

LTFM - Istanbul

Airport details

State	Istanbul Province
Country	Turkey
Region	LT
Elevation	325ft (99m)
Timezone	GMT +3
Coordinates	41.26394, 28.70146
Type	land
ICAO code	LTFM
IATA code	IST
FAA code	n/a

Runway info

Runway 17R / 35L	
length	4103m (13461ft)
bearing	179° / 359°
width	45m (148ft)
surface	asphalt
Runway 17L / 35R	
length	4100m (13451ft)
bearing	179° / 359°
width	60m (197ft)
surface	asphalt
Runway 16R / 34L	
length	3754m (12316ft)
bearing	179° / 359°
width	62m (203ft)
surface	asphalt
Runway 16L / 34R	
length	3754m (12316ft)
bearing	179° / 359°
width	45m (148ft)
surface	asphalt
Runway 18 / 36	
length	3064m (10052ft)
bearing	179° / 359°
width	45m (148ft)
surface	asphalt
blast zone	60m (197ft) / 60m (197ft)

Communication

Istanbul ATIS	128.850
Istanbul ATIS	128.850
Istanbul ATIS	126.350
Istanbul ATIS	128.850
Istanbul ATIS	128.850
Istanbul ATIS	126.350
Istanbul ATIS	126.350
Istanbul ATIS	126.350
Istanbul DELIVERY	129.175
Istanbul DELIVERY	121.700
Istanbul DELIVERY	129.175
Istanbul DELIVERY	121.700
Istanbul DELIVERY	129.175
Istanbul DELIVERY	129.175
Istanbul DELIVERY	121.700
Istanbul DELIVERY	121.700
Istanbul GND7W	121.725
Istanbul GND8	121.825
Istanbul GND9	121.925
Istanbul GND1	126.300
Istanbul GND2	121.800
Istanbul GND9	121.925
Istanbul GND8	121.825
Istanbul GND3	122.600
Istanbul GND4	124.425
Istanbul GND7E	121.750
Istanbul GND5	121.550
Istanbul GND6	121.625
Istanbul GND7E	121.750
Istanbul GND8	121.825
Istanbul GND7E	121.750
Istanbul GND7W	121.725
Istanbul GND5	121.550
Istanbul GND4	124.425
Istanbul GND3	122.600
Istanbul GND2	121.800
Istanbul GND1	126.300
Istanbul GND6	121.625
Istanbul GND1	126.300
Istanbul GND2	121.800
Istanbul GND3	122.600
Istanbul GND4	124.425
Istanbul GND5	121.550
Istanbul GND6	121.625
Istanbul GND7W	121.725
Istanbul GND9	121.925
Istanbul GND9	121.925

Istanbul GND6	121.625
Istanbul GND7W	121.725
Istanbul GND7E	121.750
Istanbul GND4	124.425
Istanbul GND3	122.600
Istanbul GND2	121.800
Istanbul GND1	126.300
Istanbul GND8	121.825
Istanbul GND5	121.550
Istanbul TWR4	118.075
Istanbul TWR3	122.700
Istanbul TWR6	124.850
Istanbul TWR7	130.275
Istanbul TWR8	130.625
Istanbul TWR5	127.500
Istanbul TWR1-2	131.100
Istanbul TWR3	122.700
Istanbul TWR4	118.075
Istanbul TWR5	127.500
Istanbul TWR6	124.850
Istanbul TWR7	130.275
Istanbul TWR8	130.625
Istanbul TWR8	130.625
Istanbul TWR7	130.275
Istanbul TWR6	124.850
Istanbul TWR5	127.500
Istanbul TWR4	118.075
Istanbul TWR3	122.700
Istanbul TWR1-2	131.100
Istanbul TWR8	130.625
Istanbul TWR6	124.850
Istanbul TWR7	130.275
Istanbul TWR5	127.500
Istanbul TWR4	118.075
Istanbul TWR3	122.700
Istanbul TWR1-2	131.100
Istanbul TWR1-2	131.100
Istanbul APP17	122.575
Istanbul APP1	128.725
Istanbul APP9	132.475
Istanbul APP21	120.450
Istanbul APP10	132.325
Istanbul APP11	132.050
Istanbul APP19	121.250
Istanbul APP12	130.300
Istanbul APP13	127.825
Istanbul APP14	127.100
Istanbul APP15	126.425

