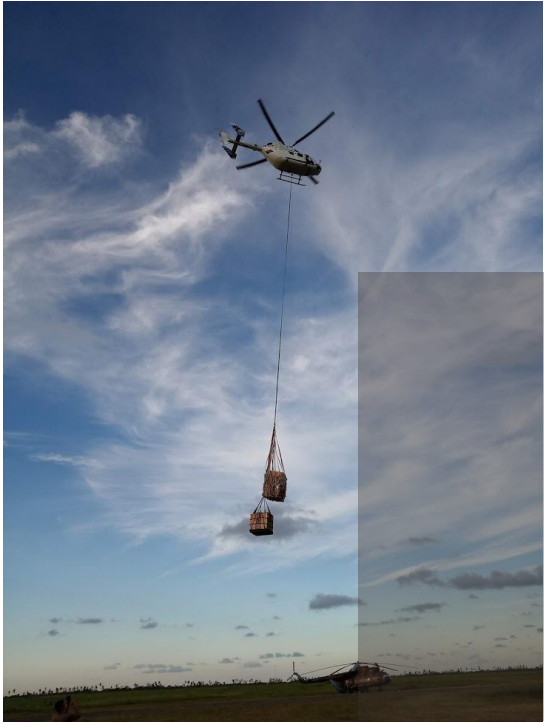




EMERGENCY PREPAREDNESS
MSF Air Operations
16th GHAC

Doha – October 2024



1

MAIN TOPICS

01	MSF & Air Ops Cell: Who we are?	>
02	Emergency responses & MSF: Challenges & Lessons Learned	>



2



TOPIC 1

MSF & MSF AIR OPS CELL: WHO WE ARE?

- MSF
- MSF Air Ops Cell



3

MSF: WHO WE ARE

MSF – MÉDECINS SANS FRONTIÈRES
(DOCTORS WITHOUT BORDERS)

Médecins Sans Frontières

provides **medical humanitarian assistance** to save lives and ease the suffering of people in crisis situations.

Its actions are guided by **medical ethics** and the principles of **impartiality, independence and neutrality**.



