

CROWDED SKIES 2018

SO EVENT (GENERAL)

Version 1.0



Special Operations Department

International Virtual Aviation Organization



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SO at Crowded Skies

Our ambition is to offer SO-specific missions at Crowded Skies every year. This year's Crowded Skies Event has the very special motto "20 years anniversary" and Special Operations have always been a part of IVAO in the last 20 years. In the future the importance of SO will increase even more.

This year, we want to focus on a very important non-military mission type. We are talking about "Humanitarian aid". The missions this year take place in Central and East Africa in countries that are shaken by crises and tragedies. With these missions, we hopefully create at least again awareness for what is happening in Africa every day, while most of us live in safety far away.



The venue this year

We concentrate roughly on Central and East Africa:

- 1) Central African Republic
- 2) Chad
- 3) Somalia
- 4) Uganda
- 5) Democratic Republic of Congo
- 6) Congo
- 7) Gabon
- 8) Cameroon





OVERALL MISSION

All missions take place within the framework of humanitarian aid.

Scenarios do not have to be invented, since they are unfortunately reality. We are talking about famine, thirst, disease, drought, natural disasters, civil wars, etc. The task of us all in such cases is to support and help collectively with combined forces and resources. Whether governmental or donor-funded organizations/institutions.

There are the following two mission types:

1

Transport of personnel and material in Central Africa

2

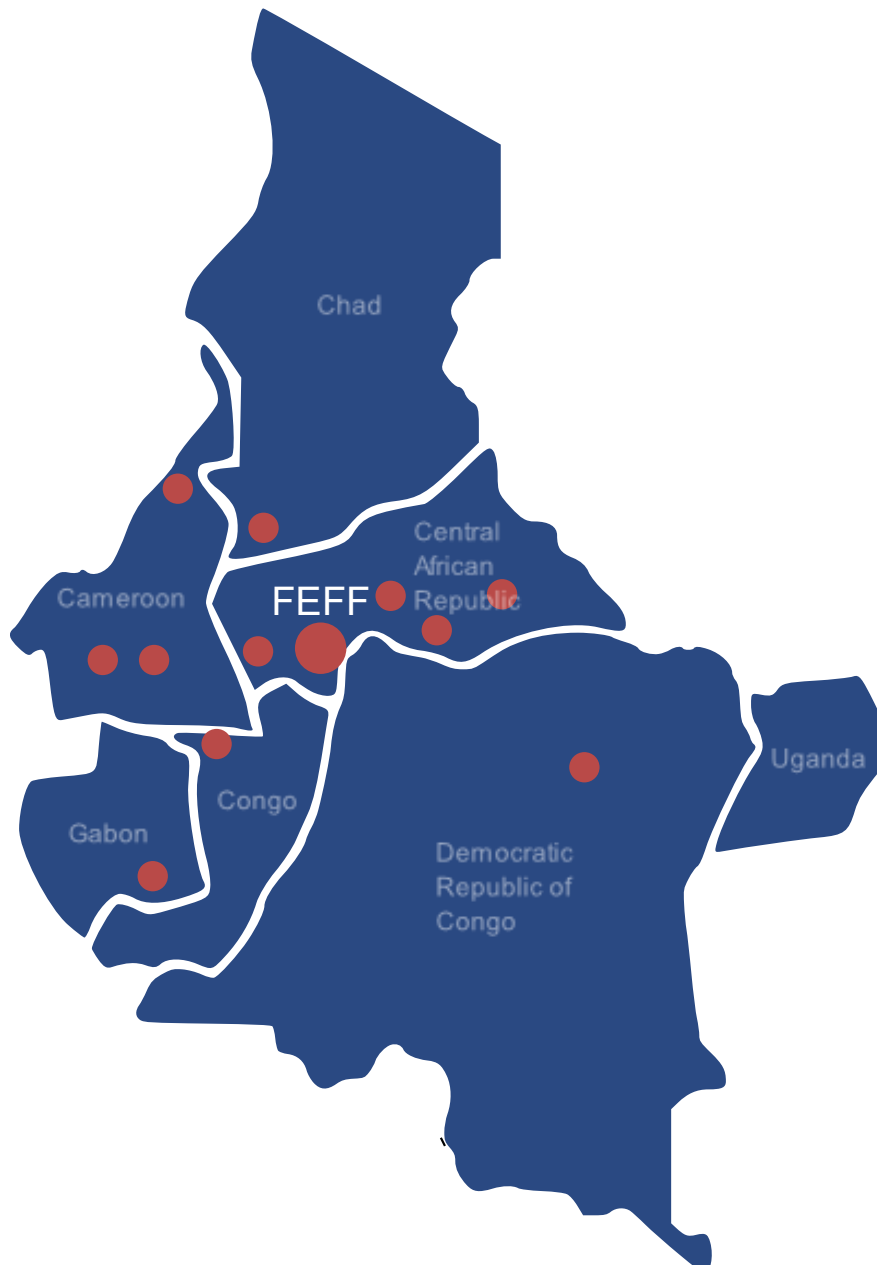
Surveillance flights of important shipping routes in East Africa to protect humanitarian aid deliveries to Somalia



