

ANNUAL SAFETY REVIEW 2023

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List of fatal accidents

Commercial air transport – complex aeroplanes

Local Date	State of Occurrence	Location	Aeroplane	Headline
11/11/2012	Italy	Roma Fiumicino Airport	AIRBUS - A320	Loading crew caught between loader and baggage door.
24/07/2014	Mali	80 km south-east of Gossi	DOUGLAS - DC9 - 80 - 83	Anti-icing system not activated by flight crew - Pressure sensor obstructed by ice crystals. Aircraft stalled and crashed.
20/10/2014	Russian Federation	UUWW (VKO): Moskva/Vnukovo	DASSAULT - FALCON 50 - EX	Aircraft collided with a snowplough vehicle during take-off run. Aircraft was destroyed by fire.
24/03/2015	France	Prads-Haute-Bléone	AIRBUS - A320 - 200 - 211	First officer alone in the cockpit, initiated a rapid descent - Aircraft impacted mountainous terrain.
08/01/2016	Sweden	Oajevágge	BOMBARDIER - CL600 2B19	IRU malfunction - Crew spatial disorientation - Loss of control - Aircraft crashed on a mountainous terrain.
14/12/2017	Germany	Approach to EDNY (FDH) : Friedrichshafen	CESSNA - 510	Loss of control during intercept of the localizer for the approach.
02/09/2022	Guinea	GUCY : Conakry	AIRBUS - A320 - 200N - 251N	Collision with a motorbike during landing. Two fatalities on ground.

Commercial air transport – other than complex aeroplanes

Local Date	State of Occurrence	Location	Aeroplane	Headline
20/01/2014	Romania	near Horea	BRITTEN NORMAN - BN2A - 27	Aircraft crashed in IMC and icing conditions
25/07/2020	Switzerland	Gletscherspitze above Blatten / VS	CESSNA - 172 - R	Aircraft collided with elevated terrain

Non-commercial complex aeroplanes

Local Date	State of Occurrence	Location	Aeroplane	Headline
10/12/2012	Cyprus	Larnaca	CESSNA - 750 - NO SERIES EXISTS	A service vehicle struck the right wingtip, vehicle driver trapped.
29/04/2013	Congo, Democratic Republic of the	FZAA (FIH): Kinshasa/N'djili	DASSAULT - FALCON 900EX	Collision with an individual on ground.
12/01/2014	Germany	Near Trier-Föhren Airport	CESSNA - 501	Aircraft collision against power pole.

Local Date	State of Occurrence	Location	Aeroplane	Headline
04/01/2018	Finland	Kittilä airport, EFKT	GULFSTREAM - GULFSTREAM 150	Fatal injuries to captain due to door opening violently.
04/09/2022		Baltic Sea	CESSNA - 551	The aircraft crashed in international waters.
21/10/2022	Costa Rica	Near MRLM (LIO): Puerto Limón Airport	PIAGGIO - P180 - AVANTI II	Aircraft crashed into the sea

Specialised operations aeroplanes

Local Date	State of Occurrence	Location	Aeroplane	Headline
28/04/2012	Germany	Alkersleben	ZLIN - Z226	Aircraft touched the ground after a formation flight.
05/05/2012	France	AD Buno Bonnevaux (91)	PIPER - PA25 - 235, SLINGSBY - T31	Mid-air collision between a glider and an aeroplane above runway.
17/06/2012	Romania	Banesti, Prahova	AEROSTAR	Collision with power cables on approach and subsequent crash and post-impact fire.
22/07/2012	France	AD Couhé Véraç (86)	OTHER	Loss of control and subsequent crash during air show.
07/09/2012	Italy	Di Fioranello street 163, Rome	CESSNA - 402	Aircraft impacted terrain during aerial work operations - aerial photography.
09/09/2012	Germany	Backnang-Heiningen	ROBIN - DR400 - 180R	Avions Robin DR400 - Loss of control during take-off as aircraft fell into the vortex generated by the preceding aircraft flying - 4 persons on board, 3 fatalities, 1 serious injury.
22/10/2012	Netherlands	EHAA	DIAMOND - DA40, GENERAL AVIA - F22	Mid-air collision during photo flight - 2 persons on board on each aircraft, 2 fatalities, 2 serious injuries - both aircraft destroyed.
09/03/2013	Czech Republic	600m N Srbce (Chrudim)	ZLIN - Z37 - A	Aircraft collided with trees in IMC.
05/05/2013	Spain	Madrid-Cuatro Vientos Airport (LECU)	HISPANO AVIACION - HA200 - D	Aircraft crashed during airshow.
08/05/2013	Netherlands	Egmond aan Zee, Noord-Holland	CESSNA - 172 - P	Ditched in North Sea near Egmond.
01/06/2013	Sweden	Söderhamn Airport	SAAB - 91	Engine failure during airshow due to lose spark plugs.
29/06/2013	Germany	Eberswalde-Finow	ZLIN - Z526 - AFS	Aircraft crashed during aerobatics.
30/06/2013	Sweden	Near Veberöd, Sweden	GRUMMAN - GA7	Crash in a field after reported engine problems.
19/10/2013	Belgium	Gelbresse	PILATUS - PC6	Abrupt manoeuvre - left wing structural failure due to a significant overload - aircraft out of control crashed into a ploughed field.
20/04/2014	Finland	2 km from Jämijärvi airfield EFJM, Satakunta	Other	During climb, right wing broke due to a fatigue failure - aircraft entered a spin, crashed, and caught fire - 11 persons on board, 8 fatalities.
08/05/2014	Latvia	EVLA - Liepaja	PITTS - S2 - B	Pitts S-2B Special - Aircraft crashed during aerobatic routine - 1 person on board, 1 fatality - aircraft destroyed.

Local Date	State of Occurrence	Location	Aeroplane	Headline
06/06/2014	Czech Republic	near Krizanov airfield, LKKA	TECNAM - P92	Crashed shortly after take-off whilst glider towing. Glider disconnected and landed safely - 1 person on board, 1 fatality on board - aircraft destroyed
23/06/2014	Germany	Near Olsberg-Elpe	LEARJET - 35 - A, Military aircraft	Collision of two aircraft in flight, one military - 3 persons on board, 2 fatally injured on board
05/07/2014	Poland	Topolów district Mykanów, Czestochowskastreet No 36; near Czestochowa	PIPER - PA31P	Piper PA-31 Navajo - Engine problems during climb-out, loss of height and collision with ground. Aircraft destroyed by post-impact fire – 12 persons on board – 11 fatalities on board, 1 serious injury.
19/07/2014	Czech Republic	1 NM S LKKM	ZLIN - Z526 - F	The aircraft entered an inverted spin and impacted the ground.
01/08/2014	France	Linthal (68)	Other	Aircraft suddenly descended in nose down attitude. Collision with the ground during aerial photography flight.
13/09/2014	France	At FL110 AD Tarbes Laloubère	CESSNA - U206 - F	Parachute opened upon parachutist leaving the aircraft, parachute struck the tail of the aircraft and damaged part of the stabilizer, loss of control of aircraft and subsequent crash.
14/09/2014	Germany	Münster-Telgte Airfield - EDLT	DALLACH - D4, Other	During an evasive manoeuvre a light aircraft hit the tug's towrope of another aircraft with the propeller. The aircraft crashed into a cornfield and burst into flames – 2 persons on board, 2 fatalities - aircraft destroyed
21/09/2014	Italy	near Venezia Lido Airport	XTREMEAIR	XtremeAir Xtreme 3000 - Aircraft crashed during aerobatics performance – 1 person on board, 1 fatality - aircraft destroyed
30/05/2015	France	Blois	STAMPE - SV4 - C	During aerobatics session the aircraft went into spin after a half loop manoeuvre. Aircraft crashed.
01/08/2015	Romania	next to Stancuta airfield	PZL MIELEC - AN2 - R	Aircraft crashed shortly after take-off.
03/08/2015	Spain	Viladamat airfield	Other	Aircraft deviated to the right during the take-off- the right-wing tip hit the ground. The aircraft crashed and caught fire.
11/08/2015	Austria	7121 Weiden am See, Burgenland	PIPER - PA18	Collision in flight with power cables and subsequent crash.
20/08/2015	Slovakia	Cervený Kamen	LET - L410 - UVP, LET - L410	Mid-air collision while en-route. Both aircraft were performing parachute dropping operations.
23/08/2015	Switzerland	Dittingen LSPD	COMCO IKARUS - IKARUS C42 - B, COMCO IKARUS - IKARUS C42 - B	Mid-air collision during air show.
30/08/2015	Austria	Airfield Friesach Hirt, Carinthia	PITTS - S2 - B	Loss of control during aerobatic show with aircraft.
27/09/2015	France	LFDW - Chauvigny	OTHER	Loss of control in circuit pattern - aircraft crashed.
14/03/2016	Kenya	Proche AD Kauro	OTHER	Aircraft crash.
20/05/2016	Germany	Rodigast	PZL OKECIE - PZL101	Loss of control and subsequent crash into forest.

Local Date	State of Occurrence	Location	Aeroplane	Headline
04/06/2016	Czech Republic	LKNYMB	OTHER	Fall of ULAC - Loss of speed during turn and fall into a spin.
11/06/2016	Italy	Cecina	PILATUS - PC6	Parachutists reserve parachute opened prematurely. Parachutist hit the RH stabilizer - structural damage in flight and crash.
19/06/2016	Portugal	after take-off from LPFC: Figueira dos Cavaleiros	PILATUS - PC6 - B2H4	In-flight fuselage breakup due to material fatigue.
18/09/2016	Hungary	Gödöllo Arboretum	PIPER - PA28 - 140, CESSNA - 182 - D	Two aircraft collided with each other in the vicinity of LHGD. 4 persons on board, 4 fatalities.
16/07/2017	France	Capo di Feno	ICP - SAVANNAH - VG	Roll controls problem, loss of control - aircraft crashed.
15/08/2017	Spain	Near the 55 kilometer point of N-340 road (Vejer de la Frontera)	PIPER - PA36 - 375	Bird strike followed by crash during fumigation work in a rice field (low altitude operation).
03/09/2017	Italy	Pontinia	CESSNA - 182 - P	Loss of control inflight - crash and fire.
16/09/2017	Slovakia	LZPE	ZLIN - Z37 - C	Loss of control and crash.
13/05/2018	Ireland	3.5 nautical miles (NM) west of ClonbullogueVillage, Co. Offaly	CESSNA - 208 - B	Aircraft crash following steeply banked turn.
31/05/2018	Netherlands	Just outside EHSE: Hoeven/Seppe	PIPER - PA25 - 235	Aircraft crashed in attempt to pick up commercial text banner.
12/06/2018	Spain	2000 m off the coast of Cala Sollerica, municipality of Pollença - Mallorca	AIR TRACTOR - AT802	Aircraft crashed into the sea.
27/07/2018	France	Bouloc-en-Quercy	PILATUS - PC6 - B2H4	Wing strike with a skydiver (wingsuiter).
29/07/2018	Slovenia	AD Bovec	ROBIN - DR400 - 180R	Collision with the ground after towing, fire
08/08/2018	Mauritania	Diatar	AYRES - S2R - T - T34	Aircraft collision with the ground, fire.
19/08/2018	France	AD Colmar Houssen	AEROSPOOL - WT9, CENTRAIR - 101 - A	Loss of control of the tug ULM during take-off in glider tow, collision with runway, fire. 1 person on board, 1 fatality.
15/06/2019	Poland	Wisla river, Plock	YAKOVLEV - YAK52	Not recovered spin and crash to the river.
14/07/2019	Sweden	ESNU (UME): Umeå	GIPPSLAND - GA8 - TC320	The aircraft impacted terrain in a steep nose down after take-off.
27/08/2019	Belgium	Kortrijk airport (EBKT)	MORANE SAULNIER - MS893	Crash during banner pick up.
11/09/2019	Germany	Gransee	CESSNA - 208	Crash into terrain.
11/09/2019	France	take-off from LFIX: Itxassou	COMCO IKARUS - IKARUS C42, SCHLEICHER - ASK21	Tow airplane failure on take-off - glider forced landing, airplane crash. 1 fatality.
13/08/2020	Germany	Hessisch Lichtenau	ROBIN - DR400 - RP	Loss of control.
20/09/2020	Italy	near LILR: Cremona/Migliaro	PILATUS - PC6 - B2H4	Collision between airplane and skydiver. Crash.
30/09/2020	France	Mont d'Artzamendi	COMCO IKARUS - IKARUS C42 - C	Birdstrike and crash during evasive manoeuvre.

Local Date	State of Occurrence	Location	Aeroplane	Headline
11/02/2021	Ethiopia	Goba	AYRES - S2R600 - T - T34	Aircraft crashed into terrain during a locust spraying mission and caught fire.
08/07/2021	Sweden	ESOE (ORB) : Å-rebro	DE HAVILLAND - DHC2	Aircraft crashed after take-off and caught fire.
26/07/2021	Germany	Nordeneney	CESSNA - 208	Aircraft crashed into the water during approach.
13/10/2021	France	Bordes-de-Rivière	AEROSPOOL - WT9, GLASER DIRKS - DG600M	Glider crashed into terrain after disconnection from the tug microlight.
12/07/2022	France	LFIR : Revel-Montgey	ROBIN	Problem at the start of the climb during towing, emergency release by the glider, collision of the towing plane with trees then the ground.
03/08/2022	Poland	Glinna, near EPPT	SHORT - SC7	Collision with the ground during parachute operation after skydivers exited the plane.
23/10/2022	Poland	Near EPRU	AEROSPOOL - WT9	Loss of control in flight (glider) after emergency release.

Non-commercial other than complex aeroplanes

Local Date	State of Occurrence	Location	Aeroplane	Headline
15/01/2017	Spain	near LEMT - Casarrubios Del Monte	TECNAM - P2002	Aircraft crashed into a field in a high nose down attitude. 2 persons on board, 2 fatalities.
19/01/2017	Spain	near LEAX - La Axarquia-Leoni Benabu	RANS - S6 - ES	Loss of control of the aircraft by steep turn after take-off on runway 30.
02/02/2017	Germany	Melle	DIAMOND - DA20 - A1	Aircraft collided with a wind turbine. 1 person on board, 1 fatality.
20/02/2017	Guadeloupe	Petit Bourg	PIPER - PA28 - 161	Airplane crashed into a building while flying at low altitude.
10/03/2017	France	near LFHL - Langogne / Lespéron	ALPI AVIATION - PIONEER200	Collision with the ground after take-off - Aircraft catch fire.
27/03/2017	Ireland	Cloncoskoran, near Dungarvan Co. Waterford	RUTAN - LONGEZ	Aircraft crashed in a field due to engine failure. 1 person on board, 1 fatality.
05/04/2017	Germany	Wedemark	OTHER - Not mapped	Collision with power line, fire, and crash.
06/04/2017	France	AD Megève	OTHER	During a go-around manoeuvre, the aircraft collided with trees, crashed and caught fire.
08/04/2017	France	during initial climb from LFQZ: Dieuze-Guéblange	OTHER	Loss of control in flight, collision with the ground - post impact fire.
09/04/2017	France	AD Chelles Le Pin	EVEKTOR AEROTECHNIK - SPORTSTAR RTC	Bounced landing, the student pilot lost the aircraft's control after initiating a go around. The aircraft crashed in a field. 1 person on board, 1 fatality.
14/04/2017	Italy	Dovera (CR)	TECNAM - P92	Aircraft crashed on the ground during VFR flight. 2 persons on board, 2 fatalities.
15/04/2017	France	Saint Cybardeaux	OTHER - Not mapped	During take-off the aircraft strikes the tops of the trees. The aircraft collides with the ground in a field and catches fire.

Local Date	State of Occurrence	Location	Aeroplane	Headline
17/04/2017	Portugal	Cascais	PIPER - PA31T	Loss of control after failure of critical engine during take-off.
29/04/2017	Spain	Canillas de Aceituno	SOCATA - TB20	Inadvertent flight into IMC. Aircraft collided with a mountain.
30/04/2017	France	Sainte-Maxime, col de Bougnon	OTHER	Microlight went into a spin and crashed.
12/05/2017	France	AD Villefranche-de-Rouergue	OTHER	Aircraft rolled and crashed after take-off.
17/05/2017	France	Bettenheim	AEROSPOOL - WT9	Ultralight loss of control and crash due to opening of the canopy in flight.
28/05/2017	United Kingdom	Apperknowle	EUROPA	Aircraft partial loss of power as a result of fuel vapor disrupting fuel supply to engine during take-off followed by crash in adjacent field. 1 person on board, 1 fatality.
03/06/2017	France	LFEZ: Nancy-Malzéville	OTHER - Not mapped	Engine lost power after take-off and the aircraft crashed to the ground.
04/06/2017	France	LFEB: Dinan Trélivan	JODEL - D9	Pilot loss control of the aircraft while performing an aerodrome circuit. The aircraft crashed to the ground.
17/06/2017	France	Parisot	OTHER - Not mapped	The microlight hit the ground with a strong nose down attitude.
26/06/2017	Czech Republic	LKHD: Hodkovice	PIPER - L4 - J	Aircraft crashed shortly after take-off. 2 persons on board, 1 fatality, 1 serious injury.
05/07/2017	Switzerland	near LSGN - Neuchatel	CZECH SPORT - PS28 - NO SERIES EXISTS	Pilot lost control after take-off during initial climb. 2 persons on board, 2 fatalities.
19/07/2017	Finland	Lievestuore (municipality of Laukaa)	PIPER - J3C - 65 - 65	Aircraft crashed into a forest during final approach in bad weather condition.
21/07/2017	Poland	EPML	OTHER	Loss of control shortly after take-off - 2 persons on board, 2 fatal injuries.
26/07/2017	Greece	Terpsithea airfield - LARISSA	TL ULTRALIGHT - TL2000 STING	Ultralight TL-2000 airplane Crashed close to RWY threshold resulting to fatal injury of both occupants.
28/07/2017	Poland	EPLL	CESSNA - 152	Aircraft collided with trees during approach. 1 person on board, 1 fatality.
01/08/2017	Norway	Oppland county	AQUILA - AT01	Aircraft crashed into mountain. 1 person on board, 1 fatality.
02/08/2017	Portugal	Praia de São João da Caparica	CESSNA - 152	Forced landing on the beach due to engine failure. Aircraft collided with pedestrians. 2 persons on board, 2 fatal injuries on ground.
04/08/2017	Switzerland	Diavolezza/GR	PIPER - PA28 - 181	Collision with high terrain. 3 persons on board, 3 fatally injured.
07/08/2017	France	P-F ULM Saint-Estèphe	PIPISTREL	Crash during a low passage right after take-off followed by fire.
08/08/2017	Germany	Bodensee / Mainau	PIPER - PA46	The aircraft crashed into the Lake Bodensee north of Konstanz. 2 persons on board 2 fatalities.
19/08/2017	Spain	Coscojuela de Sobrarbe airfield	OTHER	Loss of control with incorrect flap configuration followed by aircraft stall and crash during approach.
19/08/2017	Romania	Tătăruși commune, Iași county	OTHER	Engine failure shortly after take-off. Aircraft loss height and crashed.
20/08/2017	Switzerland	Alp Tsanfleuron, Savièse VS	PIPER - PA28 - 161	Aircraft collided with terrain. 3 persons on board, 3 fatalities.

Local Date	State of Occurrence	Location	Aeroplane	Headline
22/08/2017	Norway	near Holmestrand	PITTS - S2 - B	Pilot lost the aircraft control while performing aerobatics manoeuvre and crashed. 2 persons on board, 2 fatalities.
27/08/2017	Germany	Moormeerland	MORANE SAULNIER - MS883	Collision with the ground due to unknown circumstances. 1 person on board, 1 fatality.
31/08/2017	Spain	Sant Pau D'Ordal	ICP - SAVANNAH	Crash in mountainous area in adverse weather conditions.
09/09/2017	Italy	Salussola (BI)	PIPER - PA34	Aircraft crashed on the ground during VFR approach in poor weather conditions. 1 person on board, 1 fatality.
10/09/2017	France	Luray	EVEKTOR AEROTECHNIK	The pilot lost control of his aircraft which collided with the ground.
12/09/2017	France	Ghisonaccia	DIAMOND - DA42	Aircraft crashed due to unknown reasons. 4 persons on board, 4 fatalities.
12/09/2017	Switzerland	Braunwald/GL	MOONEY - M20K	Aircraft crashes in high terrain - 2 persons on board, 2 fatally injured - Aircraft destroyed.
19/09/2017	Norway	near ENHA - Hamar / Stafsberg	VANS - RV4	Loss of control on approach, spin and crash. 2 persons on board, 2 fatalities.
26/09/2017	Czech Republic	near Noviny pod Ralskem	CESSNA - 421 - B	ENG1 failure en-route, spin, ENG2 shutdown; Crash and fire.
28/09/2017	United Kingdom	Grove Farm, Wolvey	EUROPA - EUROPA	On landing, runway excursion through hedge.
28/09/2017	France	AD Saint-Jean-d'Angély	OTHER - Not mapped	Engine failure, loss of control, collision with the ground, fire.
05/10/2017	Portugal	Marim-Quelfes	KOLB - TWINSTAR - III	Aircraft stalled shortly after take-off and crashed.
05/10/2017	France	LFCL - Toulouse Lasbordes	COLOMBAN	Runway excursion - aircraft overturned.
07/10/2017	Italy	1,5 km from Padenghe sul Garda	TECNAM - P2002	Aircraft crashed on the ground during VFR flight.
08/10/2017	France	LFCN - Nogaro	OTHER - Not mapped	Loss of control on take-off, collision with ground and fire.
08/10/2017	Spain	Escorca, near Binissalem	OTHER	Aircraft collision with mountainous terrain in a narrow valley.
08/10/2017	France	AD Nogaro	FUNK	Stall during a manoeuvre with high inclination and low height shortly after take-off, collision with the ground, fire.
16/10/2017	Germany	Jüterbog	AVID - MARK IV	Malfunction of the pyrotechnic system of the cruise rescue parachute, loss of control, collision with the ground.
07/12/2017	New Caledonia	Near AD Île des Pins	TECNAM	Aircraft turn back during cruise in adverse weather conditions, loss of radio contact.
04/01/2018	Finland	Kittilä airport, EFKT	GULFSTREAM - GULFSTREAM 150	Fatal injuries to captain due to door opening violently.
08/01/2018	United Kingdom	Near Bredon Hill, Overbury, Worcestershire	PIPER - PA28 - 161	Aircraft struck trees in poor weather.
19/01/2018	Spain	La Pobla de Benifassà(Castellón)	ZENITH - CH601 - XL - XL	Aircraft crashed while flying low. 2 persons on board, 2 fatalities.
23/01/2018	Germany	Philippsburg	EUROCOPTER - EC135 - P2	Mid-air collision between a helicopter and small aircraft. 4 persons fatally injured.
29/01/2018	Spain	Villamartín aerodrome, Cadiz	BREEZER	Loss of control followed by crash - during training flight in approach.

Local Date	State of Occurrence	Location	Aeroplane	Headline
31/01/2018	Italy	Boscomantico (VR) - LIPN	CESSNA - F150 - L	Aircraft crashed in mountainous area during proficiency check - during circuit pattern downwind in approach.
11/02/2018	Norway	Near Svolvær airport Helle	PIPER - PA28 - 161	Crash into the sea shortly after take-off during night conditions whilst returning to departure airport for unknown reason.
12/02/2018	Belgium	9,8 NM from EBZW outside the residential area of Bolderberg Heusden Zolder	BEECH - 33 - F33A	Aircraft collided with trees before coming to rest.
24/02/2018	France	Trignac	DYN AERO - MCR01 - ULC	Asymmetrical extension of the flaps in the final, loss of control and collision with the ground.
10/03/2018	Germany	Bensheim	ZENAIR - CH601	Airplane crashed due to unknown circumstances. 2 persons on board, 2 fatalities.
31/03/2018	France	Proche AD Saint Chamond	ROBIN - DR400 - 120	Runway overrun on take-off, collision with an obstacle.
05/04/2018	Niger	AD Tapoa	OTHER	Accident for yet unknown reasons. 1 person on board, 1 fatality.
08/04/2018	France	LFQL: Lens / Bénifontaine	YAKOVLEV - YAK18 - A	Aircraft crashed after a half roll followed by a half loop-down at low height.
09/04/2018	Czech Republic	2NM SW Veselí nad Lužnicí near Kundratice	OTHER - Not mapped	Ultralight aircraft crashed and debris was scattered over large area. 2 fatalities.
15/04/2018	Germany	Schwäbisch Hall	CIRRUS - SR20 - NO SERIES EXISTS	Collision of two powered aircraft during approach. 2 fatalities.
19/04/2018	United Kingdom	Crumlin	CESSNA - 152	Aircraft crashed by unknown reasons and caught fire.
21/04/2018	Greece	13.26 km East of City of Nafaktos	PIPER - PA28 - 140	Collision with cable during emergency landing.
23/04/2018	France	Channay-sur-Lathan ULM airfield	RANS - S6 - ES	Aircraft crash after upset on rejected landing.
24/04/2018	Germany	Mittelfischach	OTHER	Aircraft stalled during initial climb. Aircraft destroyed and 1 person on board fatally injured.
29/04/2018	Austria	next to LOWI - Innsbruck	RUTAN - VARIEZE	Aircraft crash after take-off. 2 fatalities.
01/05/2018	Poland	Skorupy pow. Otwocki	OTHER	Aircraft crash with unknown cause.
04/05/2018	Ireland	near Ballina	OTHER - Not mapped	Aircraft crashed after pilot became unconscious.
08/05/2018	France	Marnaves	AQUILA - AT01	Aircraft hit treetops at the top of a ridge, collision with the ground, post-impact fire.
11/05/2018	France	AD Nancy-Essey	RUTAN - VARIEZE	Contamination of extruded polystyrene foam with fuel - wing fracture due to seepage / fuel leak followed by material separating from aircraft followed by spin, crash, and post impact fire - during initial climb.
16/05/2018	Spain	LESU: La Seu d'Urgell Airport	PIPISTREL	Aircraft crash during go around manoeuvre.

Local Date	State of Occurrence	Location	Aeroplane	Headline
22/05/2018	Netherlands	Low flying area Gouda, near Stolwijk	CESSNA - F172 - N	Collision with trees followed by crash.
26/05/2018	Spain	Vicinity of Loja Aerodrome	AVID - AVID FLYER	Aircraft crash due to a loss of control during the initial climb.
27/05/2018	Germany	Nürtingen	AEROSPOOL - WT9 - NO SERIES EXISTS	Aircraft crashed into a forested mountain. 1 fatality.
31/05/2018	Hungary	Pécs-Pogány Airport, SW 1.8 km	OTHER - Generic	Aircraft crashed after take-off and caught fire after the impact.
01/06/2018	Germany	Bad Neuenahr/Ahrweiler	MURPHY - RENEGADE	The pilot lost control after a turn and the aircraft got into a spin. Microlight caught fire after impact on ground.
01/06/2018	Sweden	Opand airport	RIHN - DR107 - NO SERIES EXISTS	Aircraft crashed, possibly after aerobatic manoeuvres. 1 fatality.
02/06/2018	Italy	Malga Casarine - Trento	CESSNA - 152	After a manoeuvre to over fly over a mountain the aircraft lost altitude and crashed.
20/06/2018	Germany	Mosbach	JODEL - D9	Aircraft crashed shortly after take-off.
24/06/2018	France	Arvieu	BEST OFF - SKYRANGER	Collision with a power line followed by crash.
26/06/2018	France	AD Oloron Herrère	OTHER	Aircraft crashed for yet unknown reason.
04/07/2018	Austria	LOAV - Bad Vöslau	CESSNA - 172 - S	Aircraft stall on take-off and crash.
08/07/2018	Latvia	Parish Davini	BUCKER - BU133 - C	Aircraft terrain collision during emergency landing due to low engine oil pressure.
09/07/2018	France	Ladignac	COMCO IKARUS - IKARUS C42 - B	Loss of control, collision with the ground during approach.
10/07/2018	Portugal	Farm field to 1.2NM West of runway 03 threshold	CESSNA - 152	Aircraft crash for unknown reasons during the RH downwind to runway 21.
16/07/2018	France	after take-off from Les Mureaux	TECNAM - P2002 - JF	Loss of engine power in initial climb, collision with the ground, in instruction flight.
17/07/2018	France	Mediterranean Sea, near San Giuliano	SOCATA - TB20	Low pass over the see and crash.
23/07/2018	France	Saint-Pardoux-et-Vielvic	CESSNA - F172 - N	Trajectory deviation. Aircraft crashed.
27/07/2018	Switzerland	near Col Durand	ROBIN - DR400 - 180	Collision with elevated terrain in mountainous area.
28/07/2018	France	AD Charleville Mézières	ROBIN - DR400 - 180	Engine power loss during initial climb, aircraft turned left and stalled.
29/07/2018	Slovenia	Near Airport Bovec	ROBIN - DR400 - 180	The towing aircraft crashed after finishing towing a glider. 1 person on board 1 fatality, aircraft destroyed.
04/08/2018	Romania	Near Frătăuții Vechi airfield, LRSV	STEEN - SKYBOLT	Collision of two aircraft during training for air show.
04/08/2018	Switzerland	Rengg Pass (LU)	SOCATA - TB10	Crash during cruise phase.
06/08/2018	France	Mazoires	CESSNA - 172 - S	Loss of radio and radar contact, collision with the ground.
09/08/2018	Germany	Münster	BEECH - 58	Crash in training flight - during approach.

