

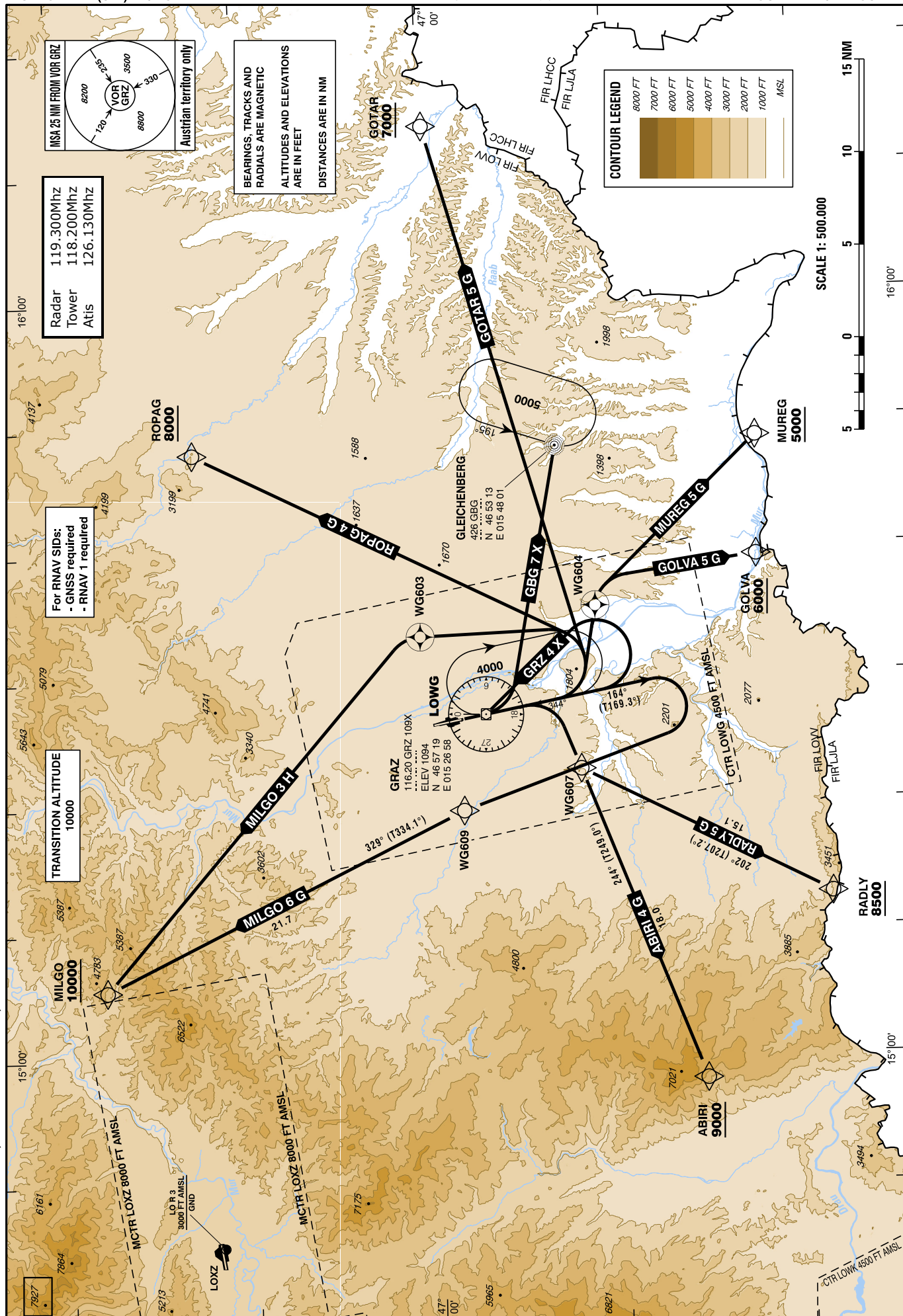
CHANGE: NDB GRZ DELETED; SID GRZ 3 W DELETED; EDITORIAL

