

Frankfurt FIR Airports

Note: Not for real navigation!

Effective: 08.07.2004

Frankfurt (EDFH)

ICAO-code: EDFH

IATA-code: HHN

Position: N 049°56' 55" E 007°15' 50"

Altitude: 1649 ft

Magnetic Variation: 1° West

Transition Altitude: 5000 ft

Transition Level: By ATC

Summer: LT minus 2 Hours = UTC(Z)

Winter: LT minus 1 Hours = UTC(Z)

NAVAIDS:

ILS 03 109.30 / 033° (IHAE)
ILS 21 111.30 / 213° (IHAW)

HAN 376
HND 116.95
NTM 115.30
NOR 116.20
KIR 117.50
FFM 114.20
TAU 116.70

Communication:

Station	VATEUR
Ground	121.970
Tower	119.650
Radar	127.500
Squawk :	2101 - 2107

HOLDINGS :

HAN Track 033 RT MSA 5000 IAF RWY 21/ 03

Standard Arrival Routes RWY 03 and 21 :

ARKOK 1R ARKOK- HND
NOR 1R NOR - HND
ULMEN 1R ULMEN – HND
KIR 1R KIR – HND

SID Discription:

RWY 03:

Designator	ROUTE	CLIMB to
IDARO 2E	IDARO TWO ECHO On track 033° HAN to 11.0 DME HND RT, on R024 KIR TO KIR. On R242 KIR to IDARO GPS/FMS RNAV: [A2100+] - <u>FH063</u> [R] - FH064 – KIR[R] – IDARO	5000 ft Only for flights proceeding via G 21
BITBU 1E	BITBU ONE ECHO On track 033° HAN to 11.0 DME HND, turn Right, on track 239° to HAN, on track 277° HAN to RUDOT; on track 267° to BITBU. GPS/FMS RNAV: (A2100+) – <u>FH063</u> [R] – FH067-HAN[R]-RUDOT[L]-BITBU	5000 ft After RUDOT BRNAV equipment necessary
RUDUS 2E	RUDUS 2E(RUDUS TWO ECHO) On track 033° HAN to 5.0 DME HND, turn Right, on R268 FFM to RUDUS. GPS/FMS RNAV: (A2100+) – FH060[R] – RUDUS	5000 ft Only available for flights at or above FL120. If unable to comply, request alternate depature instructions by ATC
RUDUS2T	RUDUS 2T(RUDUS TWO TANGO) On track 033° HAN to 11.0 DME HND, turn Right, on track 100° to RUDUS GPS/FMS RNAV: (A2100+) – FH066[R] – RUDUS	5000 ft 1.)Only available for flights at or above FL120. If unable to comply, request alternate depature instructions by ATC 2.)After 11.0 DME HND BRNAV equipment necessary
NOR 3G	NOR 3G(NÖRVENICH THREE GOLF) On track 033° HAN to 11.0 DME HND, turn Left, on R147 NOR to NOR. Cross 48.0 DME NOR at 5000 or above GPS/FMS RNAV: (A2100+) – FH065[L] – FH068[A5000+] – NOR	5000 ft 1.)Not to be filed in flight plan 2.)Will be assigned by ATC. 3.)PDG: 3,7%(225ft/NM) due to airspace structure and NLFS 4.)Not to be used during activity of NIGHT LOW FLYING SYSTEM(NLFS).

RWY 21:

