

# ENGM

Oslo Gardermoen

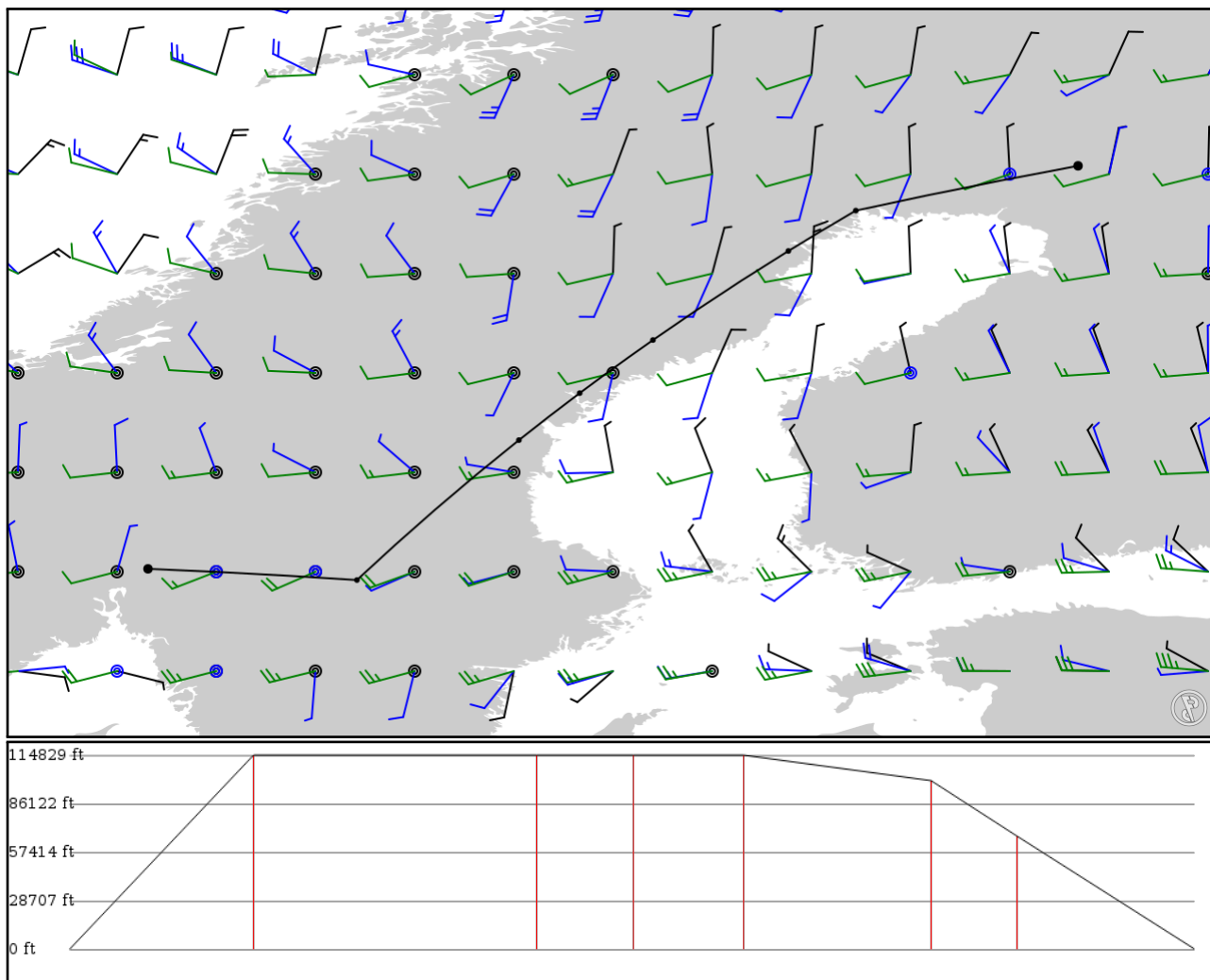
# EFRO

Rovaniemi

2024/05/23 0245Z

ENGM MEGEN **M852** BESLA EFRO

606.00 nm / 1122.32 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 Type	Via	Lat Lon	Alt	Dist (nm)	Name
ENGM APT	-	60.19451 11.09900	0 ft 0 m	-	Oslo Gardermoen
MEGEN FIX	-	60.01833 14.40856	35,000 ft 10,668 m	99	-
DETMO FIX	M852 AWY-LO	62.22975 16.97428	35,000 ft 10,668 m	152	-
BAKIL FIX	M852 AWY-LO	62.97222 17.93678	35,000 ft 10,668 m	51	-
RASEN FIX	M852 AWY-LO	63.81181 19.09756	35,000 ft 10,668 m	59	-
RISEM FIX	M852 AWY-LO	65.21906 21.24211	30,400 ft 9,266 m	101	-
BESLA FIX	M852 AWY-LO	65.85753 22.31025	20,400 ft 6,218 m	46	-
EFRO APT	-	66.56482 25.83042	0 ft 0 m	95	Rovaniemi

## ENGM

Region: NORWAY  
Timezone: EUROPE/OSLO  
Runways: 2

Elevation: 681 ft / 208 m  
Location: 60.194500 11.098900  
Magnetic Var: 4.486 E

## METAR

ENGM 230220Z 03004KT CAVOK 11/04 Q1020

## TAF

TAF ENGM 222300Z 2300/2324 13010KT CAVOK BECMG 2300/2302 03007KT BECMG 2308/2310 12012KT PROB40 TEMPO 2314/2324 T

## 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) (mag)	Surface	Threshold Offset	Overrun Length
01R	148 ft	9,664 ft	16.01	ASPHALT	0 ft	486 ft
	45 m	2,946 m	11.52		0 m	148 m
19L	148 ft	9,664 ft	196.02	ASPHALT	0 ft	489 ft
	45 m	2,946 m	191.53		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	191.52		0 m	148 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (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	11.51		681 m
01R	LOC-ILS	ONE	111.95 MHz	18 nm	16.04	-	681 ft
				33 km	11.55		681 m