MISSION 1

The primary “base” for almost all transport missions is the Bangui M'Poko International Airport (**FEFF**) 7 km (4 miles) northwest of Bangui, the capital of the Central African Republic.

All personnel and material from all over the world arrives here and is then reloaded. Our primary task is the transport of personnel (employees of various organizations, medical personnel, etc.) and material (food, water, sanitation, different equipment, medicine etc.) to different destinations in Central Africa. More details in the mission briefing on page 9.

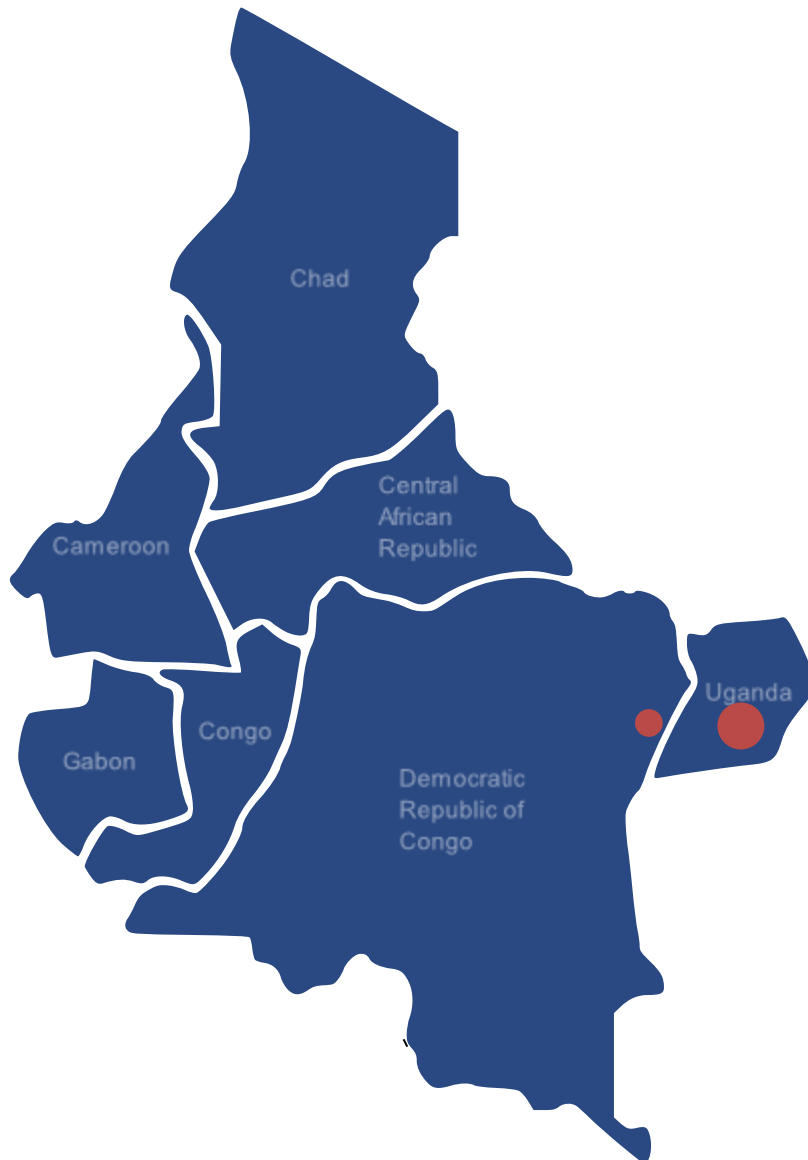




MISSION 1

In addition to the primary base mentioned above, there is a second airfield from which several flights take place. Entebbe International Airport (**HUEN**) in southern Uganda at Lake Victoria.

