



**IOANNINA
SIDs**

VOR/DME YNN RWY 14

SIDs : IBTIN 1B, ROTSA 1B, NIDRI 1B, PARAX 1H, VJOSA 1B, TUMBO 1B, DIMIS 1B, KAS 1B, PIKOS 1B, LUSES 1B

GENERAL:

1. A visual climb up to 700ft of height (or 2300ft of altitude) is required due to the obstacle in bearing 160° (TRUE) and distance 0.74nm from DER RWY 14 at 526ft of height (or 2083ft of altitude).
2. When for these SIDs an altitude higher than the transition altitude is designated, then an ATC unit shall specify an equivalent flight level.
3. Max IAS 210Kt and Bank Angle 15° for initial turns.
4. For these SIDs a minimum PDG (Procedure Design Gradient) up to a specified altitude is required as it is described below:
IBTIN 1B : 5.6% (340ft/nm) up to 7000ft for obstacle clearance purposes and then up to FL 100 for ATC purposes.
NIDRI 1B, ROTSA 1B, PARAX 1H, VJOSA 1B, TUMBO 1B, KAS 1B, DIMIS 1B, PIKOS 1B:
5.6% (340ft/nm) up to 7000ft for obstacle clearance purposes and then up to 9000ft for ATC purposes.
LUSES 1B: 5.6% (340ft/nm) up to FL100 for obstacle clearance purposes and then 4.1% (250ft/nm) up to FL110 for ATC purposes.

IBTIN 1B:

“Climb on R132 YNN. At R132 YNN/5 DME.Fix turn right (IAS MAX 210kt, Bank Angle 15°) to track 198°, intercept and follow R153 YNN. At R153 YNN/14 DME.Fix turn right (IAS MAX 210kt, Bank Angle 15°) to track 211°, intercept and follow R166 YNN, join AWY V60/L611 and proceed to IBTIN. Arrange to reach 3000ft or above by R132 YNN/5 DME.Fix, 6500ft or above by R153 YNN/14 DME.Fix and FL100 or above by IBTIN (R166 YNN/23 DME.Fix).”

RO TSA 1B:

“Climb on R132 YNN. At R132 YNN/13 DME.Fix turn right (IAS MAX 210kt, Bank Angle 15°) and proceed to YNN. After YNN turn left (IAS MAX 230kt, Bank Angle 25°) to track 139°, intercept and follow R184 YNN, join AWY N731 and proceed to ROTSA. Arrange to reach 3000ft or above by R132 YNN/5 DME.Fix, 5700ft or above by R132 YNN/13 DME.Fix , 9000ft or above by YNN and FL100 or above by R184 YNN/23 DME.Fix.”

NIDRI 1B:

“Climb on R132 YNN. At R132 YNN/13 DME.Fix turn right (IAS MAX 210kt, Bank Angle 15°) and proceed to YNN. After YNN turn left (IAS MAX 230kt, Bank Angle 25°) to track 153°, intercept and follow R198 YNN, join AWY T352 and proceed to NIDRI. Arrange to reach 3000ft or above by R132 YNN/5 DME.Fix, 5700ft or above by R132 YNN/13 DME.Fix , 9000ft or above by YNN and FL100 or above by R198 YNN/21 DME.Fix.”

PARAX 1H:

“Climb on R132 YNN. At R132 YNN/13 DME.Fix turn right (IAS MAX 210kt, Bank Angle 15°) and proceed to YNN. After YNN turn left (IAS MAX 230kt, Bank Angle 25°) to track 196°, intercept and follow R241 YNN, join AWY G12/M600 and proceed to PARAX. Arrange to reach 3000ft or above by R132 YNN/5 DME.Fix, 5700ft or above by R132 YNN/13 DME.Fix , 9000ft or above by YNN. ”

VJOSA 1B:

“Climb on R132 YNN. At R132 YNN/13 DME.Fix turn right (IAS MAX 210kt, Bank Angle 15°) and proceed to YNN. After YNN turn left (IAS MAX 230kt, Bank Angle 25°), intercept and follow R305 YNN, join AWY L613 and proceed to VJIOSA. Arrange to reach 3000ft or above by R132 YNN/5 DME.Fix, 5700ft or above by R132 YNN/13 DME.Fix , 9000ft or above by YNN and FL120 or above by R305 YNN/18 DME.Fix.”

TUMBO 1B:

“Climb on R132 YNN. At R132 YNN/13 DME.Fix turn right (IAS MAX 210kt, Bank Angle 15°) and proceed to YNN. After YNN turn left (IAS MAX 230kt, Bank Angle 25°), intercept and follow R319 YNN, join AWY L611 and proceed to TUMBO. Arrange to reach 3000ft or above by R132 YNN/5 DME.Fix, 5700ft or above by R132 YNN/13 DME.Fix ,9000ft or above by YNN and FL120 or above by R319 YNN/18 DME.Fix.”

DIMIS 1B:

“Climb on R132 YNN. At R132 YNN/13 DME.Fix turn right (IAS MAX 210kt, Bank Angle 15°) and proceed to YNN. After YNN turn left (IAS MAX 230kt, Bank Angle 25°), intercept and follow R330 YNN, join AWY L604 and proceed to DIMIS. Arrange to reach 3000ft or above by R132 YNN/5 DME.Fix, 5700ft or above by R132 YNN/13 DME.Fix ,9000ft or above by YNN and FL120 or above by R330 YNN/19 DME.Fix.”

KAS 1B:

“Climb on R132 YNN. At R132 YNN/13 DME.Fix turn right (IAS MAX 210kt, Bank Angle 15°) and proceed to YNN. After YNN turn right (IAS MAX 230kt, Bank Angle 25°), intercept and follow R020 YNN, join AWY N731 and proceed to KAS. Arrange to reach 3000ft or above by R132 YNN/5 DME.Fix, 5700ft or above by R132 YNN/13 DME.Fix ,9000ft or above by YNN and FL120 or above by R020 YNN/9 DME.Fix.”

PIKOS 1B:

“Climb on R132 YNN. At R132 YNN/13 DME.Fix turn right (IAS MAX 210kt, Bank Angle 15°) and proceed to YNN. After YNN turn right (IAS MAX 230kt, Bank Angle 25°) to track 105°, intercept and follow R060 YNN, join AWY G12/M600 and proceed to PIKOS. Arrange to reach 3000ft or above by R132 YNN/5 DME.Fix, 5700ft or above by R132 YNN/13 DME.Fix , 9000ft or above by YNN and FL120 or above by R060 YNN/9 DME.Fix.”

LUSES 1B:

“Climb on R132 YNN. At R132 YNN/13 DME.Fix turn right (IAS MAX 210kt, Bank Angle 15°) and proceed to YNN. After YNN turn right (IAS MAX 230kt, Bank Angle 25°) to track 147°, intercept and follow R102 YNN, join AWY V651/Y121 and proceed to LUSES. Arrange to reach 3000ft or above by R132 YNN/5 DME.Fix, 5700ft or above by R132 YNN/13 DME.Fix, 9000ft or above by YNN, FL100 or above by R102 YNN/10 DME.Fix and FL110 or above by R102 YNN/14 DME.Fix.”