

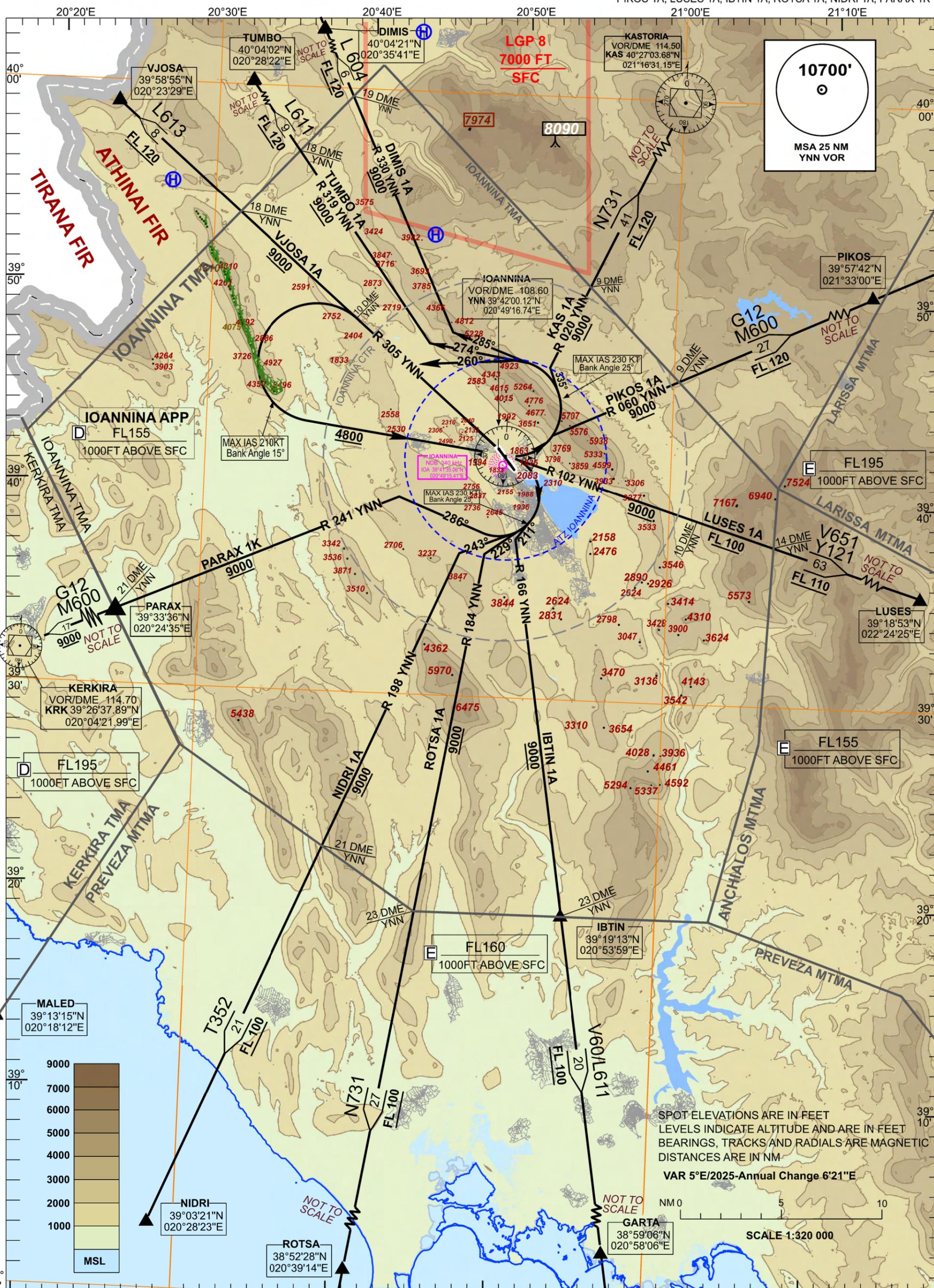
STANDARD DEPARTURE CHART - INSTRUMENT (SID) - ICAO

