

Occurrence Report

BFU EX010-10

State reporting	Germany	Date entered	17.08.2010
Reporting org.	Germany (BFU)	Report last modified	2019.05.28 09:34
State file number	BFU EX010-10	Report status	Closed

Headline Near miss between airliner and two gliders

Occurrence class	Serious incident	Occurrence category	MAC: AIRPROX/near miss/midair collision
Local date	06.08.2010 15:58:00	UTC date	06.08.2010 23:00:00
State/area of occurrence	Germany	Latitude of occ	55:15 North
Location of occ	Hahn	Longitude of occ	7:19 East

Aircrafts Involved

Manufacturer/model	BOEING - 737-800	Aircraft registration	EI-DCO
Call sign		Operator	Ireland - Ryanair

Manufacturer/model	SCHLEICHER - ASW 20 L	Aircraft registration	D-4687
Call sign		Operator	' - (not coded)

Manufacturer/model	SCHLEICHER - ASW 20 L	Aircraft registration	D-1432
Call sign		Operator	Flugverein - (not coded)



GERMANY, BFU EX010-10

Filing information

Headline	Near miss between airliner and two gliders		
State reporting	Germany	Date entered	17.08.2010
State file number	BFU EX010-10	Reporting org.	Germany (BFU)

When

Local date	06.08.2010 15:58:00	UTC date	06.08.2010 23:00:00
-------------------	---------------------	-----------------	---------------------

Where

State/area of occurrence	Germany	Latitude of occ	55:15 North
Location of occ	Hahn	Longitude of occ	7:19 East

Classification

Occurrence class	Serious incident	Occurrence category	MAC: AIRPROX/near miss/midair collision
-------------------------	------------------	----------------------------	---

Severity

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

Injury totals

	Fatal	Serious	Minor	None	Unknown	Total
Total on ground						
Total on aircraft				185		185
Grand total				185		185

ATM relation

ATM contribution	Directly involved	Effect on ATM service	No effect
-------------------------	-------------------	------------------------------	-----------

NARRATIVE (GERMAN)

Während des Anfluges auf den Verkehrsflughafen Frankfurt-Hahn kam es in ca. 5500 ft (AMSL), im Luftraum E zur Annäherung einer Boeing 737 mit zwei Segelflugzeugen. Der geringste Abstand betrug 0,17 NM horizontal und 509 ft vertikal.

NARRATIVE (ENGLISH)

During the approach to Frankfurt-Hahn an airprox occurred at about 5,500 ft (AMSL) inside airspace E involving a Boeing B737 and two gliders. The closest distance was 0.17 NM lateral and 509 ft vertical.

UNTERSUCHUNGSFORM

Untersuchung durch Mitarbeiter der BFU

GERMAN AREA LOCATION

1A - Darmstadt (HE)

VERTEILER

Ireland, USA, ICAO, EU, EASA

EVENTS

Loss of separation with aircraft -both airborne , during Initial Approach {Aircraft - EI-DCO}
 Loss of separation with aircraft -both airborne , during Thermal lift. {Aircraft - D-1432}
 Loss of separation with aircraft -both airborne , during Thermal lift. {Aircraft - D-4687}

WEATHER

General weather conditions

Weather conditions	VMC	Light conditions	Daylight
Weather relevant		Wind speed	
Speed measured at		Visibility	

Clouds

Cloud amount	Broken (5/8 to 7/8)	Height of cloud base	
--------------	---------------------	----------------------	--

BOEING - 737-800, EI-DCO

Aircraft identification

Manufacturer/model	BOEING - 737-800	State of registry	Ireland
Year built		Aircraft registration	EI-DCO
Aircraft serial number		Call sign	
		Flight number	

Aircraft Operation

Operator	Ireland - Ryanair	Operation type	Commercial Air Transport - Non-scheduled revenue ops - International - 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	78240 kg
Landing gear type	Tricycle, retractable	GNSS installed	
EFIS			

LUFTFAHRZEUGART

Flugzeug

HISTORY OF FLIGHT

Itinerary

Last departure point	Spain - LEAL (ALC): Alicante	Flight phase	Approach
Planned destination	Germany - EDFH (HHN): FRANKFURT-HAHN	Duration of flight	
		Occ. on ground	No

Speed and altitude at first event

Speed (1st event)	208 kt	True airspeed	
Type of speed	Indicated airspeed		

Person at controls

Person at controls	Co-pilot
---------------------------	----------

INJURIES

Injuries

	Fatal	Serious	Minor	None	Unknown	Total
Pilot				1		1
Co-pilot				1		1
Cabin crew				4		4
Other flight crew						
Crew Total				6		6
Passengers				179		179
Other on Aircraft						
Unknown						
Total				185		185

AIRCRAFT RECORDINGS

Flight data recorder

FDR location		FDR recovery	
FDR Recording medium		Underwater locator (FDR)	
Number of parms		Reason for data loss	
FDR Recorder type		FDR data recovery	Completely recovered
		FDR Data usefulness	Very useful

AIR TRAFFIC SERVICES

Air traffic control

Controlling agency	Air traffic control	Special ATC procedures	
Clearance validity	Valid		

Flight plan

Filed flight rules	Instrument flight rules	Current flight rules	IFR
Filed traffic type	GAT	Current traffic type	GAT
Flight plan type		SSR code	
		SSR mode	

