



**Aviation Safety Council**

**Taipei, Taiwan**

# **GE222 Occurrence Investigation**

## **Factual Data Collection**

### **Group Report**

#### **General Information**

**December 26, 2014**

**ASC-FRP-14-12-00**

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# Aviation Occurrence Preliminary Report

<b>FILING INFORMATION</b>						
Headline: TransAsia Airways GE222 Occurrence						
State reporting: Taiwan, ROC			Date entered: 2014.12.04			
State file number: ASC-AOR-14-07-PR1			Reporting org.: Aviation Safety Council			
Report identification: GE222			Report status: Open - ready for coding			
Reporter's name: Thomas Wang						
Telephone: +886-2-8912-7388			Email: wang@asc.gov.tw			
Scope of Investigation: Full (ICAO Annex 13 Format)						
<b>CLASSIFICATION</b>						
Occurrence class: Accident			Occurrence category: TBD			
<b>WHEN</b>						
Local date: 2014.07.23 19:06			UTC date: 2014.07.23 11:06			
<b>WHERE</b>						
State of occurrence: Taiwan, ROC			FIR: Taipei			
Altitude of inflight occurrence: N/A						
Location of occurrence: 750m NE of RCQC RWY 20			Latitude Deg/ Min/ Sec: E 119 38 21.58			
Aerodrome ID/ Name of Aerodrome: RCQC/Magong			Longitude Deg/ Min/ Sec: N 23 35 3.85			
<b>SEVERITY</b>						
Damage aircraft: Destroyed			Injury level: Fatal			
Third party damage: Yes						
<b>INJSR TOTALS</b>						
	Fatal	Serious	Minor	None	Unknown	Total
Total on Ground	0	0	5	0	0	5
Total on Aircraft:	48	10	0	0	0	58
Crew:	4	0	0	0	0	4
Passengers:	44	10	0	0	0	54
Other:	0	0	0	0	0	0
Unknown:	0	0	0	0	0	0
Total:	48	10	5	0	0	63
<b>GENERAL WEATHER CONDITIONS</b>						
Weather conditions: IMC			Light conditions: Night/dark			
<b>AIRCRAFT IDENTIFICATION</b>						
Manufacturer/model: ATR72-212A			State of registry: Taiwan, ROC			
Aircraft Serial Number: 0642			Aircraft registration: B-22810			
<b>AIRCRAFT OPERATION</b>						
Operator: TransAsia Airways			Operation type: Commercial Air Transport Scheduled revenue ops Domestic Passenger			
<b>HISTORY OF FLIGHT</b>						
Last departure point: RCKH			Flight phase: Approach			
			Duration of flight: 87 mins			
Planned destination: RCQC			Occ. on ground: Yes			
<b>TERRAIN AT WREKAAGE</b>						
Terrain type: Level/flat			Surface type: Built-up/houses			
Any special requirement to reach the site: None						
<b>EVENTS</b>						
Aircraft collision with building, during Missed approach or go-around.						
<b>NARRATIVE</b>						

On July 23, 2014, TransAsia Airways passenger flight GE222, an ATR-72 airplane, registration number B-22810, took off from Kaohsiung International Airport for Penghu Magong Airport. There were 58 people on board, including 2 flight crewmembers, 2 cabin crewmembers and 54 passengers.

The aircraft crashed in Xixi Village near Magong Airport at 19:06L when conducting the RWY 20 VOR approach, caused 48 fatalities and 10 serious injuries. 5 residents on ground suffered minor injuries.

On July 23, 2014, TransAsia Airways flight GE222, an ATR-72 with registration number B-22810, took off at 1743 Taipei local time (0943 UTC) from Kaohsiung International Airport for Magong Airport, Penghu Island. The aircraft carried 58 people, including 1 captain, 1 first officer, 2 cabin crew members, and 54 passengers. The aircraft crashed at 1906 in Xixi Village, Huxi Township, northeast of the threshold of Runway 20 at Magong Airport, 48 people perished, 10 people on board and 5 residents on the ground received injuries.

