

# ENGM

Oslo Gardermoen

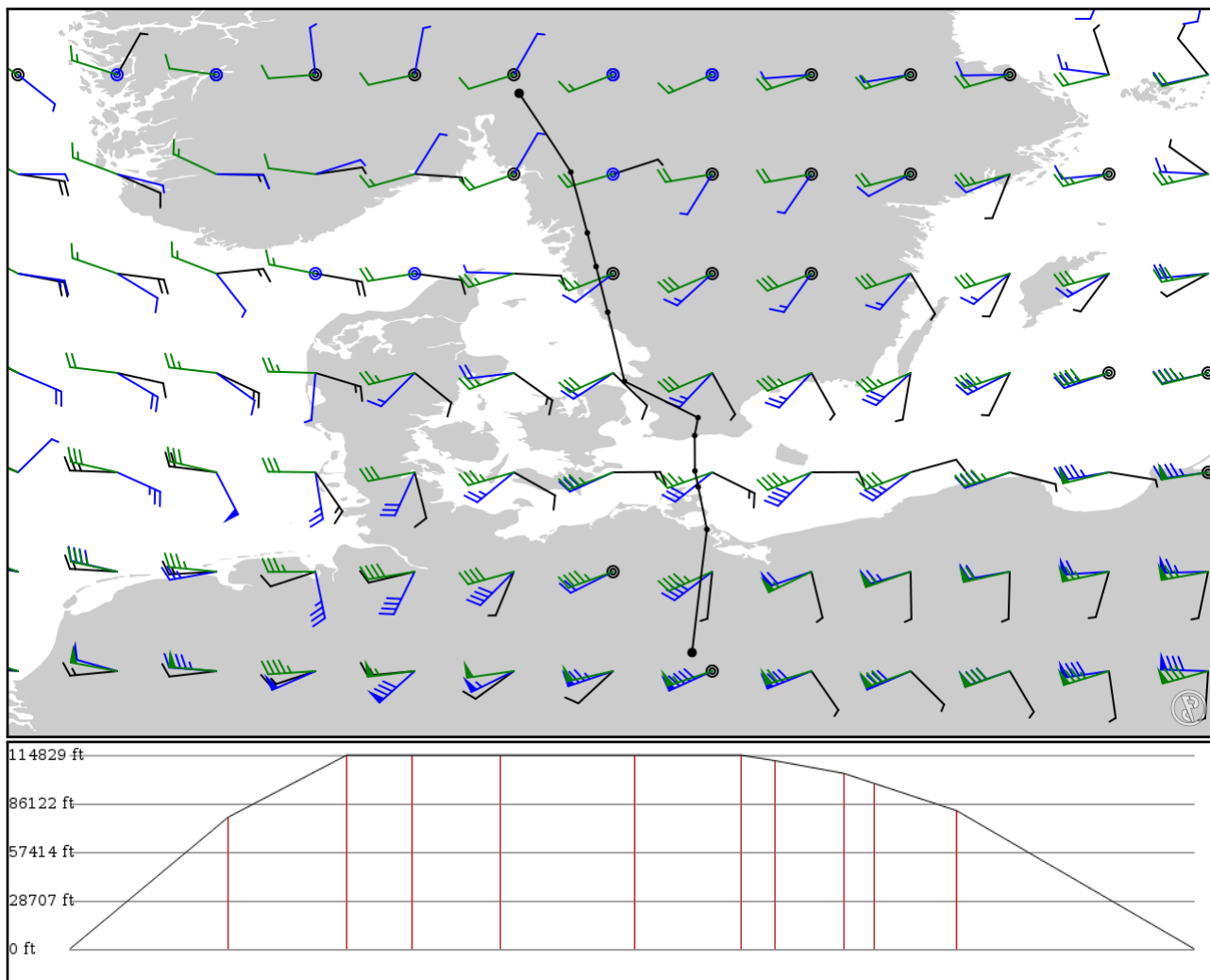
# EDDB

Berlin Schoenefeld

2024/05/08 1009Z

ENGM OSLOB **UL996** SVD **UL621** MAXUM **UM736** ALM **UZ400** PENET EDDB

491.00 nm / 909.33 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               |
|---------------|--------|------------|-----------|--------------|--------------------|
| ENGM          | -      | 60.19451   | 0 ft      | -            | Oslo Gardermoen    |
| APT           | -      | 11.09900   | 0 m       | -            |                    |
| OSLOB         | -      | 59.09444   | 23,800 ft | 69           | -                  |
| FIX           | -      | 11.82294   | 7,254 m   | -            |                    |
| KELIN         | UL996  | 58.24358   | 35,000 ft | 51           | -                  |
| FIX           | AWY-HI | 12.05417   | 10,668 m  | -            |                    |
| LALIL         | UL996  | 57.77347   | 35,000 ft | 28           | -                  |
| FIX           | AWY-HI | 12.17719   | 10,668 m  | -            |                    |
| TOPLA         | UL996  | 57.13586   | 35,000 ft | 38           | -                  |
| FIX           | AWY-HI | 12.33894   | 10,668 m  | -            |                    |
| SVD           | UL996  | 56.16886   | 35,000 ft | 58           | SVEDA VOR-DME      |
| VOR           | AWY-HI | 12.57378   | 10,668 m  | -            |                    |
| MAXUM         | UL621  | 55.66125   | 35,000 ft | 46           | -                  |
| FIX           | AWY-HI | 13.60400   | 10,668 m  | -            |                    |
| ALM           | UM736  | 55.41131   | 34,000 ft | 15           | ALMA VOR           |
