

Occurrence Report

AE369

State reporting	Taiwan Island	Date entered	2012/9/20
Reporting org.	Taiwan (ASC)	Report last modified	2012/10/4 上午 11:47:11
State file number	ASC-AOR-12-08-PR2	Report status	Preliminary

Headline Mandarin Airlines passengers Flight A369, ERJ-190, B-16825, deviate from the runway and stopped on the grass after landing

Occurrence class	Accident	Occurrence category	RE: Runway excursion
Local date	2012/8/17 下午 09:27:00	UTC date	2012/8/17 下午 01:27:00
State/area of occurrence	Taiwan Island	Latitude of occ	23:33 North
Location of occ	RCQC Airport	Longitude of occ	114:37 East

Aircraft Involved

Manufacturer/model	EMBRAER - 190 / 195	Aircraft registration	B-16825
Call sign	MANDARIN	Operator	Mandarin Airlines - (to be coded)
Flight phase	Landing		

TAIWAN ISLAND, ASC-AOR-12-08-PR2**Filing information**

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When

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Where

State/area of occurrence	Taiwan Island	Latitude of occ	23:33 North
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Classification

Occurrence class	Accident	Occurrence category	RE: Runway excursion
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Severity

Damage aircraft	Substantial	Damage aerodrome	None
Third party damage	No	Injury level	None

Injury totals

	Fatal	Serious	Minor	None	Unknown	Total
Total on ground	0	0	0	0	0	0
Total on aircraft	0	0	0	110	0	110
Grand total	0	0	0	110	0	110

ATM relation

ATM contribution	None	Effect on ATM service	No effect
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NARRATIVE (ENGLISH)

<p>On August 17, 2012, Mandarin Airlines passengers Flight 369, aircraft model ERJ-190, registration number B-16825, took off from SongSan Airport for Magong Airport. After landing on Runway 20 at 21:27, the aircraft deviate from the runway and stopped on the grass. The aircraft sustained substantial damage and all people on board were safe.</p>

EVENTS**Runway excursion to the side , during Landing roll. {Occurrence}**

Runway length : Reduced

Runway surface condition generally : Wet

Flight crew's control of the aircraft's landing flare : Long

Flight crew's control of the aircraft's directional movement (yaw control) : Intentional

WEATHER**General weather conditions**

Weather conditions	IMC	Light conditions	Night/dark
Weather relevant	Yes	Wind speed	1.543 m/s
Speed measured at	Surface	Visibility	3200 m

Clouds

Cloud amount	Broken (5/8 to 7/8)	Height of cloud base	426.72 m
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Temperature

Air temperature	25 C	Dew point	24 C
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Precipitation and other weather phenomena

	Precipitation intensity	Precipitation type	Characteristics
	Light	Rain	

Weather reports

	Report validity	Content wx report
SIGMET	Valid	RCAA SIGMET 4 VALID 171300/171700 RCTP- RCAA TAIPEI FIR EMBD TS FCST S OF N2530 TOP FL450 STNR NC=
METAR	Valid	RCQC 171330Z 10003KT 3200 -RA BR FEW006 FEW012CB BKN014 BKN025 25/24 Q1010 NOSIG RMK A2985 RERA CB S =

EMBRAER - 190 / 195, B-16825**Aircraft identification**

Manufacturer/model	EMBRAER - 190 / 195	State of registry	Taiwan Island
Year built	2008	Aircraft registration	B-16825
Aircraft serial number	19000167	Call sign	MANDARIN
		Flight number	AE369

Aircraft Operation

Operator	Mandarin Airlines - (to be coded)	Operation type	Commercial Air Transport - Scheduled revenue ops - Domestic - Passenger
Operator type		ICAO information	

Aircraft description

Aircraft category	Fixed wing	Wake turb. category	Medium
Propulsion type	Turbofan	Mass group	27 001 to 272 000 Kg
Number of engines	2	Maximum take-off mass	45999.712 kg
Landing gear type	Tricycle, retractable	GNSS installed	No
EFIS	Yes, full		