Local Date	State of Occurrence	Location	Aeroplane	Headline
11/08/2018	Germany	EDXG: Melle-Gronegau	DYN AERO - MCR01	Aircraft crashed due to unknown reasons, fire and 2 fatalities.
15/08/2018	Italy	Cimadolmo	PIPER - PA18 - 150	Aircraft crashed after a power line collision.
16/08/2018	Germany	Nannhausen	OTHER	Aircraft crashed in the vicinity of the airfield. Unknown reason.
16/08/2018	Poland	Smerek	TECNAM - P2002	Low flying. Wheel hit a man.
21/08/2018	France	Rue	OTHER	Crash during training flight followed by post-impact fire.
21/08/2018	France	LFJD: Corlier	ROBIN - DR400 - 180	Aircraft landing before the runway threshold, then tilting on the back.
24/08/2018	Bulgaria	LBWB	CIRRUS - SR22	Bounced landing with increased angle of attack and bank angle to the left.
29/08/2018	France	Bourg-Saint-Maurice	VANS - RV7	Aircraft crash into mountain in unfavourable weather conditions.
08/09/2018	Czech Republic	LKTEPL	OTHER	Loss of control during approach.
11/09/2018	Italy	Calatabiano (CT)	TECNAM - P92 - E	Total loss of power after take-off. Impact with terrain.
16/09/2018	France	Saint-Secondin	ROBIN - DR400 - 120	Loss of radar contact and collision with the ground.
25/09/2018	France	Aillant-sur-Tholon	OTHER	Collision with the ground after take-off.
26/09/2018	Germany	Alkersleben	TECNAM - P92 - E	Aircraft crash after engine problems.
13/10/2018	Netherlands	near EHST - Stadskanaal	PIPISTREL	Aircraft loss of control, crash and fire.
14/10/2018	Germany	EDER - Wasserkuppe	CESSNA - F172 - N	Runway overrun - aircraft collided with bystanders.
16/10/2018	Germany	near EDKB - Bonn / Hangelar	TECNAM - P2008 - JC	Engine failure - airplane crash.
23/10/2018	France	Océan Atlantique 60NM ouest pointe du Raz	FLIGHT DESIGN - CTLS	Aircraft crashed
25/10/2018	New Caledonia	NWWE (ILP) : Ile Des Pins Moue	ZENAIR - CH601	Engine problem, stall, collision with the ground while test flight.
26/10/2018	France	Beaucaire	OTHER	Collision with the ground - post impact fire.
03/11/2018	Italy	Airfield "Caorle"	SIAI MARCHETTI - SF260 - D	Aircraft crashed after a VFR approach.
07/11/2018	Norway	Near Meraaker Airfield	VANS - RV6	Aircraft crashed due to unknown reasons.
13/11/2018	Spain	coordinates below	CESSNA - 150 - F	Lost control in flight. Aircraft destroyed.
17/11/2018	Germany	over Erkelenz / Kückhoven airfield	REMOS - G3	UL aircraft mid-air collision. 1 fatality and 1 seriously injured.
17/11/2018	France	Pleslin-Trigavou	SOCATA - TB20	Aircraft collided trees on final and crashed into the water (during non-precision approach without external visual reference).
30/11/2018	Hungary	Rábasömjén	SCOTTISH AVIATION - BULLDOG	Aircraft collided with cable and crashed.
07/12/2018	Spain	Near LELL: Sabadell Airport	CESSNA - F177RG	Aircraft collided with a building and crashed during approach.
10/12/2018	France	Beaubery	CIRRUS - SR22	Communication lost while en-route, collision with elevated terrain.
15/12/2018	Netherlands	EHHV	OTHER	Shortly after lift-off (approx. 100ft) aircraft fell and rolled; aircraft impacted with inverted attitude and was fully destroyed.

Local Date	State of Occurrence	Location	Aeroplane	Headline
30/12/2018	Thailand	approach to VTBT : Chon Buri / Bang Phra	FLIGHT DESIGN - CTLS - ELA	Aircraft crash on final approach. Suspected collision with powerlines.
09/01/2019	Spain	Mount Ernio	PIPER - PA28R - 201	Aircraft crash in mountains.
12/01/2019	Germany	Prädikow	PARTENAVIA - P68 - B	Crash into terrain due to unknown reasons.
16/01/2019	Greece	Approx. 1.650 m along from Kavourotrypes Kryoneri beach of Mesolongi sea area	MONNETT - SONERAI - 2	Aircraft uncontrollable ditched and sank on the beach.
16/01/2019	Greece	Sea area at Patraikos Bay - Greece, 1650m from Kryoneri Beach	MONNETT - SONERAI - 2	Utralight airplane crased at sea near Kryoneri at Patraikos Bay.
25/01/2019	Italy	Rutor Glacier	AEROSPATIALE - AS350 - B3	Mid-air collision and crash between a helicopter and a Jodel. 6 fatalities.
06/02/2019	Spain	1 NM south-east of Quijorna (Madrid)	TECNAM - P2002 - JF	Mid-air collision - 2 fatal injuries.
21/02/2019	France	Port le Grand	OTHER - Not mapped	Ultralight collided with trees in unfavorable weather conditions.
21/02/2019	Romania	after take-off from LRTZ : Tuzla	DIAMOND - DA42	Loss of control during take-off followed by crash.
24/02/2019	Spain	LEIR : Aerodromo Air Marugan	EVEKTOR AEROTECHNIK - EV97	Loss of control during initial climb and crash.
16/03/2019	Portugal	LPBG (BGC) : Bragança	CZECH SPORT - SPORTCRUISER	RH wing failure/separation in flight - Aircraft crash.
30/03/2019	Italy	Aviosuperficie Alfina (Castel Viscardo – Terni)	ZLIN - Z50 - LA	Aircraft collided with the ground while performing aerobatics manoeuvres.
31/03/2019	Italy	Chantornè (Torgnon – Aosta)	ZLIN	Loss of control inflight (microlight).
20/04/2019	Bulgaria	Orizari	ZENAIR - CH601	LH wing separaion in flight - Aircraft crashed.
07/05/2019	France	Saint-Antonin-sur-Bayon	BEST OFF - SKYRANGER	Collision with a mountain due to flight control problems.
14/05/2019	Switzerland	near LSZF : Birrfeld	HB AIRCRAFT	Aircraft crash and fire shortly after take-off.
15/05/2019	Romania	Nehoiasu, Buzau county	TECNAM - P2008 - JC	Aircraft crashed under unknown circumstances.
19/05/2019	Germany	Wilhelmshaven, near	CIRRUS - SR20	Aircraft is missing, last seen over the North-Sea on radar.
25/05/2019	Germany	Elz	AEROPRO - EUROFOX	Microlight crashed in a forest due to unknown reasons. 1 fatality.
26/05/2019	Bulgaria	take-off from LBHT : Ihtiman	PIPISTREL	Aircraft entered spin after take-off.
30/05/2019	Switzerland	near LSGP : La Côte	JODEL - D140 - R	Aircraft crash shortly after take-off during a turn.
09/06/2019	Portugal	next to LPJF : Leiria	BRM AERO - BRISTELL NG5	Aircraft crash followed by post-impact fire after a low pass..
10/06/2019	Germany	EDBW : Werneuchen	OTHER - Not mapped	Microlight crash and fire shortly after take-off.
13/06/2019	Ireland	Belan, near Moone, Co. Kildare	BRM AERO - BRISTELL NG5	Loss of control causing vertical impact with terrain. 2 fatalities.

Local Date	State of Occurrence	Location	Aeroplane	Headline
13/06/2019	France	Saillagouse (66)	CESSNA - 172RG	Loss of turn control during initial climb followed by collision with ground and post-impact fire.
21/06/2019	Netherlands	Oudemolen	PIPER - PA18 - 125	Midair collision whilst a formation flight.
22/06/2019	North Sea	11NM S of Mandal	PIPER - PA28 - 161	Engine suffered temporary failure - crashed into the ocean..
22/06/2019	Belgium	near EBBZ : Pont-À-Celles / Buzet	ZENAIR - CH601	Aircraft crash on approach. Parachute deployed.
27/06/2019	Switzerland	near of Col de Sonlomont	REMOS - GX	Plane crashed into a forested, steep hillside.
18/07/2019	Austria	Wetterstein, 2.5 NM N of 6105 Leutasch	CIRRUS - SR22	Aircraft crashed into a mountain due to unknown reasons. 3 fatalities.
20/07/2019	Germany	Bruchsal	JODEL - DR1050	During approach phase, the A/C turned to the left and has a collision with a building.
23/07/2019	France	Proche P-F ULM Calviac	OTHER	Aircraft collided with the ground due to unknown reasons..
24/07/2019	France	Larche	EVEKTOR AEROTECHNIK - EV97 - TEAMEUROSTAR UK	Navigation error in the mountains followed by loss of control during a U-turn.
31/07/2019	Finland	EFTP (TMP) : Tampere-Pirkkala	EVEKTOR AEROTECHNIK - EV97	The aircraft made a steep left turn during an initial climb and probably entered into a spin - A/C crashed.
01/08/2019	Germany	Jeswang	EVEKTOR AEROTECHNIK - EV97	Crash into field under unknown circumstances. 1 POB, 1 fatality, aircraft destroyed.
06/08/2019	Italy	Monte Carmo (Savona)	DIAMOND - DA20 - A1	Collision with high terrain. 2 POB, 2 fatalities, aircraft destroyed.
15/08/2019	France	after take-off from LFDJ : Pamiers Les Pujols	OTHER	Loss of control after take-off. 1 POB, 1 fatality.
22/08/2019	Germany	Steinfeld	CESSNA - 150 - L	Crash into field due to unknown reasons.
22/08/2019	Germany	Schneizelreuth	CESSNA - FR172 - H	Collision with mountain due to unknown reasons.
25/08/2019	Switzerland	Simplon Pass, 6600 ft	PIPER - PA28RT - 201	Aircraft crashed at the Simplon pass east of the hospice. Aircraft destroyed by post impact fire.
25/08/2019	France	platform ULM La selle en Hermoy	OTHER	Loss of control in the final approach followed by crash.
31/08/2019	Germany	Tiefenbach/Hofen	COMCO IKARUS - IKARUS C42 - B	During a scenic flight, the ultralight had contact with trees and crashed to the ground. 2 POB. 1 fatality 1 serious injury.
15/09/2019	Spain	Pedreguer	CIRRUS - SR22	Airplane collision with mountain in IMC.
21/09/2019	Italy	near LIME (BGY) : Bergamo / Orio Al Serio	MOONEY - M20K	Undefined problems - Aircraft return; Loss of control after aborted landing/go-around and crash.
21/09/2019	France	Putanges-le-lac	OTHER - Not mapped	Seaplane collision with a power line and crash.
26/09/2019	Czech Republic	near Petrovice	PIPER - PA22	Airplane lost control and crashed in a forest. 2 POB, 2 fatalities, aircraft destroyed.
28/09/2019	France	Longuesse	DYN AERO - MCR04S	Crash for unknown reason, possible engine failure.

Local Date	State of Occurrence	Location	Aeroplane	Headline
06/10/2019	Ireland	Duncormick, Co. Wexford	ROLLASON - D62 - B	Possible inflight breakup. 2 fatalities.
07/10/2019	France	Jumeauville	OTHER - Not mapped	Ultralight crashed due to unknown reasons.
10/10/2019	Spain	Bonastre	DIAMOND - DA40	Crash for yet unknown reason - during enroute in night dual instruction flight.
16/10/2019	Réunion	Plaine des Sables	CESSNA - 172 - S	Aircraft crashed after a technical malfunction.
22/10/2019	France	approach to LFPX : Chavenay Villepreux	OTHER	Loss of control on final, collision with ground.
30/10/2019	France	LFBJ : Saint-Junien	ALPI AVIATION - PIONEER200	Loss of control on approach, collision with the ground.
01/11/2019	Italy	near Monti della Tolfa airfield	CESSNA - FA150 - L	Airplane collision with powerline on final approach - crash and fire.
16/11/2019	Czech Republic	River Labe between village Nucice and Nucnický	OTHER	Collision with Power Lines .
08/12/2019	Lithuania	Noreikiškes	PIPER - PA30	Airplane crash after touch-and-go.
21/12/2019	Austria	near LOWZ : Zell am See	CIRRUS - SR22 - T	Aircraft crashed during missed approach in IFR.
28/12/2019	France	LFAV : Valenciennes / Denain	OTHER - Generic	Loss of control after take-off and crash.
29/12/2019	Switzerland	Arosa/GR	ZLIN	Aircraft crashed in mountainous terrain.
04/01/2020	New Caledonia	near NWWL (LIF) : Lifou Ouanaham / Iles Loyaute	MOONEY - M20J	Airplane crash after take-off.
07/01/2020	Switzerland	1.2 SW of Buttwil LSZU	CESSNA - F152	Aircraft crashed shortly after take-off.
16/01/2020	Germany	Strausberg	DALLACH - D4	The microlight crashed shortly after takeoff.
21/01/2020	Norway	Gjølstad	DYN AERO - MCR01 - ULC	Deep landing combined with Poor braking action on iced grass runway resulted in loss of control.
22/01/2020	Switzerland	Near Châtel-St-Denis	PIPER - PA28 - 181	Aircraft crashed into a forest.
11/02/2020	Italy	Airfield "Reno Air Club" (Bologna)	TECNAM - P2002 - JF	Aircraft crashed on the ground after take off.
12/02/2020	Italy	Carlentini (Siracusa)	TECNAM - P2002 - JF	Loss of Control Inflight and Crashed.
16/02/2020	Dominica	Au large de la Dominique	PIPER - PA28 - 161	Missed aircraft over the ocean.
16/02/2020	France	Creissels	PIPER - PA28 - 161	Aircraft crashed and caught fire.
18/02/2020	France	Au large de Fécamp	ROBIN - DR400	Aircraft crashed into the sea due to unknown reasons.
20/02/2020	Spain	Pamplona airport LEPP (PNA)	PIPER - PA60 - 602P	Engine failure - Stall on approach - Wire Strike - Crash and Post impact Fire.
26/02/2020	France	Elne	PIPER - PA44 - 180	Aircraft crashed due to unknown circumstances.
17/03/2020	France	AD Vannes	OTHER	Engine shutdown in flight, loss of control, collision with the ground.
19/03/2020	Romania	near Siria Airfield, Arad county	OTHER - Not mapped	Crashed of ultralight aircraft under unknown circumstances.
24/04/2020	Czech Republic	Svatoborice (Hodonín)	BRM AERO - BRISTELL NG5 - NO SERIES EXISTS	Ultralight aircraft crashed shortly after take-off due to loss of control.

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25/04/2020	Slovenia	Ajdovscina Aerodrome	OTHER - Not mapped	Mid-air collision of an Aeroplane and a Paraglider and Crash of both.
09/05/2020	Lithuania	on approach EYVK : Kyviskes mil	PIPER - PA38 - 112	Loss of control and crash in a field.
11/05/2020	Lithuania	EYVK	PIPER - PA38 - 112	Aircraft crashed close to the aerodrome. Loss of control suspected.
12/05/2020	Sweden	Sjön Öjjen: 62°13,336'N 017°18,825'E	OTHER	Accident - Small aeroplane - pilot injured and passenger found dead in water.
22/05/2020	France	La Ferté-Bernard	OTHER - Not mapped	Crash of aircraft under unknown circumstances.
25/05/2020	Italy	proximity of airport Roma Urbe (LIRU)	DIAMOND - DA20 - C1	Aircraft crashed after take off and sunk into river.
27/05/2020	Germany	Blomberg	CESSNA - F150 - L	Airplane crash into forest due to unknown reasons.
30/05/2020	France	Carcassonne Salvaza Aerodrome LFMK (CCF)	PITTS - S2 - A	Crash of airplane shortly after take-off and fire post-impact.
31/05/2020	Italy	Aviosuperficie Arma di Nettuno (RM)	TECNAM - P92 - E	Crash of aircraft after take off.
02/06/2020	Sweden	Ekås	AAI	Accident - Small aeroplane - fatal injuries.
06/06/2020	Germany	Gießen	TL ULTRALIGHT	Loss of control after take-off - Aircraft crashed.
17/06/2020	Germany	Reinsfeld	PIPER - PA34 - 220T	Broke up in parts of aircraft en route and crashed.
19/06/2020	France	Mortemer	OTHER - Not mapped	Loss of control while cruising. Collision with the ground..
25/06/2020	Czech Republic	LKBE	GROB - G115 - UNDESIGNATED SERIES	Runway Excursion during TGL - Collision with obstacle on runway strip - Damage to aircraft.
04/07/2020	France	Marcé	STAMPE - SV4	Loss of control inflight and crash..
12/07/2020	Germany	Rheinstetten	OTHER - Not mapped	Loss of control inflight due to unknown reasons..
14/07/2020	Poland	EPBY (BZG) : Bydgoszcz/Szwederowo	TECNAM - P2006T	Loss of control during a low pass over rwy - Crash.
23/07/2020	France	AD Basle-Mulhouse	PIPER - PA28RT - 201T	Electric problem during maintenance check flight - Fire - Forced landing.
25/07/2020	Germany	Wesel-Lackhausen	OTHER - Not mapped	Crash of aircraft into a house and fire post-impact.
02/08/2020	Germany	Heringsdorf	PILATUS - P2	Aircraft stalled during initial climb and crashed.
02/08/2020	France	AD Arras Roclincourt	ISSOIRE - APM30	Loss of control in flight during the last turn, collision with the ground.
04/08/2020	United Kingdom	near Bradley's Lawn airfield	RANS - S6 - 116	Aircraft crashed and fire.
05/08/2020	Germany	Iserlohn / Rheinermark airfield	ZLIN	Aircraft crashed after take-off.
06/08/2020	France	P-F ULM Cruis Mas Des Grailles	FLIGHT DESIGN - CTSW	Bounced landing - Attempted go-around - Loss of control - Aircraft crashed and caught fire.
15/08/2020	Poland	near EPKI : KIKITY	BRM AERO - BRISTELL NG5	Aircraft crashed under yet unknown circumstances.
15/08/2020	France	AD Saint-Martin de Londres	OTHER	Aircraft struck tree tops - Loss of control - Aircraft crash and caught fire.

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16/08/2020	Germany	Porta Westfalica	OTHER	Crashed shortly after take-off and caught fire.
26/08/2020	Italy	nearby airfield "Sibari" (CS)	AVIAMILANO	Aircrft crashed shortly after take off.
29/08/2020	Sweden	59°36,086'N 012°54,225'E	OTHER	ALRS - Accident - Small aeroplane.
29/08/2020	Belgium	next to EBZH : Hasselt/Kiewit	AVIONS FAIREY - TIPSY NIPPER T66 - 2	Crash immediately after take off.
30/08/2020	Denmark	EKFU : FUR	COMMANDER - 114 - B	Aircraft Collided with trees during take-off.
04/09/2020	Czech Republic	Bukovno c.p.150, cca 6km NW Mladá Boleslav	ZLIN - Z526 - AFS	Aircraft crashed, due to unknown reasons, into a garden and was destroyed.
12/09/2020	France	LFCH : Arcachon La Teste De Buch	ROBIN - DR400 - 120	Crash shortly after take-off and caught fire.
12/09/2020	France	Pas de la Coche	ROBIN - DR400 - 140B	Aircraft collided with elevated terrain and caught fire.
13/09/2020	Belgium	Chemin de Camusselle	RANS - S6 - ES	Loss of control inflight - aircraft crashed and caught fire.
16/09/2020	France	Arbent	OTHER	Collision with the ground on initial ascent, fire post-impact.
17/09/2020	Germany	Bienenfarm	DE HAVILLAND - DHC1 - 22	Aircraft lost control and crashed into a field.
10/10/2020	France	Loches	ROBIN - DR400 - 140	Mid-air collision, loss of control, collision with the ground, ULM fire.
29/10/2020	Czech Republic	Olšany u Prostejova	OTHER - Not mapped	Aircraft crasched due to unknown reasons.
02/11/2020	France	AD Cannes	SOCATA - TB10	Aircraft crashed into the sea during a night flight.
21/11/2020	Germany	Gera	OTHER - Not mapped	Loss of control in flight during enroute.
08/12/2020	Germany	Flammersfeld	CESSNA - T41	Desended and then crash landed in a field. Aircraft overturned.
23/12/2020	Germany	Büchenbach / Pegnitz	CESSNA - 172	Aircraft hit trees and crashed on a field.
31/01/2021	Greece	Mitsikeli Mountain, approx. 3,6 nm NE from Ioannina Airport (LGIO)	DIAMOND - DV20	Diamond DV20 airplane in solo training flight crashed on mountain while in poor visibility conditions
05/02/2021	Germany	Sefferweich	OTHER	Loss of Control during VFR-Flight in IMC
13/02/2021	Netherlands	Nearby the town of Kornhorn	AEROSPOOL - WT9	During manoeuvring at altitude of 500 AGL, the aircraft came into a steep dive from which it did not recover
21/02/2021	France	Saint Florentin, Chaîne, France	OTHER	Engine failure during initial climb, low runway circuit, steep turn and collision with ground during landing
28/03/2021	France	AD Villeneuve-sur-lot	MUDRY - CAP10	Loss of control during an aerobatic maneuver, collision with the ground
30/03/2021	Germany	Jandelsbrunn	EVEKTOR AEROTECHNIK - EV97	Crash into Ground LOC-I: Loss of control - inflight
18/04/2021	Germany	Schepsdorf	OTHER	Loss of control occurred while cruising. The aircraft crashed into a wooded area with a large descent angle and high energy.

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18/04/2021	France	Saint-Pathus	ROBIN - DR400	Collision with a bird, loss of control and collision with the ground, under investigation
22/04/2021	Germany	EDQK	OTHER	During the initial climb, the ultralight aircraft got into an uncontrolled attitude and crashed into the ground.
23/04/2021	France	Grayan-et-l'Hôpital	AAI	Loss of control, smoke in cabin, possibly from Lithium battery
08/05/2021	Switzerland	Oberramsern/SO	LANCAIR - LEGACY 2000	Aircraft crashed from low altitude
09/05/2021	Poland	EPZP	TECNAM	Aircraft crash during take-off.
14/05/2021	Italy	Ravenna Airport (LIDR)	PILATUS - PC6	Loss of control in flight. The aircraft crashed to the ground near the Ravenna airport. The aircraft caught fire on impact.
23/05/2021	Germany	Straßenreuth, nahe	DIAMOND - DA20	The airplane was in cruise flight, slightly above FL100. The pilot initiated a right turn and descended. Shortly after, the plane crashed on a field.
26/05/2021	Germany	Grefrath	DIAMOND - DA20	During the final approach there was a change of direction in the flight path and contact with a tree. The left wing was severed and the aircraft crashed into a meadow.
12/06/2021	Switzerland	West of Piz Nair/GR	ROBIN - DR400	Collision between a glider and a single engine aircraft
18/06/2021	France	Mountain site Causse	FLIGHT DESIGN - CTLS	The aircraft collided with mountain Causse and was consumed by a post-crash fire. Pilot and passenger died.
20/06/2021	Czech Republic	Jickovice, Paseky district	NORTH AMERICAN - T28	During a formation flight one of the aircraft diverted and crashed.
21/06/2021	Greece	Village of Charia approx. 14 Km NE of the city of Pyrgos	OTHER - Not mapped	Ultralight airplane with 2 persons on board crashed and destroyed by fire resulting in fatal injury of both occupants
23/06/2021	Germany	Gefell, Thüringen	DIAMOND - DV20	Aircraft crashed - no information available of the causes
08/07/2021	Germany	EDXN Nordholz/Spieka	AQUILA - AT01	Light Type Aircraft Aquila A-210 crashed shortly after TakeOff and was consumed by post impacted fire with 2 Persons on board
08/07/2021	Sweden	ESOE - On the airport area	DE HAVILLAND - DHC2	Shortly after take-off the aircraft suddenly descended and crashed into ground. Fatal injuries with the persons onboard and the aircraft was destroyed
17/07/2021	Germany	Steinenbronn	PIPER - PA28RT	During climbout after takeoff in instrument flight conditions the control of the aircraft was lost. The aircraft impacted in a steep angle at high speed in a wooded area
18/07/2021	Germany	Renneritz	PZL OKECIE - PZL104	Aircraft loss of control after steep turn. Then a crash occurred
18/07/2021	Switzerland	Gotthard region/UR	MOONEY - M20J	The aircraft collides with high terrain and is destroyed
20/07/2021	Switzerland	Subingen/SO	BUCKER - BU131	The aircraft entered a spiral trajectory, descending sharply, and hits grassland
20/07/2021	Italy	Contrada Coccaro, Fasano (BR)	PIPER - PA28	Aircraft at low altitude, hit a power line and crashed to the ground
29/07/2021	Czech Republic	Jablonná	OTHER - Not mapped	Aircraft entered into a spin after takeoff

Local Date	State of Occurrence	Location	Aeroplane	Headline
30/07/2021	France	AD Vesoul - Frotey	OTHER	Difficulties experienced during initial climb, U-turn, Loss of control, Collision with ground, instructional flight
05/08/2021	France	Col du Glandon	ROBIN - DR400	Collision with trees then the ground, fire, during a flight in a valley
06/08/2021	France	AD Courchevel	PIPER - PA46	Collision with the ground before the runway threshold, fire
08/08/2021	Latvia	EVCA	OTHER	After take-off the aircraft lost engine power and collided with the terrain
11/08/2021	Germany	Hang am Kuchelberg im Ettaler Forst, Bayern	GLASER DIRKS - DG808	Terrain collision during cross country flight in a engine powered glider
21/08/2021	France	Courcelles	OTHER	Collision with a power line and then the ground during low flight
23/08/2021	France	AD Lille Marcq-en-Baroeul	PIPER - L18	Smoke on board after touchdown, short circuit, loss of control, collision with the ground, fire
24/08/2021	France	Biscarosse - Plage	PIPER - J3C	Aircraft suffered oil leak, student pilot ditched into the sea, landing on a beach, instructional flight
27/08/2021	Slovakia	Mokrý Háj next to golf course cca 3km SE Skalica	EVEKTOR AEROTECHNIK	The plane in an ascending left turn at an altitude of 2500 ft entered left spin, and after hitting the ground, the crew died
27/08/2021	Czech Republic	LKMO	ZLIN - Z526	Aircraft crashed for yet unknown reason
30/08/2021	Spain	Niebla	RANS - S12	Aircraft crashed for yet unknown reason
04/09/2021	France	Woignarue	OTHER	Wreckage of the aircraft found in a field 7.5 km from the airport, causes not known.
06/09/2021	Germany	Wilnsdorf-Niederdielfen	OTHER	Crash into forrest ca 10 minutes after take-off
10/09/2021	France	AD Dijon Darois	ROBIN - DR400	The pilot announced a diversion to Dijon - Darois. The aircraft collided with the ground in a field near runway 02.
12/09/2021	France	Autouillet (78)	OTHER	Loss of control, collision with the ground, fire
22/09/2021	Belgium	East EBZH 33M after treshhold 27	BRUGGER - MB2	The aircraft made a sharp descending turn to the left. The aircraft descended rapidly and steep, and impacted the ground
27/09/2021	Finland	EFHV	VANS	Aircraft crashed due to unknown reasons
29/09/2021	Sweden	Ekfännsberget between Dala-Järna and Leksand	CESSNA - F172	The aircraft collided with tree tops and crashed. Wings broke off and fire started. Pilot died
30/09/2021	France	AD Saint Rambert d'Albon	TECNAM - P92	Decrease in engine power during initial climb, right turn and stall
03/10/2021	Italy	Milano	PILATUS - PC12	Aircraft crashed during initial climb
13/10/2021	France	Bordes	GLASER DIRKS - DG600M	Steep climb of the glider during towing, release then collision of the glider with the ground
16/10/2021	France	LFGF Challanges Airport, Beaune	OTHER - Not mapped	During the initial climb, the pilot lost control of his aircraft which collided with the ground. There was a post impact fire
05/11/2021	Spain	LEAX Airport Axarquia	OTHER - Not mapped	Loss of power in the engine, causing the aircraft to crash into a farm located to the west of the aerodrome.

Local Date	State of Occurrence	Location	Aeroplane	Headline
11/11/2021	Austria	6845 Hohenems	CESSNA - P210	Collision with high terrain. Wrong turn made ending with a collision with a mountain.
15/11/2021	Greece	Mountainous area "Profitis Ilias" approx. 40 Km east of Larissa city	OTHER	Ultralight experimental airplane crashed on mountainous terrain - Fatal Injury
18/11/2021	France	Proche AD Meaux	OTHER	Collision with a pylon shortly after takeoff and collision with the ground
23/11/2021	Norway	Tvedalen	DIAMOND - DA42	Aircraft crashed into terrain. All three on board received fatal injuries.
28/01/2022	Germany	EDQC : Coburg/Brandensteinebene	CESSNA - 172	Aircraft lost control and crashed during landing, one fatality, one seriously injured
16/02/2022	Spain	Municipality of Las Cabezas de San Juan	CESSNA - FA150	Aircraft crashed due to unknown circumstances, one fatality
26/03/2022	Romania	LRPW : Gheorghe Valentin Bibescu. Airport	SUKHOI - SU31	Aircraft crashed while manoeuvring, one fatal injury
30/03/2022	Switzerland	Grüehorn in the Säntis mountain range	CESSNA - 208	The aircraft collided with mountain range.
08/04/2022	Spain	Mosqueruela	TECNAM	Aircraft impacted the ground in a mountainous region.
09/04/2022	France	Plouhinec	OTHER	Total incapacity of the pilot.
10/04/2022	France	LFRT (SBK) : Saint-Brieuc Armor	ROBIN - DR400	The aeroplane collided with the ground shortly after the end of the runway.
12/04/2022	France	Prat-Bonrepaux	OTHER	Collision with the ground during a test flight.
28/04/2022	Switzerland	Lake Constance	BEECH - 36	Engine problem - crash into lake.
02/05/2022	France	LFOQ : Blois Le Breuil	NICCOLLIER - HN700	The aeroplane collided with the ground during take-off.
21/05/2022	France	Les Adrets	JODEL - D140	The aeroplane collided with a row of trees in a mountainous area then collided with the ground and caught fire.
29/05/2022	Croatia	Slunj	CESSNA - FR182	Aircraft crashed in Croatia, 4 fatalities, aircraft destroyed
02/06/2022	Poland	Rebielice Krolewskie	CESSNA - 152	Aircraft crashed resulting in 2 fatalities
11/06/2022	Czech Republic	0,5 NM NW from Letiště Bořitov	ORLICAN - L60	Fall of ACFT during Paradróp
17/06/2022	France	Martillac	ROBIN	Loss of control after take-off, collision with trees, fire
19/06/2022	Germany	EDPH : SCHWABACH-HEIDENBERG	AEROSPOOL - WT9	Loss of control, 2 POB. 2 fatalities
23/06/2022	France	Argentiere Glacier	JODEL - 119	Collision with the terrain, in the mountains, fire
28/06/2022	Netherlands	Zwarte meer	OTHER	Aircraft crashed in the lake Zwarte Meer during instruction flight
16/07/2022	Germany	EDKA : Aachen-Merzbruck approach to	CESSNA - 172	Near collision - ACFT lost of control.
26/07/2022	Germany	Altreichenau	COMCO IKARUS - IKARUS C42	Loss of control, 2 POB, 2 fatalities

Local Date	State of Occurrence	Location	Aeroplane	Headline
28/07/2022	France	ALS Val Thorens	TECNAM - P92 - E	ACFT crashed.
03/08/2022	Poland	Glinna, near EPPT	SHORT - SC7	ACFT crashed.
04/09/2022	Germany	Duisburg	FLIGHT DESIGN - CTSW	Microlight crashed and burned.
10/09/2022	Germany	Reichersdorf	TECNAM - P92	ACFT crashed.
11/09/2022	Romania	Sat Hurjuieni	AEROSPOOL - WT9	The aircraft crashed due to unknown reasons.
22/09/2022	France	LFQZ : Dieuze-Guéblange	COMCO IKARUS - C42	Collision with ground.
24/09/2022	Germany	EDAJ : Gera-Leumnitz	ZLIN - Z526 - AFS	Midair collision.
27/09/2022	Spain	Castell ³ dâ€™Empuries	TECNAM - P92	Aircraft fell down, impacting against the ground.
03/10/2022	Germany	Vielbrunn	CESSNA - 206	Collision with terrain.
19/10/2022	Spain	Sierra Segundera	THRUSH - S2R	ACFT crashed in bad weather.
21/10/2022	Costa Rica	MRLM (LIO) : Limon International Airport	PIAGGIO - P180	Aircraft crashed into the sea
18/11/2022	France	LFDV : Couhé Vêrac Airport	ROBIN - DR400	Collision with trees during approach.
17/12/2022	Spain	Villamarciel	TECNAM - P92	The aircraft collided with a cable and fell into the Duero river
28/12/2022	France	LFMR (BAE) : Barcelonnette Saint-Pons	SOCATA - TB20	In landing phase, the aeroplane collided with trees and caught fire.

