



IVAO
INDIA

SPECIAL OPERATIONS DEPARTMENT



MASTER PLAN

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FALCON REVIVAL

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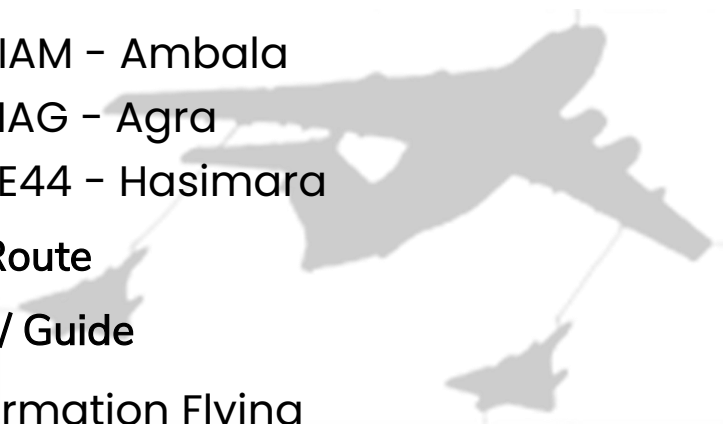
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FALCON REVIVAL

1. Introduction

After 10 years of dormancy, No. 101 Squadron (*Falcons of Chhamb*) is being raised again at **Hasimara Air Force Station (VE44)** with the arrival of top notch French fighter jets, Dassault Rafale.

Completing the delivery flight from Merignac to Ambala, the aircrafts are serviced and crew fed and rested to complete the next stage of journey to Hasimara.

En-route pilots are to practice mid-air refuelling to get in rhythm with their new jets.

To cater for the request, No. 78 Squadron (*Valorous MARS*), based at **Agra Air Force Station (VIAG)**, have dispatched their tankers to set up a mid-air refuelling station over **BY NDB (Bareilly)**.

Once refuelled, the fighters are to continue their journey to Hashimara while the tankers will return to their base, Agra AFS.



FALCON REVIVAL

2. Operation Briefing

The operation is divided into two parts for the receivers and refuellers. Coordination for the event will be done via Special Operations Discord channel, 30 mins prior to the event start time. Ensure you have joined the server. During the event you will need to communicate with both the controllers on frequency and the other squadron over Discord. You will be asked to switch over to each the at appropriate time.

While we publish the equipment used by each squadron and recommend you use it, you may fly any appropriate aircraft that matches the role.

2.1. No. 101 Squadron (Fighters/Receivers)

You will start your flight at **Ambala Air Force Station (VIAM)** with your squadron which will consist of a flight lead handling ATC communications and 3 wingmen following in close formation.

Groups will bear the callsign *Falcon* followed by a alpha-numeric suffix .



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Each group must **spawn on the active runway at the precise given time**, ready to depart within 5 minutes of connecting online to allow the next group to start their flight.

The routing for your flight is published in section 4 of this Master plan.

Once airborne follow the route to BY which lies within VIR-147B airspace and enter the hold as published. ATC will assign an initial 1000ft separation in terms of altitude till you have the tanker in sight.

Once visually confirmed the controller will ask you to, switch to Discord voice channel to coordinate with the tanker crew. Confirm the number of refuelling hose the tanker is equipped with and once the tanker crew clear you to make the approach, ensure you have **set your altimeter to STD i.e 1013.2Hpa or 29.92inHg** and set your transponder to STBY and make the approach from rear.

You will be responsible for collision avoidance.

Your group lead will be responsible to choose the sequence of refuelling. Each fighter will be entitled max 2,500Kg of fuel. Coordinate speed with tanker over voice.



FALCON REVIVAL

Once the formation is refuelled, switch back to controller's frequency and ask exit from hold and continue to Hasimara as filed.