19L	LOC-ILS	GME	110.55 MHz	18 nm	196.04	-	681 ft
				33 km	191.55		681 m
19R	LOC-ILS	GSW	111.30 MHz	18 nm	196.00	-	681 ft
				33 km	191.51		681 m
01L	GS	OBW	110.30 MHz	10 nm	16.00	3.00	681 ft
				19 km	11.51		681 m
01R	GS	ONE	111.95 MHz	10 nm	16.04	3.00	681 ft
				19 km	11.55		681 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
19L	GS	GME	110.55 MHz	10 nm	196.04	3.00	681 ft
				19 km	191.55		681 m
19R	GS	GSW	111.30 MHz	10 nm	196.00	3.00	681 ft
				19 km	191.51		681 m

## EFRO

Region: FINLAND  
Timezone: EUROPE/HELSINKI  
Runways: 1

Elevation: 643 ft / 196 m  
Location: 66.564800 25.830400  
Magnetic Var: 12.739 E

## METAR

EFRO 230220Z AUTO 12008KT CAVOK 07/01 Q1024

## TAF

TAF EFRO 222336Z 2300/2324 14006KT CAVOK BECMG 2308/2310 21013KT TEMPO 2311/2316 22015G25KT

## Frequencies

REC - 133.70 MHz - ATIS	TWR - 119.70 MHz - ROVANIEMI TOWER
TWR - 118.70 MHz - ROVANIEMI TOWER	GND - 118.52 MHz - ROVANIEMI GROUND
APP - 129.90 MHz - ROVANIEMI RADAR	APP - 119.70 MHz - ROVANIEMI RADAR
APP - 118.60 MHz - ROVANIEMI ARRIVAL	APP - 119.70 MHz - ROVANIEMI ARRIVAL

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
03	197 ft	9,857 ft	37.15	ASPHALT	0 ft	0 ft
	60 m	3,005 m	24.41		0 m	0 m
21	197 ft	9,857 ft	217.19	ASPHALT	0 ft	0 ft
	60 m	3,005 m	204.45		0 m	0 m

## Approach Navaids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
21	DME	RO	111.70 MHz	18 nm	-	-	673 ft
				33 km	-		673 m
21	LOC-ILS	RO	111.70 MHz	18 nm	217.18	-	643 ft
				33 km	204.44		643 m
21	GS	RO	111.70 MHz	10 nm	217.18	3.00	643 ft
				19 km	204.44		643 m