

KASSEL-CALDEN
RNAV RWY 09

STANDARD INSTRUMENT DEPARTURE
ROUTES (SID)

Designator			Route		After Take-Off				Procedure remarks		
					Climb to		Contact				
ELNAT 1E			ELNAT ONE ECHO Climb on course 091° to VK092, to VK096, to ELNAT. Max. IAS 210 Kts until VK092.		5000 ft		BREMEN RADAR 126.655 Remain on TWR frequency until passing 2500, then contact Bremen Radar.		-		
Route Type	Path Terminator	Waypoint Identifier	Coordinates	Fly-over	(True Track) MAG Track (°)	Distance (NM)	Turn Direction	Altitude (ft) Flight Level	Speed Limit (kt IAS)	NAV Specification	Remark
Runway	CF	VK092	N 51 24 32.13 E 009 36 29.07	N	(T095.0) 091	-	-	-	210-	RNAV 1	-
Runway	TF	VK096	N 51 19 56.48 E 009 42 12.45	N	(T142.0) 138	5.8	-	-	-	RNAV 1	-
Runway	TF	ELNAT	N 51 12 15.54 E 009 41 27.56	N	(T183.5) 180	7.7	-	-	-	RNAV 1	-

Designator			Route		After Take-Off				Procedure remarks		
					Climb to		Contact				
EMBAD 1E			EMBAD ONE ECHO Climb on course 091° to VK090; LT, direct to VK093, to VK094, to EMBAD. PDG 4.4% (270ft/NM) or more until passing 2500 due to obstacle. Cross VK090 at 2160 or above. Max. IAS 200 Kts until VK093. Max. IAS 250 Kts until VK094.		5000 ft		BREMEN RADAR 126.655 Remain on TWR frequency until passing 2500, then contact Bremen Radar.		Not available for DEST EDLx and EDKx.		
Route Type	Path Terminator	Waypoint Identifier	Coordinates	Fly-over	(True Track) MAG Track (°)	Distance (NM)	Turn Direction	Altitude (ft) Flight Level	Speed Limit (kt IAS)	NAV Specification	Remark
Runway	CF	VK090	N 51 24 45.21 E 009 32 33.84	Y	(T095.0) 091	-	-	A2160+	-	RNAV 1	-
Runway	DF	VK093	N 51 28 24.15 E 009 33 11.04	N	-	-	L	-	200-	RNAV 1	-
Runway	TF	VK094	N 51 29 05.95 E 009 23 48.92	N	(T276.9) 273	5.9	-	-	250-	RNAV 1	-
Runway	TF	EMBAD	N 51 16 39.67 E 009 16 26.19	N	(T200.4) 197	13.3	-	-	-	RNAV 1	-

Designator			Route		After Take-Off				Procedure remarks		
					Climb to		Contact				
LUXUX 1E			LUXUX ONE ECHO Climb on course 091° to VK091, to VK095, to LUXUX. PDG 4.4% (270ft/NM) or more until passing 2500 due to obstacle. Cross VK091 at 2380 or above. Max. IAS 210 Kts until VK091.		5000 ft		BREMEN RADAR 126.655 Remain on TWR frequency until passing 2500, then contact Bremen Radar.		-		
Route Type	Path Terminator	Waypoint Identifier	Coordinates	Fly-over	(True Track) MAG Track (°)	Distance (NM)	Turn Direction	Altitude (ft) Flight Level	Speed Limit (kt IAS)	NAV Specification	Remark
Runway	CF	VK091	N 51 24 40.69 E 009 33 55.47	N	(T095.0) 091	-	-	A2380+	210-	RNAV 1	-
Runway	TF	VK095	N 51 26 47.30 E 009 37 32.98	N	(T047.0) 043	3.1	-	-	-	RNAV 1	-
Runway	TF	LUXUX	N 51 37 53.57 E 009 45 52.63	N	(T025.0) 021	12.3	-	-	-	RNAV 1	-

Designator			Route		After Take-Off				Procedure remarks		
					Climb to		Contact				
WERRA 1E			WERRA ONE ECHO Climb on course 091° to VK091, to VK095, to WERRA. PDG 4.4% (270ft/NM) or more until passing 2500 due to obstacle. Cross VK091 at 2380 or above. Cross WERRA at 5000 or above. Max. IAS 210 Kts until VK091.		5000 ft		BREMEN RADAR 126.655 Remain on TWR frequency until passing 2500, then contact Bremen Radar.		Altitude constraint at WERRA due to Minimum Enroute Altitude (MEA).		
Route Type	Path Terminator	Waypoint Identifier	Coordinates	Fly-over	(True Track) MAG Track (°)	Distance (NM)	Turn Direction	Altitude (ft) Flight Level	Speed Limit (kt IAS)	NAV Specification	Remark
Runway	CF	VK091	N 51 24 40.69 E 009 33 55.47	N	(T095.0) 091	-	-	A2380+	210-	RNAV 1	-
Runway	TF	VK095	N 51 26 47.30 E 009 37 32.98	N	(T047.0) 043	3.1	-	-	-	RNAV 1	-
Runway	TF	WERRA	N 51 28 12.03 E 009 44 02.84	N	(T070.8) 067	4.3	-	A5000+	-	RNAV 1	-