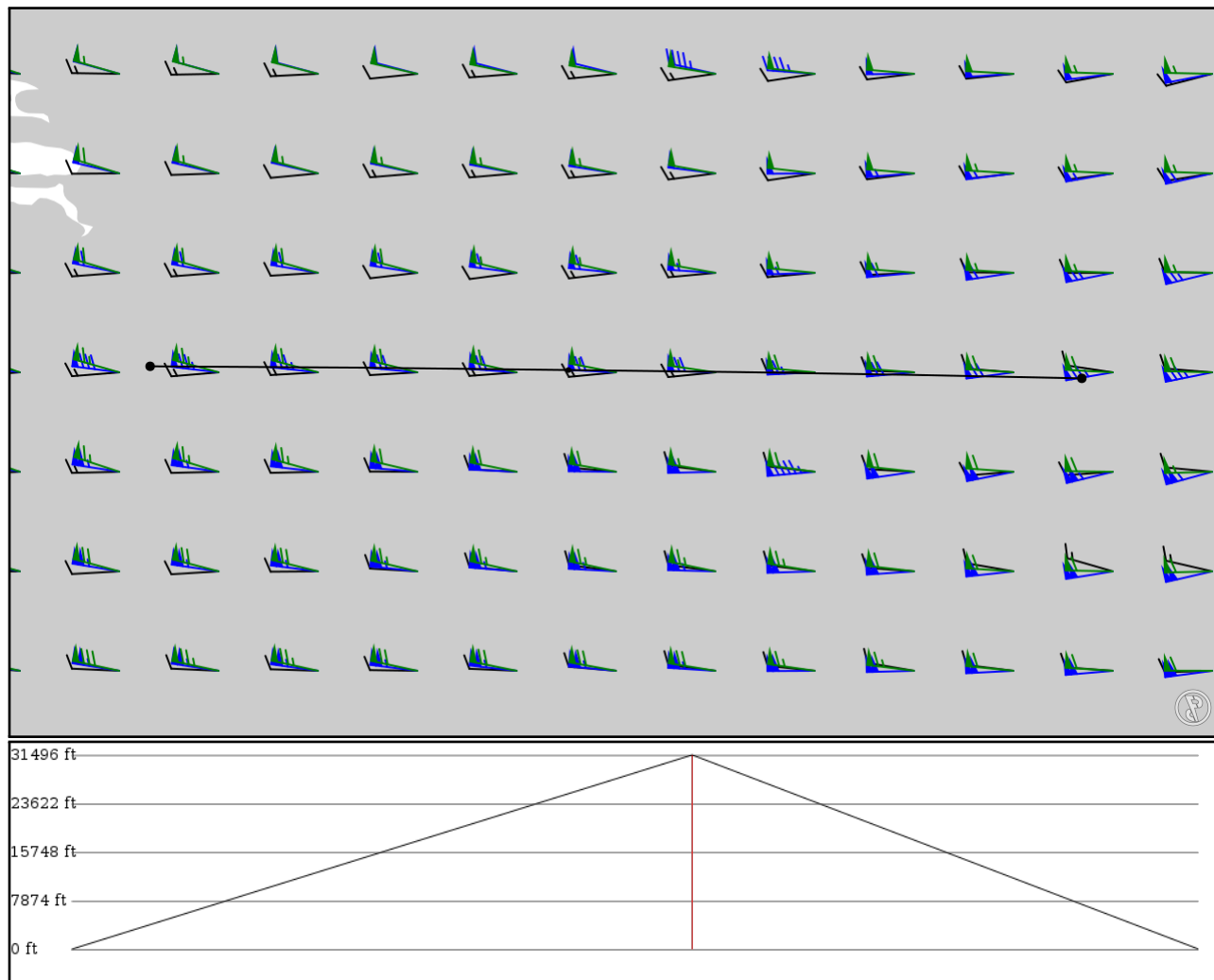


2024/06/05 0957Z

EDDK MAS12 EBBR

100.28 nm / 185.72 km



## Notes

Basic altitude profile:

- Ascent Rate: 2500ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 35000ft
- Cruise Speed: 420kts
- Descent Rate: 1500ft/min
- Descent Speed: 250kts

Options:

- Use NATs: yes
- Use PACOTS: yes
- Use low airways: yes
- Use high airways: yes



## Route

| Ident<br>Type | Via | Lat<br>Lon | Alt      | Dist<br>(nm) | Name             |
|---------------|-----|------------|----------|--------------|------------------|
| EDDK          | -   | 50.86580   | 0 ft     | -            | Koln Bonn        |
| APT           | -   | 7.13890    | 0 m      |              |                  |
| MAS12         | -   | 50.88945   | 9,600 ft | 55           | -                |
| FIX           | -   | 5.68083    | 2,926 m  |              |                  |
| EBBR          | -   | 50.89995   | 0 ft     | 45           | Brussels Airport |
| APT           | -   | 4.49281    | 0 m      |              |                  |

