



PHRASEOLOGY MANUAL

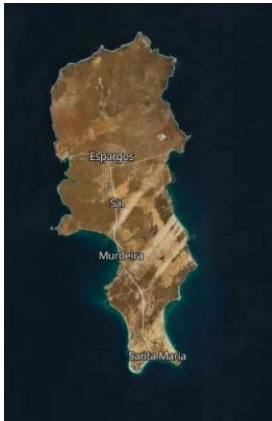
Communication with air traffic controllers - simplified phraseology

Let's assume that:

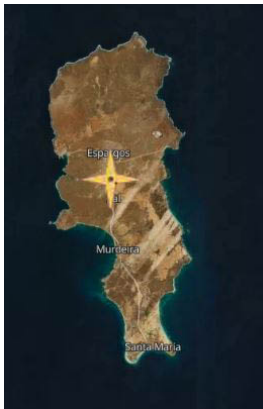
- You are at the departure airport, ready to start your flight to destination;
- You have Ivao's Pilot Client open;
- Flight Plan sent.

1. – Check if you have an Air Traffic Controller at your aerodrome. You can do this by checking at <https://webeye.ivao.aero/> . What you can expect:

1.1 – No ATC.



1.2 – DELIVERY TOWER (Example: GVAC_DEL)



1.3 – TOWER (Example: LFLL_TWR)



1.4 – APPROACH (Example: GVAC_APP or LFRB_APP)



1.5 – CENTER (Example: SBAZ_CTR)



Quick explanation about the action of those ATC:

DELIVERY TOWER - DEL

Clearance of the flight plan previously sent by the pilot and assignment of transponder code. Once this is done, DEL passes the pilot to GRD.

GROUND TOWER – GRD

Request for push-back, engine start-up and taxi to the holding point of the runway in use. Once there, GRD passes the pilot to TWR.

TOWER – TWR

Clear the pilot to line up and take off and authorizes the take-off, asking him to call the DEP or the APP

DEPARTURE TOWER – DEP or APPROACH TOWER - APP

- Some airports have both positions. Otherwise, APP also plays the role of DEP.

Monitors the aircraft in the process of leaving the airport airspace towards the first point on the route of his flight plan (SID). Once this is done, he asks the pilot to contact the CTR.

CENTER TOWER – CTR

Monitors the flight while it is in national airspace. In the case of an international flight, CTR requests to contact the following CTR in route.

Otherwise, upon reaching the descent point, the pilot informs that he is "ready for descent". At this point, the CTR will instruct and accompany the aircraft until it arrives at the last point on the flight plan route before the entry process towards the destination airport airspace (STAR).

And from here, everything is processed in reverse order:

CTR -> APP -> TOWER -> GRD.

CTR passes the aircraft to the **APP** that monitor him until it is aligned with the runway (visual or by ILS), passing it at this point to the TWR. **TWR** authorizes the pilot to land and accompanies the aircraft until it leaves the runway, asking him to contact the GRD. **GRD** instructs the pilot to taxi to the destination gate or ramp and accompanies him until the engines are turned off.

In the IVAO's simulation, when a station hierarchically below is not online, the one that is present can play its role.

Ex.: If the APP is online and there are no more stations, it can play the role of the stations hierarchically below: TWR, GRD and DEL. In this case, it is prohibited to do CTR, if he does not have qualifications.

NOTE: In Cape Verde, GVAC_APP (Sal approach) is responsible for the approach to all airports, passing the aircraft to the TWR of the destination airport, when the alignment with the runway is stabilized by ILS or visual.

PHRASEOLOGY

Let's say you have a flight from Sal (GVAC) to Dakar (GOBD). You have already checked the METAR, so you have information letter of that METAR onboard (Information Alpha, Bravo, Charlie, etc.). Your callsign is KRIOL 010

Put the ATC frequency on your radio. Your first contact with the online controller should be (let's imagine that is the TWR controller – no DEL or GRD online today):

PILOT:

Tower, good day, KRIOL 010, at stand (x) requests clearance to DAKAR as filed, with information (y) onboard.

TWR:

KRIOL 010, good day, Sal Tower, Flight Plan approved to GOBD, Flight Level 310, departure IRPOT1A, out of runway 01, Squawk 1030.

PILOT (read back):

Flight Plan approved departure IRPOT1A, runway 01, Squawk 1030, KRIOL 010.

TWR:

KRIOL 010, read back is correct, report ready for push and start.

PILOT (read back):

Roger that, we will report ready for push and start.

When ready:

PILOT:

Tower, KRIOL 010 is ready for push and start.

TWR:

KRIOL 010, push and start facing North (South, West, East). Report when ready for taxi.

PILOT (read back):

Push and start facing North (South, West, East), will report ready, KRIOL 010.

After push back and start:

PILOT:

Tower, KRIOL 010 is ready for taxi.