- Holding information

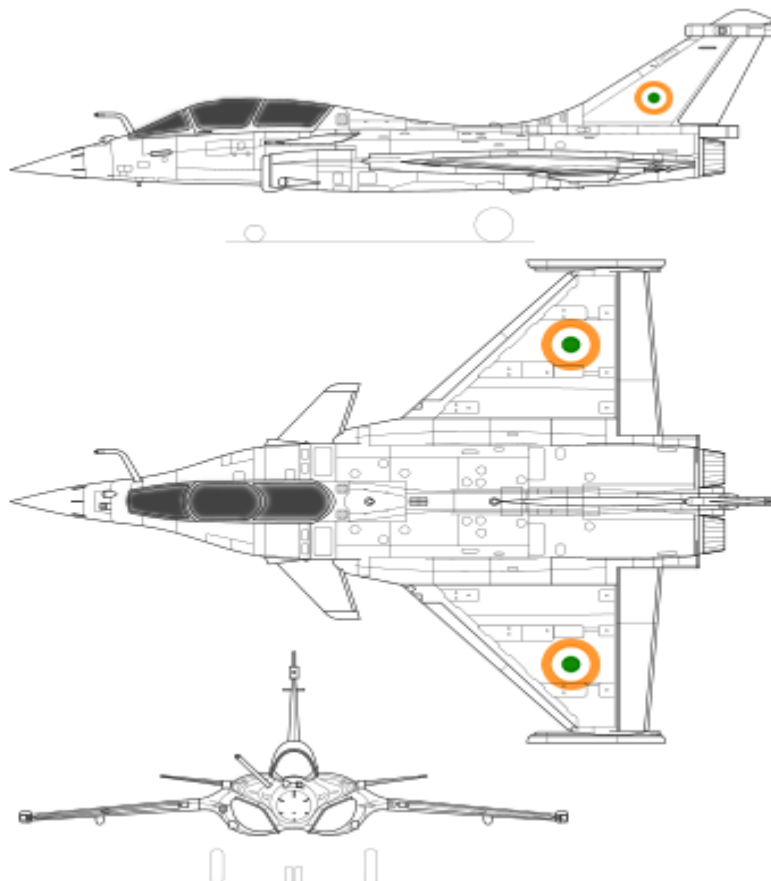
Fix : BY

Direction : Right

Inbound leg : 300° M

Time : 6.0 minutes

- Equipment : Dassault Rafale or any aircraft with probe refueller





FALCON REVIVAL

2.2. No. 78 Squadron (Tankers/Refuellers)

Your task is to depart from **Agra Air Force Station (VIAG)** and setup a mid-air refuelling station over BY shortly before the arrival of No. 101 Squadron at your position.

No. 78 Squadron will operate under the callsign *Valorous* followed by a alpha-numeric suffix, corresponding to your fighter group.

There will be a single group for tankers depending on number of fighter groups, one tanker will be assigned for each group.

You will depart from Agra at the same time your assigned fighter group departs from Ambala. This should allow you 10 minutes to establish on the holding pattern before their arrival.

Once airborne track direct BY.

- Holding information

Fix : BY

Direction : Right

Inbound leg : 300° M

Time : 6.0 minutes

**FALCON REVIVAL**

ATC will assign the level for holding, you will be stacked with other tankers each with a vertical separation of 2000ft. You may be asked to climb or descend on hold depending on your arrival sequence at BY. Prepare your weight and balance settings to allow holding between FL180 and FL340.

On hold, ensure your **altimeter setting** corresponds STD i.e 1013.2Hpa or 29.92inHg. Set your transponder to STBY.

The fighter aircraft will be responsible for collision avoidance.

The fighters will initially enter the hold 1000ft below you, once they have your aircraft in sight, ATC will ask you to switch over to Discord voice channel. **Advice them with the number of refuelling hose your aircraft is equipped with** i.e number of simultaneous refuelling possible. Coordinate speed with the fighter formation over voice.

Ensure clearance is given only during inbound and outbound leg. With sufficient time before turning.