STANDARD DEPARTURE CHART - INSTRUMENT (SID) - ICAO

VAR 5° E

GRAZ RWY 16C

GRAZ
ÖSTERREICH AUSTRIA



STANDARD DEPARTURE ROUTES - INSTRUMENT SID's

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Calculation of the SID's is based on an all - engines operative minimum net climb gradient of 3.3% (205 FT/NM). Where a greater climb gradient for a specific SID (or part of SID) is necessary this is indicated in the description of the route. For obstacles in the vicinity of the aerodrome see Aerodrome Obstacle Chart Type B. If radar vectoring is provided the climb gradient of the cleared SID shall be continued.

Aircraft unable to comply with the prescribed climb gradients shall use departure route GRZ.

To expedite traffic, ATC may request aircraft to start the initial TURN with reference to terrain as soon as practical. In this case terrain clearance has to be assured by the pilot up to 3000 FT east of aerodrome / or 3500 FT west of aerodrome.

Designator	Route	After Take-Off		Remarks						
		Climb to ..initially	Expect FREQ							
ABIRI 4 G Abiri four golf departure	Climb on track 164° to 2700 FT MSL - WG607 - ABIRI	By ATC	GRAZ RADAR 119.300 MHZ	Climb gradient at least 7,7% (470 FT/NM) until passing 2700 FT MSL, thereafter 6,0% (365 FT/NM).						
Contact GRAZ RADAR when advised by Tower										
RNAV SID Coding Table of ABIRI 4 G										
Path Terminator	Waypoint			Course/Track ° MAG (° True)	DIST NM	Turn Direction	Constraints		Navigation Specification	Remarks
	Identifier	Flyover	Coordinates				Level	Speed		
CA				164° (169.3°)			A2700		RNAV 1	
DF	WG607	no	N465214.43 E0152232.92			right		K205-	RNAV 1	
TF	ABIRI	no	N464545.01 E0145803.26	244° (249.0°)	18		A9000+		RNAV 1	

Designator	Route	After Take-Off		Remarks						
		Climb to ..initially	Expect FREQ							
GBG 7 X Gleichenberg seven x-ray departure	RNAV: Climb on track 164° to 2200 FT MSL - GBG Conventional: Climb on track 164° to 2200 FT MSL, turn LEFT to NDB Gleichenberg, enter the holding 5000 FT MSL or above	By ATC	GRAZ RADAR 119.300 MHZ	Climb gradient at least 3,3% (205 FT/NM).						
Contact GRAZ RADAR when advised by Tower										
RNAV SID Coding Table of GBG 7 X										
Path Terminator	Waypoint			Course/ Track ° MAG (° True)	DIST NM	Turn Direction	Constraints		Navigation Specification	Remarks
	Identifier	Flyover	Coordinates				Level	Speed		
CA				164° (169.3°)			A2200		RNAV 1	
DF	GBG	no	N465313.16 E0154801.15			left	A5000+		RNAV 1	

Calculation of the SID's is based on an all - engines operative minimum net climb gradient of 3.3% (205 FT/NM). Where a greater climb gradient for a specific SID (or part of SID) is necessary this is indicated in the description of the route. For obstacles in the vicinity of the aerodrome see Aerodrome Obstacle Chart Type B. If radar vectoring is provided the climb gradient of the cleared SID shall be continued.

Aircraft unable to comply with the prescribed climb gradients shall use departure route GRZ.

To expedite traffic, ATC may request aircraft to start the initial TURN with reference to terrain as soon as practical. In this case terrain clearance has to be assured by the pilot up to 3000 FT east of aerodrome / or 3500 FT west of aerodrome.