We use this airport for important transport flights to the Beni Airport (**FZNP**) in the province of North Kivu in the northeast of the Democratic Republic of Congo (30 – 40 minutes from Entebbe), where a new epicenter (epidemic area) of an Ebola outbreak has been located. More details in the mission briefing on page 9.

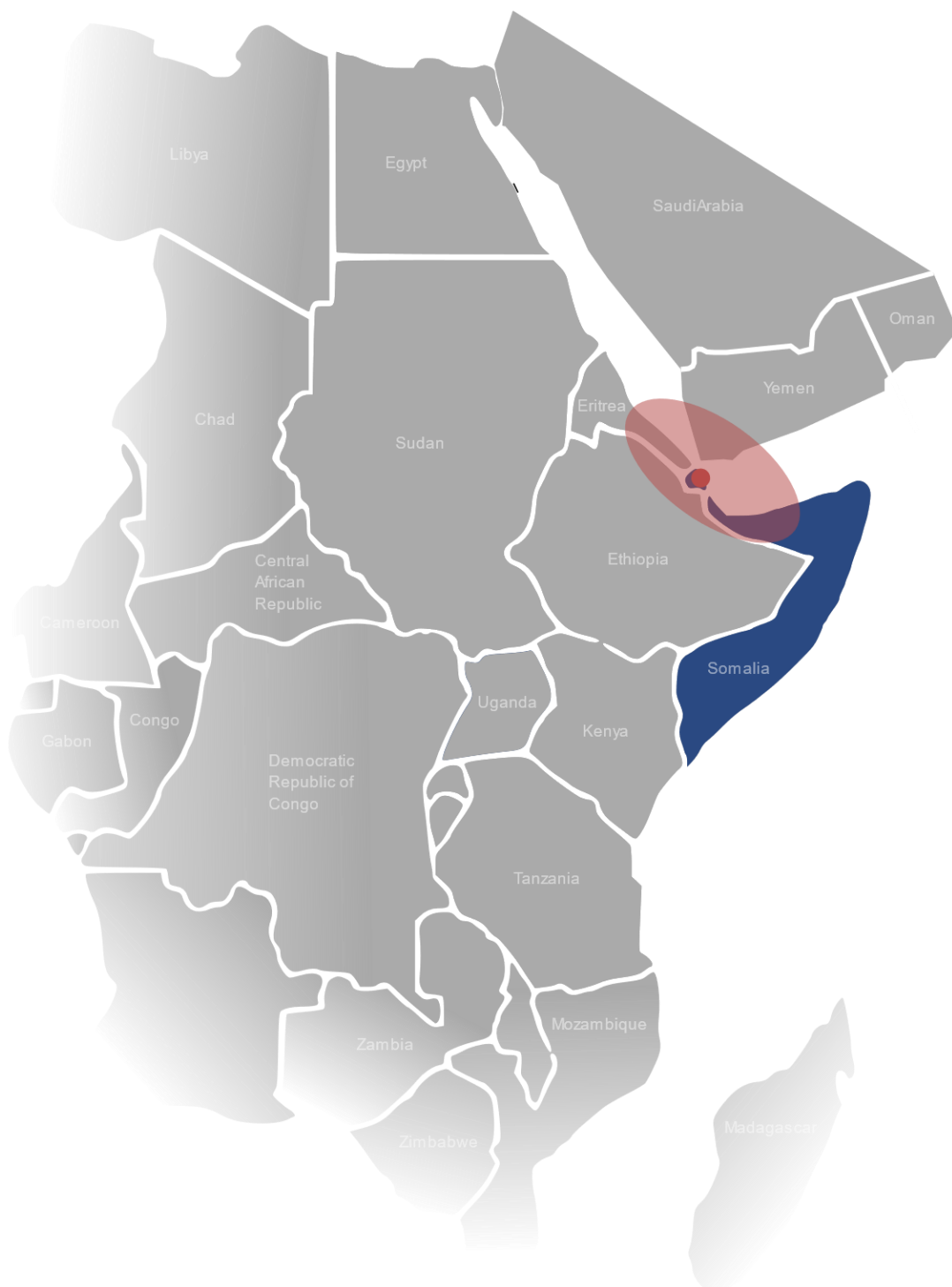




MISSION 2

The primary “base” for the surveillance mission is the Djibouti–Ambouli International Airport (**HDAM**) in Djibouti north of Somalia.