Istanbul APP16	122.675
Istanbul APP2	118.950
Istanbul APP22	120.125
Istanbul APP3	119.350
Istanbul APP4	119.475
Istanbul APP12	130.300
Istanbul APP13	127.825
Istanbul APP14	127.100
Istanbul APP15	126.425
Istanbul APP16	122.675
Istanbul APP17	122.575
Istanbul APP18	122.475
Istanbul APP19	121.250
Istanbul APP11	132.050
Istanbul APP22	120.125
Istanbul APP21	120.450
Istanbul APP5	133.225
Istanbul APP6	133.075
Istanbul APP7	132.950
Istanbul APP8	132.775
Istanbul APP9	132.475
Istanbul APP18	122.475
Istanbul APP10	132.325
Istanbul APP20	120.700
Istanbul APP20	120.700
Istanbul APP8	132.775
Istanbul APP22	120.125
Istanbul APP14	127.100
Istanbul APP15	126.425
Istanbul APP16	122.675
Istanbul APP17	122.575
Istanbul APP18	122.475
Istanbul APP19	121.250
Istanbul APP20	120.700
Istanbul APP21	120.450
Istanbul APP2	118.950
Istanbul APP3	119.350
Istanbul APP4	119.475
Istanbul APP13	127.825
Istanbul APP12	130.300
Istanbul APP1	128.725
Istanbul APP2	118.950
Istanbul APP3	119.350
Istanbul APP4	119.475
Istanbul APP5	133.225
Istanbul APP6	133.075
Istanbul APP7	132.950
Istanbul APP8	132.775

Istanbul APP9	132.475
Istanbul APP10	132.325
Istanbul APP11	132.050
Istanbul APP5	133.225
Istanbul APP6	133.075
Istanbul APP7	132.950
Istanbul APP20	120.700
Istanbul APP21	120.450
Istanbul APP22	120.125
Istanbul APP1	128.725
Istanbul APP18	122.475
Istanbul APP1	128.725
Istanbul APP2	118.950
Istanbul APP3	119.350
Istanbul APP4	119.475
Istanbul APP5	133.225
Istanbul APP6	133.075
Istanbul APP7	132.950
Istanbul APP19	121.250
Istanbul APP17	122.575
Istanbul APP11	132.050
Istanbul APP10	132.325
Istanbul APP9	132.475
Istanbul APP8	132.775
Istanbul APP12	130.300
Istanbul APP13	127.825
Istanbul APP14	127.100
Istanbul APP15	126.425
Istanbul APP16	122.675
Istanbul DEPARTURE	121.100
Istanbul DEPARTURE	120.500
Istanbul DEPARTURE	121.100
Istanbul DEPARTURE	120.500
Istanbul DEPARTURE	120.500
Istanbul DEPARTURE	121.100
Istanbul DEPARTURE	121.100
Istanbul DEPARTURE	120.500

Approach frequencies

ILS-cat-III	17L	111.95	18.00mi
ILS-cat-III	35R	109.55	18.00mi
ILS-cat-III	18	110.95	18.00mi
ILS-cat-III	36	111.35	18.00mi
ILS-cat-III	16R	110.35	18.00mi
ILS-cat-III	34L	108.55	18.00mi
3° GS	17L	111.95	18.00mi
3° GS	34L	108.55	18.00mi

3° GS	16R	110.35	18.00mi
3° GS	35R	109.55	18.00mi
3° GS	36	111.35	18.00mi
3° GS	18	110.95	18.00mi

Nearby beacons

code	identifier	dist	bearing	frequency
UHL	UHL VOR/DME	2.9	7.2°	110
UHM	UHM VOR/DME	2.9	27.8°	108.25
UHN	UHN VOR/DME	3.7	49.4°	109.85
CEK	CEKMECE NDB	17.3	213.8°	328
ST	ATATURK (ISTANBUL) NDB	18.6	161.2°	340
IST	ISTANBUL VORTAC	18.8	160.1°	112.50
BKZ	BEYKOZ VOR/DME	21.5	107.2°	117.30
CRL	CORLU VOR/DME	35.2	261.5°	114.80
CLU	CORLU TACAN	35.7	261.3°	115.90
SAB	SABIHA NDB	35.7	119.4°	347
SBH	SABIHA (ISTANBUL) VOR/DME	35.7	119.4°	108.80
CRL	CORLU NDB	36.6	260.4°	426
YAA	YALOVA VOR/DME	52.6	147.3°	117.70
BDM	BANDIRMA TACAN	65.6	217.2°	111

