

GET AIRPORTS READY FOR DISASTER

INTRODUCTION TO THE PROGRAM



1ST ASIA PACIFIC AVIATION SAFETY CAMPAIGN
12 AUGUST 2021



COMMON PROBLEMS FACED BY AIRPORTS FOLLOWING A NATURAL DISASTER



DELAYED TAKEOFFS/LANDING

Air Operations

The volume of flights to be handled increases and manpower may be reduced



SEVERE CONGESTION

Passenger Influx

The volume of passengers increases by up to three times



DELAY IN DELIVERY OF RELIEF SUPPLIES

Relief Cargo

The volume of supplies to be handled increases and cargo may require special handling

KEY FACILITIES NEEDED AT AIRPORTS



Electricity



Mobile Communications



Security



Water and Sanitation



Fuel

What is Get Airports Ready for Disaster (GARD)?

GARD workshops help airports in high-risk areas to prepare their staff:

1. to respond to a sudden influx of emergency personnel and goods after a disaster occurs
2. for worst-case scenarios

More than **50**
airports around the world
have been prepared for
disaster situations

More than **1,300**
participants have taken
part in the training



A public-private partnership
GARD is a program jointly developed by
the United Nations Development
Programme (UNDP) and DHL.

WHAT CAN YOU EXPECT FROM GARD?



1

A **structured report** about the airport's surge capacity



2

An **action plan** with time-specific actions that can be put into practice within 1 year



3

Staff who are trained to effectively manage a humanitarian response situation at the airport



GARD is not an audit. All results remain with the airport to ensure the best improvement measures.

PARTNERING FOR SUCCESS - THE GARD CONCEPT

GARD is based on a sustainable and participative approach, by bringing together the expertise of relevant stakeholders.

Co-ownership

Country (Ministry or Airport Authorities)

- Integrate GARD with national Disaster Risk Reduction plan
- Updates assessment report with follow-up

Co-ownership

Airport

- Covers the cost of organizing the workshop

UNDP

Lead coordinator;
Advocate for preparedness

- Engages relevant airport authorities
- Coordinates with government agencies
- Moderates coordination calls involving co-owners and partners

DPDHL Group

Trainer

- A pro bono contribution
- Provides logistics and disaster management experience as well as methodology and training material

A close-up photograph of a white computer keyboard with two miniature wooden school desks and metal chairs placed on it. A white flipchart on a stand is positioned in the upper right, partially overlapping a yellow rectangular area that contains the main text.

WHAT'S IN A GARD WORKSHOP?

GARD WORKSHOP

What is the GARD Workshop?

- A 4 or 5-day workshop depending on the size of the airport
- Held at a training room at the airport and airside

What do we need?

- Airport staff have to be free to attend the entire workshop
- Easy and complete airport and airside access at all times during the workshop

How is it done?

- Interactive workshop
 - Airport assessment
 - Airport Surge Capacity Report
- Follow-up

GARD AGENDA OVERVIEW



Session 1



**OPENING
CEREMONY
AND GARD
THEORY**

Session 2



**AIRPORT
ASSESSMEN
T**

- Airport Surge Capacity

Session 3



**REPORT
WRITING
AND ACTION
PLAN**

Session 4



**PARTICIPANT
PRESENTATION
S**

THE GARD WORKSHOP MODULES (1/4)



Opening ceremony and press conference

- Opening speeches from Airport Director, UNDP officials, DPDHL representatives and other dignitaries



THE GARD WORKSHOP MODULES (2/4)



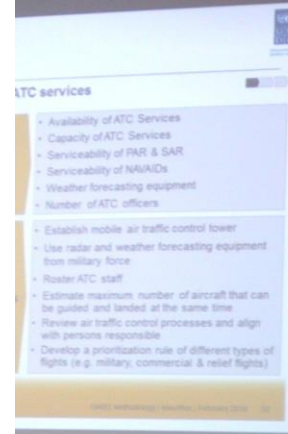
GARD Theory Part 1

- Inflow – Potential constraints on the ability to increase the no. of flights arriving at the airport
- ATC / aircraft types / airport condition / airport capacity / personnel handling / VIP & VVIP