IOANNINA/ KING PYRROS VOR/DME RWY 32

VJOSA 1A, TUMBO 1A, DIMIS 1A, KAS 1A PIKOS 1A, LUSES 1A, IBTIN 1A, ROTSA 1A, NIDRI 1A, PARAX 1K

TRANSITION ALTITUDE 9000 ft

TWR 132.200 APP 118.600



Changes: AWYs Y121, L611

**IOANNINA  
SIDs****VOR/DME YNN RWY32****SIDs : IBTIN 1A, ROTSA 1A, NIDRI 1A, PARAX 1K, VIOSA 1A, TUMBO 1A, DIMIS 1A, KAS 1A, PIKOS 1A, LUSES 1A****GENERAL:**

1. A visual climb up to 950ft of height (or 2500ft of altitude) is required due to the following obstacles :
  - 1a. True Bearing 291<sup>0</sup> and distance 1.96nm from DER RWY 32 at 575 ft of height or 2125 ft of altitude.
  - 1b. True Bearing 301<sup>0</sup> and distance 2.5nm from DER RWY 32 or 490 ft of height or 2040 ft of altitude.
  - 1c. True Bearing 291<sup>0</sup> and distance 2.9nm from DER RWY 32 or 736 ft of height or 2306 ft 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<sup>0</sup> 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 1A :**  
5.6% (340ft/nm) is required up to 9000ft for obstacle clearance purposes and then up to the minimum route altitude for ATC purposes.  
**NIDRI 1A, ROTSA 1A, PARAX 1K, VJOSA 1A, TUMBO 1A, KAS 1A, DIMIS 1A, PIKOS 1A :**  
5.6%(340ft/nm) up to 9000ft for obstacle clearance purposes.  
**LUSES 1A:** 5.6% (340ft/nm) up to FL100 for obstacle clearance purposes and then 4.1% (25ft/nm) up to FL 110 for ATC purposes.

**IBTIN 1A:**

"Climb on R305 YNN. At R305 YNN/10 DME.Fix turn left (IAS MAX 210 KT, Bank Angle 15<sup>0</sup>) and proceed to YNN. Then turn right (IAS MAX 230 KT, Bank Angle 25<sup>0</sup>) to track 211<sup>0</sup>, intercept and follow R166 YNN, join AWY V60/L611 and proceed to IBTIN. Arrange to reach 4800ft or above by R305 YNN/10 DME.Fix, 9000ft or above by YNN and FL100 or above by IBTIN (R166 YNN/23 DME.Fix)."

**RO TSA 1A:**

"Climb on R305 YNN. At R305 YNN/10 DME.Fix turn left (IAS MAX 210 KT, Bank Angle 15<sup>0</sup>) and proceed to YNN. Then turn right (IAS MAX 230 KT, Bank Angle 25<sup>0</sup>) to track 229<sup>0</sup>, intercept and follow R184 YNN, join AWY N731 and proceed to ROTSA. Arrange to reach 4800ft or above by R305 YNN/10 DME.Fix, 9000ft or above by YNN and FL 100 or above by R184 YNN/23 DME.Fix."

**NIDRI 1A:**

"Climb on R305 YNN. At R305 YNN/10 DME.Fix turn left (IAS MAX 210 KT, Bank Angle 15<sup>0</sup>) and proceed to YNN. Then turn right (IAS MAX 230 KT, Bank Angle 25<sup>0</sup>) to track 243<sup>0</sup>, intercept and follow R198 YNN, join AWY T352 and proceed to NIDRI. Arrange to reach 4800ft or above by R305 YNN/10 DME.Fix, 9000ft or above by YNN and FL 100 or above by R198 YNN/21 DME.Fix."