Microlights

Local Date	State of Occurrence	Location	Aeroplane	Headline
14/01/2012	Netherlands	Mussel (Groningen)	COMCO IKARUS - IKARUS C42	Loss of control after engine failure.
05/02/2012	Italy	San Donà di Piave - Venezia	OTHER	Aircraft lost wing while manoeuvring.
15/03/2012	Germany	Rockenhausen	OTHER	Loss of control during turning the aircraft.
23/03/2012	Austria	Bodensee	TECNAM - P92 - EA	Aircraft crashed into the Bodensee. 2 persons on board, 2 fatalities.
03/04/2012	Portugal	Benavente, Portugal	TL ULTRALIGHT - TL2000 STING	Ultralight stalled and crashed shortly after take-off while performing airfield circuit.
11/04/2012	Finland	Rääkkylä lake Pyhäselkä	COMCO IKARUS - IKARUS C42	Aircraft crashed onto frozen lake after losing control. 2 persons on board, 2 fatalities.
28/04/2012	Czech Republic	6km SSE LKTO	OTHER	Ultralight crashed after flying low and slow. 2 persons on board, 2 fatalities.
29/04/2012	Poland	Orla Gora	AVIASUD - MISTRAL	Airplane stalled and entered a spin until it crashed. 2 persons on board, 2 fatalities.
03/05/2012	Poland	Pila	ZENAIR - CH601	Aircraft suffered engine failure then stalled and crashed. 2 persons on board, 2 fatalities.
06/05/2012	Slovakia	Liskova	OTHER	Aircraft crash due to reasons unknown.

Local Date	State of Occurrence	Location	Aeroplane	Headline
22/05/2012	Sweden	ESKM	ZENAIR - CH601 - HD - HDS	Microlight suffered an engine failure and crashed into garden - Fatal.
24/05/2012	France	Digny (28)	OTHER	Collision with the ground in degraded weather conditions.
02/06/2012	Portugal	Azóia, Colares, Sintra	OTHER	Loss of control inflight and bad weather conditions.
05/06/2012	Sweden	Frölunda airstrip	Eurocub	Microlight suffered an engine failure and crashed into a forest and caught fire.
14/06/2012	France	Curienne (73)	OTHER	In-flight collision between a sailplane and an ultralight aircraft. 1 person on each aircraft. 1 fatality.
15/06/2012	France	P-F ULM Artigat (09)	OTHER	Loss of control, stall close to the ground.
17/06/2012	France	P-F ULM Gellainville (28)	OTHER	Collision with the ground during a test flight, fire.
24/06/2012	Romania	Siria, Arad	COMCO IKARUS - IKARUS C42 - B	Aircraft crash while turning over a city.
27/06/2012	Germany	Aalen-Heidenheim / Elchingen	OTHER	Loss of control during final approach.
29/06/2012	France	Pierre-Buffière (87)	JABIRU - UL	Microlight suffered structural failure due to overload and crashed while flying in sub-optimal weather.
04/07/2012	Germany	Dingolfing	OTHER	Microlight crashed after take-off and caught fire. 1 person on board, 1 fatality.
07/07/2012	Germany	Schönberg	REMOS - GX	Aircraft crashed in a cornfield during initial climb. 1 person on board, 1 fatality.
07/07/2012	Romania	Chisineu-cris	OTHER	Motor hang glider stalled and spun to the ground. 1 person on board, 1 fatality.
03/08/2012	Germany	Idar-Oberstein	OTHER	Microlight loss of control in flight in a low altitude and steep left turn. 2 persons on board, 1 fatality, 1 serious injury.
10/08/2012	France	Frangy (74)	OTHER	Canopy retraction, loss of in-flight control, collision with the ground.
19/08/2012	France	Aspres-sur-Buëch (05)	OTHER	Exceeding the VNE, in-flight failure, collision with the ground.
19/08/2012	France	P-F ULM Sainte-Hélène (33)	AVID - AVID FLYER	Right turn and descent after a low passage over the runway, collision with the ground, fire.
31/08/2012	France	Saint-Junien (87)	FLIGHT DESIGN - CTSW	Engine misfire, loss of control, spin, collision with ground, fire on impact.
17/09/2012	Germany	Niederschöna	OTHER	Loss of control, aircraft crashed. 2 fatalities.
22/09/2012	Sweden	Lill-Blåbergsträsket	COMCO IKARUS - IKARUS C42 - B	Snow removal was not performed before take-off. Aircraft crashed after take-off.
23/09/2012	Finland	Utsjoki	OTHER	Ultralight accident due to weight exceedance.
07/10/2012	France	Ilet du Gosier (971)	ZENAIR - STOL CH701	Failure in flight, loss of control, collision with the sea surface under investigation.
20/10/2012	Iceland	Reykjanes	RANS - S6 - ES	Microlight stalled during turn and crashed.
21/10/2012	Belgium	EBBZ,640 meters north of RWY	RANS - S6	Aircraft came down in corn field.

Local Date	State of Occurrence	Location	Aeroplane	Headline
23/10/2012	France	St Sorlin-de-Vienne (38)	OTHER	Collision with a powerline during flight.
08/11/2012	France	Mardié (45)	OTHER	Wing broke during flight and crashed.
13/11/2012	Sweden	Arvika Westlanda flygplats	ZENAIR - STOL CH701	Microflight suffered structural failure and crashed.
12/12/2012	France	Sauvian (34)	OTHER	Door detached during circuit, leading to a loss of control. Aircraft hit the ground and a fire erupted. 1 person on board. Fatal.
05/01/2013	Portugal	200m North of runway 15 threshold, Lameira Farm, Alter do Chão	EVEKTOR AEROTECHNIK - EV97	During a low pass, the aircraft hit a small tree and a roof, crashed and caught fire.
05/01/2013	Portugal	Herdade Lameira, Alter do Chão	EVEKTOR AEROTECHNIK - EV97	Collision with tree during low flying.
17/02/2013	Germany	Rüdesheim-Aulhausen	COMCO IKARUS - IKARUS C42	Microflight collided with trees and caught fire.
08/03/2013	Germany	Leidringen	OTHER	After losing the cockpit canopy the gyrocopter crashed.
17/03/2013	Spain	LEMT:Casarrubios del Monte(Toledo)	OTHER	Pilot lost control of the aircraft during a steep turn and crashed. 1 person on board, 1 fatality.
27/03/2013	France	AD Pouilly-Maconge (21)	OTHER	Apollo Fox ULM - Loss of control during final approach and ground impact. 1 person on board, 1 fatality – aircraft destroyed.
08/04/2013	Germany	Neustadt-Glewe	COMCO IKARUS - IKARUS C42	Runway side excursion, aircraft collided with a hangar causing fatal injuries to the student pilot.
13/04/2013	Poland	Wola Bedkowska	OTHER	Microflight crashed due to unknown circumstances.
15/04/2013	France	Vers AD Niort (79)	OTHER	Decrease of engine power in cruise, forced landing and the ULM tilts forward. 1 person on board, 1 fatality - aircraft destroyed.
03/05/2013	Finland	Sysmä	OTHER	Ultralight crashed during flight - persons on board died.
05/05/2013	Germany	Bad Saulgau Airport	FLIGHT DESIGN - CT2K	Microflight stalled shortly after take-off.
08/05/2013	Finland	Orivesi	RANS - S6	Ultralight aircraft overturned on landing and sank - passenger died.
05/06/2013	Germany	Birtlingen	AVIASUD	Microflight suffered structural failure and crashed.
22/06/2013	France	Arbois (39)	OTHER	Ultralight accident - Ground impact. 1 person on board, 1 fatality - aircraft destroyed.
06/07/2013	France	AD Saint-Florentin (89)	OTHER	Loss of control during initial climb, collision with ground, fire.
03/08/2013	Germany	Boll	OTHER	Microflight crashed during climb.
04/08/2013	Spain	near Milagro	EVEKTOR AEROTECHNIK - EV97	Bird struck the canopy - pilot lost the controls - aircraft crashed and caught fire.
07/08/2013	France	Lessay (50)	OTHER	Collision with an obstacle during take-off.
10/08/2013	Czech Republic	Holešov	OTHER	Aircraft stalled during initial climb. Aircraft destroyed and 1 person on board fatally injured.

Local Date	State of Occurrence	Location	Aeroplane	Headline
26/08/2013	Germany	Gerbach, nahe	EVEKTOR AEROTECHNIK - EV97 - UNDESIGNATED SERIES	Microlight in-flight breakup. 2 persons on board, 2 fatalities.
30/08/2013	France	Montils (17)	OTHER	Detachment of the canopy in flight, loss of control, collision with the ground.
31/08/2013	France	Montagne-Fayel (80)	OTHER	Aircraft wreck was found in a field. Causes not known.
04/09/2013	France	La Roche Soupeze (86)	AVIASUD	Engine failed during initial climb and aircraft stalled.
05/09/2013	Spain	Marugán airfield	TECNAM - P92 - EA	Loss of control during the final approach - Aircraft crashed 132 m before the runway threshold.
07/09/2013	Belgium	Isières	OTHER	Ultralight aircraft stalled while manoeuvring.
08/09/2013	Hungary	Hajdúszoboszló	CFM - SHADOW - BD	Ultralight airplane crashed due to carbon monoxide causing incapacitation of the pilot.
08/09/2013	Finland	Haapavesi	RANS - S6	Ultralight aircraft crashed for unknown reasons, one person died.
13/09/2013	Poland	Chojna	OTHER	Microlight stalled and crashed during initial climb.
17/09/2013	France	Piton Mazerin (974)	RANS - S7	Collision with the terrain in unfavourable weather conditions.
21/09/2013	France	LFYK Marville	COLOMBAN - MC15	Overweight flight - aircraft stalled during the last turn before the landing, crashed to the ground and caught fire.
22/09/2013	Germany	Stendal	OTHER	Pilot reported control problems, aircraft collided with trees and ended on a field. 2 persons on board, 2 fatalities.
01/10/2013	France	AD Le Castellet (83)	ZENAIR	Aircraft hit a tree while turning onto final. 2 persons on board, 2 fatalities.
05/10/2013	Spain	Salobralejo(Ávila)	OTHER	Ultralight flew low and crashed. 2 persons on board, 2 fatalities.
13/10/2013	France	Les Fourgs (25)	AVIONS MIGNET - HM1000	Wreckage found in the forest, no witnesses.
17/10/2013	Germany	Koblenz-Winningen	EVEKTOR AEROTECHNIK - EV97	Microlight stalled after take-off.
30/11/2013	Germany	Beesten	EVEKTOR AEROTECHNIK - EV97	The microlight crashed on a flat field.
11/12/2013	Spain	Open water between Medas Islands and Norfeu Cape (Girona)	TECNAM - P2002	Aircraft crashed into the ocean. 1 person on board, 1 fatality.
02/02/2014	France	Kerozar	OTHER	Loss of control, collision with the ground and post-crash fire
14/02/2014	France	Cahors (46)	OTHER	Ultralight crashed due to unknown circumstances.
23/04/2014	Germany	Leutkirch-Unterzeil	OTHER	Microlight stalled during touch-and-go training.
30/04/2014	Portugal	Évora: LPEV	OTHER	Aircraft accident loss of control inflight.
02/05/2014	France	Ghisonaccia (2B)	OTHER	Ultralight crashed due to unknown circumstances.

Local Date	State of Occurrence	Location	Aeroplane	Headline
17/05/2014	France	Bailleul-Sir-Berthout (62)	RANS - S6	Rans S6 - Hit a tree and crashed on the ground, during training – 2 persons on board, 2 fatalities - aircraft destroyed.
28/05/2014	Hungary	Kisapostag	OTHER - Not mapped	Aircraft crashed in a corn field – 2 persons on board, 2 fatalities - aircraft destroyed.
28/05/2014	Hungary	near LHDV - Dunaújváros	OTHER	Aircraft entered spin and crashed due to unknown circumstances.
29/05/2014	France	Lalandelle (60)	RANS - S6	Ultralight crashed due to unknown circumstances.
05/06/2014	France	AD Albertville (73)	AVID - AVID FLYER	Engine stopped after take-off, pilot incapacitation, loss of control, collision with the ground, fire, during training.
14/06/2014	Spain	LEGY:Garray airfield(Soria)	OTHER	Aircraft stalled during steep turn right after take-off and crashed. 2 persons on board, 2 fatalities.
25/06/2014	Latvia		OTHER	Aircraft collision with terrain.
26/06/2014	Czech Republic	500m N Kondrac, 6km S Trhové Sviny	AEROSPOOL - WT9	Ultralight crashed due to unknown circumstances.
02/08/2014	Finland	Haukilahti, Espoo	OTHER - Not mapped	Engine problem during approach, aircraft probably stalled and crashed on the water - 1 person on board, 1 fatality – aircraft destroyed.
08/08/2014	Germany	Kulmbach	COMCO IKARUS - IKARUS C42	Microlight spin during go-around.
15/08/2014	Czech Republic	Near Trebovice, Ústí nad Orlicí	OTHER	Aircraft crashed into a village. 2 persons on board, 2 fatalities. Cause unknown.
23/08/2014	Czech Republic	Fryšták u Zlína	OTHER	Aircraft collided with a power line, fire and crash.
23/08/2014	Romania	Copalnic - Manastur, jud Maramures	COMCO IKARUS	Aircraft Crashed due to elevator failure.
25/08/2014	France	Saint-Paul d'Espis (82)	OTHER	Aircraft unstable after take-off then collided with the ground.
28/08/2014	France	Lapalisse (03)	EVEKTOR AEROTECHNIK	Aircraft collided with the ground after 20 minutes of flight, cause unknown.
07/09/2014	France	Fontenailles (65)	OTHER	Aircraft stalled during a steep left turn after take-off.
11/09/2014	Germany	Schweighofen	COMCO IKARUS - IKARUS C42	Comco Ikarus C42C - ultralight aircraft caught fire in flight and crashed to the ground 300 m near the runway - 2 persons on board - 2 fatalities - aircraft destroyed.
11/09/2014	Germany	Nausis	OTHER	The microlight had an inflight fracture of the right wing and crashed.
14/09/2014	Germany	Münster-Teltge	DALLACH - D4	The aircraft crashed during approach phase after collision with the rope of another aircraft.
17/09/2014	France	AD Saint-Quentin (02)	AVIASUD	Loss of control inflight and crash with the ground.
23/09/2014	United Kingdom	near St Neots, Tempsford	DENNEY - KITFOX - II	Mid-air collision. One aircraft crashed into field with the one person on board fatally injured. Other aircraft declared MAYDAY but landed on aerodrome.

Local Date	State of Occurrence	Location	Aeroplane	Headline
11/11/2014	Poland	Mysliborz	ZENAIR - CH601	Airplane stalled while performing a low pass when it crashed and caught fire.
16/11/2014	France	Ferrière-La-Grande	ZENAIR - CH601	Wing rupture in-flight while performing aerobatics, Aircraft crashed.
26/11/2014	Italy	Cirò Marina, Calabria	ICP - SAVANNAH	ICP Savannah - Aircraft lost altitude probably due to a technical malfunction and crashed into a restaurant - 2 persons on board, 1 fatality, 1 serious injury - aircraft destroyed.
03/01/2015	Portugal	Campo de Voo de Valdonas, Tomar	TECNAM - P92	Loss of control during hammerhead manoeuvre followed by crash.
06/02/2015	Portugal	Campo de Voo de Alqueidão Azambuja	OTHER	Loss of control during initial climb. Aircraft crashed and caught fire.
22/02/2015	Spain	Ventosilla	BREEZER	The aircraft encountered terrain inadvertently. Aircraft destroyed.
14/03/2015	Spain	Llucmajor	EIPPER - QUICKSILVER - GT500	Rejected landing - go around - aircraft crashed.
30/03/2015	Réunion	Tan Rouge	RANS - S6 - ES	Loss of the right-wing upper surface covering fabric - Loss of control - Aircraft crashed.
16/04/2015	France	Marguerittes	OTHER	Pilot loss control shortly after take-off and the aircraft collided with the airport perimeter fence.
30/04/2015	France	Saint-Vincent-de-Cosse	ALPI AVIATION - PIONEER200	Aircraft crashed during first flight.
22/05/2015	France	Les Hauts-de-Chée	OTHER - Not mapped	Aircraft crash after long, multisector flight.
24/05/2015	France	Ault	LEPAGE - PELICAN	Loss of visual references, deployment of emergency parachute in flight, landed on a hangar roof, slid down from the roof and caught fire.
20/06/2015	France	Petit-Palais-et-Cornemps	MICRO AVIATION	Loss of control, collision with power lines, crash and fire.
22/06/2015	France	LFFX - Tournus-Cuisery	TECNAM	Loss of control on final, collision with terrain, post-crash fire.
14/07/2015	Norway	Stafsberg	AEROSPOOL - WT9	Fatal crash of microlight aircraft northwest of Hamar aerodrome.
17/07/2015	France	Moulin Papon	AEROPRAKT - A22	Aircraft crashed into a lake.
17/07/2015	Poland	Nowogrod	OTHER	Microlight crash due to unknown reasons.
18/07/2015	France	LFHS: Bourg Ceyzériat	OTHER	Engine failure during initial climb - pilot initiated a turn back. Aircraft stalled, crashed and caught fire.
24/07/2015	France	Laneuveville-en-Saulnois	OTHER	Loss of control while performing turns on horizontal flight. Aircraft crashed.
25/07/2015	Ireland	Garranbaun, Co. Waterford	BEDE - BD5 - G	Forced landing, due engine fire and control difficulties.
26/07/2015	Portugal	Praia de Mira	AIR CREATION - ULTRAFLIGHT FUN	Engine failure at very low level.

Local Date	State of Occurrence	Location	Aeroplane	Headline
31/07/2015	France	AD Berck	EVEKTOR AEROTECHNIK - EV97 - TEAMEUROSTAR UK	Accidental opening of the canopy during the take-off - Aircraft return at low height - Loss of control - collision with terrain.
01/08/2015	Croatia	Daruvar	OTHER	Pilot of an ultralight aircraft misjudged the distance and collided with a hill.
05/08/2015	Germany	Oedheim	SCHEIBE	Loss of control inflight and crash.
21/08/2015	Czech Republic	Lipno	OTHER	Ultralight aircraft crashed during low flying.
09/09/2015	Germany	Iserlohn	COMCO IKARUS - IKARUS C42	Aircraft, during a test flight stalled and crashed into a field.
13/09/2015	Germany	Ohrsleben	OTHER	Collision with power cable.
17/09/2015	Austria	Grießenkar, Flachau	OTHER	Ultralight aircraft flew through the Austrian Alps, encountered strong winds and crashed.
20/09/2015	Portugal	Valdonas Airfield	OTHER	Loss of control due to unknown reasons resulting in a violent collision with the terrain.
24/09/2015	France	Fréjus	EVEKTOR AEROTECHNIK - EV97 - TEAMEUROSTAR UK	Canopy opened during the initial climb - pilot lost the control - aircraft crashed and caught fire.
25/09/2015	France	LFGF: Beaune Challanges	OTHER	Engine power decrease during initial climb, aircraft return, collision with the ground.
18/10/2015	Belgium	near EBAV:HANNUT/AVERNAS-LE-BAUDUIN	OTHER	Engine fire in-flight, pilot returned and tried to perform a forced landing in a field close to the airport. Aircraft crashed and the wreckage burned totally.
25/10/2015	Spain	Rwy 27 extension, Mollerussa airfield	TECNAM - P92 - E	Loss of control during take-off manoeuvre being above MTOW, aircraft crashed and caught fire.
08/11/2015	France	Ménéval	OTHER	Ultralight stalled and crashed shortly after take-off while performing airfield circuit.
14/11/2015	France	Erstein	OTHER	Aircraft stalled at low height and crashed.
24/12/2015	Germany	Wetzlar	AEROSPOOL - WT9	Microlight hit trees and crashed on a field.
25/12/2015	France	AD Sainte-Foy-la-Grande	OTHER	Loss of control during the approach. Aircraft crashed and burned.
15/01/2016	Spain	0,4 km to Trebujena airfield	RANS - S12	Engine stopped just after take-off - aircraft lost control and crashed.
13/02/2016	Germany	Hildesheim - Söhlde	OTHER	Microlight loss of control.
21/02/2016	Spain	near Mutxamel airfield	TECNAM	Aircraft collided with a powerline on approach.
08/05/2016	Germany	Teising	OTHER	Microlight crashed after loss of control.
02/07/2016	Romania	Persani, BRASOV County	TECNAM	Aircraft crashed by unknown reasons.
15/07/2016	Spain	Los Garranchos airfield	RANS - S6	Engine shut down in flight - aircraft crashed.
15/07/2016	France	nex to LFES - Guiscriff-Scaër	RANS - S6 - ES	Engine shut-down during initial climb - airplane crash while attempting return.

Local Date	State of Occurrence	Location	Aeroplane	Headline
20/07/2016	France	near Lacave airfield	NICCOLLIER - HN700	Engine failure after take-off - microlight crash.
12/08/2016	France	ALS Col de Bacchus	OTHER	Collision with the ground during take-off on a mountain airstrip.
13/08/2016	Germany	Hasselfelde	OTHER	Crash during climb.
16/08/2016	France	Guérande	OTHER	Collision with the ground.
17/08/2016	France	LFHZ: Sallanches-Mont-Blanc	OTHER	Engine shutdown during climb, pilot lost control of the aircraft.
27/08/2016	Czech Republic	Dlouhá Loucka	EVEKTOR AEROTECHNIK - EV97	Mid-air collision of two ultralight aircraft.
28/08/2016	France	Sarrouilles	OTHER	Microlight crash during night in IMC conditions.
08/09/2016	Germany	Northeim	OTHER	Crash into ground due to unknown reasons.
10/09/2016	Germany	Großrückerswalde	FLIGHT DESIGN - CT SUPRALIGHT	Two aircraft, a glider and an ultralight collided close to the threshold. Pilot of the ultralight died.
11/09/2016	France	Pont Farcy	OTHER - Not mapped	Aircraft collided with terrain during low flying.
13/09/2016	Czech Republic	Chocen	OTHER	Aircraft lost speed after take-off and crashed into a forest.
07/10/2016	France	Varennès-lès-Mâcon	ZENAIR - CH600	Loss of control during an aerodrome circuit, collision with the ground, fire.
19/01/2017	Spain	near LEAX - La Axarquia-Leoni Benabu	RANS - S6 - ES	Aircraft crashed for unknown reasons.
29/01/2017	Italy	Caschina Breda - Castelverde	OTHER	Aircraft crashed for unknown reasons.
08/02/2017	Spain	Villaverde aerodrome	TECNAM - P2002	Aircraft crash due to loss of control after stalling during the take off. Engine was not producing power during impact.
10/03/2017	France	near LFHL - Langogne / Lespéron	ALPI AVIATION - PIONEER200	Collision with the ground after take-off - Aircraft caught fire.
05/04/2017	Germany	Wedemark	OTHER - Not mapped	Aircraft collided with a power line, fire and crash.
06/04/2017	France	AD Megève	OTHER	During a go-around manoeuvre, the aircraft collided with trees, crashed and caught fire.
08/04/2017	France	during initial climb from LFQZ: Dieuze-Guéblange	OTHER	Loss of control in flight, collision with the ground - post impact fire.
08/04/2017	France	AD Briare	OTHER - Not mapped	Collision with trees and the ground during an aerodrome circuit.
15/04/2017	France	Saint Cybardeaux	OTHER - Not mapped	During take-off the aircraft struck the tops of the trees. The aircraft collided with the ground in a field and caught fire.
30/04/2017	France	Sainte-Maxime, col de Bougnon	OTHER	Microlight entered into a spin and crashed.
12/05/2017	France	AD Villefranche-de-Rouergue	OTHER	An aircraft crashed into the ground during manoeuvring in the vicinity of the airfield.
17/05/2017	France	Bettenheim	AEROSPOOL - WT9	Ultralight loss of control and crash due to opening of the canopy in flight.

Local Date	State of Occurrence	Location	Aeroplane	Headline
20/05/2017	Spain	vicinity of Flight Field ULM de Gurb	EIPPER - QUICKSILVER - GT500	Aircraft veered to the left, lost altitude, and crashed during initial climb.
03/06/2017	France	LFEZ: Nancy-Malzéville	OTHER - Not mapped	Engine lost power after take-off and the aircraft crashed to the ground.
04/06/2017	France	LFEB: Dinan Trélivan	JODEL - D9	Pilot loss control of the aircraft while performing an aerodrome circuit. The aircraft crashed to the ground.
17/06/2017	France	Parisot	OTHER - Not mapped	The microlight hit the ground with a strong nose down attitude.
21/07/2017	Germany	Nordsee	OTHER	Microlight disappeared; radar contact ended by the Baltic coast.
26/07/2017	Greece	Terpsithea airfield - LARISSA	TL ULTRALIGHT - TL2000 STING	Ultralight TL-2000 airplane Crashed close to RWY threshold resulting to fatal injury of both occupants.
07/08/2017	France	P-F ULM Saint-Estèphe	PIPISTREL	Crash during a low passage right after take-off followed by fire.
19/08/2017	Romania	Tătăruși commune, Iași county	OTHER	Engine failure shortly after take-off. Aircraft loss height and crashed.
19/08/2017	Spain	Coscojuela de Sobrarbe airfield	OTHER	Loss of control with incorrect flap configuration followed by aircraft stall and crash - during approach.
31/08/2017	Spain	Sant Pau D'Ordal	ICP - SAVANNAH	Crash in mountainous area in adverse weather conditions.
10/09/2017	France	Luray	EVEKTOR AEROTECHNIK	Ultralight airplane lost control and crashed. 1 person on board, 1 fatality.
22/09/2017	Greece	mountainous area 6,5 nm NW of Kommotini city	FLIGHT DESIGN - CT2K	Private Airplane declared missing and found disintegrated in a mountainous area. Both occupants fatally injured.
28/09/2017	France	AD Saint-Jean-d'Angély	OTHER - Not mapped	Engine failure, loss of control, collision with the ground, fire.
05/10/2017	Portugal	Marim-Quelfes	KOLB - TWINSTAR - III	Aircraft stalled shortly after take-off and crashed.
05/10/2017	France	LFCL - Toulouse Lasbordes	COLOMBAN	RWY excursion - aircraft overturned.
07/10/2017	Italy	1,5 km from Padenghe sul Garda	TECNAM - P2002	Aircraft crashed on the ground during VFR flight.
08/10/2017	Spain	Escorca, near Binissalem	OTHER	Aircraft collision with mountainous terrain in a narrow valley.
08/10/2017	France	AD Nogaro	FUNK	Stall during a manoeuvre with high inclination and low height shortly after take-off, collision with the ground, fire.
13/10/2017	Germany	Grebenhain, Vogelsberg	AEROSPOOL - WT9	Collision with trees in mountainous area in unintended IMC encounter.
16/10/2017	Germany	Jüterbog	AVID - MARK IV	Malfunction of the pyrotechnic system of the cruise rescue parachute, loss of control, collision with the ground.
21/10/2017	Romania	Vantu de Jos, Alba county	OTHER	Aircraft crash after take-off due to unknown reasons.
07/12/2017	New Caledonia	Near AD Île des Pins	TECNAM	Aircraft turn back during cruise in adverse weather conditions, loss of radio contact.
19/01/2018	Spain	La Pobla de Benifassà(Castellón)	ZENITH - CH601 - XL - XL	Aircraft stalled, lost control, and crashed. 2 persons on board, 1 fatality, 1 serious injury.

Local Date	State of Occurrence	Location	Aeroplane	Headline
24/02/2018	France	Trignac	DYN AERO - MCR01 - ULC	Asymmetrical extension of the flaps in the final, loss of control and collision with the ground.
05/03/2018	Germany	Karlstadt	FLIGHT DESIGN - CT2K - NO SERIES EXISTS	Aircraft stalled and lost control during climb phase. 1 person on board, 1 fatality.
05/04/2018	Niger	AD Tapoa	OTHER	Aircraft found crashed for yet unknown reasons.
09/04/2018	Czech Republic	2NM SW Veselí nad Lužnicí near Kundratice	OTHER - Not mapped	Aircraft lost control and crashed into the ground. 2 persons on board, 2 fatalities.
23/04/2018	France	Channay-sur-Lathan ULM airfield	RANS - S6 - ES	Ultralight aircraft crashed after loss of control during rejected landing. Aircraft stalled during initial climb. Aircraft destroyed and 1 person on board fatally injured.
24/04/2018	Germany	Mittelfischach	OTHER	Aeroplan crashed, cause unknown.
01/05/2018	Poland	Skorupy pow. Otwocki	OTHER	Aircraft crashed after pilot became unconscious.
04/05/2018	Ireland	near Ballina	OTHER - Not mapped	Aircraft crash during go around manoeuvre.
16/05/2018	Spain	LESU: La Seu d'Urgell Airport	PIPISTREL	Aircraft crash due to a loss of control during the initial climb.
26/05/2018	Spain	Vicinity of Loja Aerodrome	AVID - AVID FLYER	Aircraft lost control and crashed into a mountain side while descending. 1 person on board, 1 fatality.
27/05/2018	Germany	Nürtingen	AEROSPOOL - WT9 - NO SERIES EXISTS	Ultralight aircraft crashed due to unknown reasons. 2 persons on board, 2 fatalities.
31/05/2018	Poland	Bobrowniki gm. Nieborów	OTHER - Not mapped	The pilot lost control after a turn and the aircraft got into a spin. Microlight caught fire after impact on ground.
01/06/2018	Germany	Bad Neuenahr/Ahrweiler	MURPHY - RENEGADE	Collision with a power line followed by crash.
24/06/2018	France	Arviu	BEST OFF - SKYRANGER	Ultralight aircraft crashed for yet unknown reason.
26/06/2018	France	AD Oloron Herrère	OTHER	
09/07/2018	France	Ladignac	COMCO IKARUS - IKARUS C42 - B	Loss of control, collision with the ground during approach.
11/08/2018	Germany	EDXG: Melle-Gronegau	DYN AERO - MCR01	Aircraft crashed and caught fire for reasons unknown. 1 person on board, 1 fatality.
16/08/2018	Germany	Nannhausen	OTHER	Aircraft crashed for unknown reasons. 1 person on board, 1 fatality.
21/08/2018	France	Rue	OTHER	Crash during training flight followed by post-impact fire.
08/09/2018	Czech Republic	LKTEPL	OTHER	Loss of control during approach and crash.
11/09/2018	Italy	Calatabiano (CT)	TECNAM - P92 - E	Aircraft lost all power after take-off and crashed into terrain. 1 person on board, 1 fatality.
18/09/2018	Lithuania	EYSI	RANS - S6	Ultralight aircraft entered spin, crashed, and was found completely burnt.
25/09/2018	France	Aillant-sur-Tholon	OTHER	Aircraft crashed with the ground shortly after take-off. 1 person on board, 1 fatality.