MSF

ACTIVE IN MORE THAN 75 COUNTRIES

2023

16,459,700



outpatient consultations

1,368,700



patients admitted

337,000



births assisted

125,900



major surgical interventions

1,946,300

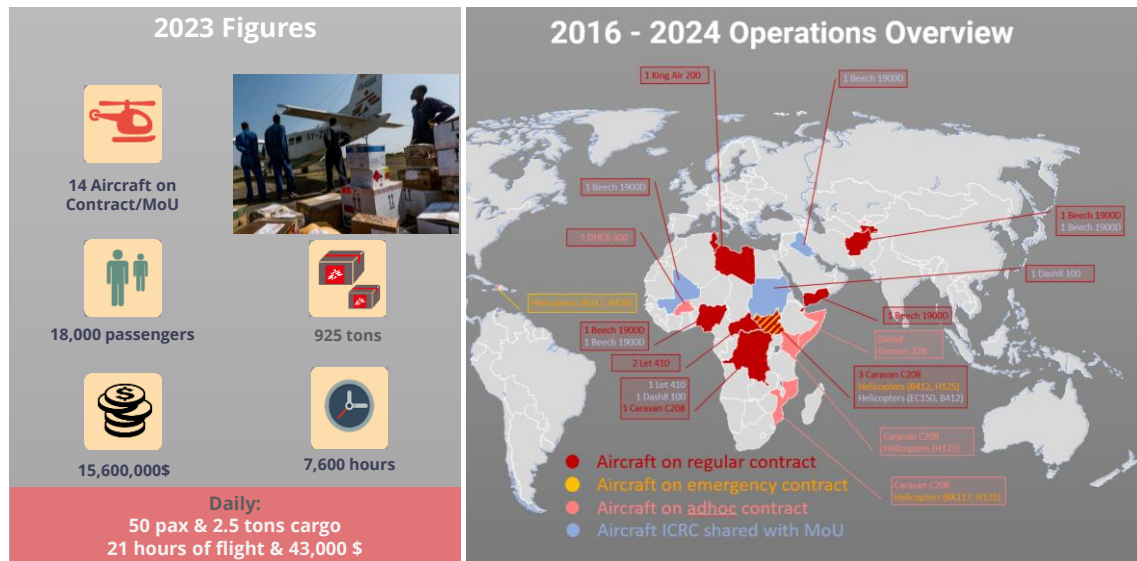


emergency room admission



4

Air Ops Cell Activities: Pax & Cargo Air Transport on the field



5



TOPIC 2

EMERGENCY RESPONSES & MSF

- Emergency Response Operations in MSF
- Typical Natural Disaster Responses
- Challenges & Lessons learned

6

NATURAL DISASTER RESPONSES

Responses



For MSF - Aviation Side –
Natural Disaster Responses are
more frequent operations than
War Conflict responses, mainly because
insurance and clearance issues.

Typical MSF answer in Disaster Response
will use **helicopters** for:

- Explos
- Response:
 - Mobile Clinics
 - Water & Sanitation
 - Distribution



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HURRICANE MATTHEW - HT

Responses



3 Helicopters

- 1 Bell 212, 1 Bell 429
- 1 Bell 430 Ambulance



59 Ops Days



8 tons



352 passengers



190 hours
3:13 hours per Day



10,627 USD / h
all inclusive



8

CYCLONE IDAI - MZ

Responses



3 Helicopters

- 1 AS350B3 (single eng.)
- 2 BK117 (twin eng.)



21 Ops Days

40 Heli Ops Days



120 hours

5:43 hours per Day



289 passengers



18.5 tons



550,000 USD

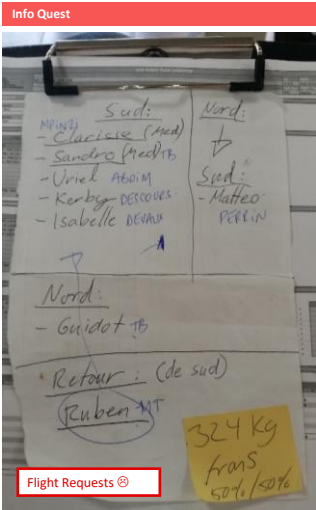
5,065 USD / h all inclusive



9

Operational & Safety Challenges

Challenges



Flight Requests ☹️



Bad Weather & No Weather Service ☹️



Remote fuel appro ☹️



10

Operational & Safety Challenges

Challenges

Helispot Management

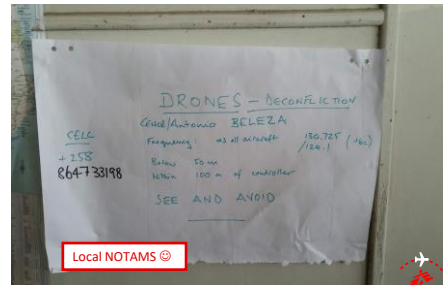


Crowdy and unprepared Helispot ☹️

Airport & Airspace Management



Crowdy Apron ☹️



Local NOTAMS ☹️

11

LESSONS LEARNED

Activities

CHALLENGING POINTS	MITIGATION	Further LESSONS LEARNED
⊖ Delay to Respond Scenario Design, Operator Selection, Clearances and Ferry Flights	⊕ Reactivity for deployment • Preselected Operators	• Prepositioned Equipment? (as fuel bladders and filters for storage or transport, medical equipment)
⊖ "On Demand Operation" On Demand & Special Operation with no planification AT ALL, far beyond usual MSF Safety standards	⊕ Safety mitigations • High capacity of the airops answer to avoid overutilization • High quality of the operators, fleet and crew • Experienced Flight Coordinators	• AirOps Kit for Emergency? • Specific IT Tools? Helispot & Rwy Assessment App (in dev.), Quick Flight Planning & Manifest App
⊖ Lack of Info & Resources	⊕ Coordination platform • Sharing of Info • Sharing of Resources and Equipment	• Mutualization & Partnership!

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WHAT ELSE?

Challenges



We also have this in our Portfolio...
you will find the link on the presentation, if you are interested...

But if time matters, better to be prepared !



Thanks

Doha – October 2024

