

Occurrence Report

B-77088

State reporting	Taiwan Island	Date entered	2011/5/16
Reporting org.	Taiwan (ASC)	Report last modified	2014/7/9 PM 04:47:32
State file number	ASC-AOR-11-03-001	Report status	Data

Headline Sunrise Airline BK-117 Helicopter, B77088, crashed into water during final approach

Occurrence class	Accident	Occurrence category	CFIT: Controlled flight into or toward terrain
Local date	2009/7/10 AM 04:20:00	UTC date	2009/7/9 PM 10:20:00
State/area of occurrence	Taiwan Island	Latitude of occ	24:26 North
Location of occ	Ocean 1NM away of RCBS Airport	Longitude of occ	118:22 East

Aircraft Involved

Manufacturer/model	KAWASAKI - BK 117	Aircraft registration	B-77088
Call sign	SUNRISE	Operator	Taiwan - Sunrise Airlines - (to be coded)
Flight phase	Approach		

TAIWAN ISLAND, ASC-AOR-11-03-001**Filing information**

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When

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Where

State/area of occurrence	Taiwan Island	Latitude of occ	24:26 North
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Classification

Occurrence class	Accident	Occurrence category	CFIT: Controlled flight into or toward terrain
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Severity

Damage aircraft	Destroyed	Damage aerodrome	None
Third party damage	No	Injury level	Fatal

Injury totals

	Fatal	Serious	Minor	None	Unknown	Total
Total on ground	0	0	0	0	0	0
Total on aircraft	2	1	0	0	0	3
Grand total	2	1	0	0	0	3

ATM relation

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

At 0420 local time, July 10th, 2009, a BK117 helicopter, registration number B-77088, operated by Sunrise Airlines, from Taipei Songshen Airport Taiwan to Kinmen Airport Taiwan. The helicopter requested for landing by direct crossing the runway, then lost contact immediately after communicated with Kinmen airport tower. At 0527 local time, national search and rescue center identified the helicopter crashed into sea water at about 1 NM away of south of Kinmen airport with the pilot survived and 2 fatalities.

EVENTS

Duty time related {Occurrence}
Rest time related {Occurrence}
Civil aviation authority/administration related event {Occurrence}
Deviation from intended flight path/attitude by a helicopter , during Initial Approach {Occurrence}
 Flight crew's control of the aircraft : Without assistance
Pilot., High workload task shedding : Inadequate
Pilot., Self confidence problems : Excessive

EVENTS*Operator., Human interface-specific training : Incomplete**Operator., Human interface-company procedures : Inappropriate*

Flight crew's action in respect to air traffic control procedure : Not followed

Flight crew's supervision of the flight : Not followed

*Co-pilot., Fatigue-falling asleep : Improper**Co-pilot., Fatigue-rest/duty time : Incomplete**Operator., Human interface-specific training : Incomplete**Operator., Human interface-company procedures : Inappropriate**Government - Civil Aviation Authority/Administration, Human interface-procedures : Incomplete***Crew induced abrupt manoeuvre , during Final approach. {Occurrence}**

Flight crew's control of the aircraft's rate of climb : Over-controlled

*Pilot., Vision : Limited**Pilot., Obstructions to vision on the landing site : Limited**Operator., Human interface-specific training : Incomplete*

Flight crew's control of the aircraft's rate of descent : Over-controlled

*Pilot., Vision : Limited**Pilot., Obstructions to vision on the landing site : Limited**Operator., Human interface-specific training : Incomplete*

Flight crew's supervision of the flight : Not followed

*Co-pilot., Fatigue-falling asleep : Improper**Co-pilot., Fatigue-rest/duty time : Incomplete**Operator., Human interface-specific training : Incomplete**Operator., Human interface-company procedures : Inappropriate**Government - Civil Aviation Authority/Administration, Human interface-procedures : Incomplete***Aircraft collision with level terrain/water , during Final approach. {Occurrence}**

Flight crew's height judgement : Incorrect

*Pilot., Landing visual illusions**Operator., Human interface-specific training : Incomplete**Operator., Human interface-company procedures : Inappropriate*

Flight crew's supervision of the flight : Not followed

*Co-pilot., Fatigue-falling asleep : Improper**Co-pilot., Fatigue-rest/duty time : Incomplete**Operator., Human interface-specific training : Incomplete**Operator., Human interface-company procedures : Inappropriate**Government - Civil Aviation Authority/Administration, Human interface-procedures : Incomplete***WEATHER****General weather conditions**