Local Date	State of Occurrence	Location	Aeroplane	Headline
13/10/2018	Netherlands	near EHST - Stadskanaal	PIPISTREL	Aircraft lost control, stalled and span during approach, crashed and caught fire. 1 person on board, 1 fatality.
23/10/2018	France	Océan Atlantique 60NM ouest pointe du Raz	FLIGHT DESIGN - CTLS	An aircraft crashed into the ocean.
25/10/2018	New Caledonia	NWWE (ILP) : Ile Des Pins Moue	ZENAIR - CH601	Engine problem, stall, collision with the ground while test flight.
26/10/2018	France	Beaucaire	OTHER	Collision with the ground - post impact fire.
17/11/2018	Germany	over Erkelenz / Kückhoven airfield	REMOS - G3	Two Ultralight aircraft had a mid-air collision. 2 persons on board, 1 fatality, 1 serious injury.
04/01/2019	Italy	Sommacampagna	EVEKTOR AEROTECHNIK	Ultralight aircraft crashed into terrain. 1 person on board, 1 fatality.
16/01/2019	Greece	Sea area at Patraikos Bay - Greece, 1650m from Kryoneri Beach	MONNETT - SONERAI - 2	Ultralight airplane crashed at sea near Kryoneri at Patraikos Bay.
06/02/2019	Spain	1 NM south-east of Quijorna (Madrid)	AIR CREATION - ULTRAFLIGHT FUN - 18S GTBIS	Mid-air collision, one aircraft crashed. 3 persons on board, 2 fatalities, 1 minor injury.
21/02/2019	France	Port le Grand	OTHER - Not mapped	Ultralight collided with trees in unfavourable weather conditions.
24/02/2019	Spain	LEIR: Aerodromo Air Marugan	EVEKTOR AEROTECHNIK - EV97	Loss of control during initial climb and crashed.
16/03/2019	Portugal	LPBG (BGC) : Bragança	CZECH SPORT - SPORTCRUISER	RH wing failure/separation in flight - Aircraft crashed.
31/03/2019	Italy	Chantornè (Torgnon – Aosta)	ZLIN	Loss of control during a fly-by, aircraft entered a spin and crashed.
07/05/2019	France	Saint-Antonin-sur-Bayon	BEST OFF - SKYRANGER	Pilot reported flight control problems and collided with a mountain. 1 person on board, 1 fatality.
25/05/2019	Germany	Elz	AEROPRO - EUROFOX	Microlight crashed in a forest.
26/05/2019	Bulgaria	take-off from LBHT: Ihtiman	PIPISTREL - Virus SW 100	Aircraft entered spin shortly after take-off. 2 persons on board, 2 fatalities.
31/05/2019	Poland	Napoleon pow. Klobucki	LONG - MIDGET MUSTANG - NO SERIES EXISTS	Accident of a historic aircraft due to an abrupt manoeuvre followed by a stall and crash.
09/06/2019	Portugal	next to LPJF: Leiria	BRM AERO - BRISTELL NG5	Aircraft crashed followed by post-impact fire after a low pass.
10/06/2019	Germany	EDBW: Werneuchen	OTHER - Not mapped	Microlight crash and fire shortly after take-off.
15/06/2019	Italy	URGNANO, VIA MULINO DEI PRATI	AIR CREATION - ULTRAFLIGHT FUN	A small aircraft crashed into a hillside. 1 person on board, 1 fatality.
22/06/2019	Belgium	near EBBZ : Pont-À-Celles / Buzet	ZENAIR - CH601	Aircraft crashed on approach. Emergency parachute was deployed while flying low. 2 persons on board, 2 fatalities.
27/06/2019	Switzerland	near of Col de Sonlomont	REMOS - GX	Plane crashed into a forested, steep hillside.

Local Date	State of Occurrence	Location	Aeroplane	Headline
23/07/2019	France	Proche P-F ULM Calviac	OTHER	Aircraft found crashed on the ground in the vicinity of the airfield. 1 person on board, 1 fatality.
24/07/2019	France	Larche	EVEKTOR AEROTECHNIK - EV97 - TEAMEUROSTAR UK	Navigation error in the mountains followed by loss of control during a U-turn.
31/07/2019	Finland	EFTP	EVEKTOR AEROTECHNIK - EV97	Ultralight EV-97 stalled and crashed after take-off, one fatality.
23/08/2019	Spain	San Juan del Puerto Port (Huelva – Spain)	OTHER	A wing of an ultralight aircraft was detached in flight.
25/08/2019	Spain	Carretera vieja de Costix, 400m away from Inca hospital	AEROPRAKT - A22 - L	Mid-air collision between helicopter and ultralight.
25/08/2019	France	platform ULM La selle en Hermoy	OTHER	Loss of control in the final approach followed by crash.
31/08/2019	Germany	Tiefenbach/Hofen	COMCO IKARUS - IKARUS C42 - B	During a scenic flight, the ultralight had contact with trees and crashed to the ground. 2 persons on board, 1 fatality, 1 serious injury.
21/09/2019	France	Putanges-le-lac	OTHER - Not mapped	Seaplane collision with a power line and crash.
27/09/2019	Lithuania	Stetiskes, near Panevezys	UNKNOWN	Fatal accident with ultralight Skystar.
07/10/2019	France	Jumeauville	OTHER - Not mapped	Ultralight crashed due to unknown circumstances.
22/10/2019	France	approach to LFPX: Chavenay Villepreux	OTHER	Loss of control on final, collision with ground.
30/10/2019	France	LFBJ: Saint-Junien	ALPI AVIATION - PIONEER200	Loss of control on approach, collision with the ground.
16/11/2019	Czech Republic	River Labe between village Nucice and Nucicky	OTHER	Collision with Power Lines - Ultralight aircraft crashed.
28/12/2019	France	LFAV: Valenciennes / Denain	OTHER - Generic	Loss of control after take-off and crash.
29/12/2019	Switzerland	Arosa/GR	ZLIN	Aircraft crashed in mountainous terrain.
21/01/2020	Norway	Gjølstad	DYN AERO - MCR01 - ULC	Deep landing combined with poor braking action on iced grass runway resulted in loss of control.
11/02/2020	Italy	Airfield "Reno Air Club" (Bologna)	TECNAM - P2002 - JF	Aircraft crashed on the ground after take-off.
19/03/2020	Romania	near Siria Airfield, Arad county	OTHER - Not mapped	Crashed of ultralight aircraft under unknown circumstances.
24/04/2020	Czech Republic	Svatoborice (Hodonín)	BRM AERO - BRISTELL NG5 - NO SERIES EXISTS	Aircraft stalled and crashed during turn after take-off. 2 persons on board, 2 fatalities.
25/04/2020	Slovenia	NEAR LJAJ	OTHER	A collision between a plane and a paraglider.
25/04/2020	Slovenia	Ajdovscina Aerodrome	OTHER - Not mapped	Mid-air collision of an Aeroplane and a Paraglider and Crash of both.
22/05/2020	France	La Ferté-Bernard	OTHER - Not mapped	Crash of aircraft under unknown circumstances.

Local Date	State of Occurrence	Location	Aeroplane	Headline
31/05/2020	Italy	Aviosuperficie Arma di Nettuno (RM)	TECNAM - P92 - E	Crash of aircraft shortly after take-off. 2 persons on board, 2 fatalities.
06/06/2020	Germany	Gießen	TL ULTRALIGHT	Loss of control after take-off - Aircraft crashed.
19/06/2020	France	Mortemer	OTHER - Not mapped	Loss of control while cruising. Collision with the ground.
10/07/2020	Norway	Meråker	ICP - SAVANNAH - VG	Collision with tree during final approach resulted in fatal accident.
12/07/2020	Germany	Senheld	AEROPRO - EUROFOX - NO SERIES EXISTS	Runway excursion ended in a crash during a go-around. Aircraft caught fire. 1 person on board, 1 fatality.
12/07/2020	Germany	Rheinstetten	OTHER - Not mapped	Loss of control caused aircraft to crash. 2 persons on board, 2 fatalities.
25/07/2020	Germany	Wesel-Lackhausen	OTHER - Not mapped	Crash of aircraft into a house and fire post-impact.
05/08/2020	Germany	Iserlohn / Rheinermark airfield	ZLIN	The aircraft stalled shortly after take-off. 2 persons on board, 1 fatality and 1 serious injury.
06/08/2020	France	P-F ULM Cruis Mas Des Grailles	FLIGHT DESIGN - CTSW	Bounced landing - attempted go-around - loss of control - aircraft crashed and caught fire.
15/08/2020	Poland	near EPKI: KIKITY	BRM AERO - BRISTELL NG5	Aircraft crashed under yet unknown circumstances.
15/08/2020	France	AD Saint-Martin de Londres	OTHER	Aircraft struck treetops - loss of control - aircraft crash and caught fire.
16/08/2020	Germany	Porta Westfalica	OTHER	Crashed shortly after take-off and caught fire.
29/10/2020	Czech Republic	Olšany u Prostejova	OTHER - Not mapped	Pilot reported engine problems, rapid descent. 1 person on board, 1 fatality.
21/11/2020	Germany	Gera	Flying Machines FM25	Loss of control due to unknown reasons 1 person on board, 1 fatality.
13/02/2021	Netherlands	Kornhorn	AEROSPOOL - WT9	Loss of control during manoeuvring.
14/02/2021	Italy	Buccella (comune di Vigevano provincia di Pavia)	OTHER	Ground impact after suspected wing separation.
21/02/2021	France	LFGP Saint-Florentin Chéu	OTHER	Engine failure on initial climb, collision with ground on landing.
30/03/2021	Germany	Jandelsbrunn	EVEKTOR AEROTECHNIK - EV97	Crash into ground
22/04/2021	Germany	Kulmbach	OTHER	Crash into ground
23/04/2021	France	Grayan-et-l'hôpital	AAI - JCC Aviation J300	Collision with the ground.
21/06/2021	Greece	Village of Charia approx. 14 Km NE of the city of Pyrgos	OTHER - Not mapped	Aircraft crashed and destroyed by fire.
29/07/2021	Czech Republic	Jablonná Horní Hbity	OTHER - Not mapped	Aircraft crashed shortly after take-off.
30/07/2021	France	LFQW: Vesoul Frotey	OTHER	Problem in initial climb, turnaround, loss of control, collision with ground.
21/08/2021	France	Courcelles	OTHER	Collision with a power line.
30/08/2021	Spain	Niebla	RANS - S12	An ULM crashed into terrain with nose down attitude.

Local Date	State of Occurrence	Location	Aeroplane	Headline
04/09/2021	France	Woignarue	OTHER	Collision with the ground.
12/09/2021	France	Autouillet (78)	OTHER	Loss of control, collision with the ground.
30/09/2021	France	LFLR: Saint-Rambert-D'Albon	TECNAM - P92	Microlight turn right and stall in the turn.
10/10/2021	Réunion	Saint-Paul de la Réunion	RANS - S6	The ultralight collided with the terrain.
13/10/2021	France	Bordes-de-Rivière	AEROSPOOL - WT9, GLASER DIRKS - DG600M	Glider crashed into terrain after disconnection from the tug microlight
16/10/2021	France	LFGF: Beaune Challanges	OTHER	Loss of control on initial climb, collision with ground.
05/11/2021	Spain	Near LEAX : La Axarquía aerodrome	BUCKER - BU131	Aircraft crashed due to engine failure.
15/11/2021	Greece	Mountainous area 'Profitis Ilias' approx. 40 Km east of Larissa city	OTHER	Ultralight experimental airplane crashed into mountainous terrain.
18/11/2021	France	Nera LFPE: Meaux Esbly	OTHER	Collision with a pylon shortly after take-off and collision with the ground.
20/12/2021	Italy	Bastiglia (Modena)	TECNAM - P92	Collision with building.

Aeroplanes registered outside the EASA Member States

Local Date	State of Occurrence	Location	Aeroplane	Headline
01/03/2012	Germany	Egelsbach, nahe	CESSNA - 750 - NO SERIES EXISTS	Controlled flight into terrain.
21/04/2012	Spain	Albalat de la Ribera	OTHER	Aircraft crashed after take-off due to unknown reasons.
13/07/2012	France	Castellet Airport	GULFSTREAM - GIV	Runway excursion, ground spoilers not deployed delaying the thrust reversers to react. 3 persons on board, 3 fatalities.
05/01/2013	France	Saint-Geoirs (38)	PIPER - PA34 - 220T	Loss of control in IMC condition - collision with the ground - aircraft caught fire after the impact.
09/02/2013	Belgium	EBCI	CESSNA - 210	Aircraft crash due to icing and loss of control.
04/03/2013	France	Annemasse Airport	RAYTHEON - 390	Hawker Raytheon Premier 390 - Collision with a house on take-off.
01/05/2013	Austria	westlich Baumkirchen/Tirol	BEDE - BD5	Aircraft crashed after experiencing technical failures.
27/05/2013	Germany	Wolfsbehringen	PIPER - PA39	During climb the pilot became incapacitated and loss the control of the aircraft.
29/05/2013	France	Gap (05)	PIPER - PA28R	Engine fire while cruising, smoke in the cabin, emergency landing, collision with vegetation and then the ground.
08/08/2013	France	near LFLC (CFE): Clermont- Ferrand Auvergne	SOCATA - TBM700 - N	Aircraft lost control and crashed during approach for landing.

Local Date	State of Occurrence	Location	Aeroplane	Headline
24/09/2013	France	Lyon-Bron Airport, France	CESSNA - 421	Cessna 421 with PT6 engines - loss of control on take-off, aircraft crashed and caught fire.
19/11/2013	France	Mouffy (89), FRANCE	SOCATA - TBM700 - B	Aircraft lost control and crashed during descent. 6 persons on board, 6 fatalities.
12/01/2014	Germany	Near Trier-Föhren Airport	CESSNA - 501	Aircraft collision against power pole due to a VFR flight in IMC.
04/04/2014	Italy	Casarola mountain Collagna (Reggio Emilia)	PIPER - PA30	Controlled flight into mountain slope.
14/06/2014	Sweden	Lake Vättern near Visingsö, Jönköping county	CESSNA - TU206 - G	After water landing, aircraft flipped in hard wing and high sea condition - Water rudder left in the down position - 1 person on board - 1OB Fatal - Substantial damage.
25/06/2014	Latvia	Jelgava	JODEL	Jodel D-185 - aircraft crashed killing the pilot - 1 person on board, 1 fatality - aircraft destroyed.
12/07/2014	France	Urtaca (2B)	PIPER - PA28R - 201T	Collision with a mountain in cruise - 3 persons on board, 3 fatalities - aircraft destroyed.
06/08/2014	France	Saint-Jean-les-2-Jumeaux (77)	SOCATA - TBM700 - B	Loss of control in flight and impact with the ground - 5 persons on board, 2 fatalities, 3 serious injuries - aircraft destroyed.
09/08/2014	Italy	Varsi (Parma)		Unspecified ultralight - aircraft crashed on a tree covered area - 2 persons on board, 1 fatality, 1 serious injury - aircraft destroyed.
27/09/2014	Italy	Salgareda, Treviso Airport	DENNEY - KITFOX	Ultralight Kitfox - Aircraft loss height during take-off, crashed into a vineyard and caught fire - 1 person on board, 1 fatality - aircraft destroyed.
26/11/2014	Italy	Cirò Marina, Calabria	ICP - SAVANNAH	ICP Savannah - Aircraft lost altitude probably due to a technical malfunction and crashed into a restaurant - 2 persons on board, 1 fatality, 1 serious injury - aircraft destroyed.
30/01/2015	Switzerland	Bernex	PIPER - PA46 - 350P	Loss of control in flight - Aircraft crashed.
24/05/2015	Ireland	Blackstairs Mt., Co. Carlow	CESSNA - T182 - T	Impact with mountainous terrain.
31/07/2015	United Kingdom	Blackbushe Airport	EMBRAER - EMB505	Following TCAS RA to avoid a microlight the aircraft landed long and then exited the runway.
14/11/2015	United Kingdom	Buttles Farm, Churchinford	PIPER - PA46 - 350P	Pilot lost the control of the aircraft in IMC condition. Aircraft crashed in a field.
14/07/2016	Slovenia	7 Km north of Ajdovscina	PIPER - PA32R - 301T	Aircraft crash in a wooded field after a "Mayday" call.
25/08/2016	Germany	Speyer	YAKOVLEV - YAK11 - NO SERIES EXISTS	Loss of control in a turn after take-off.
06/09/2017	United Kingdom	Caernarfon Airport	PIPER - PA31	Aircraft crash during landing due to reported pitch control problems. 1 person on board, 1 fatality.
22/09/2017	Greece	mountainous area 6,5 nm NW of Kommotini city	FLIGHT DESIGN - CT2K	Private Airplane (CT-2K) declared missing and found disintegrated in a mountainous area. Both occupants fatally Injured.

Local Date	State of Occurrence	Location	Aeroplane	Headline
21/10/2017	Romania	Vantu de Jos, Alba county	OTHER	Aircraft crash after take-off due to unknown reasons.
17/02/2018	France	Saint-Laurent-La-Roche	BEECH - 55 - 95B55	Loss of radio and radar contact while cruising, collision with terrain.
24/03/2018	Switzerland	Arosa/GR	MAULE - M7 - 235	Collision with a bridge after take-off in Arosa.
18/09/2018	Lithuania	EYSI	RANS - S6	Ultralight aircraft entered spin, crashed, and was found completely burnt.
31/05/2019	Poland	Napoleon pow. Klobucki	LONG - MIDGET MUSTANG - NO SERIES EXISTS	Aircraft crashed due to unknown reasons shortly after take-off.
21/07/2019	United Kingdom	Near Hythe	DE HAVILLAND - DH82 - A	Aircraft rolled into a steeply banked turn crashing on a crop field.
29/11/2019	Switzerland	250 m southeast of the mountain hut 'Tschuggenhütte' near the village of Arosa (GR)	ZLIN	The aircraft crashed from low altitude above ground and in a rotary motion into rough terrain.
23/02/2020	France	Beaulieu, Puy-de-Dôme	RYAN - ST3KR	Pilot lost control of the aircraft after an engine failure - 2 persons on board, 2 fatalities.
19/09/2020	Germany	Moosburg	RAVEN	Aircraft crashed most likely due to fuel starvation while performing go around.
20/09/2020	Germany	Kulmbach	PITTS - S1 - S	Loss of control and crash during aerobatics.
28/09/2020	France	on app to LFQM: Besançon-La-Vèze	CIRRUS - SR22	Crash on approach. Fire post-impact. Likely loss of control during approach.
11/11/2021	Austria	6845 Hohenems	CESSNA - P210	Collision with high terrain. Wrong turn made ending with a collision with a mountain.

Commercial air transport helicopters

Local Date	State of Occurrence	Location	Aeroplane	Headline
08/04/2012	Niger	Niger	AEROSPATIALE AS350	Helicopter crashed in the desert.
14/01/2014	Norway	Near Solihogda, Norway	EUROCOPTER EC135	Medical helicopter struck power lines and crashed.
17/07/2015	Slovakia	Under Klášťorná roklina gorge - Hornád canyon	AGUSTA A109	Helicopter crashed on a riverbank after strike with power cables during en-route HEMS mission.
31/07/2015	Italy	Pizzo Zocca di val Masino (Sondrio)	AEROSPATIALE AS350	Controlled flight into a mountain peak obscured by clouds.
29/04/2016	Norway	near Turøy	EUROCOPTER EC225	Helicopter crashed during an offshore mission.
02/06/2016	Moldova	Haragis	EUROCOPTER EC135	Helicopter crashed in wood.
07/09/2016	Slovakia	Strelníky	BELL 429	Controlled flight into terrain during a HEMS flight in mountainous area.
08/09/2016	Austria	Carinthia, ca. 2346 m	ROBINSON R66	Helicopter crashed in a mountainous area.

Local Date	State of Occurrence	Location	Aeroplane	Headline
24/01/2017	Italy	Monte Cefalone, Lucoli (AQ)	AGUSTA AW139	Helicopter crashed into a mountain slope during HEMS flight.
23/01/2018	Germany	Philippsburg	EUROCOPTER EC135	Mid-air collision.
15/12/2018	Portugal	1NM South of Valongo	AGUSTA A109	Collision with radio tower in bad weather conditions.
25/01/2019	Italy	Rutor Glacier	AEROSPATIALE AS350	Mid-air collision between helicopter and small aeroplane.
11/05/2019	France	Le Conquet	EUROCOPTER EC135	HEMS helicopter near miss with a paraglider, loss of control and crash of paraglider.
20/08/2019	Greece	Sea area between Galatas and Poros island	AGUSTA A109	Helicopter crashed in sea after collision with power lines.
25/08/2019	Spain	Carretera vieja de Costix, 400m away from Inca hospital	BELL 206	Mid-air collision between helicopter and ultralight aeroplane.
31/08/2019	Norway	near Alta	AEROSPATIALE AS350	Helicopter crashed in mountainous area.
07/01/2020	Italy	Maravidi Mountain	AEROSPATIALE AS350	Skier remained hooked with helicopter's utility basket on take-off and fell to the ground.
01/11/2022	Norway	Verdal, TrÃndelag	AEROSPATIALE AS350	The helicopter collided with the ground for unknown reasons so far
25/07/2022	Greece	Superior Air helipad	BELL 407	Passenger deadly injured by tail rotor.
09/06/2022	Italy	Close to Mount Cusna (Villa Milozzo- RE)	AGUSTA AW119	Controlled flight into terrain in marginal weather conditions
05/11/2022	Italy	Apricena	AGUSTA AW109	Collision with terrain.

Specialised operations helicopters

Local Date	State of Occurrence	Location	Aeroplane	Headline
11/01/2012	Norway	Mosjøen SE of	ROBINSON R44	Helicopter crashed into ground during reindeer herding.
14/03/2012	Gabon	near Iguela	BELL 212	Collision with obstacles during sling load operation.
06/04/2012	Belgium	Huy	ROBINSON R22	Collision with cable in hover.
29/06/2012	Germany	Lieser, nahe	HUGHES 369	Collision with powerline.
09/09/2012	Germany	Roßfelder Glider Airfield	EUROCOPTER EC120	Loss of control during an air show.
29/06/2013	Switzerland	Switzerland	AEROSPATIALE AS350	Helicopter crashed due to loss of control caused by a previous rotor strike.
01/07/2013	Switzerland	Switzerland	AEROSPATIALE AS350	Helicopter crashed in a mountainous area and caught fire in unknown circumstances.
12/11/2013	France	Saint-Chaffrey	AEROSPATIALE AS350	Helicopter crashed after hitting a cable of a chairlift.
18/12/2013	Portugal	near Monchique	EUROCOPTER EC120	Helicopter collision with power lines and crash.
14/07/2015	Switzerland	Guggigletscher, Lauterbrunnen	AEROSPATIALE AS350	Helicopter crashed in a mountainous snow-covered area during aerial work mission.

Local Date	State of Occurrence	Location	Aeroplane	Headline
31/12/2015	Réunion	Rempart du Maïdo	AEROSPATIALE AS350	Helicopter turned back due to bad weather conditions and crashed shortly afterwards.
19/05/2016	Bulgaria	Gylovtsa village, Nesebar	KAMOV KA26	Collision with power lines.
13/05/2017	Switzerland	Petersgrat	AEROSPATIALE AS350	Helicopter overturned onto its side and rolled over during landing in a mountainous area.
26/09/2017	Sweden	Högheden	HUGHES 369	Helicopter accident during power line inspection flight.
11/06/2018	Switzerland	near Attinghausen	AEROSPATIALE AS350	Helicopter crashed.
07/01/2019	France	near Castres	AEROSPATIALE AS350	Helicopter crashed during sling load operation.
06/07/2020	Spain	near LESU: Seo de Urgel	AEROSPATIALE AS350	Helicopter crashed for unknown reasons while performing a powerline survey mission.
16/11/2021	Sweden	20 km north of Sundsvall	AEROSPATIALE AS350	Person on ground was stuck in the external load lifting device, lifted into the air and then fell to the ground.
16/03/2022	Switzerland	Gordola, Ticino	AEROSPATIALE AS350	Helicopter collided with powerline while performing external load operations, post-impact fire

Non-commercially operated helicopters

Local Date	State of Occurrence	Location	Aeroplane	Headline
09/06/2012	Germany	Teisendorf	ROBINSON R44	Collision with trees during low level flight in instrumental flight conditions.
03/09/2012	France	Valouse	ROBINSON R44	Rotor mast tailgating during cruise and rupture in-flight followed by a crash.
10/01/2013	Germany	Wolpertshausen	ROBINSON R44	Collision with power line in bad weather conditions.
01/03/2013	France	France	AEROSPATIALE SA316	Helicopter crashed into a frozen lake.
29/07/2013	Romania	lake near Taureni	EUROCOPTER EC130	Controlled flight into a lake.
13/09/2013	Poland	Wygonin	ROBINSON R44	Collision with Terrain.
12/10/2013	Poland	Wolica Kozia	ENSTROM 280	Helicopter crashed following engine failure.
19/11/2013	Germany	Neuhausen ob Eck	ROBINSON R44	Helicopter crashed into a forest in foggy weather conditions.
20/12/2013	France	Lugon and Ile du Carney (33)	ROBINSON R44	Collision with water during flight at a low height.
28/02/2014	Germany	Baltic Sea, about 3 NM north of Prerow	MBB BK117	Helicopter fell in the water during training exercise in the sea.
05/04/2014	Austria	Am Kogl, Kirchham	ENSTROM 280	Helicopter crashed in a wooded area whilst en-route to airfield.
13/06/2014	Belgium	On EBCF airfield 10m off Runway 30 (RH)	SCHWEIZER 269C	Engine power incorrect management during final leg followed by loss of control and crash.
27/07/2014	Italy	Lago del Salto	AEROSPATIALE AS350	Helicopter collision with wakeboard installation and subsequent crash

Local Date	State of Occurrence	Location	Aeroplane	Headline
08/08/2014	Italy	Chanton Desout	SUD AVIATION SA318	Helicopter crashed on a mountainous terrain due to an unexpected weather deterioration.
05/09/2014	Denmark	In Samsøe Belt between Røsnæs and Samsø	ROBINSON R44	Helicopter crashed under unknown circumstances into the sea.
02/10/2014	France	France	EUROCOPTER EC130	Controlled flight into terrain in IMC conditions.
04/12/2014	Portugal	near LPSO - Ponte de Sor	SCHWEIZER 269C	Helicopter crashed on a training flight.
29/03/2015	Czech Republic	Filipova Hut	ROBINSON R44	Helicopter crashed.
16/07/2016	Spain	Valmayor Reservoir (Valdemorillo)	ROBINSON R22	Helicopter hooked with a high voltage wire and crash into a reservoir.
16/08/2016	Czech Republic	near LKPS - Plasy	ROBINSON R44	The helicopter crashed during autorotation training.
05/09/2016	France	Origny le Sec	ROBINSON R22	Helicopter crashed.
19/11/2016	Italy	Monte RhoArcisate/Bisuschio (Varese)	AGUSTA A109	Helicopter crashed.
15/03/2017	France	Figeac	BELL 206	Helicopter crashed whilst flying at low altitude during a night flight.
23/06/2017	Greece	Scinias of Marathonas area wetland	MD HELICOPTER 369	Helicopter crashed during low flying due to collision with electrical power lines.
08/10/2017	Latvia	Near Gramzda	ROBINSON R44	Helicopter impacted a powerline and crashed.
02/05/2018	French Guyana	Cacao	BELL AB 2016	Helicopter crashed into a forest.
07/07/2018	Slovakia	Boundary of Village Kanaš	ROBINSON R44	Helicopter hit a power line during take-off and crashed.
11/07/2018	Poland	Domecko near Opole	ROBINSON R44	Helicopter crashed for unknown reasons.
05/09/2018	Czech Republic	Domažlická 1059, Plzen - Skvrnany	ROBINSON R44	Loss of control during manoeuvring at low altitude.
17/02/2019	Norway	North of Roeldal alpine center	ROBINSON R44	Helicopter crashed in mountainous terrain.
22/03/2019	Czech Republic	Near Blažkov village	ENSTROM 480	Helicopter loss of control in flight.
03/05/2019	Italy	Pegognaga (Mantova)	ROBINSON R22	Loss of control in flight and impact with the ground.
01/12/2019	Italy	not reported	MBB BK117	Helicopter crashed yet in undetermined circumstances.
25/10/2020	Italy	In the proximity of Cervinia	ROBINSON R44	Loss of control shortly after take-off and collided with the ground.
08/12/2020	France	French Alps, Bonvillard (73) Savoie	EUROCOPTER EC135	Helicopter crashed in mountainous area during training flight for winching by night conditions.
08/12/2020	Germany	Speyer	GUIMBAL CABRI	Helicopter loss of control in flight.
09/02/2021	France	Planay	BELL 206	Collision with the ground in mountainous area.
22/02/2021	Poland	Pszczyna	BELL 429	Helicopter crashed in a forest during night conditions.
07/03/2021	France	Touques helipad	AEROSPATIALE AS350	Helicopter impacted trees while taking off from a private airfield.
17/03/2021	Sweden	Leksand 12 km southwest of city	ROBINSON R44	Helicopter collision with tree.
17/06/2021	Norway	Eldanger	ROBINSON R44	Helicopter possible collision with power lines.

Local Date	State of Occurrence	Location	Aeroplane	Headline
17/10/2021	Germany	Buchen-Stürzenhardt	ROBINSON R44	Helicopter crashed.
13/12/2022	Ireland	Agricultural field near Kennycourt	ROBINSON R44	Impact with terrain followed by post-crash fire
10/08/2022	Italy	Albosaggia (SO)	ROBINSON R22	Helicopter collided with power line and crashed.
06/01/2022	France	Col du Béal, Puy de Dome	ROBINSON R44	Crashed and burst into flames.

Helicopters registered outside the EASA Member States

Local Date	State of Occurrence	Location	Aeroplane	Headline
26/04/2012	Romania	near Ostrov	KAMOV KA32	Helicopter crashed.
05/09/2014	Belgium	Roeselare, West Flanders	ROBINSON R44	Helicopter crashed shortly after taking off and destroyed by post impact fire.
10/05/2017	Italy	Fundres (BZ)	ENSTROM 480	In flight separation of main rotor blade and main rotor hub.
22/07/2019	Italy	Approximately 6NM S/SW Gorgona Island	ROBINSON R66	Helicopter crashed into the sea.
25/11/2022	France	Col d'Eze, Between Villefranche and Eze (06) Alpes-Maritimes	EUROCOPTER	Helicopter crashed for unknown reasons so far

Annex I helicopters

Local Date	State of Occurrence	Location	Aeroplane	Headline
18/02/2012	Germany	Lahr	CHR SAFARI	Tail rotor blade separation during take-off.
12/03/2012	Martinique	Le Lorrain	BELL 47	Collision with power lines and consequent post-impact fire.
14/05/2012	Czech Republic	Sindlovy Dvory	CHR SAFARI	Fall of helicopter.
21/04/2013	Slovakia	385 metrov od prahu VPP TK 31	DYNALI H2S	Helicopter crashed.
14/09/2013	France	Gignac (34)	FAMA K209MF	Detachment of rotor in flight, terrain collision, fire.
03/12/2013	Czech Republic	6 km W LKBO - Štěpánov	HELISPORT CH7 RANABOT	Fall of helicopter.
12/02/2015	Czech Republic	Bohušovice nad Ohří	ROTORWAY TALON A600	Fall of helicopter.
15/06/2015	France	AD Longuyon Vilette	MOSQUITO XE	Loss of control during hovering, terrain collision and fire.
17/07/2016	United Kingdom	EGBR - Brighton	AEROSPATIALE SE313	Loss of control with ground impact during quick stop/ flare.
10/05/2017	Austria	Gramaialm	BELL 47G	Helicopter crashed after collision with cable and caught fire.
13/03/2018	France	Between Millas and Corbère-les-Cabanes	CHR SAFARI	Crash followed by post-impact fire.
05/04/2018	France	AD Libourne	BELL 47G	Ground collision with fire during instruction flight.
05/04/2018	France	Crestet	ROTORWAY EXEC	Loss of control in flight, collision with the ground, fire.