Departure and arrival routes

Transition altitude	12000ft
Transition level	13000ft

SID end points	distance	outbound direction
RW16L		
MAKO4F	57.9	26°
OSME4F	94.8	69°
ASMA4T, ASMA4F	98.7	107°
RATV4F, RATV4T	87.1	153°
IVGU4F	65.9	238°
BARP4F	80.5	259°
VADE4F	82.2	298°
TUDB4F	59.1	307°
IBLA4F	53.3	316°
RW16R		
MAKO4F	57.9	26°
OSME4F	94.8	69°
ASMA4T, ASMA4F	98.7	107°
RATV4T, RATV4F	87.1	153°
IVGU4F	65.9	238°
BARP4F	80.5	259°
VADE4F	82.2	298°
TUDB4F	59.1	307°

	IBLA4F	53.3	316°
RW17 (ALL)			
	IST1P	18.8	160°
RW17L			
	MAKO4G	57.9	26°
	OSME4G	94.8	69°
	ASMA4G, ASMA4U	98.7	107°
	RATV4G, RATV4U	87.1	153°
	IVGU4G	65.9	238°
	BARP4G	80.5	259°
	VADE4G	82.2	298°
	TUDB4G	59.1	307°
	IBLA4G	53.3	316°
RW17R			
	MAKO4G	57.9	26°
	OSME4G	94.8	69°
	ASMA4G, ASMA4U	98.7	107°
	RATV4G, RATV4U	87.1	153°
	IVGU4G	65.9	238°
	BARP4G	80.5	259°
	VADE4G	82.2	298°
	TUDB4G	59.1	307°
	IBLA4G	53.3	316°
RW18			
	MAKO4H	57.9	26°
	OSME4H	94.8	69°
	ASMA4V, ASMA4H	98.7	107°
	RATV4V, RATV4H	87.1	153°
	IVGU4H, IVGU4V	65.9	238°
	BARP4H, BARP4V	80.5	259°
	VADE4H	82.2	298°
	TUDB4H	59.1	307°
	IBLA4H	53.3	316°
RW34L			
	MAKO4C	57.9	26°
	OSME4C	94.8	69°
	ASMA4C, ASMA4Q	98.7	107°
	RATV4C	87.1	153°
	IVGU4C	65.9	238°
	BARP4C	80.5	259°
	VADE4C	82.2	298°
	TUDB4C	59.1	307°
	IBLA4C	53.3	316°
RW34R			
	MAKO4C	57.9	26°
	OSME4C	94.8	69°
	ASMA4C, ASMA4Q	98.7	107°
	RATV4C	87.1	153°

	IVGU4C	65.9	238°
	BARP4C	80.5	259°
	VADE4C	82.2	298°
	TUDB4C	59.1	307°
	IBLA4C	53.3	316°
RW35 (ALL)			
	IST1N	18.8	160°
RW35L			
	MAKO4D	57.9	26°
	OSME4D	94.8	69°
	ASMA4D, ASMA4R	98.7	107°
	RATV4D	87.1	153°
	IVGU4D	65.9	238°
	BARP4D	80.5	259°
	VADE4D	82.2	298°
	TUDB4D	59.1	307°
	IBLA4D	53.3	316°
RW35R			
	MAKO4D	57.9	26°
	OSME4D	94.8	69°
	ASMA4D, ASMA4R	98.7	107°
	RATV4D	87.1	153°
	IVGU4D	65.9	238°
	BARP4D	80.5	259°
	VADE4D	82.2	298°
	TUDB4D	59.1	307°
	IBLA4D	53.3	316°
RW36			
	MAKO4E	57.9	26°
	OSME4E	94.8	69°
	ASMA4E, ASMA4S	98.7	107°
	RATV4E	87.1	153°
	IVGU4E	65.9	238°
	BARP4E	80.5	259°
	VADE4E	82.2	298°
	TUDB4E	59.1	307°
	IBLA4E	53.3	316°

STAR starting points

	distance	inbound direction
RW16R		
RILE2B, RIXE2B	18.5	127°
SISP2P, INBE2B, ERSE2P, DRAM2B	24.9	133°
ERSE2B, INBE2P, DRAM2P, SISP2B	25.8	222°
RIXE2P, ATP12B	19.2	225°
RW17L		
RIXE2B, RILE2B	18.5	127°
SISP2P, ERSE2P, INBE2B, DRAM2B	24.9	133°
DRAM2P, SISP2B, INBE2P, ERSE2B	25.8	222°