Flight level, altitude

	Height	Altimeter (QFE)	Altitude	Altimeter (QNH)	Flight level
Actual			5500 ft	1018 hPa	
Cleared					
Requested					
Co-ordinated entry					
Co-ordinated exit					

FLIGHT CREW

PILOT-IN-COMMAND

Flight crew member

Age	35 Year(s)	Category	Pilot-in-command
Gender - Crew Member	Male		

Flight crew experience

	Last 24 hours	Last 90 days	Total
This Aircraft type			
All types			9900 Hour(s)

Flight crew licences

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

CO-PILOT

Flight crew member

Age	25 Year(s)	Category	Co-pilot
Gender - Crew Member	Male		

Flight crew experience

	Last 24 hours	Last 90 days	Total
This Aircraft type			
All types			1700 Hour(s)

Flight crew licences

License type	Ratings	Validity	Registry State issued	Instructor rating	Instrument rating
Aeroplane pilot - Commercial pilot	Held required rating	Valid, no waivers			Yes



SCHLEICHER - ASW 20 L, D-4687

Aircraft identification

Manufacturer/model	SCHLEICHER - ASW 20 L	State of registry	Germany
Year built		Aircraft registration	D-4687
Aircraft serial number		Call sign	
		Flight number	

Aircraft Operation

Operator	' - (not coded)	Operation type	General Aviation - Pleasure - Cross-country
Operator type	Private owner	ICAO information	

Aircraft description

Aircraft category	Glider	Wake turb. category	
Propulsion type	None	Mass group	0-2 250 Kg
Number of engines	0	Maximum take-off mass	
Landing gear type	Mono-wheel, retractable	GNSS installed	
EFIS			

LUFTFAHRZEUGART

Segelflugzeug

HISTORY OF FLIGHT

Itinerary

Last departure point	Landau-Ebenberg - (not coded)	Flight phase	En route
Planned destination	Landau-Ebenberg - (not coded)	Duration of flight	
		Occ. on ground	

Speed and altitude at first event

Speed (1st event)		True airspeed	
Type of speed			

Person at controls

Person at controls	Pilot-in-command
---------------------------	------------------

AIR TRAFFIC SERVICES

Flight level, altitude

	Height	Altimeter (QFE)	Altitude	Altimeter (QNH)	Flight level
Actual			5923 ft		
Cleared					
Requested					
Co-ordinated entry					
Co-ordinated exit					



FLIGHT CREW

PILOT-IN-COMMAND

Flight crew member

Age	18 Year(s)	Category	Pilot-in-command
Gender - Crew Member	Male		

Flight crew licences

License type	Ratings	Validity	Registry State issued	Instructor rating	Instrument rating
Glider pilots - Private pilot	Held required rating				

SCHLEICHER - ASW 20 L, D-1432

Aircraft identification

Manufacturer/model	SCHLEICHER - ASW 20 L	State of registry	Germany
		Aircraft registration	D-1432
Year built		Call sign	
Aircraft serial number		Flight number	

Aircraft Operation

Operator	Flugverein - (not coded)	Operation type	General Aviation - Pleasure - Cross-country
Operator type		ICAO information	

Aircraft description

Aircraft category	Glider	Wake turb. category	
Propulsion type	None	Mass group	0-2 250 Kg
Number of engines	0	Maximum take-off mass	
Landing gear type	Mono-wheel, retractable	GNSS installed	
EFIS			

LUFTFAHRZEUGART

Segelflugzeug

HISTORY OF FLIGHT

Itinerary

Last departure point	Landau-Ebenberg - (not coded)	Flight phase	En route
		Duration of flight	
Planned destination	Landau-Ebenberg - (not coded)	Occ. on ground	No



Speed and altitude at first event

Speed (1st event)		True airspeed	
Type of speed			

Person at controls

Person at controls	Pilot-in-command
--------------------	------------------

AIR TRAFFIC SERVICES

Flight plan

Filed flight rules	None	Current flight rules	VFR
Filed traffic type	GAT	Current traffic type	GAT
Flight plan type		SSR code	
		SSR mode	

Flight level, altitude

	Height	Altimeter (QFE)	Altitude	Altimeter (QNH)	Flight level
Actual			6009 ft		
Cleared					
Requested					
Co-ordinated entry					
Co-ordinated exit					

FLIGHT CREW

PILOT-IN-COMMAND

Flight crew member

Age	22 Year(s)	Category	Pilot-in-command
Gender - Crew Member	Male		

Flight crew licences

License type	Ratings	Validity	Registry State issued	Instructor rating	Instrument rating
Glider pilots - Private pilot	Held required rating				

AIRSPACE

Airspace

Airspace type	TMA	FIR/UIR name	FIR Langen - (not coded)
Airspace name		Special activities	
Airspace class	E		

ATS UNIT (LANGEN)

ATS unit identification

ATS unit name	Langen	Nr. sectors defined	
		Nr. sectors opened	
		Nr. sectors manned	

ATM ground safety nets

	Installed	Alerting	Reaction
	Yes	Yes	Other
STCA			
MSAW			
APWI			
A-SMGCS			
Other			

ATM RECORDINGS

ATM recordings

	ATM recording type	Data usefulness
	RTF - radio telephony	Yes
	Radar	Yes

MANAGEMENT

Occurrence report

Report identification	BFU EX010-10	Report last modified	2019.05.28 09:34
Report moderator	Blanke	Report status	Closed
Report source	Accident/Incident investigation	Reporting form type	ICAO - Data Report
Date report created	2010.01.04 13:26		