

C101CC – M10 – Crosswind VOR, ADF & ILS from Mineralnye-Vody to Nalchik

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This is the tenth on a set of C-101CC Practice Missions set on Caucasus on early 2001, during a fictional training exchange between the Air Forces of Jordan and Rusia.

Mission 10: May 18th 2001

Today's mission objective is to practice Crosswind VOR and ADF navigation, plus an ILS approach on the C-101CC, on a flight from Mineralnye Vody to Nalchik.

Skills to practice are:

- Tracking VOR Stations under crosswind
- Tracking NDB Stations with crosswind
- Low light flying.
- ILS Landing with Crosswind



Weather:

The weather is cloudy, with 5 m/s wind from the South.
Starting time is 20:00

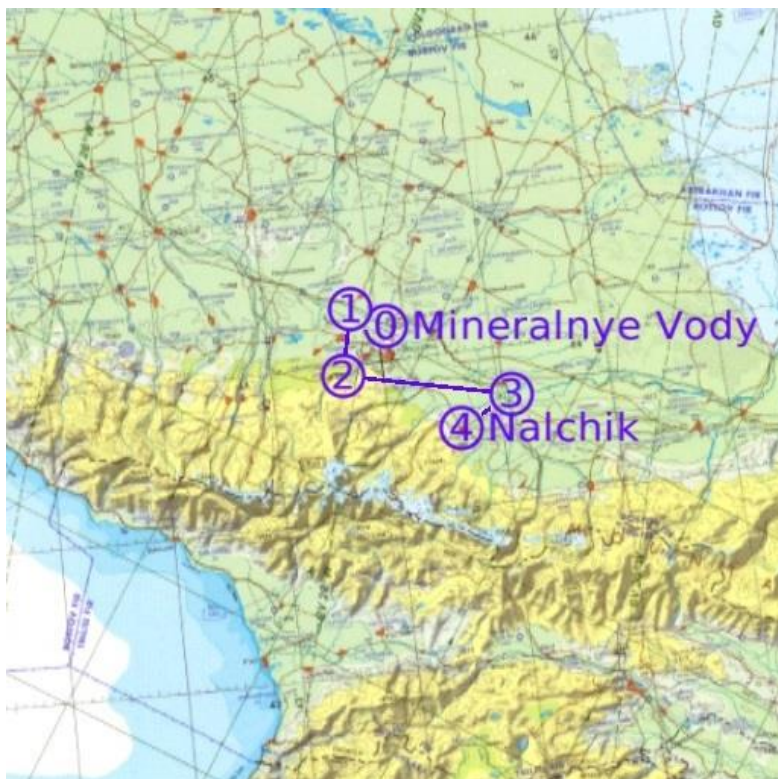
Flight Path:

wp1: Course 290° (magnetic) until NDB 995 kHz is at 180°

wp2: 180° until reaching NDB 995 kHz

wp3: 90° towards NDB 735 kHz until intercept Nalchik ILS 110.5 MHz

wp5: 230° Land at Nalchik airbase.



Navigation:

Use the following Nav Stations:

117.1 MHz, MN, Mineralnye Vody VOR

995 kHz, KW, Nezhinskiy NDB

735 kHz, BJ, Troickaya NDB

Near destination, use Nalchik's ILS to approach the runway, tune to 110.50 MHz

Comm:

UHF Preset 1: ATC Mineralnye Vody

UHF Preset 2: ATC Nalchik

Notes:

- Maintain 5000 feet MSL & 250 Knots IAS, during the flight.
- Be careful of other air traffic on the area.
- When near the destination, change UHF radio to Preset 2 and contact ATC for landing clearance.
- Begin descent when nearing Wp3.

Results Points:

+20 for each Waypoint reached with less than 2 Km of deviation.

+10, for reaching Wp2 within specified altitude (5000 ft +/- 200)

+10, for reaching Wp2 within specified speed (250 knts +/- 30)

+10 for a landing with Vertical Speed within 5 m/sec

+20 for a landing with Vertical Speed within 2 m/sec

-15 if you damage the plane during landing

-50 if you crash or eject.

Max possible Results: 100