GARD Theory Part 2

- Handling & outflow – In-depth look at constraints on handling additional cargo and people throughout the airport, using existing facilities: Customs / immigration / accommodation / airfield equipment / cargo handling / Armed Forces / SAR / field hospitals / fuel / aid distribution



THE GARD WORKSHOP MODULES (3/4)

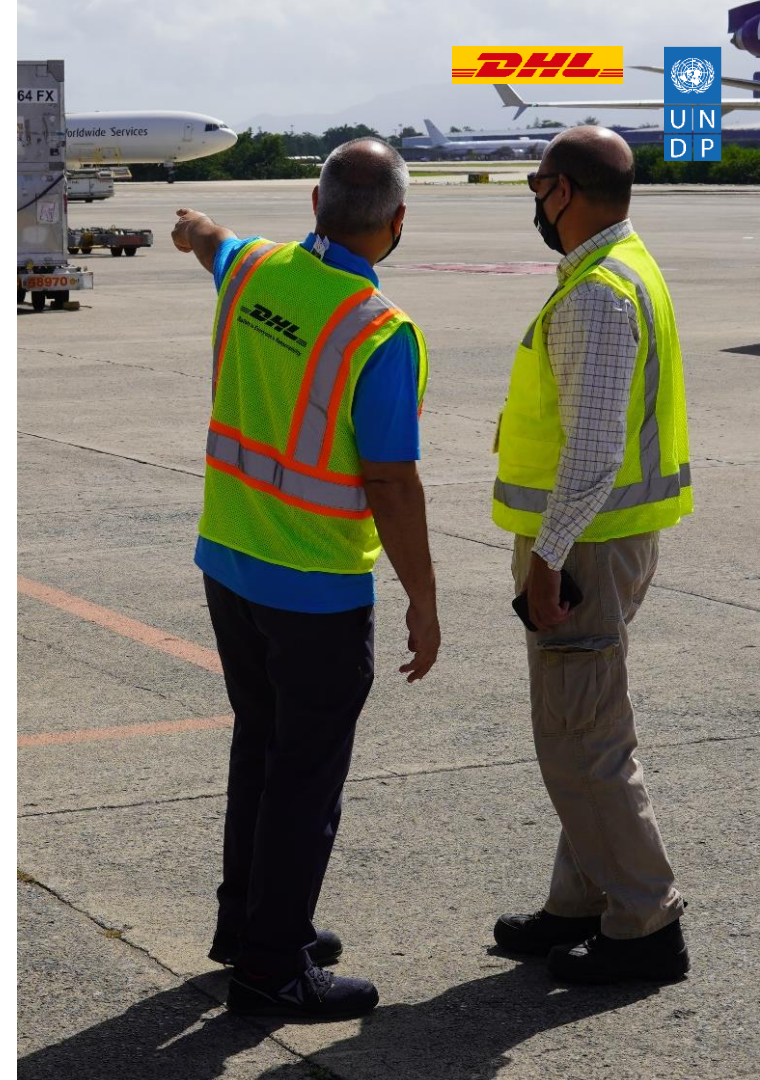


Airport airfield assessment


- Participants will be assigned to four groups: Air Operations, Cargo, Passenger and Facilities
- Each group goes on a physical tour around the airport to document their observations of the facilities
- Identify the airport's specific potential constraints in the event of a capacity surge


Facilitated by


Participants (supported by DHL GARD trainers)



THE GARD WORKSHOP MODULES (4/4)

-  **Writing Airport Assessment Report**
 - Each group records their recommendations in the Airfield Assessment Report

-  **Finalize Report and Action Plan**
 - Participants finalize report and Action Plan with information, such as photographs

-  **Wrap up and closing ceremony**
 - Review workshop and GARD methodology
 - Presentation of certificates

Facilitated by

Participants (supported by DHL GARD trainers)



25 participants
per workshop
(in normal
times)

Participants required for GARD

- Handling agent
- Airport manager
- Duty or airfield operations manager (e.g. ramp)
- Air traffic control officer
- Security manager
- Customs manager
- Facility manager
- Military/Air Force
- Disaster risk reduction agency
- Government/Ministry of Transport

Optional

- Immigration manager
- Fire department

WHO IS IT FOR?

