

ENGM - Oslo - Oslo Gardermoen

Airport details

State	Akershus
Country	Norway
Region	EN
Elevation	681ft (208m)
Timezone	GMT +1
Coordinates	60.20278, 11.08389
Type	land
ICAO code	ENGM
IATA code	OSL
FAA code	n/a

Runway info

Runway 01L / 19R	
length	3605m (11827ft)
bearing	30° / 210°
width	45m (148ft)
surface	asphalt
blast zone	148m (486ft) / 140m (459ft)
Runway 01R / 19L	
length	2946m (9665ft)
bearing	30° / 210°
width	45m (148ft)
surface	asphalt
blast zone	149m (489ft) / 149m (489ft)

Communication

Oslo Gardermoen Gardermoen Departure Information	127.150
Oslo Gardermoen Gardermoen Arrival Information	126.125
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Oslo Gardermoen Gardermoen Delivery West	121.680
Oslo Gardermoen Gardermoen Delivery East	121.930
Oslo Gardermoen Gardermoen Delivery East	121.930
Oslo Gardermoen Gardermoen Delivery West	121.680
Oslo Gardermoen Gardermoen Delivery East	121.930
Oslo Gardermoen Gardermoen Delivery West	121.680
Oslo Gardermoen Gardermoen Delivery West	121.680
Oslo Gardermoen Gardermoen Delivery East	121.930
Oslo Gardermoen Gardermoen Ground East	121.905
Oslo Gardermoen Gardermoen Ground West	121.605
Oslo Gardermoen Gardermoen Ground East	121.905
Oslo Gardermoen Gardermoen Ground West	121.605
Oslo Gardermoen Gardermoen Ground East	121.905
Oslo Gardermoen Gardermoen Ground West	121.605
Oslo Gardermoen Gardermoen Ground East	121.905
Oslo Gardermoen Gardermoen Ground West	121.605
Oslo Gardermoen Gardermoen Tower East	121.100
Oslo Gardermoen Gardermoen Tower West	118.300
Oslo Gardermoen Gardermoen Tower West	118.300
Oslo Gardermoen Gardermoen Tower East	121.100
Oslo Gardermoen Gardermoen Tower East	121.100
Oslo Gardermoen Gardermoen Tower East	121.100
Oslo Gardermoen Gardermoen Tower West	118.300
Oslo Gardermoen Gardermoen Tower West	118.300
Oslo Gardermoen Gardermoen APP	118.475
Oslo Gardermoen Gardermoen APP	120.450
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Approach frequencies

ILS-cat-III	19L	110.55	18.00mi
ILS-cat-III	19R	111.3	18.00mi
ILS-cat-III	01L	110.3	18.00mi
ILS-cat-III	01R	111.95	18.00mi
3° GS	19L	110.55	18.00mi
3° GS	19R	111.3	18.00mi
3° GS	01L	110.3	18.00mi
3° GS	01R	111.95	18.00mi

Nearby beacons

code	identifier	dist	bearing	frequency
GRM	GARDERMOEN VOR/DME	0.7	220.6°	115.95
ERB	DME	14.6	80.2°	116.25
NLK	DME	16.5	340°	115.60
BLA	DME	33.2	54.9°	115.20
HAA	HAMAR NDB	36.9	358.7°	371
YG	ENGE NDB	50.6	196.9°	396
RYG	RYGGE TACAN	50.7	198.1°	113.50
RG	TUNE (MOSS) NDB	52.7	185.1°	381
MES	MESNALI VOR/DME	55.4	333.8°	114.40

Departure and arrival routes

Transition altitude 7000ft

SID end points	distance	outbound direction
RW01L		
RIBE1A	71.3	19°
MASE4A	43.3	91°
OKSA4A	58.7	135°
VEMI5A, VIPA1A	80.0	214°
ATLA5A	38.4	267°
EVT05A	50.1	298°
RW01R		
RIBE6B	71.3	19°
MASE6B	43.3	91°
OKSA6B	58.7	135°
VIPA6B	80.0	214°
ATLA9B	38.4	267°
EVT09B	50.1	298°