Local Date	State of Occurrence	Location	Aeroplane	Headline
19/06/2018	France	AD Châtelleraut	HELISPORT CH7 RANABOT	Inadvertent opening of a door, impact of the rotor with the door, loss of control, collision with the ground, fire.
13/07/2018	France	Saint Raphaël	HELISPORT CH7 RANABOT	Helicopter collided with tree and caught fire.
13/07/2018	Italy	Musile di Piave (VE)	YO-YO 222 3RD SERIES	Loss of control in flight followed by tail boom separation during approach.
05/11/2018	Saint Pierre and Miquelon	Saint Pierre et Miquelon	ROTORWAY EXEC	Collision with the ground shortly after take-off.
22/03/2019	Lithuania	Barysiai, Joniskiu district, Siauliai county	ULTRASPORT 555	Helicopter crashed.
15/07/2019	France	PF ULM Grand Couronné	HELISPORT CH7 RANABOT	Terrain collision.
24/08/2019	Switzerland	Approx. 3 km southeast of Herisau (AR)	ROTORWAY EXEC	Helicopter crashed into a meadow during an autorotation, overturned and caught fire.
24/09/2019	France	AD Montélimar-Ancone	LH 212 DELTA	Ground collision during manoeuvring.
30/11/2019	France	Gréoux-les-Bains	HELISPORT CH7 RANABOT	Helicopter crashed.
30/06/2020	Poland	Strzegom	PHOENIX UH22	Helicopter crashed after losing control in flight.
10/07/2020	Italy	Nazzano (Rome)	R22 like	Helicopter clipped powerlines and fell into a river.

Balloons

Local Date	State of Occurrence	Location	Aeroplane	Headline
13/05/2012	France	Charly-sur-Marne (02)	SCHROEDER	Collision with a powerline, fire.
19/08/2012	France	Feings(41)	CAMERON	Hard landing, one passenger was ejected and hit by the basket - 34 persons on board, 1 fatality - No damage.
23/08/2012	Slovenia	Ljubljana marshes	LINDSTRAND - LBL600C	Hot air balloon crash in storm - 32 persons on board, 6 fatalities, 12 serious injuries, 14 minor injuries - aircraft destroyed.
06/08/2013	Switzerland	Haut-Intyamom/FR	CAMERON - Z105	Collision of balloon with powerline.
05/10/2014	France	Cazes Mondenard (82)	SCHROEDER - FIRE BALLOONS G - NO SERIES EXISTS	Balloon flying in convective atmosphere generating wind variations with decision to precautionary landing.
12/07/2015	Spain	Vilanova del Cami	ULTRAMAGIC - S160	Balloon basket impacted a metal fence on final approach, basket overturned, some occupants ejected included pilot - pilot died.
08/10/2015	Italy	Montescaglioso (MT)	SCHROEDER - FIRE BALLOONS G	Balloon forced landing after hitting power line.
05/01/2016	France	Aurel	ULTRAMAGIC - M120	Fall of a person that gripped on the outside of the basket during take-off.
02/06/2019	France	Pons	SCHROEDER - FIRE BALLOONS G	Balloon bounced landing - pilot ejected and hit by basket.

Local Date	State of Occurrence	Location	Aeroplane	Headline
08/03/2020	Spain	Sports Center Palomares del Río	ULTRAMAGIC - H77	Pilot is thrown during the touchdown of the balloon.
16/08/2020	Germany	St. Goar	KUBICEK - BB51 - Z	Balloon hard landing resulting in 1 fatal injury and 4 serious injuries.
05/09/2020	Hungary	Vál	BALLOON ALOFT - AX8	Fire in balloon basket during landing procedure.
22/05/2021	Ukraine	Kulchiivtsi village	OTHER	Hard Landing caused one fatality and five serious injuries
16/08/2021	Italy	Buonconvento	ULTRAMAGIC - M160	Pilot fell on the ground from a balloon.
08/08/2022	Germany	Beelitz	SCHROEDER - FIRE BALLOONS G	Passenger rolled over and killed by vehicle during uncontrolled takeoff of balloon

Sailplanes

Local Date	State of Occurrence	Location	Aeroplane	Headline
25/03/2012	Portugal	Águeda, Portugal	GLASER DIRKS - DG800	Powered sailplane entered spin and crashed. 1 person on board, 1 fatality, aircraft substantially damaged.
10/04/2012	Switzerland	Innerthal	GLASER DIRKS - DG800	Sailplane crashed into a mountain. Cause unknown. 1 person on board, 1 fatality, aircraft destroyed.
15/04/2012	Germany	Laufenselden	GLASER DIRKS - DG500 - TRAINER	Sailplane collision with trees after failed rope connection.
17/04/2012	Poland	Olsztyn-Dajtki	SPORTINE AVIACIJA - LAK17 - A	Sailplane stalled during turn to final approach after a failed winch launch. 1 person on board, 1 fatality, aircraft destroyed.
30/04/2012	Germany	Unterwössen	ROLLADEN SCHNEIDER - LS6	Collision with trees during landing.
03/05/2012	France	Claix, France	ROLLADEN SCHNEIDER - LS7	Sailplane crashed into a mountain side. 1 person on board, 1 fatality, aircraft destroyed.
05/05/2012	France	AD Buno Bonnevaux (91)	PIPER - PA25 - 235	Mid-air collision between a sailplane and an aeroplane above runway.
19/05/2012	Switzerland	unbekannt	ROLLADEN SCHNEIDER - LS1	Missing sailplane - found crashed 2 weeks later.
19/05/2012	Switzerland	Maienfeld, Switzerland	SCHLEICHER - ASW28	Sailplane crashed in the mountains.
26/05/2012	Switzerland	Hütten/ZH	OTHER	Powered sailplane stalled and crashed. 1 person on board, 1 fatality, aircraft destroyed.
28/05/2012	Germany	Ludwigshafen-Dannstadt	SCHEMPP HIRTH - DISCUS BT	Loss of control in flight.
14/06/2012	France	Curienne (73)	CENTRAIR - 101	In-flight collision between a glider and an ULM. 1 person on each aircraft. 1 fatality.
18/06/2012	France	La Pierre, France	GLASER DIRKS - DG400	Sailplane loss of control in flight.
30/06/2012	Italy	Cicogna	SPORTINE AVIACIJA - LAK19	Sailplane crashed in mountains.

Local Date	State of Occurrence	Location	Aeroplane	Headline
22/07/2012	Poland	Krosno	PZL BIELSKO - SZD50 - 3	Sailplane entered spin while performing a steep turn ending by crashing to the ground. 2 persons on board, 1 fatality, 1 serious injury, aircraft destroyed.
23/07/2012	Germany	Pfronten, nahe	SCHLEICHER - ASH25	Sailplane crashed in the mountains.
26/07/2012	Switzerland	Romont/FR	OTHER	Powered sailplane crashed on a field.
27/07/2012	Switzerland	Glarus Nord/GL	OTHER	Sailplane collided with a mountain.
30/07/2012	France	Barles (04), lieu-dit Le Forest, altitude 1 170 m	PZL BIELSKO - SZD48	Sailplane impacted the ground in mountainous area.
04/08/2012	Germany	Quakenbrück	SCHLEICHER - ASK13	Sailplane crashed into houses, first solo.
04/08/2012	France	Mont-Dauphin, FRANCE	SCHEMPP HIRTH - CIRBUS	Sailplane crashes after towing cable was released.
05/08/2012	Germany	Adenau	GLASFLUGEL - H301	Loss of control in flight during off-field landing final.
15/08/2012	Germany	Ottenberg bei Nürnberg	SCHEMPP HIRTH - CIRBUS	Sailplane spiral dive after interrupted winch launch.
08/09/2012	France	Aussois, FRANCE	LANGE - E1	Crash against a rocky mountain.
15/09/2012	Italy	Albavilla, ITALY	SCHEMPP HIRTH - VENTUS2A	Sailplane crash near the top of the mountain.
13/10/2012	France	Pierrevet (04)	SCHLEICHER - ASW19	Loss of control in flight, collision with trees.
20/02/2013	France	AD Coulommiers (77)	SCHEIBE - SF25 - C	Scheibe SF25C - Loss of control during final approach, ground impact, fire. 1 person on board, 1 fatality - aircraft destroyed.
04/05/2013	Germany	Bohnte	SPORTINE AVIACIJA - LAK19	Sailplane crashed in initial climb phase winch launching.
05/05/2013	France	Llupia (66)	OTHER	Powered sailplane - ground impact - 1 person on board, 1 fatality.
21/05/2013	Germany	Beilngries	GLASFLUGEL - MOSQUITO	Loss of control during winch launching.
05/06/2013	Netherlands	Malden	GLASER DIRKS - DG808	Sailplane crashed during winch launch.
07/06/2013	France	LFFC - Mantes-Chérence	SCHLEICHER - ASW20	Cartwheel - glider overturn while take off.
08/06/2013	Croatia	Aerodrom Buševac	SCHEMPP HIRTH - STANDARD CIRBUS - 75	Sailplane crashed while flying to close to the ground. 1 person on board, 1 fatality, aircraft destroyed.
16/06/2013	France	Saint-Geniez (04)	SCHEMPP HIRTH - VENTUS 2C	Collision with terrain in a spiral descent, during competition.
25/06/2013	France	Curbans (04), France	GLASER DIRKS - DG800	Collision with terrain during a flight in mountainous terrain.
01/07/2013	Germany	Klippeneck, GERMANY	GLASER DIRKS - DG600M	Sailplane crashed during winch launch.
12/07/2013	Austria	Dobratsch sud Area "Roten Wand"	SCHLEICHER - ASW24 - E	Schleicher ASW24E - Loss of control on flight at low altitude. Aircraft crashed into a wooded area - 1person on board, 1 serious injury - aircraft destroyed.
24/07/2013	France	Montaigu (85)	CENTRAIR - 101	Collision with a power line during approach.
01/08/2013	France	Col de Vars (05), FRANCE	SCHLEICHER - ASK13	Collision with terrain during a mountain flight.

Local Date	State of Occurrence	Location	Aeroplane	Headline
01/08/2013	France	AD Angers Marcé (49), FRANCE	ROLLADEN SCHNEIDER - LS8	Collision with the ground during winching.
15/08/2013	Poland	Bezmiechowa Gorna	PZL SWIDNIK - PW6 - U	Sailplane crash during take-off - horizontal stabilizer separation.
18/08/2013	France	Barcelonette, nahe	SCHEMPP HIRTH - ARCUS E	Sailplane crashed in Mountains.
04/09/2013	Switzerland	Laax/ GR	OTHER	Powered sailplane collides with high terrain.
18/09/2013	France	Gréoux-les-Bains (04)	ROLLADEN SCHNEIDER - LS3	Sailplane collided with the ground.
28/10/2013	Poland	Bezmiechowa Gorna	PZL BIELSKO - SZD30	Sailplane hit a tree and crashed while flying a circuit pattern after take-off. 1 person on board, 1 fatality, aircraft destroyed.
17/11/2013	Poland	EPST	OTHER	Sailplane disintegration and crash while take-off.
03/04/2014	Austria	Hohe Wand	SCHLEICHER - ASH26 - E	Sailplane crashed into the terrain.
30/04/2014	France	LFMF - Fayence	SCHLEICHER - ASW20	Cartwheel - sailplane overturn while take-off.
28/05/2014	Italy	Alzate Brianza Airfield - LILB	OTHER - Not mapped	Alisport Silent 2 Electro - aircraft crashed into a wooded area at the end of the runway during the approach - 1 person on board, 1 fatality - aircraft destroyed.
01/06/2014	Poland	Pila	PZL BIELSKO - SZD41	Sailplane mid-air collision and crash.
06/06/2014	Czech Republic	LKKA 1km RAD 320 RWY 32	TECNAM - P92	Fall of ULL during a Glider Towing.
13/06/2014	Germany	Oppingen Airfield	GLASER DIRKS - DG1000	Sailplane crashed - 2 persons on board, 2 fatalities - aircraft destroyed.
10/07/2014	France	Eourres	SCHEMPP HIRTH - VENTUS 2CM	Loss of control during an altitude flight - right wing broke-off - aircraft crashed.
11/07/2014	Finland	Piikajärvi airfield (EFPI), Finland	PZL BIELSKO - SZD51 - 1	Sailplane crashed on the runway during towing - 1 person on board, 1 fatality - aircraft destroyed.
12/07/2014	Germany	Nieder-Werbe	ROLLADEN SCHNEIDER - LS4 - A	Sailplane crashed in mountainous area.
26/07/2014	Germany	Glider airfield Sultmer Berg, Northeim	ROLLADEN SCHNEIDER - LS4 - A	Sailplane stalled during winch launch.
26/07/2014	France	AD Puimoisson (04)	GROB - G103C - TWIN III SL - TWIN III SL	Loss of control on approach, aircraft crashed.
10/08/2014	Italy	localita Tassigano, Capannori, Lucca	GROB - G103C - TWIN ASTIR - TWIN III ACRO	Shortly after take-off, the left wing broke due to overload in the execution of an abrupt recovery from an aerobatic manoeuvre. The aircraft fell to the ground - 2 persons on board, 2 fatalities - aircraft destroyed.
12/08/2014	Italy	Acceglio (Cuneo)	GLASER DIRKS - DG200 - 17	Collision with terrain during a mountain flight - 1 person on board, 1 fatality - aircraft destroyed.
27/08/2014	France	Saint-André-d'Embrun (05)	SCHLEICHER - ASK13	Collision with terrain during a competition.

Local Date	State of Occurrence	Location	Aeroplane	Headline
20/09/2014	Greece	LGMG	GLASFLUGEL - MOSQUITO	Perhaps while unconscious a sailplane pilot approaching LGMG crashed inside the airport while other aircraft take-off was in progress.
30/11/2014	Namibia	Blumfelde	BINDER	The sailplane crashed after the left wing broke-up in flight - 2 persons on board, 2 fatalities - aircraft destroyed.
23/12/2014	Germany	Böslingen	OTHER	TMG crashed shortly after take-off.
06/04/2015	Sweden	10 km SSE Nikkaluokta	GROB - G103C - TWIN III SL - TWIN III SL	Loss of control during wave flight (in cloud), sailplane disintegration in flight. Pilot bailed out; the student was killed.
12/04/2015	Germany	Oschatz	SCHEIBE - LSPATZ 55	Wing hit the ground during take-off - the glider swerved and overturned.
29/04/2015	France	La Pierre	GLASER DIRKS - DG800	Breakage of airbrakes control during a mountain flight, autorotation, collision with terrain.
02/05/2015	Germany	Bad Münden, Bakede	SCHEMPP HIRTH - NIMBUS 3	Glider stalled and crashed into a forested area.
18/05/2015	Austria	Near Airfield Hohenems, Vorarlberg	GLASER DIRKS - DG300	Mid-air collision. One of the two aircraft crashed into the mountain rocks and caught fire. The other aircraft returned to the airfield and landed safely.
28/05/2015	Germany	Bartholomä	SCHEMPP HIRTH - JANUS	Glider crashed into the ground during a winch launch. 2 persons on board, 1 fatality, 1 serious injury, aircraft destroyed.
05/06/2015	Italy	East of Mount Paganella, at about 2 km away from Comune di Terlago (TN)	SCHEMPP HIRTH - VENTUS 2CM	Sailplane crashed on a mountain slope. 1 person on board, 1 fatality, aircraft destroyed.
07/06/2015	Hungary	LHEM	OTHER	Two sailplanes collided during approach. One Sailplane broke and crashed. 2 persons on board, 2 fatalities. The other glider managed to land.
01/07/2015	Switzerland	Klosters-Serneus/GR	ROLLADEN SCHNEIDER - LS8 - 18	Sailplane accident in Klosters-Serneus/GR. 1 person on board, 1 fatality, aircraft destroyed.
03/07/2015	Austria	Seitenstetten, NÖ	PILATUS - B4 - PC11	The sailplane hit the ground after an aerobatic manoeuvre. 1 person on board, 1 fatality, aircraft destroyed.
13/07/2015	France	Eyglis	PIPISTREL	Loss of control in flight, the sailplane collided with the ground.
02/08/2015	France	Saint-André	SCHEMPP HIRTH - VENTUS C	Collision with the mountain side. The sailplane wreckage has been found at 2700m of altitude.
03/08/2015	Croatia	Donji Lapac., area Kruga		Sailplane found crashed - 1 person on board, 1 fatal injury.
06/08/2015	Germany	Füssen	ROLLADEN SCHNEIDER - LS8	The sailplane lost control and crashed in a forested area. 1 person on board, 1 fatality, aircraft destroyed.

Local Date	State of Occurrence	Location	Aeroplane	Headline
06/08/2015	Romania	MUCHIA CHEII, Masivul Postavarul	OTHER	Aircraft crashed in a mountainous area. Wreckage found several months after the accident - 1 person on board, 1 fatality, aircraft destroyed.
11/08/2015	Poland	ATZ EPPL	PZL BIELSKO - SZD50 - 2	Sailplane collided with a winch cable and crashed. 2 persons on board, 2 fatalities, aircraft destroyed.
11/08/2015	France	Embrun	ROLLADEN SCHNEIDER - LS1	Sailplane collided with trees and crashed to the mountain. 1 person on board, 1 fatality, aircraft destroyed.
12/08/2015	Italy	Col FERRET	SCHEMPP HIRTH - ARCUS M	Powered sailplane crashed against a mountain slope. 2 persons on board, 2 fatalities, aircraft destroyed.
20/08/2015	Germany	Purkshof	GLASER DIRKS - DG100	Sailplane disconnected the rope during towing and crashed on the runway. 1 person on board, 1 fatality, aircraft destroyed.
23/08/2015	Spain	near LEZL (SVQ): Sevilla	PIPISTREL	Pilot incapacitation in flight - Passenger took the controls - Aircraft crashed and caught fire. 2 persons on board, 1 fatality, 1 serious injury.
24/09/2015	Norway	Hatten mountain, Lesja municipality	SCHLEICHER - ASW24	Sailplane crash - pilot jumped out too close to the ground. 1 person on board, 1 fatality, substantial damage.
26/09/2015	Denmark	5 km øst for EKRS: Ringsted	SCHLEICHER - ASW24	From level flight the aircraft suddenly pitched nose down and hit the ground in a steep nose down attitude. The pilot died and the sailplane was destroyed.
03/10/2015	Poland	Miedzybrodzie Zywieckie	PZL BIELSKO - SZD48 - 3	Sailplane entered spin after a long flight and crashed. 1 person on board, 1 fatality, aircraft destroyed.
13/12/2015	Germany	Koblenz-Winningen	OTHER	Powered sailplane collided with a communication tower during a flight in fog. 2 persons on board, 2 fatalities, substantial damage.
24/12/2015	Namibia	Stryfontein Farm	SCHEMPP HIRTH - VENTUS CM	Powered sailplane crashed, no details available. 1 person on board, 1 fatality, substantial damage.
03/01/2016	Germany	Near Kamp Lintfort Airfield (EDLC)	DIAMOND - HK36 - R	Aircraft crashed during a go-around - 1 person on board, 1 fatality.
26/03/2016	France	Seillans	OTHER - Generic	Pilot incapacitated due to a medical condition, Collision with trees and terrain.
03/04/2016	Austria	Kötschach Mauthen	GLASER DIRKS - DG400	Sailplane crashed into a mountain - 1 person on board, 1 fatality.
03/04/2016	Austria	3,3 km North from LOGL - Lanzen-Turnau	SPORTINE AVIACIJA - LAK19	Sailplane entered spin and crashed into terrain. 1 person on board - 1 fatality.
16/04/2016	Poland	EPST	PZL BIELSKO - SZD9	Sailplane crashed into the ground after winch cable was released. 1 person on board, 1 fatality.
20/04/2016	Slovakia	Lysá Polana	SCHLEICHER - ASW27 - 18E	Competition flight - loss of height below safe altitude - abrupt manoeuvre - The aircraft stalled and crashed with a nose down attitude. 1 person on board, 1 fatality.

Local Date	State of Occurrence	Location	Aeroplane	Headline
03/05/2016	Germany	Bautzen	PIK - PIK20E - NO SERIES EXISTS	Crash on approach during glider competition. 1 person on board, 1 fatality, substantial damage.
04/05/2016	Slovenia	Near Airport LJSG	GLASER DIRKS - DG800	Sailplane accident. Suspected pilot incapacitation. 1 person on board, 1 fatality.
21/05/2016	Switzerland	Montricher LSTR	GLASER DIRKS - DG400	Sailplane collides with trees and crashes. 1 person on board, 1 fatality.
29/05/2016	Germany	Rhede/Emsland	LET - L23	Sailplane crashed into a field under unknown circumstances. 2 persons on board, 1 fatality.
19/06/2016	Germany	Bramsche	SCHEMPP HIRTH	Loss of control during approach causing the aircraft to enter spin. 1 person on board, 1 fatality.
22/06/2016	France	Authon	SCHEMPP HIRTH	Loss of control followed by collision with terrain - during training flight en-route. 2 persons on board, 1 fatality, 1 serious injury.
06/07/2016	Switzerland	Lenk/BE	GLASER DIRKS - DG800	Sailplane collides with elevated terrain. 1 person on board, 1 fatality.
09/08/2016	Germany	Lüsse	SCHLEICHER - ASW27	Sailplane fell to the ground during winch launch take-off. 1 person on board, 1 fatality.
27/08/2016	France	Sauto	SPORTINE AVIACIJA - LAK17 - A	Collision with a cable/wire followed by crash. 1 person on board, 1 fatality.
10/09/2016	Germany	Großrückerswalde	SCHLEICHER - ASK21	Two aircraft -glider and an ultralight collided close to the threshold. Pilot of the ultralight died.
14/09/2016	Switzerland	L'Isle	BINDER - EB29 - D	Sailplane lost control entered a vertical dive and crashed.
19/03/2017	France	Le Vernet	GLASER DIRKS - DG1000 - M	Collision with trees and ground. 2 persons on board, 1 fatality, 1 serious injury.
29/03/2017	France	LFLE - Chambéry / Challes-les-Eaux	SPORTINE AVIACIJA - LAK17 - A	Sailplane crash during winch launch take-off. 1 person on board, 1 fatality.
08/04/2017	Germany	Eschbach	SCHLEICHER - ASW24 - E	Sailplane Crashed into Industrial Area. 1 person on board, 1 fatality.
12/04/2017	France	Valdeblore	SCHLEICHER - ASW22	Sailplane lost control - rolled onto its side and crashed into the ground. 1 person on board, 1 fatality.
03/05/2017	Poland	EPJL	PZL BIELSKO - SZD30	Sailplane made a steep climb then rolled and crashed during a winch launch. 1 person on board, 1 fatality.
06/05/2017	Germany	Mannheim	SPORTINE AVIACIJA - LAK17	Sailplane spin shortly after release from winch-launch followed by crash. 1 person on board, 1 fatality, aircraft destroyed.
14/05/2017	France	near LFDH - Auch Gers	SCHEMPP HIRTH - CIRRUS	Loss of control at low height during a low turn speed and near the terrain. 1 person on board, 1 fatality, aircraft destroyed.
20/05/2017	Hungary	Nyíregyháza	PZL BIELSKO - SZD30	Sailplane crash for unknown reasons. 1 person on board, 1 fatality, aircraft destroyed.
10/06/2017	Italy	Riva Valdobbia (VC)	GLASFLUGEL - MOSQUITO	Sailplane collided with terrain below mountain tip. 1 person on board, 1 fatality, aircraft destroyed.

Local Date	State of Occurrence	Location	Aeroplane	Headline
11/06/2017	Italy	Novi Ligure	OTHER	Sailplane lost wing during aerotow and crashed in city centre. 1 person on board, 1 fatality, aircraft destroyed.
15/06/2017	Austria	near Karlhöhe	GLASER DIRKS - DG600	Sailplane lost control and crashed in a mountainous area. 1 person on board, 1 fatality, aircraft destroyed.
16/06/2017	Hungary	LHTL	SCHEIBE - SF25 - C	Motorized sailplane lost control and crashed during emergency training exercise. 2 persons on board, 2 fatalities, aircraft destroyed.
18/06/2017	Germany	Purkshof	GROB - G102 - ASTIR CS	Wing tip of the sailplane hit ground during winch launch causing it to overturn. 1 person on board, 1 fatality.
24/06/2017	Germany	Bartholomä-Amalienhof	GROB - G103 - TWIN ASTIR	Sailplane lost control while searching for lift and fell to the ground. 1 person on board, 1 fatality.
13/07/2017	Hungary	Pirtó	SCHLEICHER - ASW27 - 18E	Sailplane crashed due to loss of control. 1 person on board, 1 fatal injury.
17/07/2017	France	LFOV (LVA): Laval Entrammes	CENTRAIR - 101 - A	Sailplane impacted the ground during winch launch take-off. 1 person on board, 1 fatality, aircraft destroyed.
04/08/2017	Germany	Rädicke	SCHLEICHER - ASW24 - E	Sailplane was found crashed on a field. Loss of control suspected. 1 person on board, 1 fatality.
13/08/2017	Switzerland	Villavolar	GLASER DIRKS - DG800B	The glider crashed onto a steep pasture and was destroyed upon impact. 1 person on board, 1 fatality.
27/08/2017	Croatia	Sinj - Kamešnica	GROB - G103 - TWIN ASTIR	Sailplane crashed below a mountain ridge. 2 persons on board, 1 fatality, 1 seriously injured.
30/08/2017	Poland	EPBC Warszawa Babice / ATZ EPBC	PZL BIELSKO - SZD50 - 3 ROLLADEN SCHNEIDER - LS8	Sailplane accident (crash) – spin after the safety latch of the winch cable broke while winch launching.
10/09/2017	Germany	Hockenheim	ROLLADEN SCHNEIDER - LS8 - 18	Sailplane stalled during winch launching. 1 person on board, 1 fatality.
14/10/2017	Switzerland	Davos/GR	ROLLADEN SCHNEIDER - LS8 - 18	Sailplane crashed at ca 2 500 meters of altitude in mountainous area. Cause unknown. 1 person on board, 1 fatality.
02/04/2018	Germany	Metzingen	SCHLEICHER - ASK13	Sailplane lost control and crashed into a forest after a winch launch failure. 2 persons on board, 1 fatality, 1 serious injury.
17/04/2018	France	AD Florac-Sainte Enimie	CENTRAIR - SNC34C	Sailplane entered spin in flight followed by crash. 1 person on board, 1 fatality.
27/05/2018	Germany	Reichenbuch	GLASER DIRKS - DG800	Powered sailplane crashed shortly after take-off, 1 person on board, 1 fatality, aircraft destroyed.
10/06/2018	Italy	Località le Piaie - Belluno	ISF - MISTRAL - C	Sailplane crashed in mountainous area for yet unknown reason. 1 person on board, 1 fatal injury.
23/06/2018	Austria	LOSM: Mauterndorf Airfield	PILATUS - B4 - PC11AF	Sailplane crashed during winch launch take-off, 1 person on board, 1 fatality, aircraft destroyed.

Local Date	State of Occurrence	Location	Aeroplane	Headline
03/07/2018	Poland	Lupiny	PZL BIELSKO - SZD9	Sailplane crashed while turning on final, 2 persons on board, 1 fatality, 1 serious injury, aircraft destroyed.
08/07/2018	Switzerland	Mettligrat (VS)	SCHEMPP HIRTH - DISCUS 2C	Sailplane lost control and collided with terrain. 1 person on board, 1 fatality, aircraft destroyed.
19/07/2018	Germany	Oberammergau	ROLLADEN SCHNEIDER - LS7	Sailplane crashed into mountain after flying close to it and entering turbulence. 1 person on board, 1 fatality, aircraft destroyed.
02/08/2018	France	Thones	ROLLADEN SCHNEIDER - LS4	Collision with elevated terrain due to medical incapacitation. 1 person on board, 1 fatality, aircraft destroyed.
08/08/2018	Poland	M. Klików	OTHER	Sailplane accident - missing thermal lift and colliding with trees. 1 person on board, 1 fatality, aircraft destroyed.
11/08/2018	Germany	Braunschweig - Waggum	SCHLEICHER - KA6 - CR	Blocked aileron - glider spin and crash. 1 person on board, 1 fatality, aircraft destroyed.
12/08/2018	France	Orcières	SCHLEICHER - ASH25M	Sailplane collided with the ground Circumstances unknown. 1 person on board, 1 fatality, aircraft destroyed.
19/08/2018	France	AD Colmar Houssen	AEROSPOOL - WT9	Loss of control of the tug ULM during take-off in glider tow, collision with runway, fire. 1 person on board, 1 fatality.
26/08/2018	France	Frontenas	SCHLEICHER - ASW17	Loss of control in flight, collision with the ground. 1 person on board, 1 fatality.
11/09/2018	Switzerland	Bedretto/TI	IAR BRASOV - IS28M2 - GR	Sailplane crashes in mountainous area due to unknown reasons. 1 person on board, 1 fatality.
29/09/2018	Czech Republic	Lenešice near Louny	SCHEMPP HIRTH - STANDARD CIRRUS - NO SERIES EXISTS	Sailplane lost control and span to the ground. 1 person on board, 1 fatality, aircraft destroyed.
30/09/2018	Germany	EDLE (ESS): Essen/Mulheim	SCHLEICHER - ASK18	Sailplane crashed on approach for unknown reasons. 1 person on board, 1 fatality, aircraft destroyed.
05/10/2018	Germany	on approach to EDFK: BAD KISSINGEN	DIAMOND - HK36 - R	Sailplane crashed on approach due to unknown reasons. 1 person on board, 1 fatality, aircraft destroyed.
08/12/2018	Spain	LEFM: Fuentemilanos (Segovia)	GROB - G103A - TWIN ASTIR - TWIN II ACRO	Aircraft on final approach collided with another aircraft standing on ground. One person on the ground was fatally injured.
17/03/2019	Italy	Montecchio-Podere S.Apollonia airfield	ROLLADEN SCHNEIDER - LS1 - D	Sailplane crashed during winch-launch. 1 person on board, 1 fatality, aircraft destroyed.
24/03/2019	Germany	EDST: Hahnweide	SPORTINE AVIACIJA - LAK17 - B FES	Aircraft stalled and crashed during a winch launch. 1 person on board, 1 fatality, aircraft destroyed.
24/03/2019	Spain	LEIG: Igalada-Odena (Barcelona)	GLASER DIRKS - DG800 - B	Engine failure during the initial climb. Powered sailplane stalled and crashed. 1 person on board, 1 fatality, aircraft destroyed.
13/04/2019	France	Avize	ROLLADEN SCHNEIDER - LS8 - 18	Sailplane loss of control and crash.