Participants will be split into 4 groups based on their expertise

16 participants
per workshop
under Covid
conditions

Airport OPS

Passenger Terminal

Cargo Terminal

Facilities



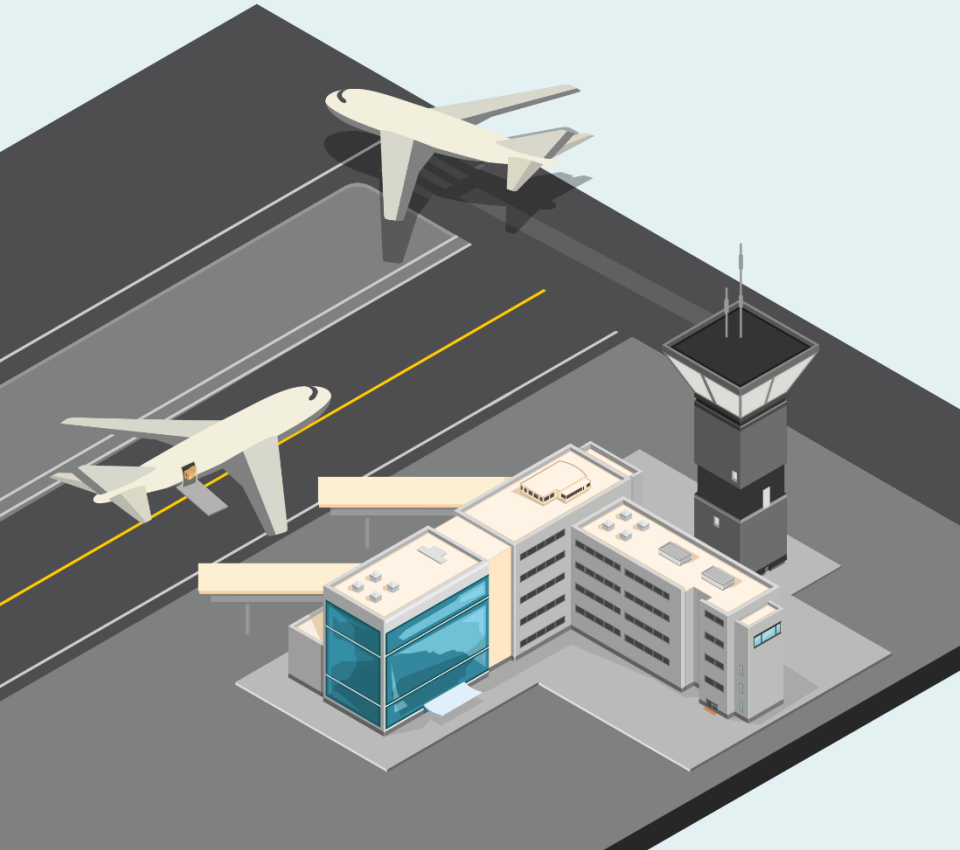
GARD THEORY

A GARD-trained airport should demonstrate stronger capability in handling an increase of aircrafts, cargo and people after a natural disaster.



GARD THEORY (INFLOW, ACTIVITIES, OUTFLOW) (1/3)

INFLOW



CHALLENGES

More flights

- Many different aircraft types
- Armed Forces

CONSTRAINTS AND FOCUS AREAS

ATS

Airport condition

- NAVAID
- Lighting
- Maneuvering area

Airport capacity

- Apron & stands
- Handling equipment
- Staff

GARD THEORY (INFLOW, ACTIVITIES, OUTFLOW) (2/3)