Designator	Route			After Take-Off		Remarks				
				Climb to ..initially	Expect FREQ					
GOLVA 5 G Golva five golf departure	Climb on track 164° to 2200 FT MSL - WG604 - GOLVA			By ATC	GRAZ RADAR 119.300 MHZ	Climb gradient at least 5,1% (310 FT/NM) until passing 4200 FT MSL, thereafter 3,3% (205 FT/NM).				
Contact GRAZ RADAR when advised by Tower										
RNAV SID Coding Table of GOLVA 5 G										
Path Terminator	Waypoint			Course/ Track ° MAG (° True)	DIST NM	Turn Direction	Constraints		Navigation Specification	Remarks
	Identifier	Flyover	Coordinates				Level	Speed		
CA				164° (169.3°)			A2200		RNAV 1	
DF	WG604	yes	N465137.71 E0153512.79			left		K220-	RNAV 1	
DF	GOLVA	no	N464231.57 E0153908.54			right	A6000+		RNAV 1	

Designator	Route	After Take-Off		Remarks						
		Climb to ..initially	Expect FREQ							
GOTAR 5 G Gotar five golf departure	Climb on track 164° to 2200 FT MSL - GOTAR	By ATC	GRAZ RADAR 119.300 MHZ	Climb gradient at least 4,4% (270 FT/NM) until passing 2200 FT MSL, thereafter 3,3 % (205 FT/NM).						
Contact GRAZ RADAR when advised by Tower										
RNAV SID Coding Table of GOTAR 5 G										
Path Terminator	Waypoint			Course/ Track ° MAG (° True)	DIST NM	Turn Direction	Constraints		Navigation Specification	Remarks
	Identifier	Flyover	Coordinates				Level	Speed		
CA				164° (169.3°)			A2200		RNAV 1	
DF	GOTAR	no	N465952.37 E0161329.15			left	A7000+		RNAV 1	

STANDARD DEPARTURE ROUTES - INSTRUMENT SID's

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RWY 16C

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Aircraft unable to comply with the prescribed climb gradients shall use departure route GRZ.

To expedite traffic, ATC may request aircraft to start the initial TURN with reference to terrain as soon as practical. In this case terrain clearance has to be assured by the pilot up to 3000 FT east of aerodrome / or 3500 FT west of aerodrome.

Designator	Route	After Take-Off		Remarks
		Climb to ..initially	Expect FREQ	
GRZ 4 X Graz four x-ray departure	Climb on track 164 until crossing VOR/DME GRZ and 2200 FT MSL, turn LEFT inbound to VOR/DME GRZ and enter the holding 4000 FT MSL or above	By ATC	GRAZ RADAR 119.300 MHZ	Only available for NON-RNAV equipped aircraft.
Contact GRAZ RADAR when advised by Tower				

Designator	Route	After Take-Off		Remarks
		Climb to ..initially	Expect FREQ	
MILGO 6 G Milgo six golf departure	Climb on track 164° to 3500 FT MSL - WG609 - MILGO	By ATC	GRAZ RADAR 119.300 MHZ	Climb gradient at least 3,7% (225 FT/NM).
Contact GRAZ RADAR when advised by Tower				

RNAV SID Coding Table of MILGO 6 G

Path Terminator	Waypoint			Course/ Track ° MAG (° True)	DIST NM	Turn Direction	Constraints		Navigation Specification	Remarks
	Identifier	Flyover	Coordinates				Level	Speed		
CA				164° (169.3°)			A3500		RNAV 1	
DF	WG609	no	N465836.81 E0151924.32			right		K205-	RNAV 1	
TF	MILGO	no	N471806.16 E0150529.94	329° (334.1°)	21.7		A10000+		RNAV 1	

Designator	Route	After Take-Off		Remarks
		Climb to ..initially	Expect FREQ	
MILGO 3 H Milgo three hotel departure	Climb on track 164° to 2200 FT MSL - WG603 - MILGO	By ATC	GRAZ RADAR 119.300 MHZ	Climb gradient at least 4,0% (245 FT/NM).
Contact GRAZ RADAR when advised by Tower				