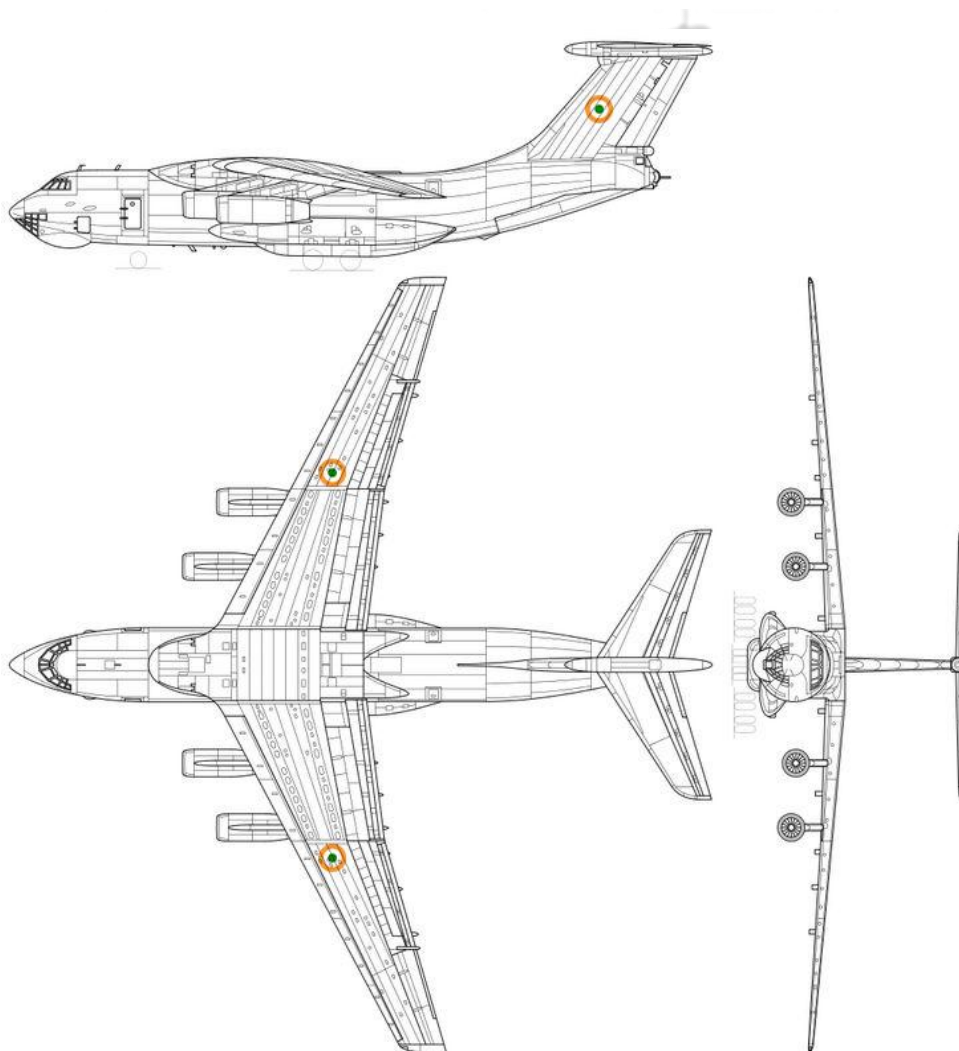
Once the fighters are refuelled, switch back to ATC frequency. Wait for them to leave the hold and request the same and head back to base.



FALCON REVIVAL

Track AGG VOR(112.0) on your way back. Advice the ATC for required track miles for your descend and request vectoring accordingly if needed.

- Equipment : Illyushin Il-78 or **any aerial refuelling tanker**



**FALCON REVIVAL**

3. Airfields

Due to the airfields being operated by the Air Force, we will not be able to publish much in terms of charts, procedures or sceneries.

3.1. Ambala Air Force Station (VIAM)

Location : AMLABA IND

ICAO : VIAM

Lat/Long N30°22.1', E076°49.0'

Elevation : 902 ft

Airport Use : Military

UTC Conversion : -5:30 = UTC

Magnetic Variation : 0.8° E

Sunrise : 0011Z

Sunset : 1348Z

Runway Information

Runway : 12

Length x Width : 9238 ft x 150 ft

Surface Type : paved

TDZ- Elev : 898 ft

Runway : 30

Length x Width : 9238 ft x 150 ft

Surface Type : paved

TDZ- Elev : 904 ft



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Departure

You will have to start from the active runway, either 12 or 30. Prepare your aircraft offline and connect with your group at the assigned time. This is due to lack of charts and proper scenery. The real world counterpart has stands for fighter aircrafts beside the runway threshold on either end.

Once online, the fighter lead will immediately take clearance for startup and route. You will have 5 minutes from being online to airborne to allow the next group to spawn.

ATC will give startup and route clearance. Once ready, request for immediate departure. You will be given takeoff clearance and departure instruction with QNH and local meteorological conditions.

Reply only with cleared to start followed by takeoff clearance with runway and QNH. You don't need to repeat the other information but do keep a note.



FALCON REVIVAL

3.2. Agra Air Force Station (VIAG)

Location : AGRA IND

ICAO : VIAG/AGR

Lat/Long N27°09.5', E077°57.7'

Elevation :550 ft

Airport Use : Military

UTC Conversion : -5:30 = UTC

Magnetic Variation : 0.0° E

Sunrise : 0012Z

Sunset : 1337Z

Runway Information

Runway : 23

Length x Width : 9395 ft x 148 ft

Surface Type : paved

TDZ- Elev : 549 ft

Runway : 05

Length x Width : 9395 ft x 148 ft

Surface Type : paved

TDZ- Elev : 551 ft

Runway : 12

Length x Width : 6047 ft x 148 ft

Surface Type : paved

TDZ- Elev : 556 ft

Displaced Threshold : 600ft





FALCON REVIVAL

Runway : 12
Length x Width : 6047 ft x 148 ft
Surface Type : paved
TDZ- Elev : 556 ft
Displaced Threshold : 600ft