ACTIVITIES



CHALLENGES

More people

- Relief workers
- Press
- Evacuation

More cargo

- Equipment
- Regular cargo
- Aid cargo

CONSTRAINTS AND FOCUS AREAS

People handling

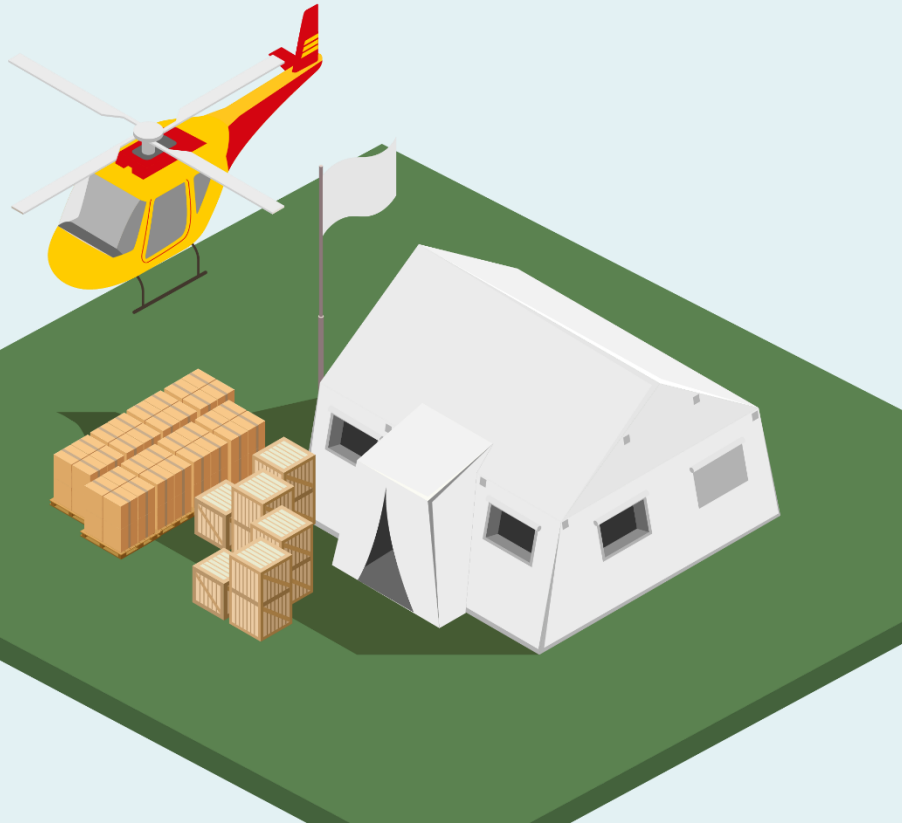
- Customs and immigration
- Arrival
- Departure
- Waiting areas
- Ground transport
- VVIP
- Staff
- Accommodations
- Food & water

Cargo handling

- Handling equipment
- Warehousing
- Refrigeration
- Customs
- Inventory
- Staff

GARD THEORY (INFLOW, ACTIVITIES, OUTFLOW) (3/3)

OUTFLOW



CHALLENGES

More flights

- SAR operation
- Medevac
- Armed Forces

CONSTRAINTS AND FOCUS AREAS

Inflow plus

- Fuel
- Helicopters
- SAR support
- Medical center
- Aid distribution flights

WHO ARE THE DHL GARD TRAINERS?



Kim Melville
DHL Director of
Global Airside & Standards
Head of Health and Safety
DHL Express UK



Chris Weeks
DHL Aviation
VP Humanitarian Affairs

Professional experience

- 18 years of DHL experience in aviation
- 10 years of prior experience in UK Royal Air Force in aircraft operations

Professional experience

- 26 years of experience with DHL's Express Logistics
- Multiple DRT deployments across the world (11 major deployments)



GARD PLUS

A follow-up initiative based on the findings of the action plan from the original GARD workshop

Objective

To evaluate the readiness of a GARD-trained airport through a simulation exercise

Format

- A 3-day simulation exercise
- Time frame: 12 months after the original GARD workshop
- 2 DHL GARD trainers

Prerequisites

- Formal request from Ministry or Airport management
- Content to be based on the findings from the original GARD workshop
- Held at the same airport; and
- Same participants from original GARD workshop

TRAIN THE FACILITATOR

Objective

- Train topic experts in the countries with high number of airports or with hub function for the region

Format

- Training on GARD theory with teach back elements; facilitation skills training included
- Time frame: Within 2 years after a GARD workshop has taken place
- Duration: 5 days
- DHL support: 2 global DHL GARD trainers supported by local trainers

Prerequisites

- Formal request: from UNDP and Ministry or Airport management
- Country with high number of airports or with hub function for the region
- Held at a small airport to ensure quick assessment
- 10-12 participants from airport operations with training skills/background

GOHELP

FOOTPRINT

✓ **More than 50 airports** assessed through GARD
✓ **More than 50 DRT deployments** to over 20 countries



-  DRT Deployment
-  GARD Workshop
-  DRT Deployment and GARD Workshop



THANK YOU

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