STANDARD DEPARTURE ROUTES – INSTRUMENT (SID)

FRANKFURT MAIN
RWY 07L/07R, RWY18, RWY25L/25R
SIDs with Route Designator CHARLIE / QUEBEC / ZULU

1. **NON-RNAV (enroute only)** equipped aircraft only.
2. Delay has to be expected.
3. Further routing to destination shall be based on VOR and has to be coordinated with ATC prior to start-up.

For operational regulations refer to AIP GEN 1.5.

Designator	Route	After Take-Off		Remarks
		Climb to	Contact	
1	2	3	4	5
RWY 07				
KIR 6C	**KIRN SIX CHARLIE** On RWY track to 800; via FR to 6.0 DME FRD (3.0 DME outbound FFM) (MAX IAS 220 KT until established on R192 MTR); on R192 MTR until crossing R074 RID/15.0 DME FFM; RT, on R083 RID to RID (△); on R258 RID to 14.2 DME RID; RT, on R102 KIR to KIR (△). Cross 9.0 DME FFM max. 4000. Cross 14.2 DME RID at FL 70 or above.	4000 ft	Langen Radar 136.125*	1. Altitude restriction for crossing 14.2 DME RID due to navaid coverage (KIR). 2. Max. IAS 250KT until KIR.
KNG 4C	**KOENIG FOUR CHARLIE** On RWY track to 800; via FR to 6.0 DME FRD (3.0 DME outbound FFM) (MAX IAS 220 KT until established on R192 MTR); RT, on R192 MTR to 10.8 DME FFM; LT, on track 106° to KNG (△). Cross 9.0 DME FFM max. 4000.			Nur für Simulationszwecke zu verwenden! Mit freundlicher Genehmigung der DFS Deutsche Flugsicherung GmbH für IVAO Deutschland.
MTR 2C	**METRO TWO CHARLIE** On RWY track to 800; then direct to FR; at FR (5.0 DME FRD / 2.0 DME outbound FFM) immediate LT on R203 MTR to MTR (△).	5000 ft	Langen Radar 120.150*	
RID 4C	**RIED FOUR CHARLIE** On RWY track to 800; via FR to 6.0 DME FRD (3.0 DME outbound FFM) (MAX IAS 220 KT until established on R192 MTR); RT, on R192 MTR to 15.0 DME FFM; RT, on R083 RID to RID (△). Cross 9.0 DME FFM max. 4000.	4000 ft	Langen Radar 136.125*	
RWY 25				
KIR 5Q	**KIRN FIVE QUEBEC** On RWY track to 4.5 DME FFM/1.5 DME FRD or 800, whichever is later; LT, on track 198° (max. IAS 220KT until established on track 198°) to intercept R223 FFM; RT, on R223 FFM to 25.0 DME FFM; RT, on R102 KIR to KIR (△). Cross 25.0 DME FFM at FL 70 or above.	5000 ft	Langen Radar 136.125*	1. PDG 5.1% / 310 ft/NM or more until crossing 25.0 DME FFM at FL 70 or above due to navaid coverage (KIR). 2. Max. IAS 250KT until KIR.
KNG 1Q	**KOENIG ONE QUEBEC** On RWY track to 4.5 DME FFM/1.5 DME FRD or 800, whichever is later; LT, inbound RID to 12.0 DME RID; LT, on track 118° (max. IAS 220KT until established on track 118°) to KNG (△). Cross R201 FFM at 2500 or above.			PDG 5.2% / 315 ft/NM until passing 2500 due to airspace structure. If unable to comply, advise EDDF DELIVERY prior to start-up.
RID 1Q	**RIED ONE QUEBEC** On RWY track to 4.5 DME FFM/1.5 DME FRD or 800, whichever is later; LT, on R357 RID (max. IAS 220KT until established on R357 RID) to RID (△).			
TAU 1Q	**TAUNUS ONE QUEBEC** On RWY track to 5.0 DME FFM or 800, whichever is later; RT, MT 276° (RWY 25L: MT 279°), on R259 FFM to 3500; RT to TAU (△), but not before reaching R259 FFM.		Langen Radar 120.150*	
RWY 18				
KIR 5Z	**KIRN FIVE ZULU** On RWY track to 800; on R357 RID to 6.4 DME RID, (max. IAS 220KT); RT, on R199 FFM to 16.7 DME FFM; RT to intercept R258 RID to 14.2 DME RID; RT, on R102 KIR to KIR (△). Cross 6.4 DME RID max. 4000. Cross 14.2 DME RID at FL 70 or above.	4000 ft	Langen Radar 136.125*	1. PDG 4.3% / 262 ft/NM or more until crossing 14.2 DME RID at FL 70 or above due to navaid coverage (KIR). 2. Max. IAS 250KT until KIR.
KNG 2Z	**KOENIG TWO ZULU** On RWY track to 800; on R357 RID inbound RID to 3.0 DME RID north of RID; LT, (max. IAS 220KT until established on R092 RID) on R092 RID to KNG (△). Cross 6.4 DME RID max. 4000.			
RID 2Z	**RIED TWO ZULU** On RWY track to 800; on R357 RID to RID (△). Cross 6.4 DME RID max. 4000.			

* Departure frequency may deviate from the frequency published. Check ATIS for current departure frequency.

Contact LANGEN RADAR immediately after take-off!

FRANKFURT MAIN
RWY 07L/07R, 18, 25L/25R NON-RNAV
CHARLIE / QUEBEC / ZULU

ATIS	118.725	GROUND	121.800
DELIVERY (Initial Call)	121.900	TOWER	119.900
APRON	121.700	LANGEN RADAR (S, SE, W)	136.125
	121.850	LANGEN RADAR (N, NW)	120.150
	121.950		

TRANSITION ALTITUDE 5000
VAR 1° E

STANDARD DEPARTURE CHART - INSTRUMENT (SID)

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