Departure

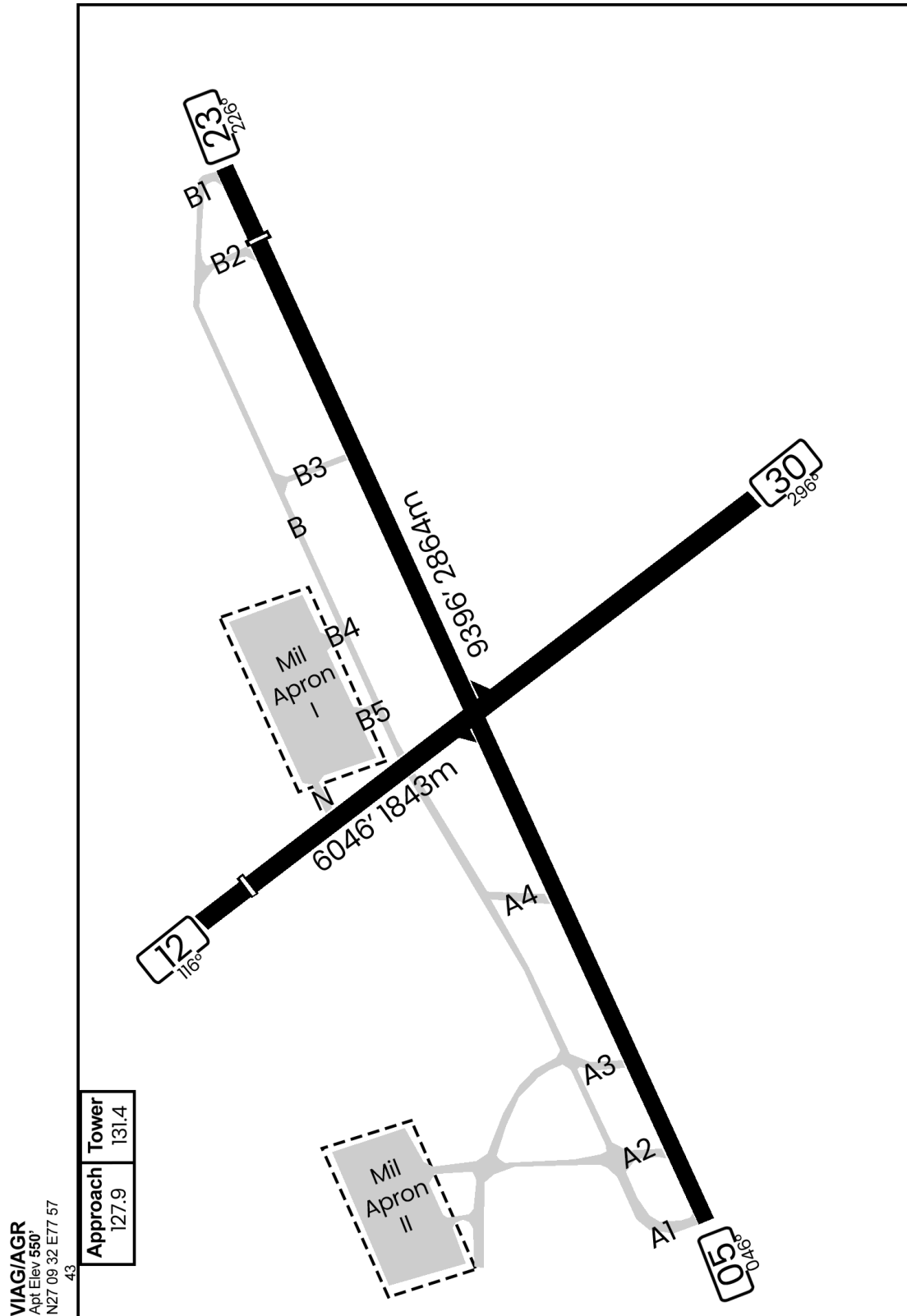
You must spawn on either of the military apron 1 or 2. You will be assigned a departure time with your fighter group. Request an IFR clearance accordingly.

Arrival

Runway 05 is equipped with a CAT I ILS. Unless vectored, follow the ILS Z procedure. Join AGG overhead at 3600', follow R-196 outbound for 9 DME AGG, while descending to 2500'. Turn right to intercept the localiser at an inbound course of 046°. Capture glideslope at D6.2 IARA and follow the 3° glide to the runway.