Designator	ROUTE	CLIMB to
IDARO 2L	IDARO TWO LIMA On track 213° HAN to HND 13.8 DME HND, turn RIGHT, on R242 KIR to IDARO. GPS/FMS RNAV: (A2100+) -FH075[R] - IDARO.	5000 ft 1.)Only for flights proceeding via G21
NOR 1S	NÖRVENICH ONE SIERRA On track 213° HAN to 6.0 DME HND, turn RIGHT, on R166 NOR to NOR. GPS/FMS RNAV: (A2100+) - <u>FH070</u> [R] - FH073 - NOR.	5000 ft 1.)Not to be filed in flight plan 2.)Will be assigned by ATC. 3.)Not to be used during activity of NIGHT LOW FLYING SYSTEM(NLFS).
BITBU 1S	BITBU ONE SIERRA On track 213° HAN to 6.0 DME HND, turn Right, on track 346° to intercept R296 KIR to RUDOT;on track 267° to BITBU GPS/FMS RNAV: (A2100+) - <u>FH070</u> [R] – FH073- FH080[L]- RUDOT[L]-BITBU	5000 ft 1.)Not to be used during activity of NIGHT LOW FLYING SYSTEM(NLFS). 2.)After RUDOT BRNAV equipment necessary
BITBU 1L	BITBU ONE LIMA On track 213° HAN to 11.0 DME HND, turn Right, on R170 NOR to 53.9 DME NOR; turn Left, on track 267° to BITBU. Cross 11.0 DME HND at 5000 or above GPS/FMS RNAV: (A2100+) - <u>FH076</u> [A5000+; R] – FH078- FH079[L]- BITBU	5000 ft 1.)PDG: 5,3% (324 ft/NM) due to airspace structure and NIGHT LOW FLYING SYSTEM(NLFS). 2.)Not to be used during activity of NIGHT LOW FLYING SYSTEM(NLFS).
RUDUS 3S	RUDUS 3S(RUDUS THREE SIERRA) On track 213° HAN to 6.0 DME HND, turn RIGHT to HAN. On track 022° HAN to PINEM; on track 103° to RUDUS intercept FFM R-269 inbound to RUDUS. GPS/FMS RNAV: (A2100+) - <u>FH070</u> [R] – FH071- HAN[L] – PINEM[R] - RUDUS	5000 ft 1.)Only available for flights at or above FL120. If unable to comply, request alternate departure instructions by ATC 2.)Not to be used during activity of NIGHT LOW FLYING SYSTEM(NLFS). 3.)After PINEM BRNAV equipment necessary
RUDUS 3L	RUDUS THREE LIMA On 213° HAN to 11.0 DME HND, turn RIGHT to HAN. On track 022° HAN to PINEM; on track 103° to RUDUS GPS/FMS RNAV: (A2100+) - <u>FH076</u> [A5000+; R] – FH077- HAN[L] – PINEM[R] - RUDUS	5000 ft 1.)Only available for flights at or above FL120. If unable to comply, request alternate departure instructions by ATC 2.)PDG: 5,3%(324ft/NM) due to airspace structure and NLFS 3.)After PINEM BRNAV equipment necessary

Waypointlist:

HAN(IAF)	N49 57 53.58	E007 16 51.15
FH013	N49 48 13.71	E007 02 58.24
FH012	N49 47 37.79	E007 06 42.39
FH011	N49 55 56.66	E007 14 52.41
FH014	N49 48 56.60	E007 01 56.73
FH003	N50 06 21.57	E007 25 11.34
FH002	N49 57 53.03	E007 16 47.23
FH005	N50 09 09.74	E007 21 51.05
FH060	N50 02 06.89	E007 20 58.08
FH063	N50 06 10.36	E007 24 59.68
FH064	N50 03 58.23	E007 31 18.13
FH065	N50 07 26.07	E007 26 14.98
FH066	N50 07 28.89	E007 26 17.80
FH067	N50 02 56.52	E007 29 52.83
FH068	N50 10 27.08	E007 23 10.50
FH070	N49 51 51.20	E007 10 40.42
FH071	N49 54 55.06	E007 06 37.20
FH073	N49 52 29.28	E007 04 49.11
FH075	N49 44 26.37	E007 03 07.94
FH076	N49 47 40.87	E007 06 25.43
FH077	N49 51 08.36	E007 01 02.66
FH078	N49 48 36.25	E006 59 23.22
FH079	N49 59 39.15	E006 56 16.53
FH080	N49 56 52.56	E007 03 05.90
IDARO	N49 42 25.03	E006 57 19.43
BITBU	N49 58 58.62	E006 33 41.86
PINEM	N50 08 54.04	E007 23.37.09
RUDOT	N49 59 35.73	E006 54 16.19
RUDUS	N50 02 51.32	E008 04 41.77