ITF – Aid and Relief Logistics: The Critical Role of Outbound Airports and Cargo Airlines

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Incidents requiring immediate aid & relief activities are not predictable

- Place and time is not predictable
- Nature of disaster can be very different, e.g. flood, earthquake, hunger…
- Circumstances on site can be very challenging, e.g. destroyed infrastructure, no communication, chaos

- Immediate action is required – no time for preparation – personnel, equipment, and machines must go from zero to max speed in very short time
Immediate availability of workforce, equipment and space required

- General infrastructure must be able to handle sudden peak loads
- Warehouse staff, load crew, customs, flight crew and coordination team needs to be activated – team needs to know each other and be trained for disaster response and quick reaction
- Ground equipment needs to be onsite and pre-positioned where able to avoid loss of time
- Handling facilities for bulk goods, outsized cargo, and special handling goods (e.g. pharmaceuticals) needs to be available
- Suitable aircraft able to land on varying surfaces, may be required to cope with potentially affected infrastructure at affected destinations
Joined experience of Volga-Dnepr and Leipzig/Halle Airport

25+ years
190 countries
1,269 airports
>90,000 flights since the company was founded
223 Scheduled all-cargo flights per week
>4,000,000 t cargo carried since 1990
12th Largest airfreight transportation company globally based on income
3,500 employees

90 years
224 destinations (charter flights)
64,492 flights per year
1,052,249 t cargo per year
167,000 t sea cargo
2,192,145 passengers per year
2nd largest cargo airport in Germany
5th largest cargo airport in Europe
19th largest cargo airport worldwide
749 employees
Examples of successful missions

- Hurricane Katrina in the USA 2005
- Flood in East Germany 2002
- Earthquake in Turkey 2011
- Earthquake in China 2007
- Hurricane Dean in Mexico 2007
- Flood in Pakistan 2010
- Typhoon in Philippines 2013
- Ebola disease in Guinea, Liberia and Sierra Leone 2014
- Earthquake and tsunami in Samoa 2009
- Flood in Pakistan 2013
Volga-Dnepr and Leipzig/Halle Airport are prepared

FLEET, EQUIPMENT, PERSONNEL

AN-124-100
- 120 t
- Cargo compartment dimensions 8.4 x 4.5 x 6.8
- The AN-124-100 "Ruslan" is the world's largest series produced freighter

BOEING 737
- 20 t
- 3
- Best suited for regional cargo uplift, providing additional options of short haul shuttle services

BOEING 747
- 135 t
- 15
- The 747 series are especially well suited for transporting consolidated shipments on long-haul

IL-76TD-90VD
- 50 t
- 5
- Cargo compartment dimensions 3.4 x 3.45 x 20
- The NEW IL-76TD-90VD has no operational restrictions
- The aircraft is fully compliant with existing ICAO standards

INFRASTRUCTURE, EQUIPMENT, PERSONNEL

JOINED PROCESS MANAGEMENT OF AIRLINE AND AIRPORT

Multiple-year experience in working together for NATO SALIS (Strategic Airlift International Solution)
Volga-Dnepr Fleet with unique capability for difficult destinations

12
AN-124-100 RUSLAN
World's largest and most powerful freighter featuring big cargo capacity, cargo spokes and loading systems.

120 TONS
cargo capacity
4500 km
flight range

18
Boeing 747F*

The highly capable Boeing 747 has a nose and side-door loading capability. The most advanced - 8 types offers a 10% increase in cargo capacity and an extended flight range.

136 TONS
maximum cargo capacity
9200 km
maximum flight range

5
IL-76TD-90VD
Modernized, new production version of one of the most in-demand and successful aircraft in the history of world cargo aviation. Fully approved by ICAO for global operations.

50 TONS
cargo capacity
4000 km
flight range

3
Boeing 737-400F
A converted freighter, winner of a highly reputable feeder airline.

19 TONS
cargo capacity
3850 km
flight range
Leipzig/Halle Airport Infrastructure and equipment covers wide range

- Independent runway system 2 x 3600m
- 24/7 operations incl. customs
- Highway interlink A9/A14
- Cargo railway station
- 20,000 sqm warehouse
- Cooling facility
- Reachstacker
- Heavy Load Crane
- Highloader
- Pre-/Post-Carriage
One can prepare for incidents that require immediate activities

Where?
- International experience required
- Worldwide connections to many destinations
- Aircrafts to be ready for difficult conditions on destination

When?
- 24/7 availability of organisation necessary
- All personnel and equipment ready on site
- Well-trained team and established interfaces between stakeholders

What?
- Full range of potentially required equipment on the ground and in the air
- Enough space to buffer, store and manipulate outgoing aid & relief goods
- Good cooperation with customs for fast processing of adhoc cargo

To provide immediate service for aid & relief situations airports and airlines need to be well prepared – cooperation und coordination is the key to success!
Thank you for your attention!