

STANDARD ARRIVAL FRANKFURT-HAHN
ROUTES - INSTRUMENT (STAR)
RNAV (GPS, DME/DME, DME/DME/IRU)

FRANKFURT-HAHN
RWY 21

ROPUV THREE ALPHA ROPUV 3A										
Recom- mended Path Termi- nator	Waypoint Identifier	Coordinates	Fly Over	(True Track) MAG Track	Distance (NM)	Turn Direction	Altitude (ft) / Flight Level	Speed Limit (kt IAS)	NAV Specification	Remarks
IF	ROPUV	N 50 13 19.00 E 006 50 54.00	-	-	-	-	A6000+	-	RNAV-1	-
TF	FH502	N 50 04 30.71 E 007 14 08.38	-	(T120.4°) 119°	17.4	-	-	220-	RNAV-1	-
TF	FH503	N 50 09 02.42 E 007 18 37.36	-	(T032.5°) 031°	5.4	-	-	-	RNAV-1	-
TF	FH504	N 50 12 24.60 E 007 21 58.18	-	(T032.5°) 031°	4.0	-	-	-	RNAV-1	-
TF	FH505	N 50 15 46.69 E 007 25 19.49	-	(T032.6°) 031°	4.0	-	-	-	RNAV-1	-
TF	FH506	N 50 13 04.93 E 007 31 53.01	-	(T122.6°) 121°	5.0	-	-	-	RNAV-1	-
TF	FH515	N 50 09 43.01 E 007 28 31.39	-	(T212.7°) 211°	4.0	-	A5000+	-	RNAV-1	-

ROLIS THREE ALPHA ROLIS 3A										
Recom- mended Path Termi- nator	Waypoint Identifier	Coordinates	Fly Over	(True Track) MAG Track	Distance (NM)	Turn Direction	Altitude (ft) / Flight Level	Speed Limit (kt IAS)	NAV Specification	Remarks
IF	ROLIS	N 50 26 06.37 E 007 49 30.55	-	-	-	-	A6000+	-	RNAV-1	-
TF	FH516	N 50 19 08.71 E 007 28 41.31	-	(T242.5°) 241°	15.0	-	-	-	RNAV-1	-
TF	FH505	N 50 15 46.69 E 007 25 19.49	-	(T212.6°) 211°	4.0	-	-	220-	RNAV-1	-
TF	FH506	N 50 13 04.93 E 007 31 53.01	-	(T122.6°) 121°	5.0	-	-	-	RNAV-1	-
TF	FH515	N 50 09 43.01 E 007 28 31.39	-	(T212.7°) 211°	4.0	-	A5000+	-	RNAV-1	-

OLGIL THREE BRAVO OLGIL 3B										
Recom- mended Path Termi- nator	Waypoint Identifier	Coordinates	Fly Over	(True Track) MAG Track	Distance (NM)	Turn Direction	Altitude (ft) / Flight Level	Speed Limit (kt IAS)	NAV Specification	Remarks
IF	OLGIL	N 49 59 16.00 E 007 44 02.00	-	-	-	-	A6000+	-	RNAV-1	-
TF	FH517	N 50 01 29.85 E 007 36 56.01	-	(T296.0°) 295°	5.1	-	-	-	RNAV-1	-
TF	FH510	N 50 03 39.47 E 007 31 42.68	-	(T302.8°) 301°	4.0	-	-	185-	RNAV-1	-
TF	FH511	N 50 07 01.26 E 007 35 04.06	-	(T032.7°) 031°	4.0	-	-	-	RNAV-1	-
TF	FH515	N 50 09 43.01 E 007 28 31.39	-	(T302.7°) 301°	5.0	-	A5000+	-	RNAV-1	-

OLGIL THREE ALPHA OLGIL 3A										
Recom- mended Path Termi- nator	Waypoint Identifier	Coordinates	Fly Over	(True Track) MAG Track	Distance (NM)	Turn Direction	Altitude (ft) / Flight Level	Speed Limit (kt IAS)	NAV Specification	Remarks
IF	OLGIL	N 49 59 16.00 E 007 44 02.00	-	-	-	-	A6000+	-	RNAV-1	-
TF	FH500	N 49 55 13.45 E 007 23 20.20	-	(T253.3°) 252°	14.0	-	-	220-	RNAV-1	-
TF	HAN	N 49 57 53.58 E 007 16 51.15	-	(T302.6°) 301°	5.0	-	-	-	RNAV-1	-
TF	FH501	N 50 00 35.41 E 007 10 16.29	-	(T302.5°) 301°	5.0	-	-	-	RNAV-1	-
TF	FH502	N 50 04 30.71 E 007 14 08.38	-	(T032.4°) 031°	4.7	-	-	-	RNAV-1	-
TF	FH503	N 50 09 02.42 E 007 18 37.36	-	(T032.5°) 031°	5.4	-	-	-	RNAV-1	-
TF	FH504	N 50 12 24.60 E 007 21 58.18	-	(T032.5°) 031°	4.0	-	-	-	RNAV-1	-
TF	FH505	N 50 15 46.69 E 007 25 19.49	-	(T032.6°) 031°	4.0	-	-	-	RNAV-1	-
TF	FH506	N 50 13 04.93 E 007 31 53.01	-	(T122.6°) 121°	5.0	-	-	-	RNAV-1	-
TF	FH515	N 50 09 43.01 E 007 28 31.39	-	(T212.7°) 211°	4.0	-	A5000+	-	RNAV-1	-