RW18	ATPI2B, RIXE2P	19.2	225°
	RIXE2B, RILE2B	18.5	127°
	SISP2P, ERSE2P, INBE2B, DRAM2B	24.9	133°
	SISP2B, INBE2P, ERSE2B, DRAM2P	25.8	222°
	RIXE2P, ATPI2B	19.2	225°
RW34L	RIXE2A, RILE2A, ATPI2N	27.9	57°
	DRAM2A, INBE2A	21.9	64°
	ERSE2A, SISP2A	23.5	303°
	RIXE2N, ATPI2A, RILE2N, ERSE2N	30.1	308°
RW35R	ATPI2N, RIXE2A, RILE2A	27.9	57°
	DRAM2A, INBE2A	21.9	64°
	SISP2A, ERSE2A	23.5	303°
	ERSE2N, RILE2N, RIXE2N, ATPI2A	30.1	308°
RW36	RIXE2A, ATPI2N, RILE2A	27.9	57°
	INBE2A, DRAM2A	21.9	64°
	ERSE2A, SISP2A	23.5	303°
	ERSE2N, RILE2N, ATPI2A, RIXE2N	30.1	308°

Holding patterns

STAR name	hold at	type	turn	heading*	altitude	leg	speed limit
ATPI2A	ATPIX	VHF	right	75 (255)°	> 19000ft	1.5min timed	ICAO rules
ATPI2A	FM421	VHF	right	109 (289)°	> 19000ft	1.5min timed	ICAO rules
ATPI2A	FM423	VHF	right	18 (198)°	> 15000ft	1.5min timed	ICAO rules
ATPI2A	FM426	VHF	left	333 (153)°	10000ft - 14000ft	1.0min timed	ICAO rules
ATPI2A	SADIK	VHF	right	84 (264)°	5000ft - 7000ft	1.0min timed	ICAO rules
ATPI2B	ATPIX	VHF	right	75 (255)°	> 19000ft	1.5min timed	ICAO rules
ATPI2B	DIVDI	VHF	right	87 (267)°	> 5000ft	1.0min timed	ICAO rules
ATPI2B	FM452	VHF	right	145 (325)°	> 19000ft	1.5min timed	ICAO rules
ATPI2B	FM455	VHF	right	55 (235)°	> 15000ft	1.5min timed	ICAO rules
ATPI2B	FM458	VHF	left	355 (175)°	10000ft - 14000ft	1.0min timed	ICAO rules
ATPI2N	FM421	VHF	right	109 (289)°	> 19000ft	1.5min timed	ICAO rules
ATPI2N	FM423	VHF	right	18 (198)°	> 15000ft	1.5min timed	ICAO rules

