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CAPACITY & EFFICIENCY

# INV Field Exercise Friday 15<sup>th</sup> March

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Briefing

Mexico City, Mexico 15 March 2019





# Day 3 - Field exercise (1/2 day - optional)

- ✈ Organized by MEX AIA (off site – MEX airport)
  - ✈ Transportation from ICAO NACC to Airport
- ✈ Proposed M.O.:
  - ✈ Advance (previous evening) provision of 2 scenarios, one for each of two INV teams
  - ✈ Selection at random of the two IICs and their team members
  - ✈ 2x MEX AIA to be D/IIC and Site Safety Officer for each team
  - ✈ 2x ORG/OBS will observe the two teams and provide feedback
  - ✈ Following an intro briefing by ORG and the IIC/Team selection (30 min), the two IICs will be expected to lead and brief their respective teams on the INV activities to be performed by their team during the exercise (1.5H)
  - ✈ All will then gather for feedback/de-brief session (30 min)



# Day 3 - Field exercise (1/2 day - optional)

- ✈ Key points to observe during the exercise is the conduct at the site:
  - ✈ Site coordination and safety (e.g. handover from local authorities)
  - ✈ Group preparation and briefings (by IIC and others)
  - ✈ Practical evidence gathering activities using basic/available means, e.g.:
    - ✈ Documenting, incl. photo
    - ✈ Sampling
    - ✈ Site survey
    - ✈ Witness interview



# Day 3 - Field exercise (1/2 day - optional)

✈ Scenario 1 - N345MC Learjet 25 (aeroplane)

✈ Scenario 2 - XC-UHM AS332L Puma (helicopter)

# Scenario 1 - N345MC Learjet 25 (aeroplane)



	Final
	Sunday 9 December 2012
	03:33
Type:	<a href="#">Learjet 25</a>
Operator:	<a href="#">Starwood Management LLC</a>
Registration:	N345MC
C/n / msn:	25-046
First flight:	1969
Engines:	2 <a href="#">General Electric CJ610-6</a>
Crew:	Fatalities: 2 / Occupants: 2
Passengers:	Fatalities: 5 / Occupants: 5
Total:	Fatalities: 7 / Occupants: 7
Aircraft damage:	Destroyed
Aircraft fate:	Written off (damaged beyond repair)
Location:	near Iturbide ( <a href="#">Mexico</a> )
Crash site elevation:	1707 m (5600 feet) amsl
Phase:	En route (ENR)
Nature:	Executive
Departure airport:	<a href="#">Monterrey-General Mariano Escobedo International Airport (MTY/MMMY)</a> , Mexico
Destination airport:	<a href="#">Toluca Airport (TLC/MMTO)</a> , Mexico



## Scenario 1 - N345MC Learjet 25 (aeroplane)

- ✦ **Narrative:** A Learjet 25 corporate jet crashed near Iturbide, Mexico while en route on a flight between Monterrey and Toluca Airport (TLC), Mexico. There were two pilots and five passengers on board. All were killed in the crash. The airplane had been chartered to transport Mexican-American singer Jenni Rivera and four others to Toluca following an evening concert in the Monterrey Arena.
- ✦ The flight departed Monterrey at 03:19 and began to climb with the intention of reaching 37,000 ft with an average climb rate of about 1,800 ft/s. At about 03:30:15, two and a half minutes before the final descent, the aircraft stopped climbing and held an altitude of approximately 26,000 ft for about 15 seconds. At 03:31:30 the aircraft again held an altitude of 28,000 ft for a little over 15 seconds before climbing to 28,700 ft. Then at 03:32:11 the aircraft descended 500 ft, returned to 28,800 ft, and then descended until it collided with mountainous terrain at an altitude of 5600 feet above sea level.
- ✦ The NTSB laboratory assisted in the examination of the horizontal stabilizer trim actuator. The examination indicate no evidence of pre-existing damage, corrosion or fatigue. The fracture surfaces of the actuator were indicative of overstress failure as a result of impact.
- ✦ It appeared that the captain was not allowed to operate a commercial flight given his age (78 years old). The copilot had an FAA license which lacked a type rating for Learjet aircraft.

## Scenario 2 - XC-UHM AS332L Puma (helicopter)



	11-NOV-2011
	08:55 LT
Type:	<a href="#">Aérospatiale AS 332L1 Super Puma</a>
Owner/operator:	Fuerza Aérea Mexicana (FAM)
Registration:	TPH-06/XC-UHM
C/n / msn:	2127
Fatalities:	Fatalities: 8 / Occupants: 8
Other fatalities:	0
Aircraft damage:	Written off (damaged beyond repair)
Location:	near Santa Catarina Atoyzingo, Chalco - <a href="#">Mexico</a>
Phase:	En route
Nature:	Military
Departure airport:	Campo Militar Marte, Mexico City
Destination airport:	Ciudad de Cuernavaca, Morelos



## Scenario 2 - XC-UHM AS332L Puma (helicopter)

- ✈ **Narrative:** A Mexican Presidential helicopter crashed near Santa Catarina Atoyzingo killing all eight on board.
- ✈ The Aérospatiale AS 332L1 Super Puma helicopter (XC-UHM/TPH-06) departed Campo Militar Marte, Mexico City at 08:45 on a flight to Ciudad de Cuernavaca.
- ✈ The helicopter carried the Secretary of the Interior, José Francisco Blake Mora, accompanied by Secretary for Legal Affairs and Human Rights of the Secretariat itself, Felipe Castro Zamora, Director General of Social Communication, José Alfredo García Medina, the Technical Secretariat Office of the Secretary, Diana Hayton Miriam Sanchez and Rene de Leon Major Sapien, Security Chief Secretary of the Interior. Additionally there were three crew members on board.
- ✈ The helicopter flew into the side of a hill, Cerro Ayaqueme, at a height of 2600 m asl. The wreckage was found at 11:12. According to the information available at this moment the location of the accident presented layers of clouds at low altitude and reduced visibility.





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THANK YOU