We use this airport for surveillance flights of important shipping routes in the southern part of the red sea north of Djibouti and in the area of the northern coast of Somalia at the Gulf of Aden.





CROWDED SKIES AWARD

20th Anniversary Crowded Skies Award

For being online at least 20 minutes before and after (18.40-19.20z)

Crowded Skies peak time (incl. peak time)



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MISSION BRIEFING

Mission Objective

Important supply flights from Bangui (FEFF) to various destinations in neighboring countries in Central Africa.

Date and Time

On 1 December at 1800z we expect several large deliveries at Bangui from different countries, which will be reloaded onto smaller transport machines. Your task is to distribute the freight to one of the several neighboring countries. Connect no later than 1800z for the loading. ETD is between 1810z and 1820z.

Callsign

Can be freely chosen (depending on the organization you fly for)

Parking position

In the military area of the airport (the northern apron)

Charts for Bangui

<http://www.ais-asecna.org/en/atlas/centrafrique/bangui.htm>



MISSION BRIEFING

Route

Lateral

Fly VFR on the shortest possible route from Bangui (FEFF) to the destination you chose (see list below). Use GPS, as the landscape is difficult to use for navigation (dense rainforest).

Vertical

Profile (altitude) is up to you but make sure you overfly inhabited areas with at least 1000 feet AGL and do not fly above FL150. Also observe the Semi-Circular Rules. 0 to 179° odd + 500ft and 180 to 359° even + 500ft. Over 1500ft MSL QNH standard.

Destinations

ICAO	Name	Country	Distance	GPS
FEFM	Bambari	Central African Republic	154NM	5°50.833'N 20°39.000'E
FEFT	Berbrati	Central African Republic	164NM	4°13.333'N 15°47.167'E
FEFA	Alindao	Central African Republic	165NM	5°1.333'N 21°11.917'E
FTTD	Moundou	Chad	293NM	8°37.450'N 16°4.283'E
FCOS	Souanké	Congo	298NM	1°59.833'N 14°10.500'E
FEFY	Yalinga	Central African Republic	311NM	6°31.250'N 23°15.583'E
FKAG	Abong M'bang	Cameroon	319NM	3°58.016'N 13°11.983'E
FKYS	Nsimalen	Cameroon	419NM	3°43.350'N 11°33.200'E
FKKR	Garoua	Cameroon	427NM	9°20.150'N 13°22.200'E
FZIC	Bangoka	Democratic Republic of Congo	471NM	0°28.900'N 25°20.284'E
FOON	M'Vengue	Gabon	474NM	1°39.367'S 13°26.284'E



MISSION BRIEFING

Flight plan

Flight plan is up to you (there is no need for any CS-related remarks in item 18 of the FPL) as all participating machines are tracked fully automatically by an intelligent system (algorithm).

Cargo

The loading varies depending on the destination.

Possible are:

- Employees of various organizations (incl. medical personnel)
- Food, water, sanitation, different equipment, medicine etc.

No weapons are being transported. The machines are not armed either.

Weather

We expect temperatures around 26°C (78,8°F) at Bangui with little wind (3KT) from SW. The weather forecast looks promising (VMC).



MISSION BRIEFING

Mission Objective

Important supply flights from Entebbe (HUEN) to the Beni Airport (FZNP) in the province of North Kivu in the northeast of the Democratic Republic of Congo (*30 – 40 minutes from Entebbe*).

Date and Time

On 1 December around 1800z, we await the arrival of several WHO experts, MSF (Doctors Without Borders) and other international partners. We need to bring them to Beni, from where they will be taken to various affected districts in the province of North Kivu. Connect no later than 1800z for boarding and loading. ETD is between 1810z and 1820z.

Callsign

Can be freely chosen (depending on the organization you fly for)

Parking position

Apron 2 or 4 (see charts below)

Charts for Entebbe

Google "Entebbe charts" and take the second result (pdf from Jeppesen)



MISSION BRIEFING (MISSION #1)

Route

Lateral

Fly VFR on the shortest possible route from Entebbe (HUEN) to Beni (FZNP). Use GPS, as the landscape is difficult to use for navigation.

Vertical

Profile (altitude) is up to you but make sure you overfly inhabited areas with at least 1000 feet AGL and do not fly above FL150. Also observe the Semi-Circular Rules. 0 to 179° odd + 500ft and 180 to 359° even + 500ft. Over 1500ft MSL QNH standard.

