

**RAFIC HARIRI INTL BEIRUT**  
**STANDARD DEPARTURES ROUTES – INSTRUMENT (SID) RWY 21 OR (17)**

General instructions.

Air traffic gradient 5 % minimum

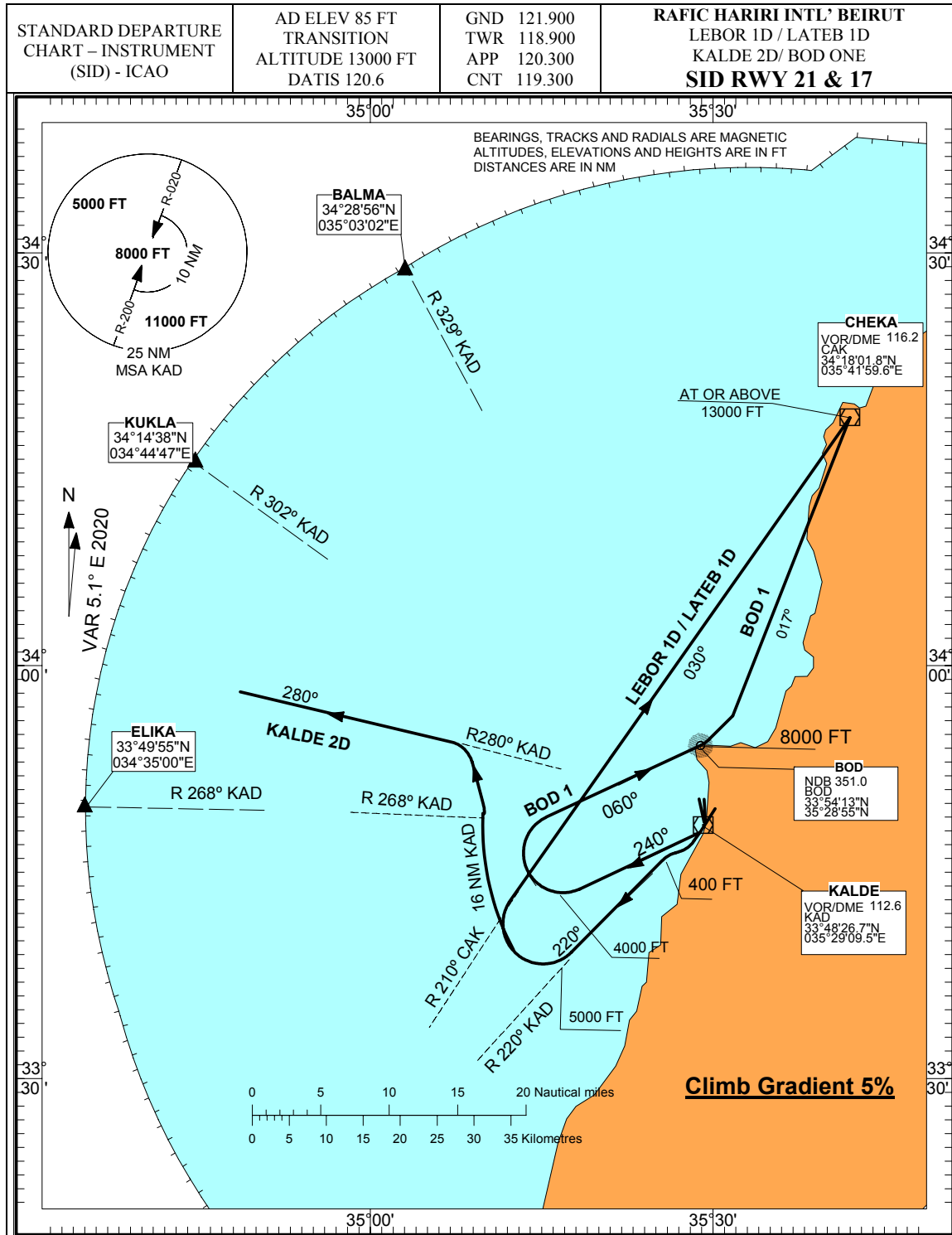
If Aircraft unable to comply with these SIDs, pilots must advise ATC from start-up request.

Noise abatement:

All take-offs must comply with the configuration and the climb rating in accordance with noise reduction depending on the current operational conditions.

The routes are established for noise abatement reasons. Strict adherence within the limits of aircraft performance is mandatory.

DESIGNATOR	ROUTE	CLIMB INSTRUCTION
LEBOR 1D  LEBOR One Delta Departure	At (400 FT) turn right and intercept KAD R220. At 5000 FT turn right to establish on CAK R210 to CAK. After CAK proceed to LEBOR.  <b>Remarks</b> : Procedure Design gradient is 4.1 %. The critical obstacle 506 FT, is located at 4260m from DER and 1240 m left to axis.	Climb Gradient 5 %. Cross CAK at or above 13000 FT. Cross LEBOR at or above FL 240
KALDE 2D  KALDE Two Delta Departure	At (400 FT) turn right and intercept KAD R220. At 5000 FT turn right to follow 16 DME KAD arc, at KAD R268 turn left to follow KAD R280 and then join the proper airway when cleared by ATC.  <b>Remarks</b> : Procedure Design gradient is 4.1 %. The critical obstacle 506 FT, is located at 4260m from DER and 1240 m left to axis.	Climb Gradient 5 %
LATEB 1D  LATEB One Delta Departure	At (400 FT) turn right and intercept KAD R220. At 5000 FT turn right establish on CAK R210 to CAK. After CAK proceed to LATEB.  <b>Remarks</b> : Procedure Design gradient is 4.1 %. The critical obstacle 506 FT, is located at 4260m from DER and 1240 m left to axis.	Climb Gradient 5 %. Cross CAK at or above 13000 FT. Cross LATEB at or above FL 290.
BOD 1 BOD One Departure	After take-off turn right heading 240°, when passing 4000 feet AMSL turn RIGHT, intercept 060° bearing to BOD NDB (351 KHZ), then along airway N438 to CAK DVOR/DME (116.2 MHZ), then LEBOR or LATEB	Climb gradient 5% Cross BOD at or above 8000ft Cross CAK at or above 13000 ft Cross LEBOR at or above FL240 Cross LATEB at or above FL290 or as cleared by ATC



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