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3.3. Hasimara Air Force Station (VE44)

Location : HASIMARA IND

ICAO : VE44

Lat/Long N26°049.53', E089°22.08'

Elevation : 340 ft

Airport Use : Military

UTC Conversion : -5:30 = UTC

Magnetic Variation : 0.0° E

Sunrise : 2331Z

Sunset : 1255Z

Runway Information

Runway : 11

Length x Width : 9000 ft x 131 ft

Surface Type : paved

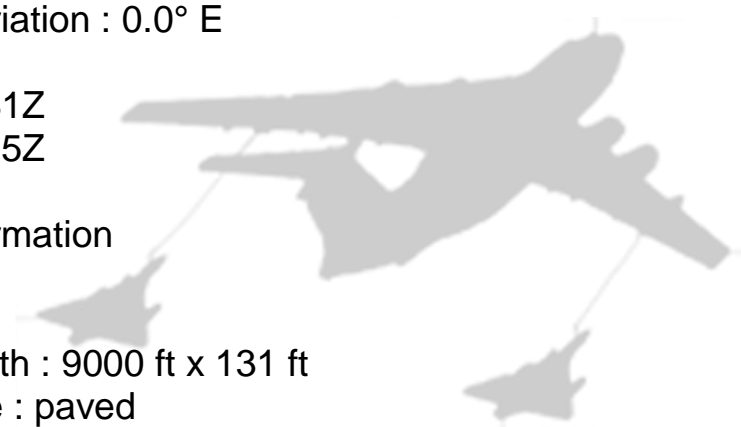
TDZ- Elev : 342 ft

Runway : 29

Length x Width : 9000 ft x 131 ft

Surface Type : paved

TDZ- Elev : 340 ft



**FALCON REVIVAL****4. ATC & route**

CALLSIGN	POSITION	FREQUENCY
AMBALA_TOWER	VIAM_TWR	122.700
AGRA_TOWER	VIAG_TWR	131.400
HASIMARA_TOWER	VEHX_TWR	118.300
HARIMARA_APPROACH	VEHX_APP	130.400
DELHI_CENTER	VIDF_CTR	120.900
KOLKATA_CENTER	VECF_CTR	132.250

Route

No. 101 Squadron : VIAM DCT CHG W35 ONOGI M890
PUMOT DCT BY DCT LKN A201 PPT Q18 BGD DCT VE44

Note: Be aware not to cross into Nepal, Bhutan or Bangladesh, especially inbound LOTPU to BGD on Q18.

No. 78 Squadron : VIAG DCT BY DCT AGG DCT VIAG

Note: No 78 Squadron's mission mimics the Leg 12 of Special Operations World tour.

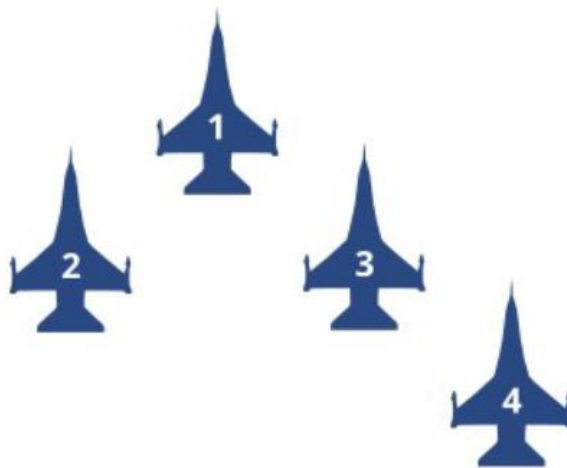


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5. Tutorial / Guide

Formation flying

For this event we will follow standard finger four, four ship



formation as depicted below.



FALCON REVIVAL

Follow this link for a detailed guide from IVAO SOD: [document](#).

Holding

A comprehensive guide has been published on IVAO Mediawiki [here](#)

6. Groups



Falcon 1 (Group ICAO: FLC1A Callsign: FALCON ONE ALPHA)

Slot-1 (0930z)

Falcon 2 (Group ICAO: FLC2B Callsign: FALCON TWO BRAVO)

Slot-2 (0935z)

Falcon 3 (Group ICAO: FLC3C Callsign: FALCON THREE CHARLIE)

Slot-3 (0940z)



FALCON REVIVAL

Falcon 4 (Group ICAO: FLC4D Callsign: FALCON FOUR DELTA)

Slot-4 (0945z)

7. Contact us

For any further information or queries, please feel free to contact in-soc@ivao.aero or in-soac@ivao.aero.

Join the Special Operations [Discord](#).





I WANT YOU
ONLINE
FOR
FALCON REVIVAL