| VOR           | AWY-HI | 13.55753   | 10,363 m  | -            |                    |
| BAKLI         | UZ400  | 54.91667   | 31,700 ft | 29           | -                  |
| FIX           | AWY-HI | 13.56078   | 9,662 m   | -            |                    |
| ARGAD         | UZ400  | 54.69333   | 29,900 ft | 13           | -                  |
| FIX           | AWY-HI | 13.60750   | 9,114 m   | -            |                    |
| PENET         | UZ400  | 54.10028   | 25,000 ft | 35           | -                  |
| FIX           | AWY-HI | 13.72889   | 7,620 m   | -            |                    |
| EDDB          | -      | 52.37854   | 0 ft      | 103          | Berlin Schoenefeld |
| APT           | -      | 13.52063   | 0 m       | -            |                    |

## ENGM

Region: NORWAY  
Timezone: EUROPE/OSLO  
Runways: 2

Elevation: 681 ft / 208 m  
Location: 60.194500 11.098900  
Magnetic Var: 4.480 E

## METAR

ENGM 080920Z 01009KT 9999 SCT047 BKN053 13/06 Q1023 NOSIG

## TAF

TAF ENGM 080500Z 0806/0906 01003KT 9999 FEW040 SCT080 PROB40 TEMPO 0810/0815 SHRA BKN020 FEW030CB BECMG 0813/0815

## Frequencies

REC - 126.12 MHz - GARDERMOEN ARRIVAL INFORMATION  
CLD - 121.67 MHz - GARDERMOEN DELIVERY WEST  
GND - 121.75 MHz - GARDERMOEN GROUND  
GND - 121.90 MHz - GARDERMOEN GROUND EAST  
TWR - 120.10 MHz - GARDERMOEN TOWER  
APP - 120.45 MHz - OSLO APPROACH

REC - 127.15 MHz - GARDERMOEN DEPARTURE INFORMATION  
CLD - 121.92 MHz - GARDERMOEN DELIVERY EAST  
GND - 121.60 MHz - GARDERMOEN GROUND WEST  
TWR - 118.30 MHz - GARDERMOEN TOWER  
APP - 118.47 MHz - OSLO APPROACH