## EDDK

Region: GERMANY - CIVIL  
Timezone: EUROPE/BERLIN  
Runways: 3

Elevation: 296 ft / 90 m  
Location: 50.865800 7.138910  
Magnetic Var: 2.797 E

## METAR

EDDK 050920Z AUTO 33007KT 9999 -SHRA BKN007 BKN017 BKN030 FEW///CB 14/12 Q1013 RERA BECMG BKN015

## TAF

TAF AMD EDDK 050909Z 0509/0612 28007KT 9999 BKN030 PROB30 TEMPO 0509/0512 3000 RA BKN009 PROB40 TEMPO 0512/0516 28

## Frequencies

|  |  |
|--|--|
| REC - 112.15 MHz - ATIS                | CLD - 121.85 MHz - KOELN BONN DELIVERY |
| GND - 121.72 MHz - KOELN BONN GROUND   | GND - 121.95 MHz - KOELN BONN APRON    |
| TWR - 124.97 MHz - KOELN BONN TOWER    | TWR - 136.25 MHz - KOELN BONN MILITARY |
| APP - 118.75 MHz - LANGEN RADAR        | APP - 135.35 MHz - LANGEN RADAR        |
| APP - 121.05 MHz - KOELN BONN DIRECTOR |  |

## Runways

| Ident | Width  | Length    | Bearing (true)<br>(mag) | Surface | Threshold<br>Offset | Overrun<br>Length |
|-------|--------|-----------|-------------------------|---------|---------------------|-------------------|
| 14L   | 197 ft | 12,495 ft | 137.55                  | ASPHALT | 0 ft                | 0 ft              |
|       | 60 m   | 3,808 m   | 134.75                  |         | 0 m                 | 0 m               |
| 32R   | 197 ft | 12,495 ft | 317.58                  | ASPHALT | 0 ft                | 0 ft              |
|       | 60 m   | 3,808 m   | 314.78                  |         | 0 m                 | 0 m               |
| 06    | 148 ft | 8,045 ft  | 64.33                   | ASPHALT | 0 ft                | 0 ft              |
|       | 45 m   | 2,452 m   | 61.54                   |         | 0 m                 | 0 m               |
| 24    | 148 ft | 8,045 ft  | 244.36                  | ASPHALT | 0 ft                | 0 ft              |
|       | 45 m   | 2,452 m   | 241.56                  |         | 0 m                 | 0 m               |
| 14R   | 148 ft | 6,104 ft  | 137.56                  | ASPHALT | 0 ft                | 0 ft              |
|       | 45 m   | 1,860 m   | 134.77                  |         | 0 m                 | 0 m               |
| 32L   | 148 ft | 6,104 ft  | 317.58                  | ASPHALT | 0 ft                | 0 ft              |
|       | 45 m   | 1,860 m   | 314.78                  |         | 0 m                 | 0 m               |

## Approach Nav aids

| Runway | Type    | Ident | Frequency  | Range | Bearing (true)<br>(mag) | Slope | Elevation |
|--------|---------|-------|------------|-------|-------------------------|-------|-----------|
| 14L    | LOC-ILS | IKES  | 110.90 MHz | 18 nm | 137.57                  | -     | 296 ft    |
|        |         |       |            | 33 km | 134.77                  |       | 296 m     |
| 24     | LOC-ILS | IKOW  | 109.10 MHz | 18 nm | 244.35                  | -     | 296 ft    |
|        |         |       |            | 33 km | 241.55                  |       | 296 m     |
| 32R    | LOC-ILS | IKEN  | 111.10 MHz | 18 nm | 317.57                  | -     | 296 ft    |
|        |         |       |            | 33 km | 314.77                  |       | 296 m     |
| 14L    | GS      | IKES  | 110.90 MHz | 10 nm | 137.57                  | 3.00  | 296 ft    |
|        |         |       |            | 19 km | 134.77                  |       | 296 m     |
| 24     | GS      | IKOW  | 109.10 MHz | 10 nm | 244.35                  | 3.00  | 296 ft    |
|        |         |       |            | 19 km | 241.55                  |       | 296 m     |
| 32R    | GS      | IKEN  | 111.10 MHz | 10 nm | 317.57                  | 3.00  | 296 ft    |
|        |         |       |            | 19 km | 314.77                  |       | 296 m     |