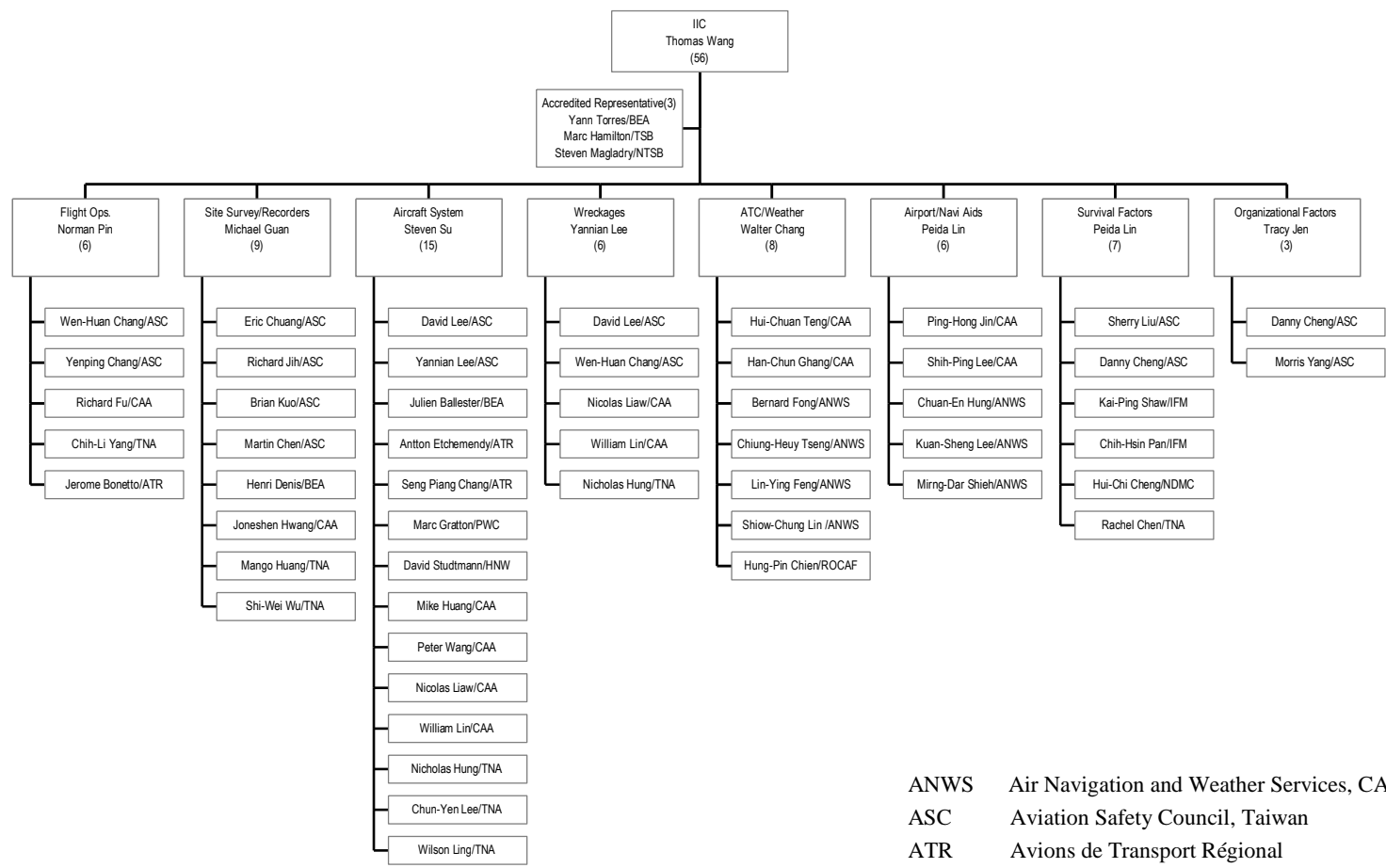
According to ICAO Annex 13 and Aviation Occurrence Investigation Act, Aviation Safety Council (ASC), an independent government organization of Taiwan responsible for civil aviation occurrence investigation, has immediately formed a team to conduct the investigation of this occurrence. The states of manufacture include Bureau d'Enquêtes et d'Analyses (BEA) of France, Transportation Safety Board (TSB) of Canada, and National Transportation Safety Board (NTSB) of the United States joined the investigation team as the Accredited Representatives. Based on the nature of this occurrence, the investigation team is organized into 9 groups: Flight Operations, Site Survey, Systems, Wreckages, ATC & Weather, Airport & Navigation Aids, Survival Factors, Organizational Factors, and Recorders. Organization of the investigation team is shown in Appendix 0-1.

After nearly 5 months of investigation including on-scene investigation and data collection, the investigation team presents the factual data collected relevant to this occurrence. It should be noted that these reports contain only factual information. The analysis portion of the investigation process will commence immediately after the release of these reports. It is expected that the draft report will be furnished to the Accredited Representatives for comments in June 2015 and the final report will be published in October 2015. Should it be any new factual data surface during the time of the analysis, ASC shall notify the Accredited Representatives immediately and the factual report will be modified accordingly.

The factual report is organized by the reports from each individual group. Individual group report contains the name of the group members and their background, histories

of activities, factual description of the group, and data list. The factual description in each group report will follow the format of Chapter 1 of ICAO Annex 13. It should be noted that since each group conducted its own data collection, similar information may appear in the report of several groups. Text of the report will be published on ASC web site: <http://www.asc.gov.tw>

# Appendix 0-1 Organization chart of GE222 occurrence investigation team



- ANWS Air Navigation and Weather Services, CAA Taiwan
- ASC Aviation Safety Council, Taiwan
- ATR Avions de Transport Régional
- BEA Bureau d'Enquêtes et d'Analyses, France
- CAA Civil Aeronautics Administration, Taiwan
- HNW HoneyWell
- IFM Institute of Forensic Medicine, Ministry of Justice
- NDMC National Defense Medical Center
- NTSB National Transportation Safety Board, USA
- PWC Pratt & Whitney Canada Corp.
- ROCAF Republic of China Air Force
- TNA TransAsia Airways
- TSB Transportation Safety Board, Canada

Overall Logistics: Morris Yang