**PARAX 1K:**

"Climb on R305 YNN. At R305 YNN/10 DME.Fix turn left (IAS MAX 210 KT, Bank Angle 15<sup>0</sup>) and proceed to YNN. Then turn right (IAS MAX 230 KT, Bank Angle 25<sup>0</sup>) to track 286<sup>0</sup>, intercept and follow R241 YNN, join AWY G12/M600 and proceed to PARAX. Arrange to reach 4800ft or above by R305 YNN/10 DME.Fix, 9000ft or above by YNN."

**VJOSA 1A:**

"Climb on R305 YNN. At R305 YNN/10 DME.Fix turn left (IAS MAX 210 KT, Bank Angle 15<sup>0</sup>) and proceed to YNN. Then turn left (IAS MAX 230 KT, Bank Angle 25<sup>0</sup>) to track 260<sup>0</sup>, intercept and follow R305 YNN, join AWY L613 and proceed to VJOSA. Arrange to reach 4800ft or above by R305 YNN/10 DME.Fix, 9000ft or above by YNN and FL 120 or above by R305 YNN/18 DME.Fix."

**TUMBO 1A:**

"Climb on R305 YNN. At R305 YNN/10 DME.Fix turn left (IAS MAX 210 KT, Bank Angle 15<sup>0</sup>) and proceed to YNN. Then turn left (IAS MAX 230 KT, Bank Angle 25<sup>0</sup>) to track 274<sup>0</sup>, intercept and follow R319 YNN, join AWY L611 and proceed to TUMBO. Arrange to reach 4800ft or above by R305 YNN/10 DME.Fix, 9000ft or above by YNN and FL 120 or above by R319 YNN/18 DME.Fix."

**DIMIS 1A:**

"Climb on R305 YNN. At R305 YNN/10 DME.Fix turn left (IAS MAX 210 KT, Bank Angle 15<sup>0</sup>) and proceed to YNN. Then turn left (IAS MAX 230 KT, Bank Angle 25<sup>0</sup>) to track 285<sup>0</sup>, intercept and follow R330 YNN, join AWY L604 and proceed to DIMIS. Arrange to reach 4800ft or above by R305 YNN/10 DME.Fix, 9000ft or above by YNN and FL 120 or above by R330 YNN/19 DME.Fix."

**KAS 1A:**

"Climb on R305 YNN. At R305 YNN/10 DME.Fix turn left (IAS MAX 210 KT, Bank Angle 15<sup>0</sup>) and proceed to YNN. Then turn left (IAS MAX 230 KT, Bank Angle 25<sup>0</sup>) to track 335<sup>0</sup>, intercept and follow R020 YNN, join AWY N731 and proceed to KAS. Arrange to reach 4800ft or above by R305 YNN/10 DME.Fix, 9000ft or above by YNN and FL 120 or above by R020 YNN/9 DME.Fix."

**PIKOS 1A:**

"Climb on R305 YNN. At R305 YNN/10 DME.Fix turn left (IAS MAX 210 KT, Bank Angle 15<sup>0</sup>) and proceed to YNN. Then turn left (IAS MAX 230 KT, Bank Angle 25<sup>0</sup>) intercept and follow R060 YNN, join AWY G12/M600 and proceed to PIKOS. Arrange to reach 4800ft or above by R305 YNN/10 DME.Fix, 9000ft or above by YNN and FL 120 or above by R060 YNN 9/DME.Fix."

**LUSES 1A:**

"Climb on R305 YNN. At R305 YNN/10 DME.Fix turn left (IAS MAX 210 KT, Bank Angle 15<sup>0</sup>) and proceed to YNN. Intercept and follow R102 YNN, join AWY V651/Y121 and proceed to LUSES. Arrange to reach 4800ft or above by R305 YNN/10 DME.Fix, 9000ft or above by YNN. FL 100 or above by R102 YNN 10/DME.Fix and FL 110 or above by R102 YNN/14DME.Fix."