## Runways

| Ident | Width  | Length    | Bearing (true)<br>(mag) | Surface | Threshold<br>Offset | Overrun<br>Length |
|-------|--------|-----------|-------------------------|---------|---------------------|-------------------|
| 01R   | 148 ft | 9,664 ft  | 16.01                   | ASPHALT | 0 ft                | 486 ft            |
|       | 45 m   | 2,946 m   | 11.53                   |         | 0 m                 | 148 m             |
| 19L   | 148 ft | 9,664 ft  | 196.02                  | ASPHALT | 0 ft                | 489 ft            |
|       | 45 m   | 2,946 m   | 191.54                  |         | 0 m                 | 149 m             |
| 01L   | 148 ft | 11,797 ft | 15.99                   | ASPHALT | 0 ft                | 423 ft            |
|       | 45 m   | 3,596 m   | 11.51                   |         | 0 m                 | 129 m             |
| 19R   | 148 ft | 11,797 ft | 196.01                  | ASPHALT | 0 ft                | 486 ft            |
|       | 45 m   | 3,596 m   | 191.53                  |         | 0 m                 | 148 m             |

## Approach Nav aids

| Runway | Type    | Ident | Frequency  | Range | Bearing (true)<br>(mag) | Slope | Elevation |
|--------|---------|-------|------------|-------|-------------------------|-------|-----------|
| 01L    | DME     | OBW   | 110.30 MHz | 18 nm | -                       | -     | 709 ft    |
|        |         |       |            | 33 km | -                       |       | 709 m     |
| 01R    | DME     | ONE   | 111.95 MHz | 18 nm | -                       | -     | 723 ft    |
|        |         |       |            | 33 km | -                       |       | 723 m     |
| 19L    | DME     | GME   | 110.55 MHz | 18 nm | -                       | -     | 729 ft    |
|        |         |       |            | 33 km | -                       |       | 729 m     |
| 19R    | DME     | GSW   | 111.30 MHz | 18 nm | -                       | -     | 727 ft    |
|        |         |       |            | 33 km | -                       |       | 727 m     |
| 01L    | LOC-ILS | OBW   | 110.30 MHz | 18 nm | 16.00                   | -     | 681 ft    |
|        |         |       |            | 33 km | 11.52                   |       | 681 m     |
| 01R    | LOC-ILS | ONE   | 111.95 MHz | 18 nm | 16.04                   | -     | 681 ft    |
|        |         |       |            | 33 km | 11.56                   |       | 681 m     |
| 19L    | LOC-ILS | GME   | 110.55 MHz | 18 nm | 196.04                  | -     | 681 ft    |
|        |         |       |            | 33 km | 191.56                  |       | 681 m     |
| 19R    | LOC-ILS | GSW   | 111.30 MHz | 18 nm | 196.00                  | -     | 681 ft    |
|        |         |       |            | 33 km | 191.52                  |       | 681 m     |
| 01L    | GS      | OBW   | 110.30 MHz | 10 nm | 16.00                   | 3.00  | 681 ft    |
|        |         |       |            | 19 km | 11.52                   |       | 681 m     |
| 01R    | GS      | ONE   | 111.95 MHz | 10 nm | 16.04                   | 3.00  | 681 ft    |
|        |         |       |            | 19 km | 11.56                   |       | 681 m     |

| Runway | Type | Ident | Frequency  | Range | Bearing (true)<br>(mag) | Slope | Elevation |
|--------|------|-------|------------|-------|-------------------------|-------|-----------|
| 19L    | GS   | GME   | 110.55 MHz | 10 nm | 196.04                  | 3.00  | 681 ft    |
|        |      |       |            | 19 km | 191.56                  |       | 681 m     |
| 19R    | GS   | GSW   | 111.30 MHz | 10 nm | 196.00                  | 3.00  | 681 ft    |
|        |      |       |            | 19 km | 191.52                  |       | 681 m     |