Aircraft status

Total cycles a/c	9006	Maintenance docs.	Current
Aircraft total time	8865 Hour(s)	Airworthiness cert.	Valid

NARRATIVE

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HISTORY OF FLIGHT**Itinerary**

Last departure point	China - RCSS (TSA): Taipei/Songshan	Flight phase	Landing
Planned destination	China - RCQC (MZG): Magong	Duration of flight	0.633 Hour(s)
		Occ. on ground	Yes

Landing

Type of landing	Regular landing	Automatic landing	No
Electronic landing aids	VOR	Landing location.	On land/on aerodrome

Person at controls

Person at controls	Pilot-in-command
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INJURIES**Injuries**

	Fatal	Serious	Minor	None	Unknown	Total
Pilot			0	1	0	1
Co-pilot			0	1	0	1
Cabin crew			0	4	0	4
Other flight crew			0	0	0	0
Crew Total	0	0	0	6	0	6
Passengers	0	0	0	104	0	104
Other on Aircraft	0	0	0	0	0	0
Unknown	0	0	0	0	0	0
Total	0	0	0	110	0	110

AIRCRAFT RECORDINGS**Cockpit voice recorder**

CVR location	Rear fuselage	CVR recovery	Recovered
CVR Recording medium	Solid state	Underwater locator (CVR)	
Number of channels	4	CVR Reason for data loss	
CVR Recording duration	123 Minute(s)	CVR Recording quality	Good
Hot microphone	yes		

Flight data recorder

FDR location	Rear fuselage	FDR recovery	Recovered
FDR Recording medium	Solid state	Underwater locator (FDR)	
Number of parameters	832	Reason for data loss	
FDR Recorder type	Digital FDR	FDR data recovery	Completely recovered
		FDR Data usefulness	Useful

AIRCRAFT METEO**Meteorology**

Flight phase, wx info	Approach/landing
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Weather briefing/forecast

Weather briefing obtained	Pre- and in-flight	Weather forecast	Substantially correct
Pilot aware-sig weather			

Wind

Wind direction	100 Degree(s)	Wind gusts	No
		Maximum gust	

FLIGHT CREW**PILOT-IN-COMMAND****Flight crew member**

Age	42 Year(s)	Category	Pilot-in-command
Gender - Crew Member	Male		

Flight crew rest/duty

Duty last 24 hours	4.3 Hour(s)	Rest before duty	17.5 Hour(s)
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Flight crew experience

	Last 24 hours	Last 90 days	Total
This Aircraft type	4.3 Hour(s)	189.75 Hour(s)	
All types	4.3 Hour(s)	189.75 Hour(s)	9463.6 Hour(s)

Flight crew licences

License type	Ratings	Validity	Registry State issued	Instructor rating	Instrument rating
Aeroplane pilot - Airline transport pilot	Held required rating		Yes		

CO-PILOT**Flight crew member**

Age	26 Year(s)	Category	Co-pilot
Gender - Crew Member	Male		

Flight crew rest/duty

Duty last 24 hours	4 Hour(s)	Rest before duty	44 Hour(s)
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Flight crew experience

	Last 24 hours	Last 90 days	Total
This Aircraft type	2.6 Hour(s)	68.3 Hour(s)	
All types	2.6 Hour(s)	68.3 Hour(s)	403.3 Hour(s)

Flight crew licences

License type	Ratings	Validity	Registry State issued	Instructor rating	Instrument rating
Aeroplane pilot - Airline transport pilot	Held required rating		Yes		

AERODROME**Aerodrome identification**

Aerodrome type	Land	Aerodrome latitude	23:34 North
Location indicator	China - RCQC (MZG): Magong	Aerodrome longitude	119:37 East
Aerodrome status	Public aerodrome	Elevation above MSL	31.394 m

MANAGEMENT**Occurrence report**

Report identification	AE369	Report last modified	2012/10/4 上午 11:47:11
Report moderator	David Lee	Report status	Preliminary
Report source	Accident/Incident investigation	Reporting form type	ICAO - Preliminary Report
Date report created	2012/9/20 上午 10:55:58		