Local Date	State of Occurrence	Location	Aeroplane	Headline
22/04/2019	Germany	Leck	ROLLADEN SCHNEIDER - LS7 - WL	Unexpected rope release during winch launch. Glider entered spin and crashed. 1 person on board 1 Fatality. Aircraft destroyed.
03/05/2019	Norway	Grinder	SCHLEICHER - ASH31 - MI	Sailplane lost control during a soaring competition. 1 person on board, 1 fatality, aircraft destroyed.
08/05/2019	Czech Republic	Roundabout near Hranice n. M.	SCHEMPP HIRTH - CIRRUS	Sailplane crashed due to loss of control. 1 person on board, 1 fatality, aircraft destroyed.
02/06/2019	Germany	EDBY: Schmoldow	PZL BIELSKO - SZD36 - A	Sailplane lost control and crashed. 1 person on board, 1 fatality, aircraft destroyed.
08/06/2019	Poland	EPNT	PZL BIELSKO - SZD50	Sailplane accident - collision with motorcycle. 1 person on board, 1 fatality, substantial damage.
15/06/2019	Poland	Szczury	PZL BIELSKO - SZD48 - 1	Sailplane crash during attempted off-airfield landing. 1 person on board, 1 fatality, aircraft destroyed.
16/06/2019	Germany	Hahnweide	SCHEMPP HIRTH	Sailplane crashed into terrain due to unknown reasons. 1 person on board, 1 fatality, aircraft destroyed.
23/06/2019	Switzerland	Sex Noir mountain	SCHLEICHER - ASG32	Sailplane crashed into mountains. 1 person on board, 1 fatality, aircraft destroyed.
02/07/2019	Germany	Lüsse	SCHLEICHER - ASW20L	Sailplane lost control crashed into a field. Possible medical incapacitation. 1 person on board, 1 fatality, aircraft destroyed.
11/07/2019	Czech Republic	LKDK	GROB - SPEED ASTIR IIB - NO SERIES EXISTS	Loss of control during landing - fall of glider.
16/07/2019	France	Valernes	GLASER DIRKS - DG1000 - T	Aircraft crashed in mountainous terrain. 2 persons on board, 2 fatalities, aircraft destroyed.
28/07/2019	Denmark	EKTO: Tølløse	SCHEMPP HIRTH - DISCUS B	Broken winch cable; sailplane spin on final approach. 1 person on board, 1 fatality, aircraft destroyed.
30/07/2019	Germany	between Rickenbach and Altenschwand, Baden-Württemberg	GLASFLUGEL - HORNET	A sailplane crashed onto a local road during thermal flight instruction.
11/08/2019	Czech Republic	LKHB: Havlíckuv Brod	SCHLEICHER - ASW19 - B	Loss of control during take-off tow of sailplane. 1 person on board, 1 fatality.
13/08/2019	Czech Republic	SW part of Trutnov	ORLICAN	Mid-air collision of sailplanes. 1 fatality and aircraft destroyed.
25/08/2019	France	Romilly sur Seine	OTHER	Loss of control after take-off - aircraft crashed.
31/08/2019	Spain	LEMX: La Mancha	GROB - SPEED ASTIR II	Sailplane crash during take-off. 1 person on board, 1 fatality, aircraft destroyed.
01/09/2019	Austria	Priel, Wolfsberg	PZL BIELSKO - MDM1	Elevator problems in aerobatic flight - PIC bailed-out, PAX too late. 2 persons on board, 1 fatality, 1 serious injury.
11/09/2019	France	take-off from LFIX: Itxassou	COMCO IKARUS - IKARUS C42	Tow airplane failure on take-off - sailplane forced landing, airplane crash. 1 fatality.

Local Date	State of Occurrence	Location	Aeroplane	Headline
13/09/2019	France	Saint Pons	SCHLEICHER - ASH26 - E	Sailplane lost control during soaring and crashed in mountainous area. 1 person on board, 1 fatality, aircraft destroyed.
19/09/2019	Germany	near Boberg airfield	SCHEMPP HIRTH - DISCUS 2CT	Sailplane crashed due to unknown reasons. 1 person on board, 1 fatality, aircraft destroyed.
12/10/2019	Czech Republic	Vrbno pod Pradedem	PZL BIELSKO - SZD42 - 2	Sailplane disintegration in flight and crash. 1 person on board, 1 fatality, aircraft destroyed.
15/10/2019	France	Pic Saint Loup	ROLLADEN SCHNEIDER - LS7	Collision with terrain in flight on a slope. 1 person on board, 1 fatality.
26/10/2019	Spain	Meranges	SCHEMPP HIRTH - VENTUS C	Sailplane crashed into a mountainous area while searching for thermals. 1 person on board, 1 fatality, damage unknown.
03/11/2019	Czech Republic	Ludvikov	SCHLEICHER - ASW19 - B	Sailplane disintegration in flight and crash. 1 person on board, 1 fatality, aircraft destroyed.
27/05/2020	Austria	A-6370 Kitzbühel	SCHEMPP HIRTH - DISCUS 2CT	Crash of a sailplane in steep terrain.
30/05/2020	Germany	Günzburg	SCHEIBE - ZUGVOGEL - III - IIIA	Sailplane impacted to the ground after interrupted aircraft towing.
01/06/2020	Germany	Fulda-Johannisau	SCHLEICHER - ASW28	Sailplane with auxiliary power stalled and hit the Ground. After the impact the aircraft caught fire.
11/07/2020	Germany	Dülmen	ROLLADEN SCHNEIDER - LS4 - B	Airborne collision between two aircrafts.
12/07/2020	Netherlands	EHGR (GLZ) : Gilze-Rijen	GLASER DIRKS - LS8 - 18	Loss of control after cable release - crash.
19/07/2020	France	Saint-Doulchard	GROB - G103 - TWIN ASTIR - TWIN II	Loss of control inflight and crash.
07/08/2020	Germany	EDNW: WEISSENHORN	ROLLADEN SCHNEIDER - LS4	Airborne collision between sailplane and a powered sailplane.
08/08/2020	Belgium	EBTN: Goetsenhoven	SCHEMPP HIRTH - NIMBUS 4DM	Loss of control on approach - Aircraft crashed.
15/08/2020	Italy	Rima San Giuseppe (Vercelli)	GLASER DIRKS - DG800 - B	Sailplane crashed into a mountainside. 1 person on board, 1 fatality, aircraft destroyed.
19/08/2020	France	Saint André les Alpes	SCHEMPP HIRTH - VENTUS 2C	Aircraft collided with high terrain.
31/08/2020	France	LFID: Condom Valence-Sur-Baïse	OTHER	Crash on initial climb.
12/09/2020	Switzerland	Col du Mollendruz	CENTRAIR - 101 - A	Crash after tow rope release.
11/10/2020	Spain	LEAX : La Axarquia-Leoni Benabu (Malaga)	SCHEIBE - SF25 - B	Incapacitation of pilot in-flight.

Local Date	State of Occurrence	Location	Aeroplane	Headline
07/03/2021	Spain	LETI: Tiétar Aerodrome	SCHLEICHER - ASK13	Glider lost control while winch take-off. Cable prematurely released. 2 persons on board, 2 fatalities.
08/05/2021	Germany	Horn Bad Meinberg	ROLLADEN SCHNEIDER - LS4	Glider crashed. 1 person on board, 1 fatality.
16/05/2021	Germany	Dingel	SCHLEICHER - ASW24	Loss of control resulted in a crash. 1 person on board, 1 fatality.
29/05/2021	Denmark	approach to ETKO	GROB - G102	Turn into tailwind at low altitude and at a low airspeed led to an unrecoverable spin.
12/06/2021	Switzerland	Bivio	SCHLEICHER - ASW27	Probable mid-air collision between a sailplane and a Robin DR400, 5 persons on board, 5 fatalities.
23/06/2021	Germany	Eschwege	GROB - G103	Crash on runway. 2 persons on board, 2 fatalities.
22/07/2021	Switzerland	Conthey	ALISPORT - SILENT 2	Glider with electric motor crashed into a steep slope during cross country flying. 1 person on board, 1 fatality.
02/08/2021	France	Approach to LFTM: Serres, La Bâtie-Montsaléon	SPORTINE AVIACIJA - LAK17	Loss of control on approach, collision with ground.
08/08/2021	Italy	Val di Fua, Cartore, Rieti	LANGE - SCHEMPP HIRTH - DISCUS 2A	Loss of control in flight then impact with the terrain.
25/08/2021	Germany	Oerlinghausen		Mid-air collision of two gliders resulting in 1 fatality.
10/10/2021	Poland	EPWK: Włocławek-Kruszyn	PZL BIELSKO - SZD30	Glider crashed while winch due to loss of lateral balance. 1 person on board, 1 fatality.
13/10/2021	France	Bordes-de-Rivière	GLASER DIRKS - DG600M	Glider crashed into terrain after disconnection from the tug microlight
14/03/2022	Italy	Gresonnay	GLASER DIRKS	Collision with terrain, one fatality
06/04/2022	Austria	Schoberspitz (Reißeck)	SCHEMPP HIRTH	Collision with ground, one fatality
11/04/2022	Germany	Oerlinghausen	OTHER	Uncontrolled attitude due to reported steering problems
12/04/2022	Italy	Monte Luta	SCHEMPP HIRTH	Collision with terrain, two fatalities
14/04/2022	Italy	Gressoney, Vallée d'Aoste	GLASER DIRKS	Sailplane crashed on mountainous terrain.
22/05/2022	Switzerland	Crêta Besse/VS	GLASER DIRKS	Glider collides with high terrain
25/05/2022	Germany	Wershofen	ROLLADEN SCHNEIDER	Loss of control during thermal soaring flight, respectively off-field landing
28/05/2022	Switzerland	900 m south-southwest of the Crêta Besse	GLASER DIRKS	The self-launching DG-800 B crashed into steep terrain while gliding on a slope.
05/06/2022	Poland	Górki near Mielec	OTHER	Motorglider crashed resulting in two fatalities
10/06/2022	Germany	Schonach	GLASER DIRKS	Aircraft crashed in a forested area. 1 POB. 1 fatality.
11/06/2022	Switzerland	Montricher (VD)	GLASER DIRKS	Sailplane accident, one fatality
22/06/2022	Netherlands	EHTL : Terlet	ROLLADEN SCHNEIDER	The glider crashed during the winch launch.
29/06/2022	Netherlands	Terlet	ROLLADEN SCHNEIDER	Loss of control resulting in one fatality
16/07/2022	Germany	Weipertshofen	SCHLEICHER	Glider crashed near Landing strip

Local Date	State of Occurrence	Location	Aeroplane	Headline
20/07/2022	Italy	LIMA Valle di Susa	OTHER	Sailplane accident, one fatality
20/07/2022	Italy	Melezet - Bardonecchia (TO)	SPORTINE AVIACIJA	Sailplane crash on mountainous terrain.
25/07/2022	Italy	Asiago	PIK	Collision with terrain, one fatality
01/08/2022	Czech Republic	LKNM	ORLICAN	A glider span to the ground and crashed
02/08/2022	Czech Republic	Road between Osek and Rokycany	PZL BIELSKO	Glider crashed into a back of vehicle on the road.
06/08/2022	Belgium	EBTY : Maubray	SCHLEICHER	Glider stalled while winch take-off.
12/08/2022	Germany	Böttingen	GROB	Midair collision.
16/08/2022	France	Gruffy	SCHEMPP HIRTH	Collision with trees.
16/08/2022	Switzerland	Giétro glacier	GLASER DIRKS	The glider crashed onto the glacier.
25/08/2022	France	Depuis AD Albertville	SCHEMPP HIRTH	Collision with the ground after takeoff
26/08/2022	Germany	Lübbrechtsen	SCHEIBE	Crash into house
05/09/2022	Germany	Gelnhausen	OTHER	Loss of vertical control due to error in elevator connection
23/10/2022	Poland	EPRU near	PZL BIELSKO	Glider damaged after emergency release.
30/10/2022	Italy	Colle val d'Elsa	SCHLEICHER	Glider struck person on landing, one fatality.
07/11/2022	Italy	Nearby airfield "Alfina" (TR)	PZL BIELSKO	Glider crashed on the ground during downwind for landing

Aerodromes and ground handling

Local Date	State of Occurrence	Location	Aeroplane	Headline
05/05/2012	France	Buno Bonnevaux aerodrome (91)	PIPER - PA25 - 235, SLINGSBY - T31	Mid-air collision between a sailplane and an aeroplane above the runway.
11/11/2012	Italy	LIRF: Roma Fiumicino	AIRBUS - A320	Loading crew caught between loader and baggage door.
10/12/2012	Cyprus	LCLK: Larnaca	CESSNA - 750	A service vehicle struck the right wingtip, vehicle driver trapped.

ATM/ ANS

For ATM/ANS domain no fatal accidents registered. The data cannot be compared with the one published in previous ASR as the scope for this domain this year now focuses only on accidents with an ATM/ANS contribution.

Appendix 2

Advanced statistics for aeroplanes

This appendix covers the advanced statistics for aeroplanes involved in:

- Commercial air transport (CAT) and non-commercial operations with complex aeroplanes (section 1),
- Commercial air transport (CAT) operations with other than complex aeroplanes (section 2),
- Specialised operations (SPO) (section 3), and
- Non-commercial operations with other than complex aeroplanes (section 4).

Section 1 and Section 4 outlines the safety issues that have been identified from occurrence data and are provided per type of operations. Safety issues are safety deficiencies related to one or more hazards and are the manifestation of a hazard or combination of several hazards in a specific context. In terms of safety performance, the safety issues are the Tier 2+ SPIs and are prioritised based on their aggregated risk contribution using the European Risk Classification Scheme (ERCS). The occurrences related to the individual safety issues are identified by mapping event types in the European Co-ordination Centre for Accident and Incident Reporting Systems (ECCAIRS) taxonomy to each safety issue.

All sections provide then an overview of the human factors (HF) and human performance (HP) issues, as well as an overview of the airworthiness issues for the different types of operations.

The term HF describes human characteristics, abilities, and limitations. The knowledge of HF is used throughout the aviation industry to design systems, equipment and work in ways that support humans in performing at their best. HP refers to how people perform their tasks. Following safety occurrences, HF and HP knowledge can also be used diagnostically to better understand what went wrong, what went right and, more importantly, to understand how to prevent such occurrences from happening again. Within the EASA occurrence data, HF and HP have been identified as having contributed to accidents and serious incidents, based on information derived from investigation reports. The same ECCAIRS taxonomy that helps us to identify our safety issues and key risk areas also provides us with HF and HP codes. This taxonomy groups event types at different levels, so that all the issues relating to personnel are grouped at the highest level into 'personnel'. The personnel issues are then further subdivided into four categories: experience and knowledge events, physiological events, situational awareness and sensory events, and personnel task performance events. A further two levels of subdivision exist, providing increasing granularity on the type of HF or HP issues identified.

The term airworthiness includes aircraft design, aircraft production, and aircraft maintenance. Within the EASA occurrence data, airworthiness is identified as having contributed to accidents and serious incidents, based on information derived from investigation reports. The attribute 'event type' in the ECCAIRS taxonomy allows regulators and industry to code the causes and contributing factors to accidents and serious incidents. The first level of airworthiness analysis shows the contribution of aircraft system loss and malfunction to accidents and serious incidents, including the distribution of the main Air Transport Association (ATA) chapters. The second level of analysis goes a step further, showing the contribution of design, production, and maintenance to aircraft system loss and malfunction, i.e., highlighting the systemic root cause of a system or equipment failure.

1 Advanced statistics for commercial air transport complex aeroplanes and non-commercial complex aeroplanes

This section provides the safety issues identified from occurrence data, an overview of the HF and HP issues, as well as an overview of the airworthiness issues, for CAT complex aeroplanes and non-commercial complex (NCC) aeroplanes.

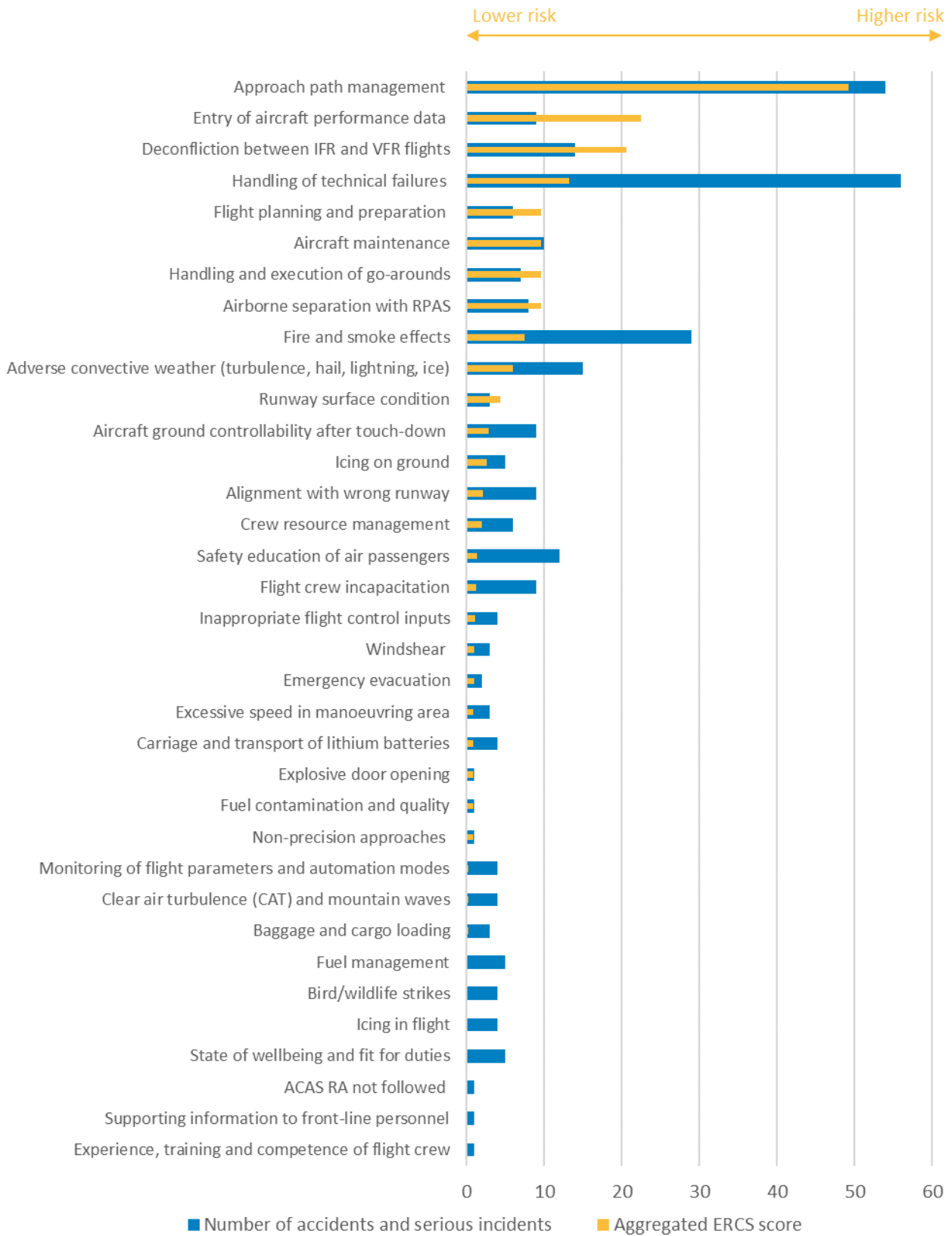
Safety issues identified from occurrence data

CAT operations with complex aeroplanes, and NCC aeroplanes operations, are covered by a single portfolio due to the similarity of the safety issues for these operation types, as well as the small amount of data available for NCC. The safety issues identified hereafter are solely derived from occurrence data from the EASA occurrence repository and the ECR. The portfolio covers a 5-year period (2018-2022).

Appendix 2 Figure 1 shows both the number of occurrences and the risk score per safety issue. In this case, the aggregated ERCS score is not considered a complete risk indicator. This is because the finer granularity of the safety issue renders this indicator more vulnerable to the reactivity of the data type used (only accidents and serious incidents).

The most prominent change for safety issues since the last year's review is that approach path management, and entry of aircraft performance data safety issues have increased in terms of aggregated ERCS score in comparison with the previous 5-year period result and have shifted down the deconfliction between IFR and VFR flights, at the same time retaining the same top three safety issues in the data portfolio. These are safety issues that are among the Agency's priorities in assessing and proposing mitigating measures through the European SRM process.

Another safety issue to highlight is an increase in the aggregated ERCS score for handling and execution of go-arounds that is now the seventh highest, making an increase from the 29th in last year's ASR edition. This was associated with some events where the flight crew had difficulties in controlling the aircraft after go-around or descending under minimum safe altitude after the go-around.

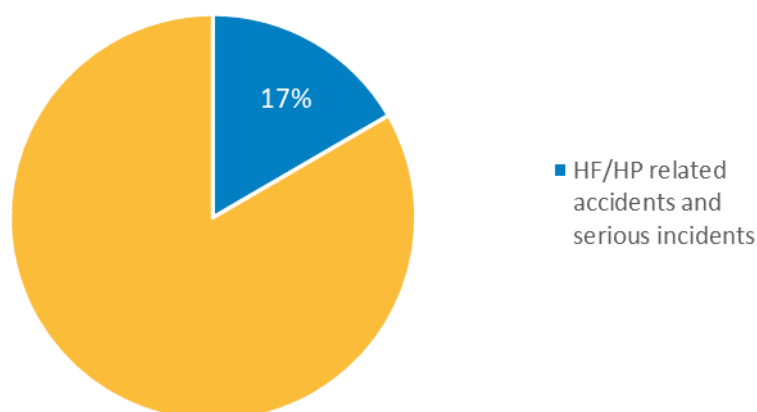


Appendix 2 Figure 1 Safety issues by aggregated ERCS score and numbers of accidents and serious incidents involving CAT complex aeroplanes and NCC aeroplanes

Human factors and human performance

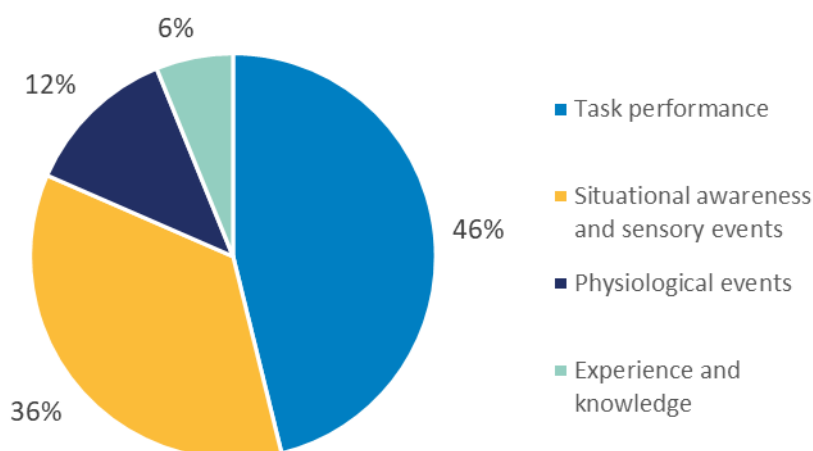
Human factors and human performance for commercial air transport complex aeroplanes

In the period between 2018 and 2022 out of 375 CAT complex aeroplanes accident and serious incident reports, 65 identify HF or HP issues as identified in Appendix 2 Figure 2.



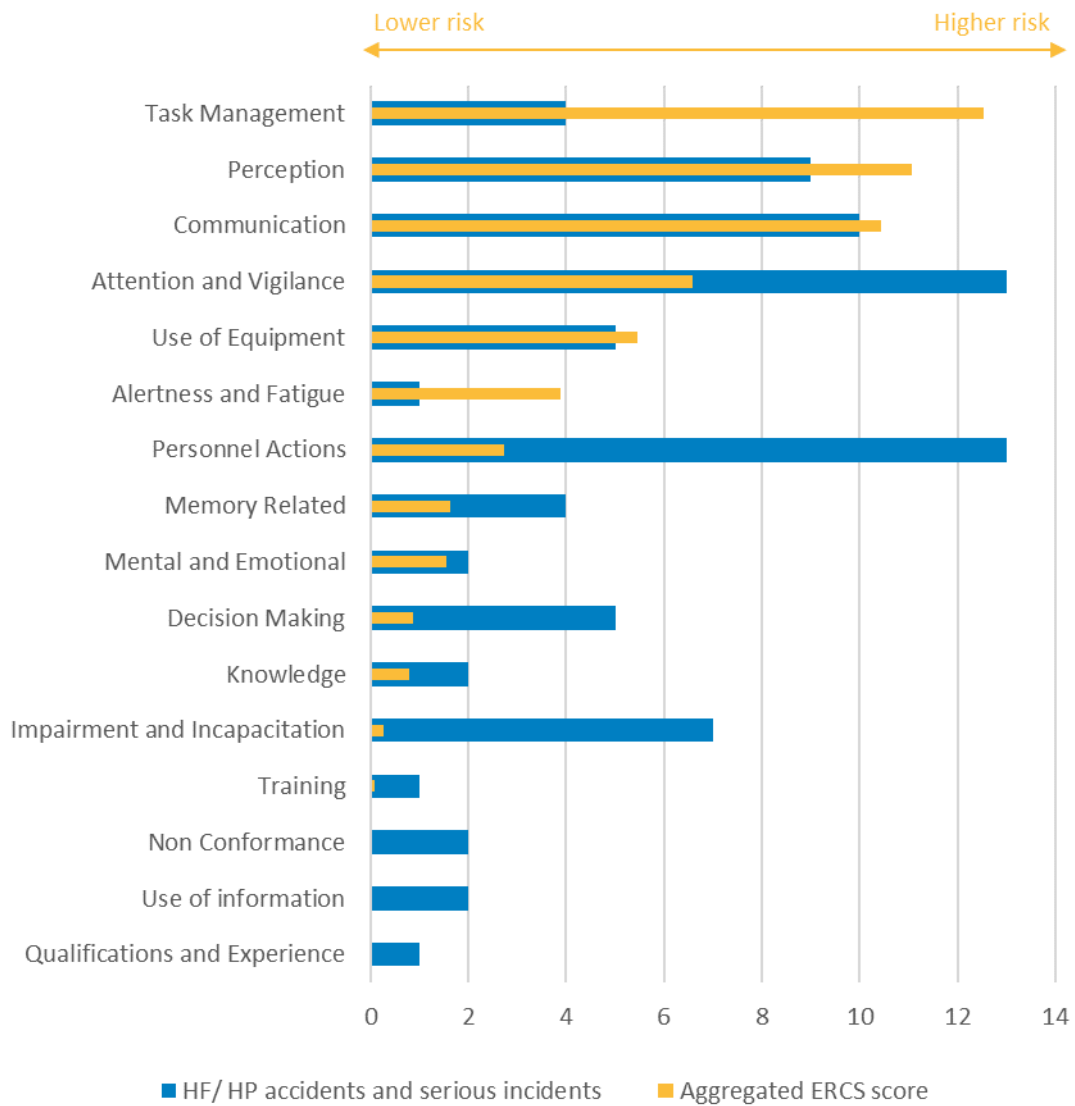
Appendix 2 Figure 2 HF and HP accidents and serious incidents involving CAT complex aeroplanes

The application of HF or HP codes at a high level can be seen in Appendix 2 Figure 3. Clearly, task performance and situational awareness issues are more easily diagnosable following an accident or serious incident than the factors that cause them, such as physiological or experience and knowledge events.



Appendix 2 Figure 3 High-level HF and HP event codes applied to accidents and serious incidents involving CAT complex aeroplanes

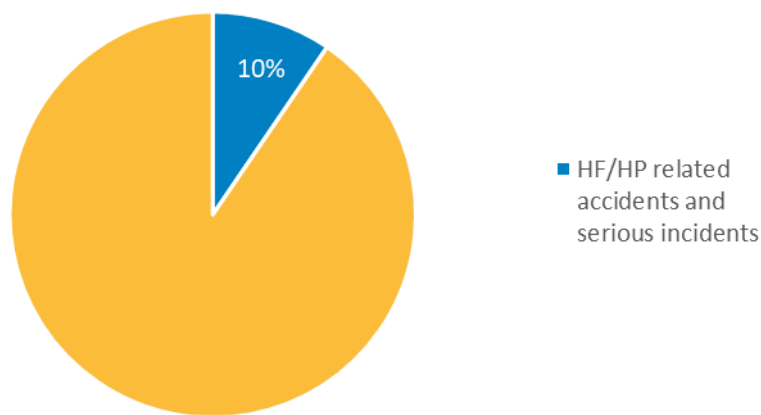
Appendix 2 Figure 4 compares the number of accidents and serious incidents with the aggregate ERCS risk score of those occurrences, using detailed HF and HP event codes. Some types of events have a greater risk than others, as indicated where the aggregated risk score is far higher than the number of accidents and serious incidents. In particular, whereas accidents and serious incidents related to attention and vigilance and to personnel actions are quite common, their aggregated risk is much lower when compared to events involving task management and perception, which have a much higher aggregated risk score.



Appendix 2 Figure 4 Detailed HF and HP event codes by aggregated ERCS score and numbers of accidents and serious incidents involving CAT complex aeroplanes

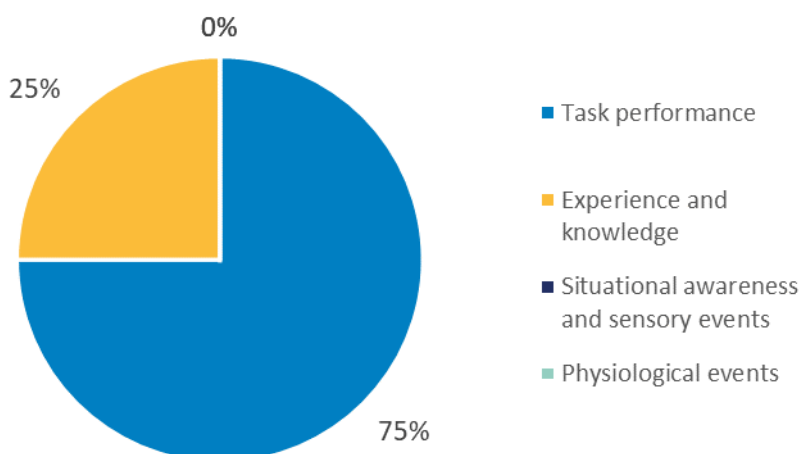
Human factors and human performance for non-commercial complex aeroplanes

Four out of 42 accident and serious incident reports involving NCC aeroplanes identify HF or HP issues Both HF and HP issues are labelled as personnel occurrences in the ECCAIRS taxonomy. The figure for the period 2018-2022, as shown in Appendix 2 Figure 5, is likely to increase, since HF or HP issues are often not recorded within accident and serious incident reports until the final report is published.