RW19L			
	VIBU6C, RIBE1C	71.3	19°
	MASE5C	43.3	91°
	OKSA2C	58.7	135°
	VIPA1C	80.0	214°
	ATLA3C	38.4	267°
	EVT03C	50.1	298°
RW19R			
	RIBE6D	71.3	19°
	MASE6D	43.3	91°
	OKSA6D	58.7	135°
	VEMI1D, VIPA6D	80.0	214°
	ATLA7D	38.4	267°
	EVT07D	50.1	298°

STAR starting points		distance	inbound direction
RW01 (ALL)			
	RIPA3L	66.2	57°
	ADOP3L	51.1	94°
	BELG3L	62.3	154°
	INRE4L	59.0	234°
	ESEB4L	40.7	278°
	LUNI4L	61.6	347°
RW19 (ALL)			
	RIPA4M	66.2	57°
	ADOP3M	51.1	94°
	BELG3M	62.3	154°
	INRE4M	59.0	234°
	ESEB4M	40.7	278°
	LUNI4M	61.6	347°

Holding patterns

STAR name	hold at	type	turn	heading*	altitude	leg	speed limit
ADOP3L	ADOPI	VHF	left	271 (91)°	> 12000ft	1.0min timed	ICAO rules
ADOP3L	VALPU	VHF	right	255 (75)°	> 4000ft	1.0min timed	ICAO rules
ADOP3M	ADOPI	VHF	left	271 (91)°	> 12000ft	1.0min timed	ICAO rules
ADOP3M	BAVAD	VHF	left	309 (129)°	> 4000ft	1.0min timed	ICAO rules
BELG3L	BELGU	VHF	right	346 (166)°	> 14000ft	1.0min timed	ICAO rules
BELG3L	VALPU	VHF	right	255 (75)°	> 4000ft	1.0min timed	ICAO rules
BELG3M	BAVAD	VHF	left	309 (129)°	> 4000ft	1.0min timed	ICAO rules
BELG3M	BELGU	VHF	right	346 (166)°	> 14000ft	1.0min timed	ICAO rules
ESEB4L	INSUV	VHF	left	130 (310)°	> 4000ft	1.0min timed	ICAO rules
ESEB4M	TITLA	VHF	right	74 (254)°	> 4000ft	1.0min timed	ICAO rules
INRE4L	INREX	VHF	left	11 (191)°	> 12000ft	1.0min timed	ICAO rules
INRE4L	INSUV	VHF	left	130 (310)°	> 4000ft	1.0min timed	ICAO rules
INRE4M	INREX	VHF	left	11 (191)°	> 12000ft	1.0min timed	ICAO rules

INRE4M	TITLA	VHF	right	74 (254)°	> 4000ft	1.0min timed	ICAO rules
LUNI4L	INSUV	VHF	left	130 (310)°	> 4000ft	1.0min timed	ICAO rules
LUNI4L	LUNIP	VHF	left	176 (356)°	> 10000ft	1.0min timed	ICAO rules
LUNI4M	LUNIP	VHF	left	176 (356)°	> 10000ft	1.0min timed	ICAO rules
LUNI4M	TITLA	VHF	right	74 (254)°	> 4000ft	1.0min timed	ICAO rules
RIPA3L	RIPAM	VHF	left	231 (51)°	> 10000ft	1.0min timed	ICAO rules
RIPA3L	VALPU	VHF	right	255 (75)°	> 4000ft	1.0min timed	ICAO rules
RIPA4M	BAVAD	VHF	left	309 (129)°	> 4000ft	1.0min timed	ICAO rules
RIPA4M	RIPAM	VHF	left	231 (51)°	> 10000ft	1.0min timed	ICAO rules

*) magnetic outbound (inbound) holding course

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