## EDDB

Region: GERMANY - CIVIL  
Timezone: EUROPE/BERLIN  
Runways: 2

Elevation: 157 ft / 48 m  
Location: 52.362300 13.500700  
Magnetic Var: 4.654 E

## METAR

EDDB 080920Z AUTO 06008KT 010V100 CAVOK 16/04 Q1025 NOSIG

## TAF

TAF TAF EDDB 080500Z 0806/0906 05006KT CAVOK

## Frequencies

|                                       |   |
|---------------------------------------|---|
| REC - 123.77 MHz - ATIS               | GND - 121.70 MHz - BERLIN GROUND E        |
| GND - 129.50 MHz - BERLIN GROUND A    | GND - 129.60 MHz - BERLIN APRON NORTH     |
| GND - 121.85 MHz - BERLIN APRON SOUTH | TWR - 120.02 MHz - BERLIN TOWER NORTH     |
| TWR - 118.80 MHz - BERLIN TOWER SOUTH | TWR - 118.85 MHz - BERLIN TOWER ALTERNATE |
| APP - 121.12 MHz - BERLIN DIRECTOR    | APP - 136.10 MHz - BERLIN DIRECTOR        |
| CLD - 121.60 MHz - BERLIN DELIVERY    | APP - 119.62 MHz - BREMEN RADAR           |
| APP - 120.62 MHz - BREMEN RADAR       | APP - 126.42 MHz - BREMEN RADAR           |
| APP - 119.50 MHz - BREMEN RADAR       | APP - 134.42 MHz - BREMEN RADAR           |

## Runways

| Ident | Width  | Length    | Bearing (true)<br>(mag) | Surface  | Threshold<br>Offset | Overrun<br>Length |
|-------|--------|-----------|-------------------------|----------|---------------------|-------------------|
| 07R   | 197 ft | 13,088 ft | 68.74                   | CONCRETE | 0 ft                | 0 ft              |
|       | 60 m   | 3,989 m   | 64.09                   |          | 0 m                 | 0 m               |
| 25L   | 197 ft | 13,088 ft | 248.78                  | CONCRETE | 0 ft                | 0 ft              |
|       | 60 m   | 3,989 m   | 244.13                  |          | 0 m                 | 0 m               |
| 07L   | 148 ft | 11,780 ft | 68.75                   | ASPHALT  | 981 ft              | 0 ft              |
|       | 45 m   | 3,591 m   | 64.10                   |          | 299 m               | 0 m               |
| 25R   | 148 ft | 11,780 ft | 248.79                  | ASPHALT  | 981 ft              | 0 ft              |
|       | 45 m   | 3,591 m   | 244.13                  |          | 299 m               | 0 m               |

## Approach Nav aids

| Runway | Type    | Ident | Frequency  | Range | Bearing (true)<br>(mag) | Slope | Elevation |
|--------|---------|-------|------------|-------|-------------------------|-------|-----------|
| 07L    | LOC-ILS | IBNE  | 110.70 MHz | 18 nm | 68.77                   | -     | 157 ft    |
|        |         |       |            | 33 km | 64.12                   |       | 157 m     |
| 07R    | LOC-ILS | IBSE  | 109.70 MHz | 18 nm | 68.77                   | -     | 157 ft    |
|        |         |       |            | 33 km | 64.12                   |       | 157 m     |
| 25L    | LOC-ILS | IBSW  | 109.50 MHz | 18 nm | 248.77                  | -     | 157 ft    |
|        |         |       |            | 33 km | 244.12                  |       | 157 m     |
| 25R    | LOC-ILS | IBNW  | 109.90 MHz | 18 nm | 248.77                  | -     | 157 ft    |
|        |         |       |            | 33 km | 244.12                  |       | 157 m     |
| 07L    | GS      | IBNE  | 110.70 MHz | 10 nm | 68.77                   | 3.00  | 157 ft    |
|        |         |       |            | 19 km | 64.12                   |       | 157 m     |
| 07R    | GS      | IBSE  | 109.70 MHz | 10 nm | 68.77                   | 3.00  | 157 ft    |
|        |         |       |            | 19 km | 64.12                   |       | 157 m     |
| 25L    | GS      | IBSW  | 109.50 MHz | 10 nm | 248.77                  | 3.00  | 157 ft    |
|        |         |       |            | 19 km | 244.12                  |       | 157 m     |
| 25R    | GS      | IBNW  | 109.90 MHz | 10 nm | 248.77                  | 3.00  | 157 ft    |
|        |         |       |            | 19 km | 244.12                  |       | 157 m     |