ATPI2N	FM827	VHF	right	340 (160)°	10000ft - 14000ft	1.0min timed	ICAO rules
ATPI2N	IMREN	VHF	left	265 (85)°	> 4000ft	1.0min timed	ICAO rules
DRAM2A	AGBET	VHF	left	233 (53)°	> 19000ft	1.5min timed	ICAO rules
DRAM2A	DRAMO	VHF	left	263 (83)°	> 19000ft	1.5min timed	ICAO rules
DRAM2A	FM723	VHF	left	286 (106)°	> 15000ft	1.5min timed	ICAO rules
DRAM2A	FM725	VHF	right	267 (87)°	9000ft - 14000ft	1.0min timed	ICAO rules
DRAM2A	FM736	VHF	left	317 (137)°	> 3000ft	1.0min timed	ICAO rules
DRAM2A	IMREN	VHF	left	265 (85)°	> 4000ft	1.0min timed	ICAO rules
DRAM2B	DRAMO	VHF	left	263 (83)°	> 19000ft	1.5min timed	ICAO rules
DRAM2B	FM751	VHF	left	245 (65)°	> 19000ft	1.5min timed	ICAO rules
DRAM2B	FM754	VHF	left	303 (123)°	> 15000ft	1.5min timed	ICAO rules
DRAM2B	FM757	VHF	left	265 (85)°	9000ft - 14000ft	1.0min timed	ICAO rules
DRAM2B	INSTA	VHF	left	247 (67)°	> 3000ft	1.0min timed	ICAO rules
DRAM2P	DIVDI	VHF	right	87 (267)°	> 5000ft	1.0min timed	ICAO rules
DRAM2P	DRAMO	VHF	left	263 (83)°	> 19000ft	1.5min timed	ICAO rules
DRAM2P	FM560	VHF	right	183 (3)°	11000ft - 14000ft	1.0min timed	ICAO rules
DRAM2P	FM751	VHF	left	245 (65)°	> 19000ft	1.5min timed	ICAO rules
DRAM2P	FM754	VHF	left	303 (123)°	> 15000ft	1.5min timed	ICAO rules
DRAM2P	FM757	VHF	left	265 (85)°	9000ft - 14000ft	1.0min timed	ICAO rules
ERSE2A	ERSEN	VHF	right	92 (272)°	> 19000ft	1.5min timed	ICAO rules
ERSE2A	FM521	VHF	right	126 (306)°	> 19000ft	1.5min timed	ICAO rules
ERSE2A	FM523	VHF	right	36 (216)°	> 15000ft	1.5min timed	ICAO rules
ERSE2A	FM526	VHF	right	84 (264)°	11000ft - 14000ft	1.0min timed	ICAO rules
ERSE2A	SADIK	VHF	right	84 (264)°	5000ft - 7000ft	1.0min timed	ICAO rules
ERSE2B	DIVDI	VHF	right	87 (267)°	> 5000ft	1.0min timed	ICAO rules
ERSE2B	EPEKI	VHF	right	89 (269)°	> 19000ft	1.5min timed	ICAO rules

ERSE2B	FM560	VHF	right	183 (3)°	11000ft - 14000ft	1.0min timed	ICAO rules
ERSE2B	PUQET	VHF	right	354 (174)°	> 19000ft	1.5min timed	ICAO rules
ERSE2N	FM426	VHF	left	333 (153)°	10000ft - 14000ft	1.0min timed	ICAO rules
ERSE2N	SADIK	VHF	right	84 (264)°	5000ft - 7000ft	1.0min timed	ICAO rules
ERSE2P	EPEKI	VHF	right	89 (269)°	> 19000ft	1.5min timed	ICAO rules
ERSE2P	INSTA	VHF	left	247 (67)°	> 3000ft	1.0min timed	ICAO rules
ERSE2P	PUQET	VHF	right	354 (174)°	> 19000ft	1.5min timed	ICAO rules
INBE2A	FM723	VHF	left	286 (106)°	> 15000ft	1.5min timed	ICAO rules
INBE2A	FM725	VHF	right	267 (87)°	9000ft - 14000ft	1.0min timed	ICAO rules
INBE2A	FM736	VHF	left	317 (137)°	> 3000ft	1.0min timed	ICAO rules
INBE2A	IMREN	VHF	left	265 (85)°	> 4000ft	1.0min timed	ICAO rules
INBE2A	LEKMI	VHF	right	178 (358)°	> 19000ft	1.5min timed	ICAO rules
INBE2B	FM751	VHF	left	245 (65)°	> 19000ft	1.5min timed	ICAO rules
INBE2B	FM754	VHF	left	303 (123)°	> 15000ft	1.5min timed	ICAO rules
INBE2B	FM757	VHF	left	265 (85)°	9000ft - 14000ft	1.0min timed	ICAO rules
INBE2B	INSTA	VHF	left	247 (67)°	> 3000ft	1.0min timed	ICAO rules
INBE2B	LEKMI	VHF	right	178 (358)°	> 19000ft	1.5min timed	ICAO rules
INBE2P	DIVDI	VHF	right	87 (267)°	> 5000ft	1.0min timed	ICAO rules
INBE2P	FM560	VHF	right	183 (3)°	11000ft - 14000ft	1.0min timed	ICAO rules
INBE2P	FM751	VHF	left	245 (65)°	> 19000ft	1.5min timed	ICAO rules
INBE2P	FM754	VHF	left	303 (123)°	> 15000ft	1.5min timed	ICAO rules
INBE2P	FM757	VHF	left	265 (85)°	9000ft - 14000ft	1.0min timed	ICAO rules
INBE2P	LEKMI	VHF	right	178 (358)°	> 19000ft	1.5min timed	ICAO rules
RILE2A	FM820	VHF	right	296 (116)°	> 19000ft	1.5min timed	ICAO rules
RILE2A	FM822	VHF	right	340 (160)°	> 19000ft	1.5min timed	ICAO rules
RILE2A	FM825	VHF	right	250 (70)°	> 15000ft	1.5min timed	ICAO rules