TWR:

KRIOL 010, taxi to holding point runway 01, via B, A, C. QNH 1015.

PILOT (read back):

QNH 1015. Taxi to holding point runway 01, via B, A, C, KRIOL 010.

Reaching holding point Rwy01:

PILOT:

Tower, KRIOL 010 reaching H/P Rwy01. Ready for departure.

TWR:

KRIOL 010, Line up and wait Rwy01.

PILOT (read back):

Line up and wait Rwy01, KRIOL 010.

After that:

TWR:

KRIOL 010, winds 080/10, Rwy01, you're cleared for takeoff.

PILOT (read back):

Cleared for takeoff Rwy01, KRIOL 010.

After takeoff:

TWR:

KRIOL 010, switch to Approach, 126.4 (One-Two-Six-Decimal-Four). Have a nice flight.

PILOT (read back):

126.4, thank you Sir, have a nice day.

After insert 126.4

PILOT:

Approach, good day, KRIOL 010 with you.

APP:

KRIOL 010, good day, Sal Approach, radar contact, passing now (xxxx feet) continue climb as filed (or climb to x000 feet).

PILOT (read back):

Continue as filed (or climb to x000 feet), KRIOL 010.

Reaching the boundaries of APP air space, **if there is a CTR:**

APP:

KRIOL 010, switch to CENTER 128.3. Have a nice flight.

PILOT (read back):

128.3, thank you Sir, have a nice day.

If there isn't a CTR:

APP:

KRIOL 010, you are leaving my air space, no further stations ahead, switch to UNICOM, 122.8. Have a nice flight.

PILOT (read back):

Switching to UNICOM 122.8, thank you Sir, have a nice day.

If there is a CTR:

PILOT:

Center, good day, KRIOL 010 with you.

CTR:

KRIOL 010, good day, Sal Center, radar contact, continue as filed (or fly direct to xxxxx, or climb/descent to Flight Level yyy)

PILOT (read back):

Continue as filed (or fly direct to xxxxx, or climb/descent to Flight Level yyy), KRIOL 010.

When reaching Senegal air space:

CTR:

KRIOL 010 contact Senegal Center, 129.5

PILOT (read back):

Senegal Center, 129.5, KRIOL 010.

After switching to Senegal Center:

PILOT:

Center, good day, KRIOL 010 with you.

CTR:

KRIOL 010, good day, Senegal Center, radar contact, continue as filed (or fly direct to xxxxx, or climb/descent to Flight Level yyy)

PILOT (read back):

Continue as filed (or fly direct to xxxxx, or climb/descent to Flight Level yyy), KRIOL 010.

When pilot reaches the Top of Descent:

PILOT:

Center, KRIOL 010 requests descent.

CTR:

KRIOL 010 descent to FL yyy.

PILOT (read back):

Descent to FL yyy, KRIOL 010.

Reaching the boundaries of APP air space:

CTR:

KRIOL 010, contact Dakar Approach on 120.5. Have a good day.

PILOT (read back):

APP on 120.5, KRIOL 010. Have a nice day, sir.

Switching to Dakar Approach:

PILOT:

Approach, good day, KRIOL 010 with you, descending to FLxxx (or yyyy feet).

APP:

KRIOL 010, good day, Dakar Approach, continue descent to yyyy feet, QNH ZZZZ. Expect vectors to visual Rwy19 (or expect XXXX approach to Rwy01).

PILOT (read back):

Continue descent to yyyy feet, QNH ZZZZ. Expect vectors to visual Rwy19 (or expect XXXX approach to Rwy01), KRIOL 010.

The APP guides the pilot until he his established on Localizer Rwy 01 (or have runway insight)

APP:

KRIOL 010, contact Tower on 118.8, good day.

PILOT (read back):

Tower on 118.8, KRIOL 010. good day, sir.

Switching to Dakar Tower:

PILOT:

Tower, good day, KRIOL 010, full established on Rwy 01 (or Rwy 19 insight)

TWR:

KRIOL 010, good day, Dakar Tower, winds 050/05, Rwy01 (or Rwy 19), you're cleared to land.

PILOT (read back):

Cleared to land, Rwy01 (or 19), KRIOL 010.

After landing and leaving the runway, if there is a Ground Tower, the pilot is asked to switch to this station. Tower will conduct the pilot to his gate, via taxiways X, Y, Z. Once at the gate the pilot announces:

PILOT:

KRIOL 010 on blocs.

TWR (or GRD):

KRIOL 010, Welcome to Dakar, switch to UNICOM, 122.8. Bye bye.

PILOT (read back):

Unicom on 122.8, thank you for your service, have a nice day. Bye.

The pilot may now turn off the Ivao's Pilot Client, Aurora.

That's all for today. Nice flights, Captains.

acv

STAFF