## EBBR

Region: BELGIUM  
Timezone: EUROPE/BRUSSELS  
Runways: 3

Elevation: 184 ft / 56 m  
Location: 50.899900 4.492770  
Magnetic Var: 2.012 E

## METAR

EBBR 050920Z 27007KT 220V310 9999 SCT032 16/07 Q1014 NOSIG

## TAF

TAF TAF EBBR 050515Z 0506/0612 30008KT 9999 SCT020 SCT030

## Frequencies

REC - 121.75 MHz - ATIS DEP  
COM - 130.55 MHz - ABELAG UNICOM  
GND - 118.05 MHz -  
GND - 121.87 MHz -  
TWR - 120.77 MHz -  
APP - 120.10 MHz -  
DEP - 126.62 MHz -

REC - 132.47 MHz - ATIS ARR  
CLD - 121.95 MHz - CLNC DEL  
GND - 121.70 MHz -  
TWR - 118.60 MHz -  
APP - 118.25 MHz -  
APP - 122.50 MHz -

## Runways

| Ident | Width  | Length    | Bearing (true)<br>(mag) | Surface | Threshold<br>Offset | Overrun<br>Length |
|-------|--------|-----------|-------------------------|---------|---------------------|-------------------|
| 07L   | 148 ft | 11,917 ft | 65.37                   | ASPHALT | 843 ft              | 72 ft             |
|       | 45 m   | 3,632 m   | 63.36                   |         | 257 m               | 22 m              |
| 25R   | 148 ft | 11,917 ft | 245.41                  | ASPHALT | 981 ft              | 0 ft              |
|       | 45 m   | 3,632 m   | 243.40                  |         | 299 m               | 0 m               |
| 07R   | 148 ft | 10,522 ft | 69.88                   | ASPHALT | 407 ft              | 0 ft              |
|       | 45 m   | 3,207 m   | 67.86                   |         | 124 m               | 0 m               |
| 25L   | 148 ft | 10,522 ft | 249.91                  | ASPHALT | 0 ft                | 13 ft             |
|       | 45 m   | 3,207 m   | 247.90                  |         | 0 m                 | 4 m               |
| 01    | 164 ft | 9,810 ft  | 14.44                   | ASPHALT | 157 ft              | 0 ft              |
|       | 50 m   | 2,990 m   | 12.43                   |         | 48 m                | 0 m               |
| 19    | 164 ft | 9,810 ft  | 194.45                  | ASPHALT | 722 ft              | 43 ft             |
|       | 50 m   | 2,990 m   | 192.44                  |         | 220 m               | 13 m              |

## Approach Nav aids

| Runway | Type    | Ident | Frequency  | Range | Bearing (true)<br>(mag) | Slope | Elevation |
|--------|---------|-------|------------|-------|-------------------------|-------|-----------|
| 01     | DME     | IBX   | 109.90 MHz | 18 nm | -                       | -     | 184 ft    |
|        |         |       |            | 33 km | -                       |       | 184 m     |
| 19     | DME     | IBM   | 111.15 MHz | 18 nm | -                       | -     | 184 ft    |
|        |         |       |            | 33 km | -                       |       | 184 m     |
| 25R    | DME     | IBR   | 108.90 MHz | 18 nm | -                       | -     | 184 ft    |
|        |         |       |            | 33 km | -                       |       | 184 m     |
| 01     | LOC-ILS | IBX   | 109.90 MHz | 18 nm | 14.45                   | -     | 184 ft    |
|        |         |       |            | 33 km | 12.44                   |       | 184 m     |
| 19     | LOC-ILS | IBM   | 111.15 MHz | 18 nm | 194.45                  | -     | 184 ft    |
|        |         |       |            | 33 km | 192.44                  |       | 184 m     |
| 25L    | LOC-ILS | IBL   | 110.35 MHz | 18 nm | 249.89                  | -     | 184 ft    |
|        |         |       |            | 33 km | 247.88                  |       | 184 m     |
| 25R    | LOC-ILS | IBR   | 108.90 MHz | 18 nm | 245.39                  | -     | 184 ft    |
|        |         |       |            | 33 km | 243.38                  |       | 184 m     |

| Runway | Type | Ident | Frequency  | Range | Bearing (true)<br>(mag) | Slope | Elevation |
|--------|------|-------|------------|-------|-------------------------|-------|-----------|
| 01     | GS   | IBX   | 109.90 MHz | 10 nm | 14.45                   | 3.00  | 184 ft    |
|        |      |       |            | 19 km | 12.44                   |       | 184 m     |
| 19     | GS   | IBM   | 111.15 MHz | 10 nm | 194.45                  | 3.00  | 184 ft    |
|        |      |       |            | 19 km | 192.44                  |       | 184 m     |
| 25L    | GS   | IBL   | 110.35 MHz | 10 nm | 249.89                  | 3.00  | 184 ft    |
|        |      |       |            | 19 km | 247.88                  |       | 184 m     |
| 25R    | GS   | IBR   | 108.90 MHz | 10 nm | 245.39                  | 3.00  | 184 ft    |
|        |      |       |            | 19 km | 243.38                  |       | 184 m     |