

Theme....

"Making our sky safer through Information Exchange and Lessons Learned"

My Topic.....

Controlled Flight Into Terrain - CFIT

Non-Compliance with SOPs is a factor in most CFIT accidents

– How can CFIT accidents be prevented?

Two CFIT Accidents

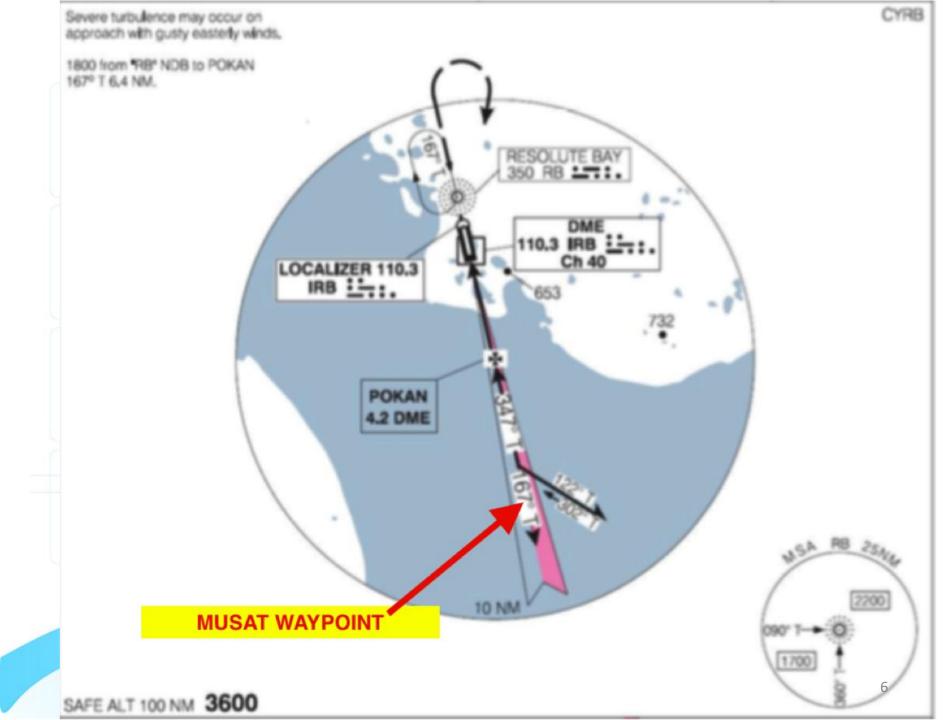
Canadian Accident

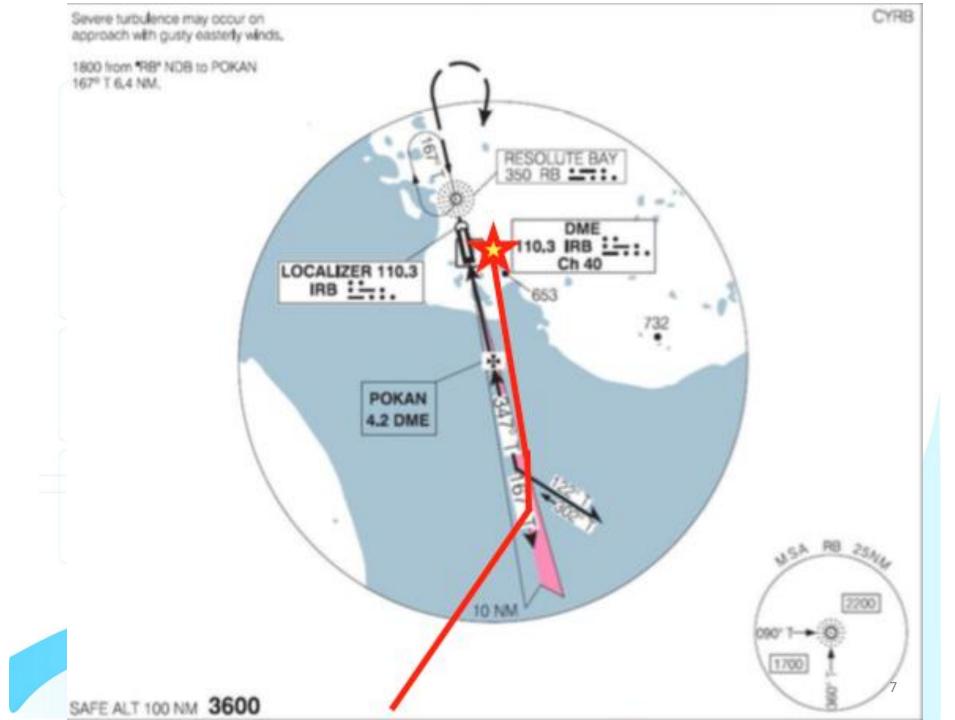
- 20 August 2011
- First Air Flight 6560
- Boeing 737
- Resolute Bay, Nunavut, Canada

Taiwan Accident

- 23 July 2014
- ATR72
- Magong Airport, Taiwan











CFIT ACCIDENTS......

- Are one of the leading causes of accidents for Commercial Air Transport Category Aircraft
- Are almost always <u>fatal</u> accidents
- Typically happen in the "Descent and Approach Phase of Flight"
- Typically are related to Non-Compliance with **SOPs**

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Accident Prevention Information Was Available

- Before the First Air accident in Canada and
- Before the ATR72 accident in Taiwan

 So why was this accident prevention information not effective in stopping these two accidents?

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First Air Accident / Taiwan Accident

- Similarities:
 - Captain was the Pilot Flying
 - Pilots were concerned with weather conditions
 - Tailwind on approach
 - Inadequate approach briefing
 - Pilots ignored SOPs
 - No missed approach despite obvious irregularities with the approach
 - Fixation on completing the landing

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Objective of Accident Investigation

- "The Transportation Safety Board of Canada (TSB) investigated this occurrence <u>for the</u> <u>purpose of advancing transportation safety."</u>
 - To eliminate or reduce safety deficiencies that could lead to a similar occurrence

 "The <u>objective</u> of the ASC's investigation of aviation occurrence is to <u>prevent recurrence</u> <u>of similar occurrences</u>."

Collectively - Who has to take action?

- Government Accident Investigation Agencies (TSB in Canada – ASC in Taiwan)
- Government Regulation Agencies (Transport Canada – CAA in Taiwan)
- Airline Operators
- Individual Employees (Pilots Mechanics Dispatchers – etc.)
- International Safety Organizations (ICAO IATA - Flight Safety Foundation - etc.)

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Government Accident Investigation Agencies (such as - TSB in Canada, and ASC in Taiwan)

- Government Regulation Agencies (Transport Canada CAA in Taiwan)
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