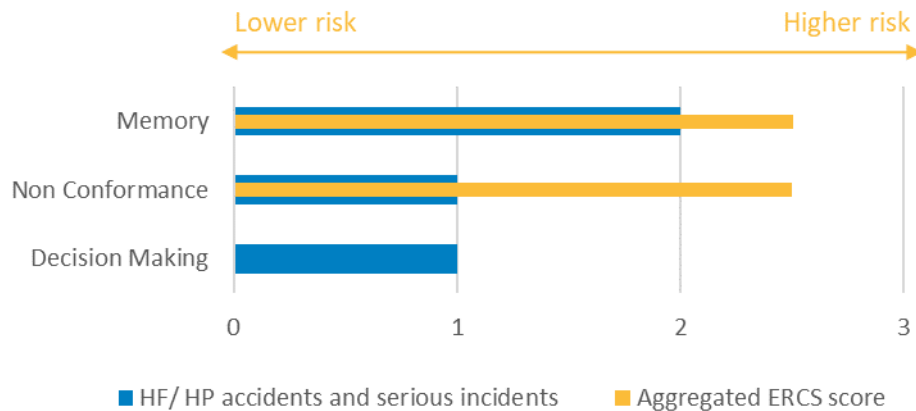
Appendix 2 Figure 5 HF and HP accidents and serious incidents involving NCC aeroplanes

The application of HF or HP codes at a high level can be seen in Appendix 2 Figure 6. Clearly, task performance issues are more easily diagnosable following an accident or serious incident than the factors that cause them, such as knowledge events.



Appendix 2 Figure 6 High level HF and HP event codes applied to accidents and serious incidents involving NCC aeroplanes

Appendix 2 Figure 7 compares the number of accidents and serious incidents with the aggregate ERCS risk score of those occurrences, using detailed HF and HP event codes. Some types of events have a greater risk than others, as indicated where the aggregated risk score is far higher than the number of accidents and serious incidents. In particular, whereas accidents and serious incidents related to memory and decision-making are quite common, their aggregated risk is lower when compared to events involving non-conformance events, which have a much higher aggregated risk score.

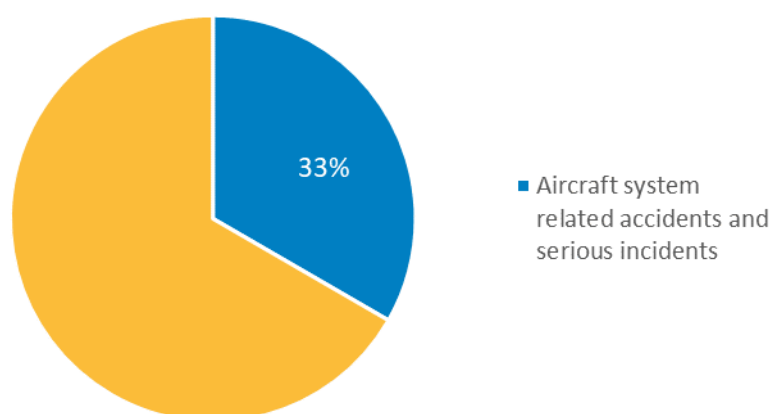


Appendix 2 Figure 7 Detailed HF and HP event codes by aggregated ERCS score and numbers of accidents and serious incidents involving NCC aeroplanes

Airworthiness

There were 417 serious incidents and accidents involving CAT complex aeroplanes and NCC aeroplanes over the period 2018-2022.

Appendix 2 Figure 8 provides the percentage of the serious incidents and accidents that were aircraft systems related. Around one report out of three (139) identified that the loss or malfunction of an aircraft system contributed to the occurrence. This number includes reports where the loss or malfunction of the aircraft system is the cause of the occurrence (e.g., the uncontained release of intermediate pressure turbine blades) and reports where the aircraft system is adversely affected by another event (e.g., damage to the main landing gear tires resulting from hot braking induced by an overweight emergency landing).

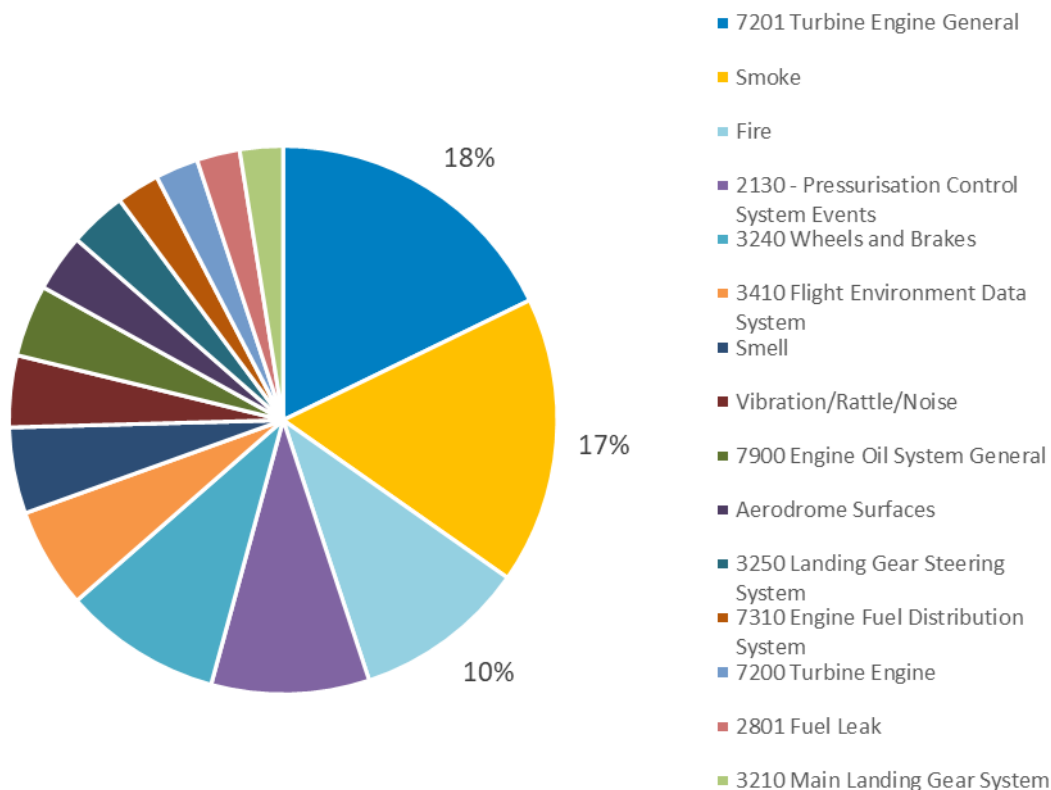


Appendix 2 Figure 8 Aircraft system-related accidents and serious incidents involving CAT complex aeroplanes and NCC aeroplanes

Appendix 2 Figure 9 provides the list of the first 15 values for the event type ‘equipment’ and shows their relative distribution in terms of the number of accidents and serious incidents.

Amongst the 139 serious incidents and accidents where the loss or malfunction of an aircraft system was identified in the occurrence, the main affected aircraft systems were: turbine engine (24), pressurisation control system (12), wheels and brakes (11), flight environment data system (11), engine oil system (5), and landing gear steering system

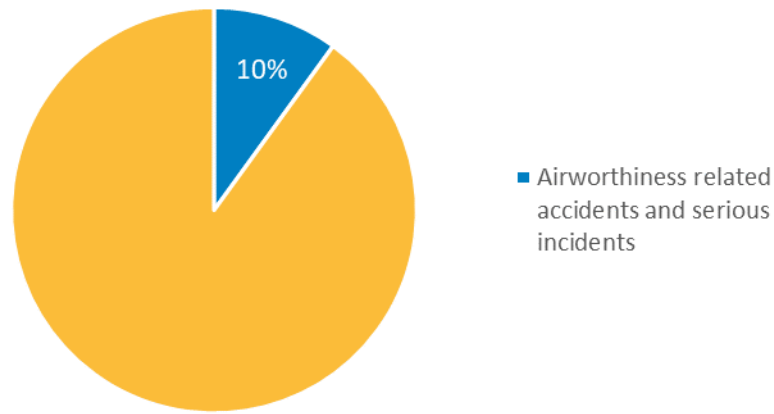
(4). The value 'smoke' was coded in 20 instances, including 11 instances of smoke in the flightdeck and five instances of smoke into the cabin, amongst which two were attributed to portable electronic devices. The value 'fire' was coded in 12 instances, including four engine fires, three cabin fires all attributed to portable electronic devices, one APU fire, one flightdeck fire (originated from the electrical terminal block of the right windshield), and one main landing gear fire.



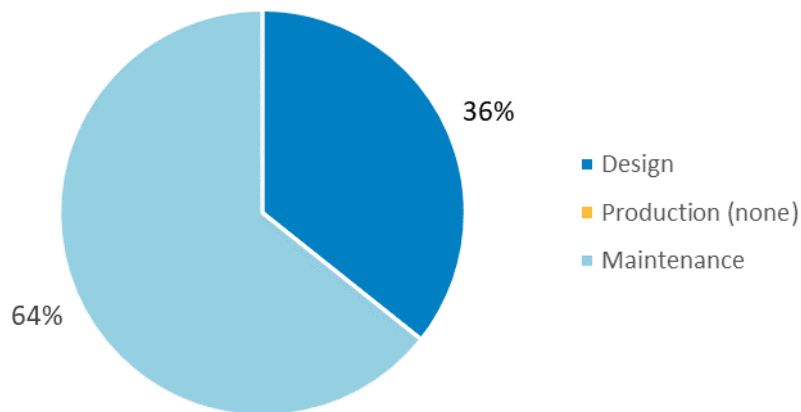
Appendix 2 Figure 9 Aircraft system-related accidents and serious incidents per ATA chapter involving CAT complex aeroplanes and NCC aeroplanes

From these 139 serious incidents and accidents, 14 were attributed to an airworthiness issue, five to aircraft design and nine to aircraft maintenance.

Appendix 2 Figure 10 provides the percentage of aircraft system related serious incidents and accidents where the occurrence was attributed to an airworthiness issue, while Appendix 2 Figure 11 shows occurrence distribution between aircraft design, aircraft production, and aircraft maintenance.



Appendix 2 Figure 10 Airworthiness-related accidents and serious incidents involving CAT complex aeroplanes and NCC aeroplanes



Appendix 2 Figure 11 Airworthiness-related accidents and serious incidents per airworthiness domain involving CAT complex aeroplanes and NCC aeroplanes

The aircraft design issues related to various root causes include:

- Fractured ring seal that resulted in air/oil mist drawn from the engine to the environmental control system and subsequently into the flightdeck;
- Inadequate ADIRU fault procedure in the quick reference handbook that did not direct the crew to switch to the serviceable side to supply the relevant aircraft systems;
- Inadvertent activation of the engine overspeed protection during the final approach reducing the engine to idle;
- Autopilot not disengaging as designed resulting in higher-than-normal forces on the flightdeck controls;
- Uncommanded feathering during take-off caused by a single sensor failure.

The aircraft maintenance issues related to various root causes include:

- Suspected incorrect rigging of the engine fuel shut-off valve that caused its untimely activation during climb and later an in-flight engine shutdown;

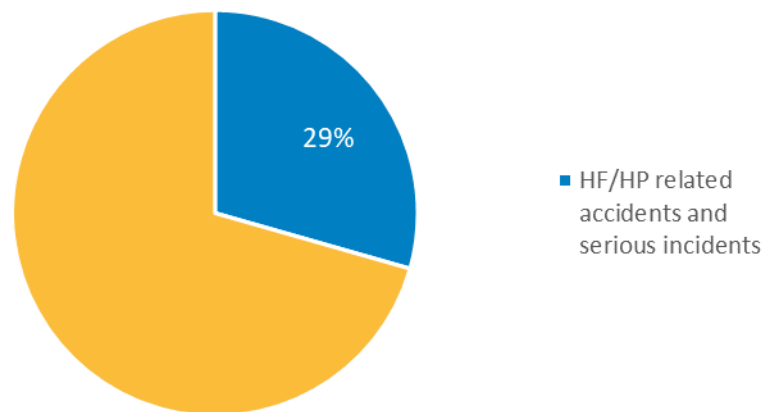
- Improper performance of a maintenance task before the flight, resulting in the engine cowls being left open and unlatched combined with an incomplete performance of the visual inspection before flight causing engine fan cowl separation during take-off;
- Inadequate maintenance practice that led to the contamination of the bleed air from the engine that caused smoke to enter the cabins through the air conditioning vents;
- Incorrect installation of the nose wheel steering sensor combined with the non-performance of the functional test after installation that resulted in steering the aircraft with the rudder pedals in the opposite direction, resulting in a runway excursion;
- Incorrect installation of the main oil supply filter that resulted in the loss of oil pressure and subsequent engine in-flight shutdown;
- Incorrect replacement of the main engine fuel pump that resulted in a fuel leak during flight and subsequent engine in-flight shutdown;
- Non-implementation of an applicable service bulletin published to mitigate engine blade corrosion issues that contributed to an engine uncontained failure at take-off.

2 Advanced statistics for commercial air transport other than complex aeroplanes

This section provides an overview of the HF and HP issues, as well as an overview of the airworthiness issues, for CAT operations involving aeroplanes other than complex.

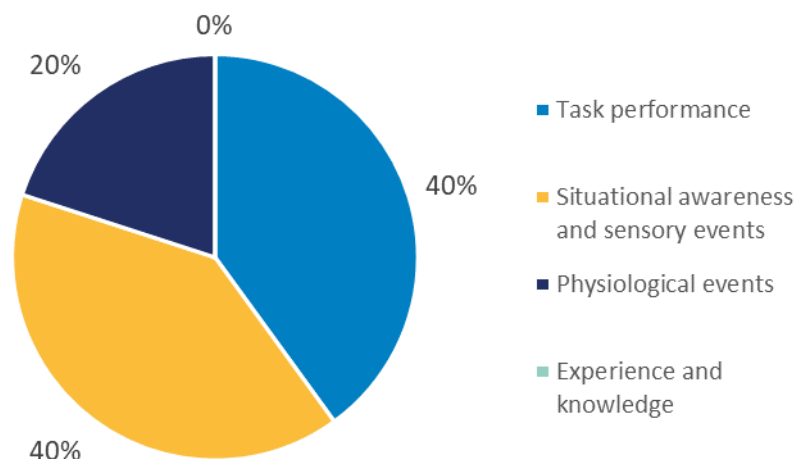
Human factors and human performance

One third of accident and serious incident reports involving commercial other than complex aeroplanes identify HF or HP issues, as identified in Appendix 2 Figure 12. These are labelled as personnel occurrences in the ECCAIRS taxonomy. It is important to highlight that the HF and HP issues are often not recorded within accident and serious incident reports until the final report is published. In addition, there are often less data available to investigators owing to the lack of recording devices on board aircraft in this category.



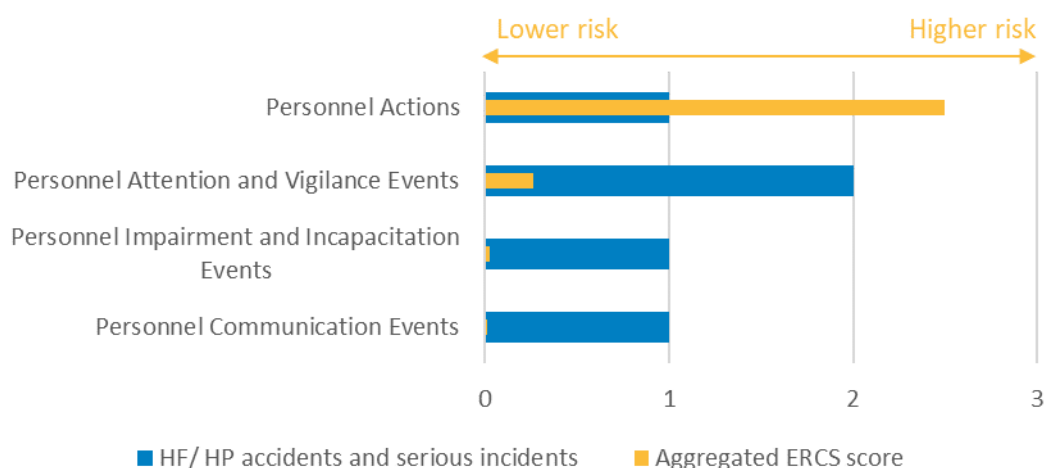
Appendix 2 Figure 12 HF and HP accidents and serious incidents involving CAT other than complex aeroplanes

The application of high-level HF or HP codes can be seen in Appendix 2 Figure 13. Clearly, events relating to task performance and situational awareness are easier to diagnose following an accident or serious incident than the underlying factors relating to the performance success.



Appendix 2 Figure 13 High level HF and HP event codes applied to accidents and serious incidents involving CAT other than complex aeroplanes

Appendix 2 Figure 14 compares the number of accidents and serious incidents with the aggregated ERCS risk score of those incidents, using detailed HF and HP event codes. Some events carry a greater risk than others, as indicated in the codes below for which the aggregated risk score is higher than the number of accidents and serious incidents.

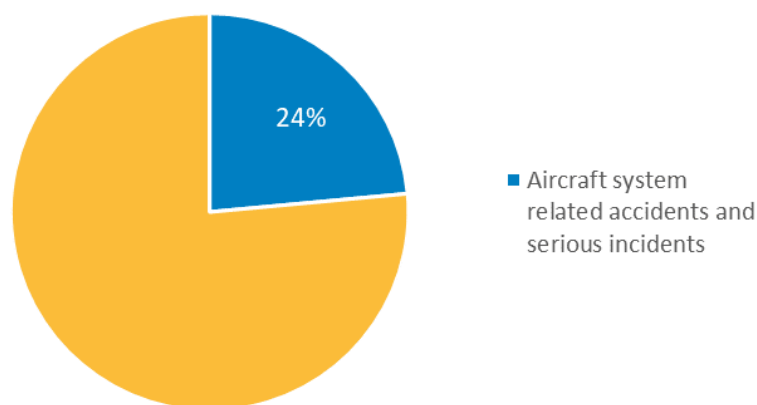


Appendix 2 Figure 14 Detailed HF and HP event codes by aggregated ERCS score and the number of accidents and serious incidents involving CAT other than complex aeroplanes

Airworthiness

There were 17 serious incidents and accidents involving CAT other than complex aeroplanes over the period 2018-2022.

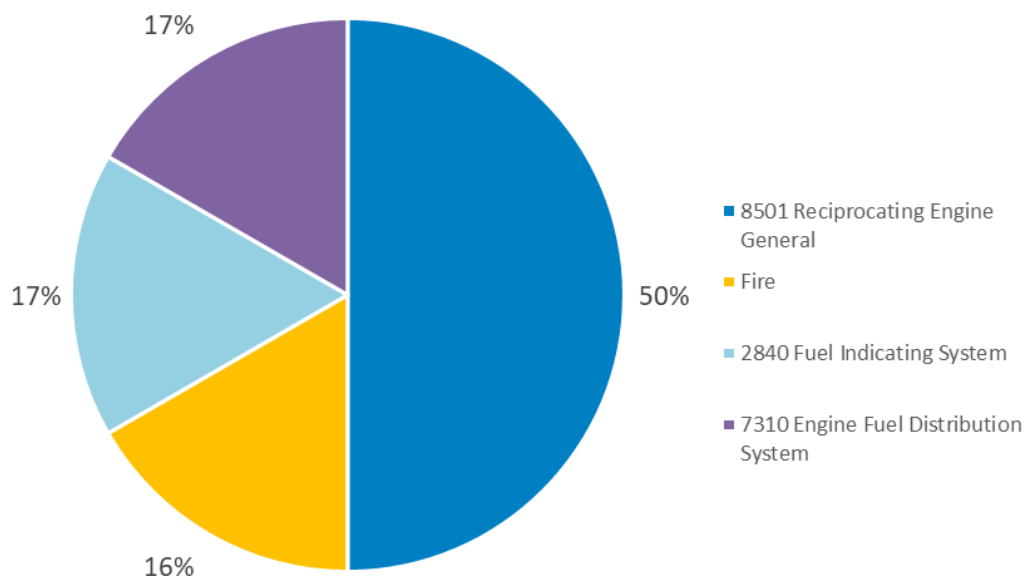
Appendix 2 Figure 15 provides the percentage of the serious incidents and accidents that were aircraft systems-related. Around one report out of four (4) identified that the loss or malfunction of an aircraft system contributed to the occurrence. This number equally includes reports where the loss or malfunction of the aircraft system is the cause of the occurrence (e.g., engine overheating) and reports where the aircraft system is adversely affected by another event (e.g., loss of engine due to lack of fuel).



Appendix 2 Figure 15 Aircraft system-related accidents and serious incidents involving CAT other than complex aeroplanes

Appendix 2 Figure 16 provides the list of the four values for the event type 'equipment' and shows their relative distribution in terms of number of accidents and serious incidents.

Amongst the four serious incidents and accidents where the loss or malfunction of an aircraft system was identified in the occurrence, the main affected aircraft systems were reciprocating engine (3), fuel indicating system (1), and engine fuel distribution system (1). The value 'fire' was coded in one instance to capture a post-impact fire following a controlled flight into terrain.



Appendix 2 Figure 16 Aircraft system related accidents and serious incidents per ATA chapter involving CAT other than complex aeroplanes

From these four serious incidents and accidents, only one was attributed to an airworthiness issue, more specifically aircraft maintenance. The aircraft maintenance issue related to incorrect fault isolation carried out that did not detect a fuel gauge failure and combined with other events resulted in loss of engine power in flight due to lack of fuel.

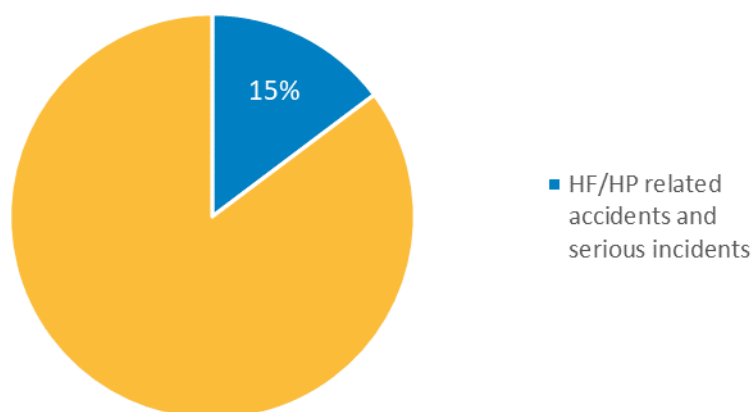
3 Advanced statistics for specialised operations aeroplanes

This section provides an overview of the HF and HP issues, as well as an overview of the airworthiness issues, for SPO aeroplanes.

Human factors and human performance

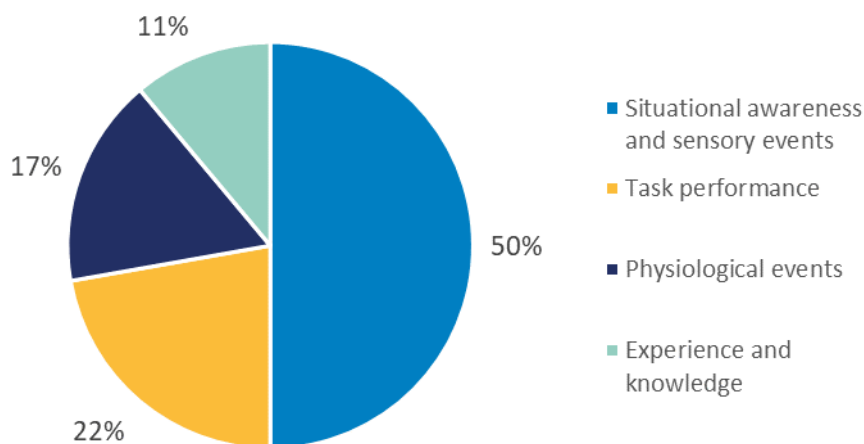
Approximately one sixth of SPO aeroplanes accident and serious incident reports identify HF or HP issues. These are labelled as personnel occurrences in the ECCAIRS taxonomy.

Looking at the figures for the past five years, 18 out of 122 occurrences indicate HF or HP issues, as identified in Appendix 2 Figure 12. Since HF or HP issues are often not recorded within accident and serious incident reports until the final report is published, many of these issues are identified following more detailed investigations – meaning that the figures available now are likely to increase once final investigation reports are published.



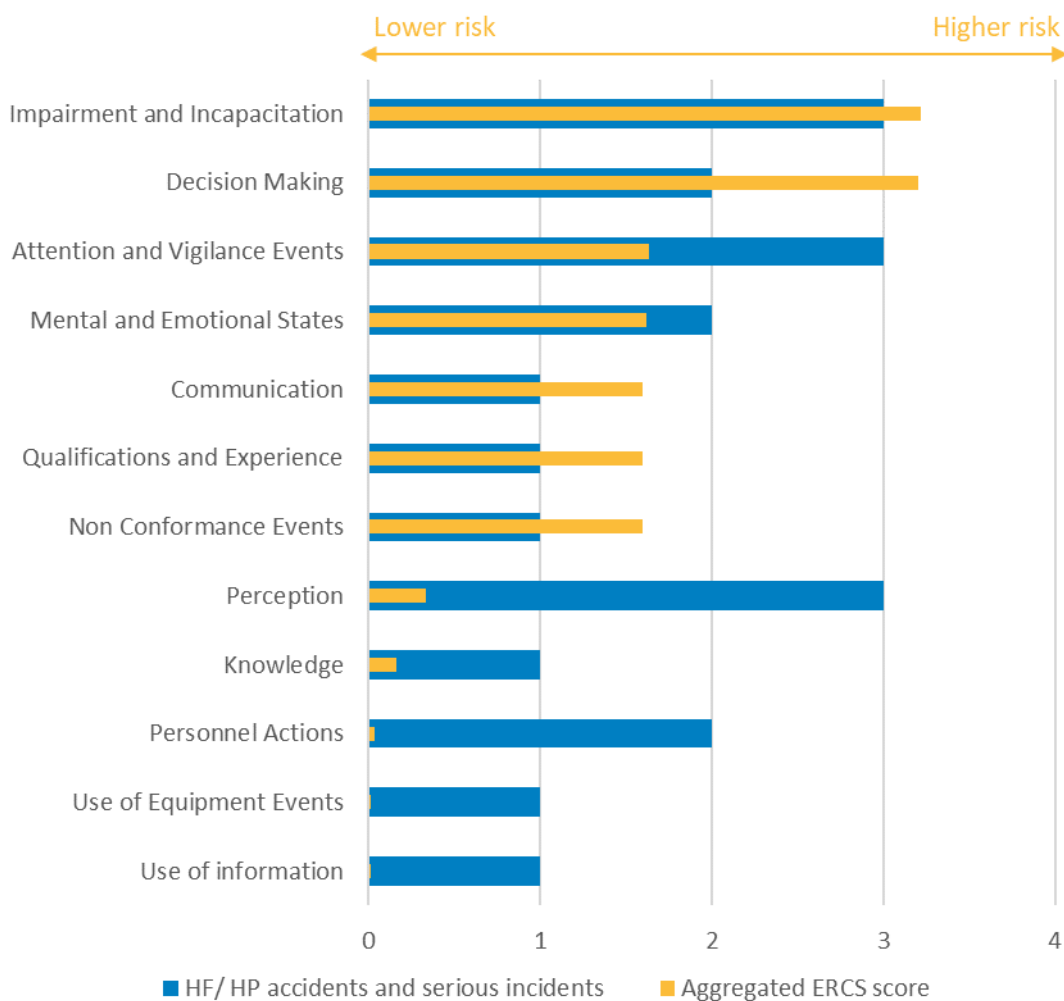
Appendix 2 Figure 17 HF and HP accidents and serious incidents involving SPO aeroplanes

The application of HF or HP codes at a high level can be seen in Appendix 2 Figure 18. As in the previous ASR, situational awareness and task performance issues remain more easily discernible following an accident or serious incident than the factors that cause them, such as physiological or experience and knowledge events. This remains particularly true where investigations are not yet complete.



Appendix 2 Figure 18 High level HF and HP event codes applied to accidents and serious incidents involving SPO aeroplanes

Appendix 2 Figure 19 compares the numbers of accidents and serious incidents with the aggregated ERCS risk score of those incidents, using detailed HF and HP event codes. Some events have a greater risk than others, as indicated where the aggregated risk score is far higher than the number of accidents and serious incidents. For example, accidents and serious incidents relating to perception are more numerous but less risky than those relating to decision making in the domain of SPO aeroplanes.

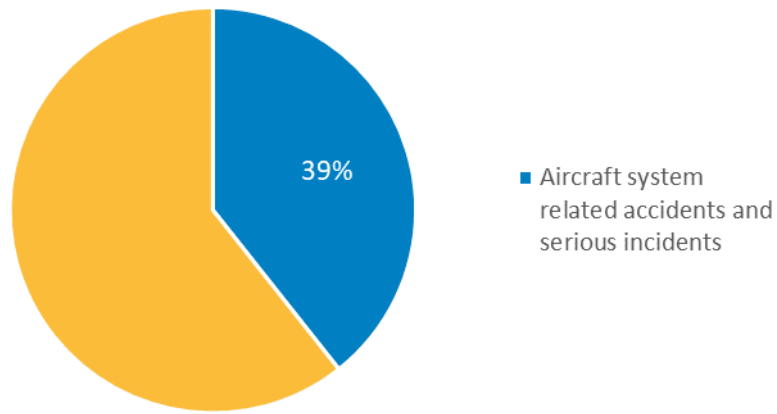


Appendix 2 Figure 19 Detailed HF and HP event codes by aggregated ERCS score and numbers of accidents and serious incidents involving SPO aeroplanes

Airworthiness

There were 122 serious incidents and accidents involving SPO aeroplanes over the period 2018-2022.

Appendix 2 Figure 20 provides the percentage of the serious incidents and accidents that were aircraft systems related. Around two reports out of five (48) identified that the loss or malfunction of an aircraft system contributed to the occurrence. This number includes reports where the loss or malfunction of the aircraft system is the cause of the occurrence (e.g., rudder detachment in flight) and reports where the aircraft system is adversely affected by another event (e.g., elevator jammed after skydivers collided with the horizontal stabiliser).