RNAV SID Coding Table of MILGO 3 H

Path Terminator	Waypoint			Course/ Track ° MAG (° True)	DIST NM	Turn Direction	Constraints		Navigation Specification	Remarks
	Identifier	Flyover	Coordinates				Level	Speed		
CA				164° (169.3°)			A2200		RNAV 1	
DF	WG603	yes	N470046.32 E0153311.43			left	A5000+	K205-	RNAV 1	
DF	MILGO	no	N471806.16 E0150529.94			left	A10000+		RNAV 1	

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Aircraft unable to comply with the prescribed climb gradients shall use departure route GRZ.
To expedite traffic, ATC may request aircraft to start the initial TURN with reference to terrain as soon as practical. In this case terrain clearance has to be assured by the pilot up to 3000 FT east of aerodrome / or 3500 FT west of aerodrome.

Designator	Route	After Take-Off		Remarks						
		Climb to ..initially	Expect FREQ							
MUREG 5 G Mureg five golf departure	Climb on track 164° to 2200 FT MSL - WG604 - MUREG	By ATC	GRAZ RADAR 119.300 MHZ	Climb gradient at least 3,3% (205 FT/NM).						
Contact GRAZ RADAR when advised by Tower										
RNAV SID Coding Table of MUREG 5 G										
Path Terminator	Waypoint			Course/ Track ° MAG (° True)	DIST NM	Turn Direction	Constraints		Navigation Specification	Remarks
	Identifier	Flyover	Coordinates				Level	Speed		
CA				164° (169.3°)			A2200		RNAV 1	
DF	WG604	yes	N465137.71 E0153512.79			left		K220-	RNAV 1	
DF	MUREG	no	N464224.25 E0154828.98			right	A5000+		RNAV 1	

Designator	Route	After Take-Off		Remarks						
		Climb to ..initially	Expect FREQ							
RADLY 5 G Radly five golf departure	Climb on track 164° to 2200 FT MSL - WG607 - RADLY	By ATC	GRAZ RADAR 119.300 MHZ	Climb gradient at least 5,2% (320 FT/NM).						
Contact GRAZ RADAR when advised by Tower										
RNAV SID Coding Table of RADLY 5 G										
Path Terminator	Waypoint			Course/ Track ° MAG (° True)	DIST NM	Turn Direction	Constraints		Navigation Specification	Remarks
	Identifier	Flyover	Coordinates				Level	Speed		
CA				164° (169.3°)			A2200		RNAV 1	
DF	WG607	no	N465214.43 E0152232.92			right		K205-	RNAV 1	
TF	RADLY	no	N463848.69 E0151233.03	202° (207.2)	15.1	left	A8500+		RNAV 1	

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Aircraft unable to comply with the prescribed climb gradients shall use departure route GRZ.

To expedite traffic, ATC may request aircraft to start the initial TURN with reference to terrain as soon as practical. In this case terrain clearance has to be assured by the pilot up to 3000 FT east of aerodrome / or 3500 FT west of aerodrome.

Designator	Route	After Take-Off		Remarks						
		Climb to ..initially	Expect FREQ							
ROPAG 4 G Ropag four golf departure	Climb on track 164° to 2200 FT MSL - ROPAG	By ATC	GRAZ RADAR 119.300 MHZ	Climb gradient at least 4,0% (245 FT/NM).						
Contact GRAZ RADAR when advised by Tower										
RNAV SID Coding Table of ROPAG 4 G										
Path Terminator	Waypoint			Course/ Track ° MAG (° True)	DIST NM	Turn Direction	Constraints		Navigation Specification	Remarks
	Identifier	Flyover	Coordinates				Level	Speed		
CA				164° (169.3°)			A2200		RNAV 1	
DF	ROPAG	no	N471249.04 E0154757.72			left	A8000+		RNAV 1	

RNAV Holding								
Holding Point	Inbound Track ° True	Inbound Track ° MAG	Turn Direction	MAX IAS	Minimum Holding Altitude FT MSL / FL	Time	DIST NM	Remarks
GBG	200.3°	195°	left		A5000	1 MIN		