Destination

ICAO	Name	Country	Distance	GPS
FZNP	Beni	Democratic Republic of Congo	181NM	0°34.622'N 29°28.188'E

Flight plan

Flight plan is up to you (there is no need for any CS-related remarks in item 18 of the FPL).



MISSION BRIEFING (MISSION #1)

Cargo

The loading contains:

- Medical personnel and researcher
- Different equipment, parts of a mobile laboratory, experimental vaccine

No weapons are being transported. The machines are not armed either.

Weather

We expect temperatures around 25°C (77°F) at Bangui with little wind (5KT) from SW. The weather forecast looks very promising (VMC).

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MISSION BRIEFING

Mission Objective

Surveillance flights of important shipping routes in the southern part of the red sea north of Djibouti and in the area of the northern coast of Somalia at the Gulf of Aden.

Date and Time

Connect no later than 1800z. ETD is between 1810z and 1820z.

Callsign

Can be freely chosen (depending on the organization you fly for)

Parking position

Military apron in the NE of the airport

Charts for Djibouti

Google "Charts HDAM". There are charts available



MISSION BRIEFING

Route

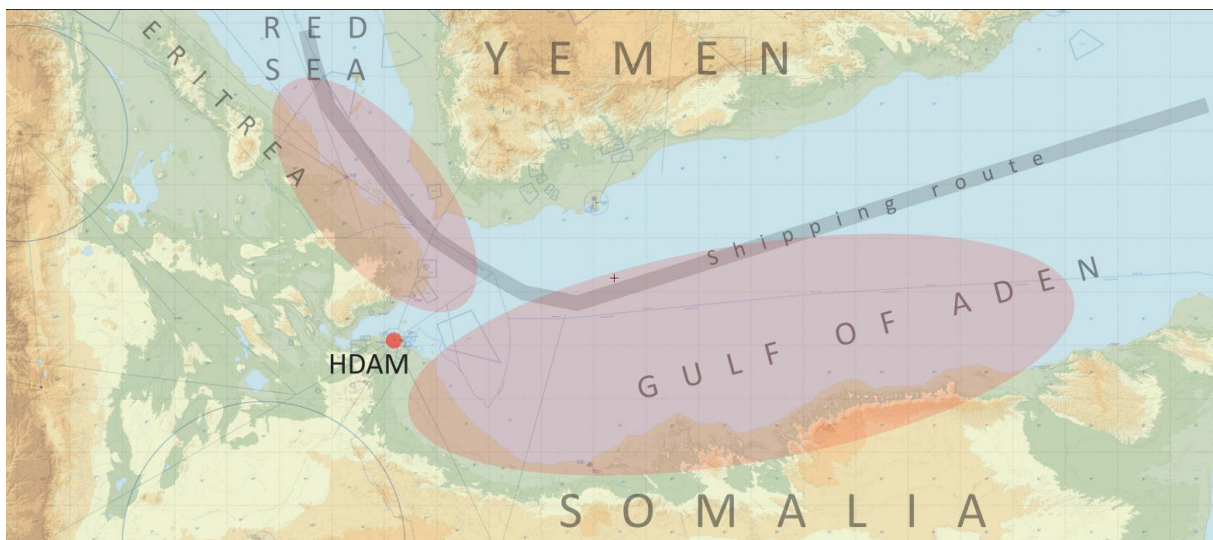
Lateral

Choose one of the two surveillance areas (see below) and focus primarily on the area between the coast (the Eritrean coast in the northern area or the Somali coast in the southern area) and the shipping route. The past has shown that pirates are increasingly to be expected here.

Vertical

Profile (altitude) is up to you. Choose an appropriate altitude from where you have the best view (also depending on possible equipment such as optical or thermal image). Also observe the Semi-Circular Rules. 0 to 179° odd + 500ft and 180 to 359° even + 500ft. Over 1500ft MSL QNH standard.

Area





MISSION BRIEFING

Flight plan

Flight plan is up to you (there is no need for any CS-related remarks in item 18 of the FPL) as all participating machines are tracked fully automatically by an intelligent system (algorithm).

Equipment

Surveillance equipment only! The machines are **not** armed!

Possible are:

- Photographic intelligence (PHOTINT)
- Infrared intelligence (IRINT)
- Optical intelligence (OPTINT)
- Laster intelligence (LASINT)
- Synthetic aperture radar (SAR)
- Radar intelligence (RADINT)

Weather

We expect temperatures around 27°C (80,6°F) at Djibouti with little wind (3KT) from W. The weather forecast looks promising (VMC).