Weather conditions	IMC	Light conditions	Night/dark
Weather relevant	No	Wind speed	7 kt
Speed measured at	Surface	Visibility	3500 m

Clouds

Cloud amount	Few clouds (1/8-2/8)	Height of cloud base	1000 ft
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Temperature

Air temperature	27 C	Dew point	25 C
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KAWASAKI - BK 117, B-77088**Aircraft identification**

Manufacturer/model	KAWASAKI - BK 117	State of registry	Taiwan Island
Year built	1990	Aircraft registration	B-77088
Aircraft serial number	1082	Call sign	SUNRISE
		Flight number	B-77088

Aircraft Operation

Operator	Taiwan - Sunrise Airlines - (to be coded)	Operation type	General Aviation - Other - Ferry/positioning
Operator type		ICAO information	

Aircraft description

Aircraft category	Helicopter	Wake turb. category	Light
Propulsion type	Turboshaft	Mass group	2 251 to 5 700 Kg
Number of engines	2	Maximum take-off mass	3200 kg
Landing gear type	Skid	GNSS installed	No
EFIS	No		

Aircraft status

Total cycles a/c	12424	Maintenance docs.	Current
Aircraft total time	4130.65 Hour(s)	Airworthiness cert.	Valid

HISTORY OF FLIGHT**Itinerary**

Last departure point	Taiwan - RCSS (TSA): Taipei/Songshan Airport - (to be coded)	Flight phase	Approach
Planned destination	Taiwan - RCBS (KNH): Kinmen Airport - (to be coded)	Duration of flight	120 Minute(s)
		Occ. on ground	No

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	0	0	1
Co-pilot	1	0	0	0	0	1
Cabin crew	0	0	0	0	0	0
Other flight crew	0	0	0	0	0	0
Crew Total	1	1	0	0	0	2
Passengers	0	0	0	0	0	0
Other on Aircraft	1	0	0	0	0	1
Unknown	0	0	0	0	0	0
Total	2	1	0	0	0	3

Injury types

	Fatal injuries	Non-fatal injuries	Unknown
Burns	0		
Drowning	2		
Fumes/gases	0		
Impact	0		
Shock exposure	0		
Other reasons	0		
Unknown	0		

AIRCRAFT RECORDINGS**Cockpit voice recorder**

CVR location	Mid fuselage	CVR recovery	Recovered
CVR Recording medium	Solid state	Underwater locator (CVR)	
Number of channels	4	CVR Reason for data loss	None/not applicable
CVR Recording duration	30 Minute(s)	CVR Recording quality	Poor
Hot microphone	No		

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

Age	51 Year(s)	Category	Pilot-in-command
Gender - Crew Member	Male		

Flight crew rest/duty

Duty last 24 hours	3.95 Hour(s)	Rest before duty	
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Flight crew experience

	Last 24 hours	Last 90 days	Total
This Aircraft type	3.95 Hour(s)	78.93 Hour(s)	3246.65 Hour(s)
All types	3.95 Hour(s)	78.93 Hour(s)	6653.95 Hour(s)

Flight crew licences

License type	Ratings	Validity	Registry State issued	Instructor rating	Instrument rating
Helicopter pilots - Airline transport pilot - helicopter	Held required rating	Valid, no waivers	Yes		

CO-PILOT**Flight crew member**

Age	54 Year(s)	Category	Co-pilot
Gender - Crew Member	Male		

Flight crew rest/duty

Duty last 24 hours	3.95 Hour(s)	Rest before duty
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Flight crew experience

	Last 24 hours	Last 90 days	Total
This Aircraft type	3.95 Hour(s)	47.13 Hour(s)	1791.9 Hour(s)
All types	3.95 Hour(s)	47.13 Hour(s)	7257.78 Hour(s)

Flight crew licences

License type	Ratings	Validity	Registry State issued	Instructor rating	Instrument rating
Helicopter pilots - Airline transport pilot - helicopter	Held required rating	Valid, no waivers	Yes		

MANAGEMENT**Occurrence report**

Report identification	B-77088	Report last modified	2014/7/9 PM 04:47:32
Report moderator		Report status	Data
Report source	Accident/Incident investigation	Reporting form type	ICAO - Final Report
Date report created	2011/5/16 AM 09:17:32		