

# Unplanned Emergencies .....a daily threat



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# Mental Preparation

- Pre-flight briefing
- Communication between FC and CC
- Weather conditions and location of the airport
- Silent review for take off and landing
- Situational awareness.



Delta DL 1086  
MD88 La Guardia March 5<sup>th</sup> 2015

# Mental Preparation

- **For Cabin Crew**
  - **Silent review for take off and landing**
  
- **For Passengers**
  - **Safety demonstration and safety cards**
  - **Cabin secure**
  - **ABP briefing before take off.**

# Brace Position

- When to brace
- How to brace
- How long to brace



# Initiation of Evacuation

- **By the Flight Crew**
- **By the Cabin Crew in catastrophic situation**
  - **Dense smoke**
  - **Severe fire**
  - **Ditching**
  - **Unusual attitude**
  - **Structural damage.**



# Conducting the Evacuation

- **Crowd control**
  - **Commands**
  - **Body language**
  - **Assertiveness**
  - **Assist space**
  - **Re-direction**
  - **Dried up exit/bypass exit**
  - **Flow and speed**
  - **High heels/hand luggage**



# The Evacuation

- **Factors influencing evacuation outcomes:**
  - **Configuration factors** (Cabin layout and Crew complement)
  - **Environmental factors** (Smoke and visibility)
  - **Bio-behavioral factors** (Pax and crew preparation, pax behavior)
  - **Procedural factors** (Crew procedures and Knowledge)
  - **Passengers demographics** (Age, language, culture, medical condition, ABP's )

# Human Factors in Evacuations

- **Cabin Crew**
  - **Stress & fatigue**
  - **Fixation**
  - **Losing senses**
  - **Workload**
  
- **Passengers**
  - **Positive panic**
  - **Negative panic**
  - **Fixation**
  - **Losing senses**



# Theoretical Training

- **Integration of Emergency procedures with HF/ Performance limitation and CRM**
  - **Stress**
  - **Workload management**
  - **Information processing**
  - **Teamwork**
  - **Situation awareness**
  - **Decision making**
  - **Dirty Dozen**

# Practical Training

- **Practical Scenarios (competence based training)**
  - **Develop Skills**
  - **Awareness**
  - **Learn Procedures/Drills**
  - **Build up confidence**
  - **Recall procedures**

**Questions**

**Thank you**