RILE2A	FM827	VHF	right	340 (160)°	10000ft - 14000ft	1.0min timed	ICAO rules
RILE2A	IMREN	VHF	left	265 (85)°	> 4000ft	1.0min timed	ICAO rules
RILE2B	FM820	VHF	right	296 (116)°	> 19000ft	1.5min timed	ICAO rules
RILE2B	FM854	VHF	right	230 (50)°	> 15000ft	1.5min timed	ICAO rules
RILE2B	FM860	VHF	right	357 (177)°	10000ft - 14000ft	1.0min timed	ICAO rules
RILE2B	INSTA	VHF	left	247 (67)°	> 3000ft	1.0min timed	ICAO rules
RILE2N	FM426	VHF	left	333 (153)°	10000ft - 14000ft	1.0min timed	ICAO rules
RILE2N	FM822	VHF	right	340 (160)°	> 19000ft	1.5min timed	ICAO rules
RILE2N	FM825	VHF	right	250 (70)°	> 15000ft	1.5min timed	ICAO rules
RILE2N	SADIK	VHF	right	84 (264)°	5000ft - 7000ft	1.0min timed	ICAO rules
RIXE2A	ATVAS	VHF	right	353 (173)°	> 15000ft	1.5min timed	ICAO rules
RIXE2A	FM827	VHF	right	340 (160)°	10000ft - 14000ft	1.0min timed	ICAO rules
RIXE2A	IMREN	VHF	left	265 (85)°	> 4000ft	1.0min timed	ICAO rules
RIXE2B	FM860	VHF	right	357 (177)°	10000ft - 14000ft	1.0min timed	ICAO rules
RIXE2B	FM955	VHF	right	78 (258)°	> 15000ft	1.5min timed	ICAO rules
RIXE2B	INSTA	VHF	left	247 (67)°	> 3000ft	1.0min timed	ICAO rules
RIXE2N	ATVAS	VHF	right	353 (173)°	> 15000ft	1.5min timed	ICAO rules
RIXE2N	FM426	VHF	left	333 (153)°	10000ft - 14000ft	1.0min timed	ICAO rules
RIXE2N	SADIK	VHF	right	84 (264)°	5000ft - 7000ft	1.0min timed	ICAO rules
RIXE2P	DIVDI	VHF	right	87 (267)°	> 5000ft	1.0min timed	ICAO rules
RIXE2P	FM458	VHF	left	355 (175)°	10000ft - 14000ft	1.0min timed	ICAO rules
RIXE2P	FM966	VHF	left	272 (92)°	> 15000ft	1.5min timed	ICAO rules
SISP2A	FM526	VHF	right	84 (264)°	11000ft - 14000ft	1.0min timed	ICAO rules
SISP2A	FM621	VHF	right	186 (6)°	> 19000ft	1.5min timed	ICAO rules
SISP2A	FM623	VHF	left	161 (341)°	> 15000ft	1.5min timed	ICAO rules
SISP2A	SADIK	VHF	right	84 (264)°	5000ft - 7000ft	1.0min timed	ICAO rules

SISP2A	SISPI	VHF	left	175 (355)°	> 19000ft	1.5min timed	ICAO rules
SISP2B	DIVDI	VHF	right	87 (267)°	> 5000ft	1.0min timed	ICAO rules
SISP2B	FM560	VHF	right	183 (3)°	11000ft - 14000ft	1.0min timed	ICAO rules
SISP2B	FM651	VHF	right	196 (16)°	> 19000ft	1.5min timed	ICAO rules
SISP2B	PUQET	VHF	right	354 (174)°	> 19000ft	1.5min timed	ICAO rules
SISP2P	FM651	VHF	right	196 (16)°	> 19000ft	1.5min timed	ICAO rules
SISP2P	INSTA	VHF	left	247 (67)°	> 3000ft	1.0min timed	ICAO rules
SISP2P	PUQET	VHF	right	354 (174)°	> 19000ft	1.5min timed	ICAO rules

*) magnetic outbound (inbound) holding course

Disclaimer

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To be used with X-Plane simulation only