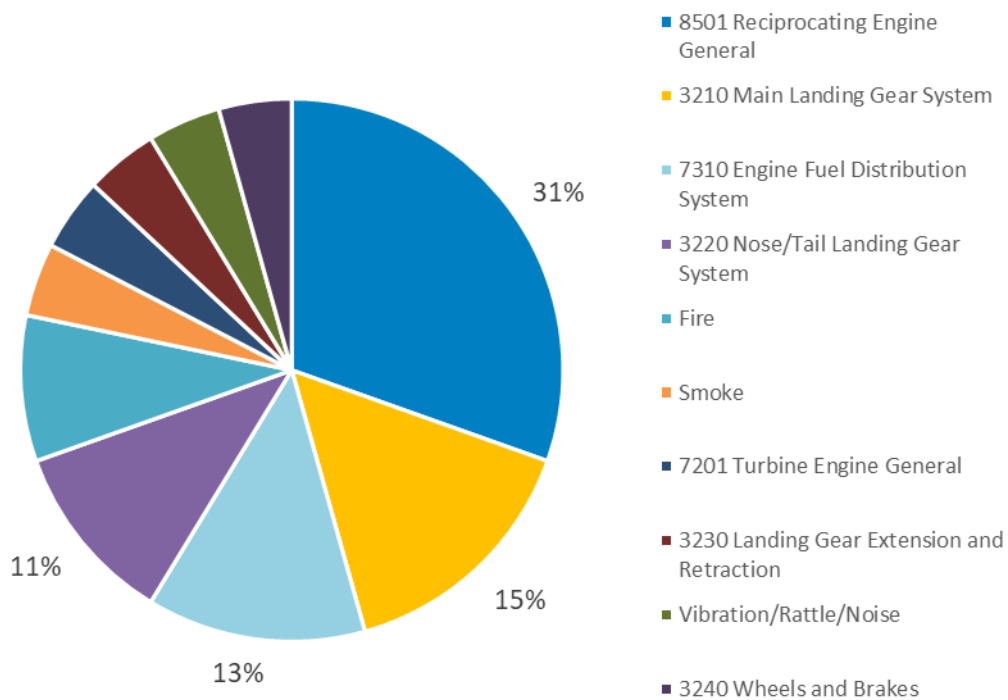


Appendix 2 Figure 20 Aircraft system related accidents and serious incidents involving SPO aeroplanes

Appendix 2 Figure 21 provides the list of the first 10 values for the event type 'equipment' and shows their relative distribution in terms of number of accidents and serious incidents.

Amongst the 48 serious incidents and accidents where the loss or malfunction of an aircraft system was identified in the occurrence, the main affected aircraft systems were reciprocating engine (14), main landing gear system (7), engine fuel distribution system (6), and nose/tail landing gear system (5). The value 'fire' was coded in four instances to solely capture post-impact fires.

From these 48 serious incidents and accidents, only one was attributed to an airworthiness issue, more specifically aircraft design. The serious incident resulted from the detachment of the rudder during a parachute drop flight and was addressed per EASA airworthiness directive 2021-0098.



Appendix 2 Figure 21 Aircraft system related accidents and serious incidents per ATA chapter involving SPO aeroplanes

4 Advanced statistics for non-commercial other than complex aeroplanes

This section provides the safety issues identified from occurrence data, an overview of the HF and HP issues, as well as an overview of the airworthiness issues, for non-commercial other than complex (NCO) aeroplanes.

Safety issues identified from occurrence data

The safety issues identified in the non-commercially operated small aeroplane portfolio are shown in Appendix 2 Figure 22. The figure is based on the same dataset as they key statistics. The list of safety issues provides a more detailed understanding of the main safety risks. The figure shows both the number of occurrences that are identified under the safety issue, and the level of risk through the aggregated ERCS risk score. This provides a picture that displays the risk in relation to how often the safety issue is materialising.

The top issue in Appendix 2 Figure 22 is airborne collision. The data behind this safety issue come from 54 occurrences over the last 5 years, but the risk is considered very high due to the many fatal accidents contributing to this list. Therefore, these occurrences receive the highest score based on the severity. To contrast this explanation, Appendix 2 Figure 22 shows that the safety issue of airborne collision is the highest in terms of risk but not the number of occurrences. Most of these occurrences happen in the vicinity of an aerodrome.

Another safety issue that was added to the portfolio two years ago is parachute operations. In recent years, accidents (21 in the past five years) have occurred causing multiple fatalities. The operation of the aircraft for parachute dropping is somewhat different from normal flying. Parachute operations are conducted both under SPO rules and NCO rules. In this review, all the parachute operation accidents are concatenated into one issue, irrelevant of the operation type. Most of them, however, occurred under NCO. The aircraft used in this type of operation is flown, usually fully loaded with skydivers, to the desired height over the jump area, then after the skydivers jump out the engine is idled and the aircraft lands shortly afterwards to pick up more jumpers. This introduces a different load and stress to the aircraft engine components than that of non-parachute operations. This seems to be specifically evident in aircraft with a reciprocating engine. It is worth noting that in the latest fatal accidents in parachuting operations, the root cause was weight and balance and trim setting.

The third highest risk is the inadvertent flight into IMC/marginal flying (scud flying), this safety issue highlights the importance of avoiding clouds and not letting peer or work pressure affect the decision-making process during the preparation of the flight. In the past five years, there have been 14 occurrences and many of them with a fatal outcome.

Pre-flight planning and the preparation of safety issues (20 occurrences) are a key ingredient for a safe and successful flight. A thorough preparation on fuel, mass and balance, weather, navigation, emergency procedures as well as pre-flight inspection are paramount for a successful flight.

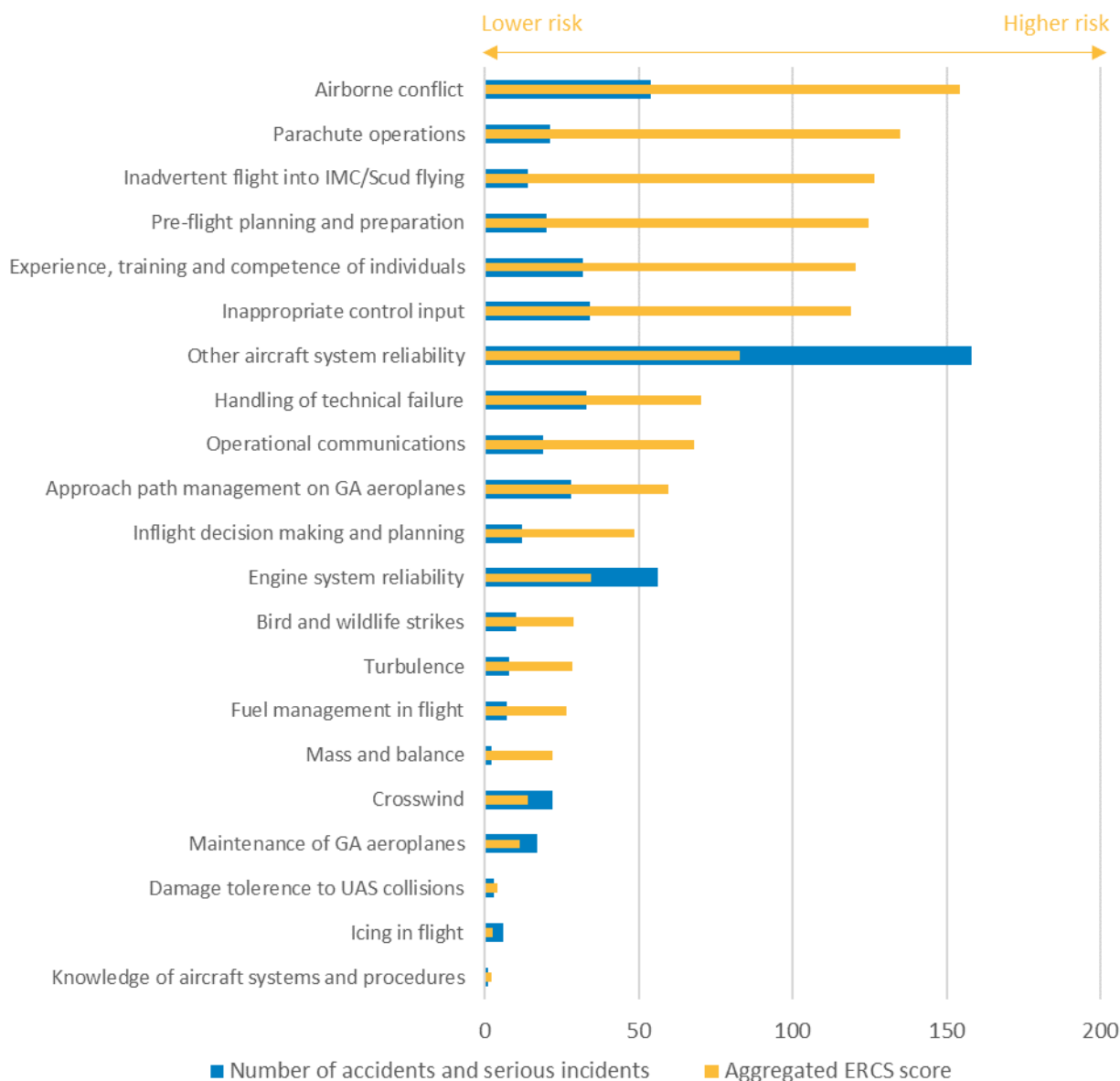
The next two safety issues play a part in aircraft upset, terrain collision, airborne collision, and runway excursions, and are therefore high in terms of risk; these are experience, training, and competence of individuals (32 occurrences), and inappropriate control input (34 occurrences).

Consideration is given to splitting the system reliability safety issue, which has been used in the portfolio for some time, between engine issues and all other equipment failures for better clarity. Another aspect of the system reliability safety issue requiring this change relates to equipment failures, as many involve runway excursions due to hard landings and result in damage to landing gear, wings, and engines/propellers. Landing gear may break during hard landings but, it is not easy to determine if the gear had been exposed to loads outside the certified specifications or other factors including previous landings. The other aircraft system reliability safety issue has 158 occurrences behind it, but is proportionally low in risk. The reason is that most of these occurrences (mostly involving landing gears) are linked directly with runway excursions.

Handling of technical failures connects to several safety issues. The engine and other aircraft system safety issues, but also the HF safety issues like the inflight decision-making and planning safety issue. General aviation aircraft usually have good glide ratios, enabling pilots to find a suitable landing area. However, this depends upon the pilot's pre-flight

preparation and current altitude at the time of the failure. Many of the accidents under this safety issue result in serious injuries or fatal accidents. A high-risk score is therefore evident.

The three HF/HP-related safety issues (namely inflight decision-making and planning; experience, training and competence of individuals; pre-flight planning and preparation) highlight the importance of planning each flight carefully and of anticipating and visualising various scenarios in the planning. Such scenario planning helps pilots to react correctly to the safety critical situation and perhaps avoid a serious outcome; specifically loss of control situations. This is supported by the safety risks identified in the core document, which shows aircraft upset bearing the highest risk. The first six safety issues show a decreasing risk but the gap between attributed risk and number of occurrences is quite large.

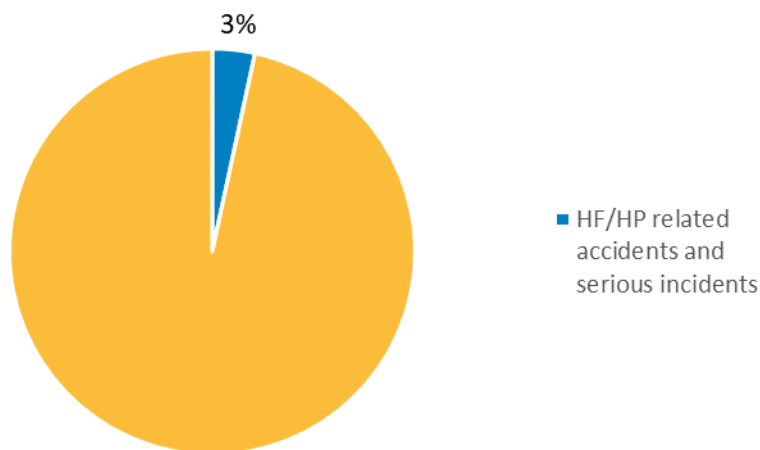


Appendix 2 Figure 22 Safety Issues by aggregated ERCS score and numbers of accidents and serious incidents involving NCO aeroplanes

Human factors and human performance

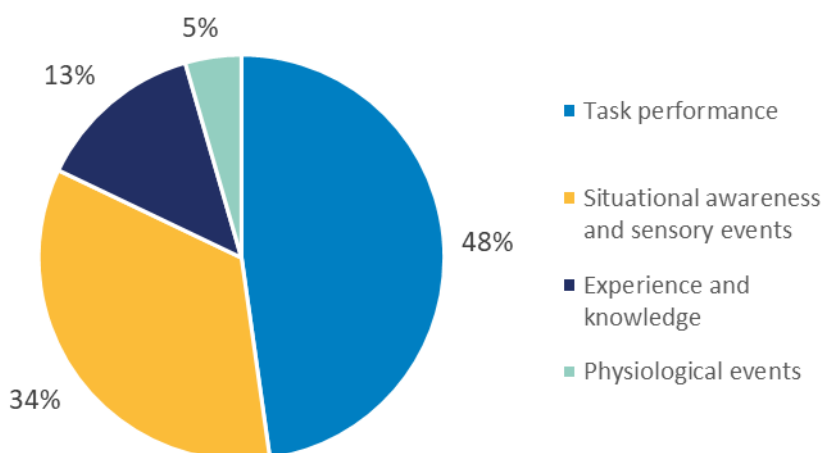
Three (3) percent of NCO aeroplane accident and serious incident reports identify HF or HP issues, as identified in Appendix 2 Figure 23. These are labelled as personnel occurrences in the ECCAIRS taxonomy. It is important to highlight that the dataset for NCO include certified small aeroplanes as well as Light Sport Aeroplanes (LSA) and Very Light

Aeroplanes (VLA). Ultralights, microlights, and other aircraft not certified are excluded from this dataset therefore statistics for the HF/HP safety issues are not fully comparable with previous editions of the ASR.



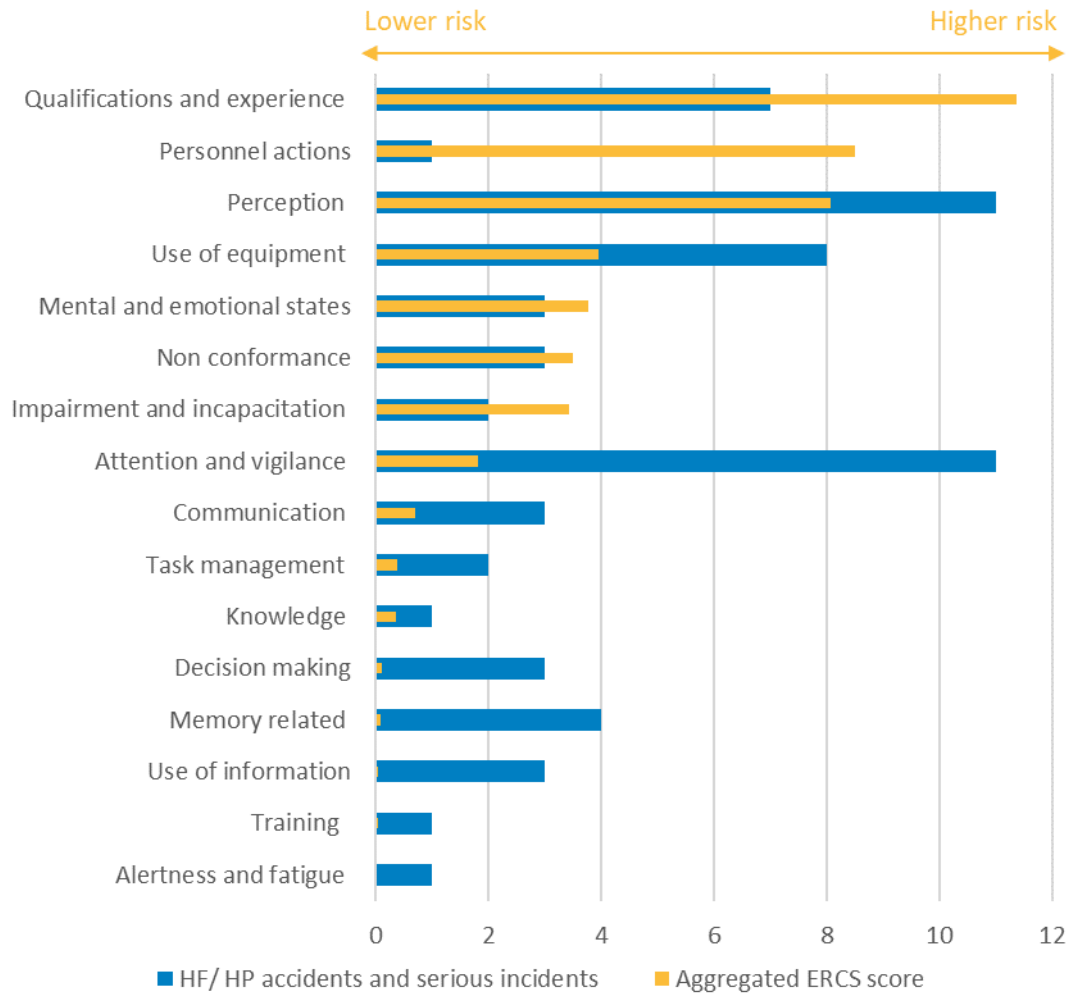
Appendix 2 Figure 23 HF and HP accidents and serious incidents involving NCO aeroplanes

The application of high-level HF or HP codes can be seen in Appendix 2 Figure 24. Clearly, events relating to task performance and situational awareness are easier to diagnose following an accident or serious incident than the underlying factors relating to the performance success.



Appendix 2 Figure 24 High level HF and HP event codes applied to accidents and serious incidents involving NCO aeroplanes

Appendix 2 Figure 25 compares the numbers of accidents and serious incidents with the aggregated ERCS risk score of those incidents, using detailed HF and HP event codes. Some events carry a greater risk than others, as indicated in the codes below for which the aggregated risk score is higher than the number of accidents and serious incidents. Personnel actions are more often reported but carry lower aggregated risk than the decision-making and non-conformance events which are less frequently captured in the occurrence reports.

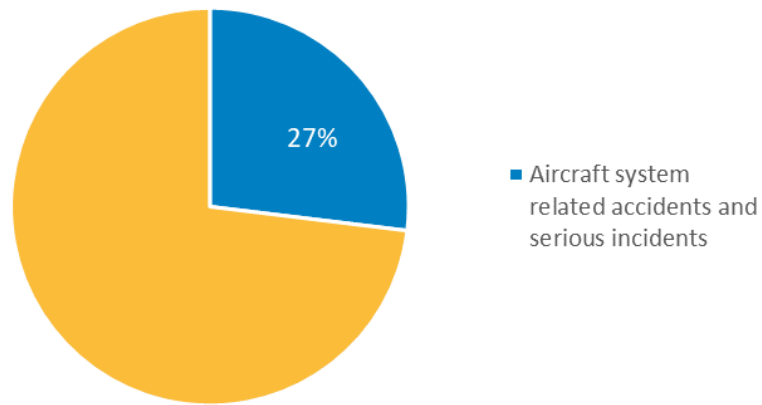


Appendix 2 Figure 25 Detailed HF and HP event codes by aggregated ERCS score and numbers of accidents and serious incidents involving NCO aeroplanes

Airworthiness

There were 1827 serious incidents and accidents involving NCO aeroplanes over the period 2018-2022.

Appendix 2 Figure 26 provides the percentage of the serious incidents and accidents that were aircraft systems related. Around one reports out of four (492) identified that the loss or malfunction of an aircraft system contributed to the occurrence. This number includes reports where the loss or malfunction of the aircraft system is the cause of the occurrence (e.g., engine fire) and reports where the aircraft system is adversely affected by another event (e.g., collapse of the nose landing gear after runway excursion as result of a brake malfunction).

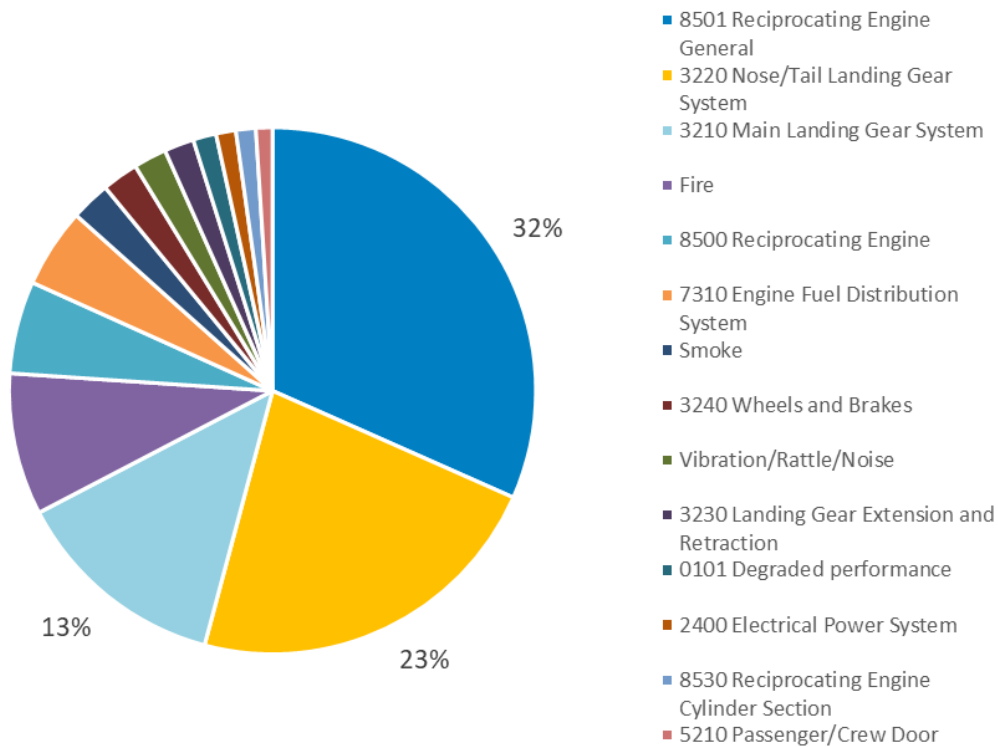


Appendix 2 Figure 26 Aircraft system related accidents and serious incidents involving NCO aeroplanes

Appendix 2 Figure 27 provides the list of the first 14 values for the event type 'equipment' and shows their relative distribution in terms of number of accidents and serious incidents.

Amongst the 492 serious incidents and accidents where the loss or malfunction of an aircraft system was identified in the occurrence, the main affected aircraft systems were reciprocating engine (184), nose/ tail landing gear system (111), main landing gear system (65), and engine fuel distribution system (24).

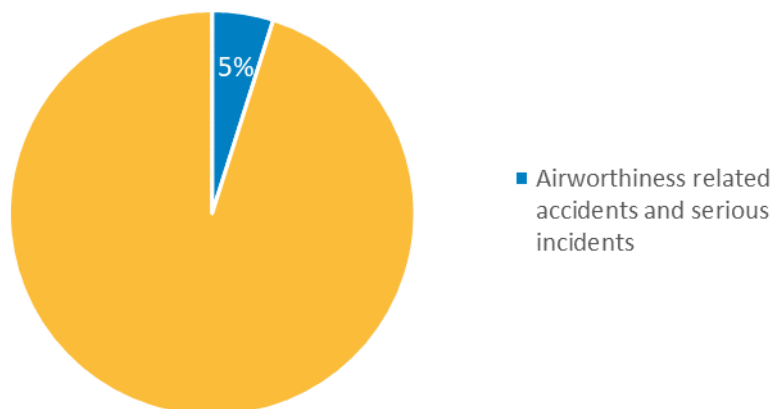
The value 'fire' was coded in 43 instances, including 27 instances for capturing post-impact fires, six powerplant fires, two landing gear fires, and a couple of electrical fires. The value 'smoke' was coded in 12 instances, including seven instances of smoke into the flightdeck, and four instances of smoke originated from engine malfunction.



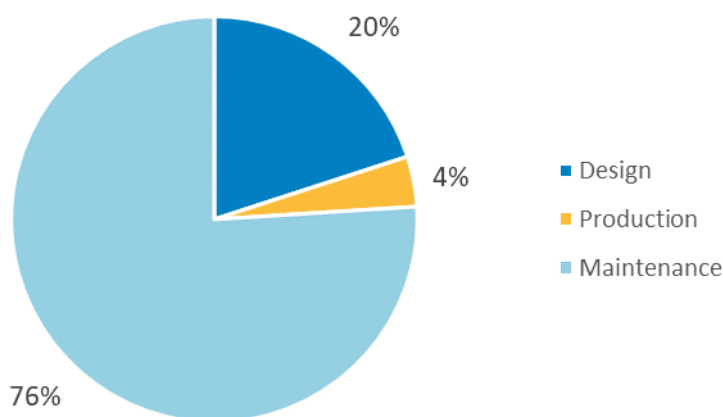
Appendix 2 Figure 27 Aircraft system related accidents and serious incidents per ATA chapter involving NCO aeroplanes

From these 492 serious incidents and accidents, only 24 were attributed to an airworthiness issue. Five serious incidents and accidents were attributed to aircraft design, one to aircraft production, and 19 to aircraft maintenance (one combined aircraft production and aircraft maintenance).

Appendix 2 Figure 28 provides the percentage of aircraft system related serious incidents and accidents where the occurrence was attributed to an airworthiness issue, while Appendix 2 Figure 29 shows the distribution between aircraft design, aircraft production, and aircraft maintenance.



Appendix 2 Figure 28 Airworthiness related accidents and serious incidents involving NCO aeroplanes



Appendix 2 Figure 29 Airworthiness related accidents and serious incidents per airworthiness domain involving NCO aeroplanes

The aircraft design issues related to various root causes, include:

- Improper design of parking brake lever (along with absence of pre-landing check of the lever position) contributed to asymmetrical braking on ground and runway excursion;
- Erroneous indication of landing gear extended combined with improper design of the landing gear control lever contributed to an aircraft landing with landing gear retracted;

- Absence of flight crew procedures updates by the aircraft manufacturer after the publication of a service bulletin on the removal of a device allowing automatic extension of the landing gear and preventing its retraction under certain conditions.

The aircraft maintenance issues related to various root causes include:

- Suspected unapproved part installed on the aeroplane which failure resulted in loss of rudder control in flight;
- Non-implementation of an applicable service bulletin contributed to the pilot intoxication with carbon monoxide in flight;
- Incorrect servicing carried out that resulted in the total absence of engine lubrication and consequently engine in-flight shutdown;
- Incorrect repair actions that resulted in wing fracture and loss of control;
- Incomplete installation where inadequate tightening of the cylinder fasteners resulted in engine damage and subsequent engine failure;
- Inspection incorrectly carried out where the fuel tanks were not drained resulting in engine power loss and emergency landing;
- Unapproved repairs that resulted in main landing gear failure and runway excursion;
- Unauthorised maintenance performed by the pilot-owner that contributed engine malfunction and subsequent emergency landing;
- Incorrect assessment of defect/fault resulting in inoperative nose landing gear locking system and subsequent collapse;
- Non-implementation of the latest applicable service bulletin that was developed to clear latent failures and resulted in the main landing gear failure;
- Incorrect assembly of parts/components where the connection between fuel pressure line and injector came loose resulting in engine failure in flight;
- Inspection incorrectly carried out after landing on the nose landing gear that resulted in a nose landing gear collapse when lining up for the next flight;
- Absence of check for foreign object debris that contributed to aileron deflection limitation due to a ballpoint pen stuck in the aileron control mechanism;
- Incorrect installation that allowed air bubbles to form in the rotary valve oil system resulting in engine overheating and loss of power.

The aircraft production issue related to the placards and markings, referred to the ambiguity of IN/OUT inscriptions on the lid of the oil tank of the engine. That occurrence was also associated with incorrect servicing carried out and resulted in the total absence of engine lubrication and consequently engine in-flight shutdown.

Appendix 3

Advanced statistics for helicopters

This appendix covers the advanced statistics for all operations involving EASA certified or validated helicopters.

The first section provides an overview of the Human Factors (HF), Human Performance (HP) and airworthiness issues for all operations.

The other sections outline the safety issues that have been identified from occurrence data. They are provided per type of operation. Safety issues are safety deficiencies related to one or more hazards and are the manifestation of a hazard or combination of several hazards in a specific context. In terms of safety performance, the safety issues are the Tier 2+ SPIs and are prioritised based on their aggregated risk contribution using the European Risk Classification Scheme (ERCS). The occurrences related to individual safety issues are identified by mapping event types in the European Co-ordination Centre for Accident and Incident Reporting Systems (ECCAIRS) taxonomy to each safety issue.

The term HF describes human characteristics, abilities and limitations. The knowledge of HF is used throughout the aviation industry to design systems, equipment and work in ways that support humans in performing at their best. HP refers to how people perform their tasks. Following safety occurrences, HF and HP knowledge can also be used diagnostically to better understand what went wrong, what went right and, more importantly, to understand how to prevent such occurrences from happening again. Within the EASA occurrence data, HF and HP have been identified as having contributed to accidents and serious incidents, based on information derived from investigation reports. The same ECCAIRS taxonomy that helps us to identify our safety issues and KRAs also provides us with HF and HP codes. This taxonomy groups event types at different levels, so that all the issues relating to personnel are grouped at the highest level into 'personnel'. The personnel issues are then further subdivided into four categories; experience and knowledge events, physiological events, situational awareness and sensory events, and personnel task performance events. A further two levels of subdivision exist, providing increasing granularity on the type of HF or HP issues identified.

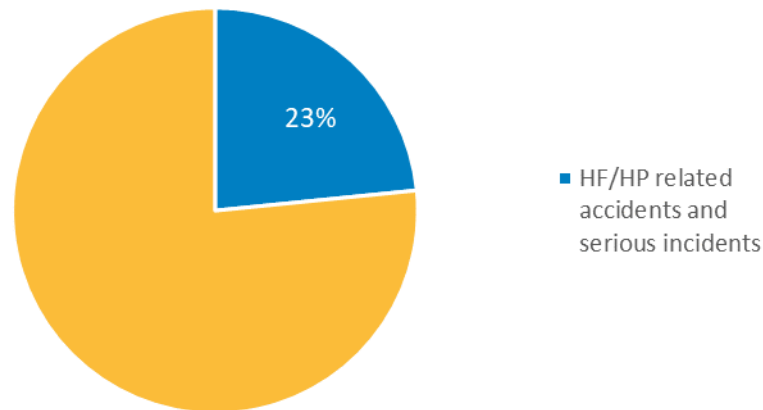
The term airworthiness includes aircraft design, aircraft production, and aircraft maintenance. Within the EASA occurrence data, airworthiness is identified as having contributed to accidents and serious incidents, based on information derived from investigation reports. The attribute 'event type' in the ECCAIRS taxonomy allows regulators and industry to code the causes and contributing factors to accidents and serious incidents. The first level of airworthiness analysis shows the contribution of aircraft-system loss and malfunction to accidents and serious incidents, including the distribution of the main ATA chapters. The second level of analysis goes a step further, showing the contribution of design, production, and maintenance to aircraft system loss and malfunction, i.e., highlighting the systemic root cause of a system or equipment failure.

1 Advanced statistics for all helicopters operations

This section provides an overview of the HF and HP issues, as well as an overview of the airworthiness issues for all operations involving EASA certified or validated helicopters.

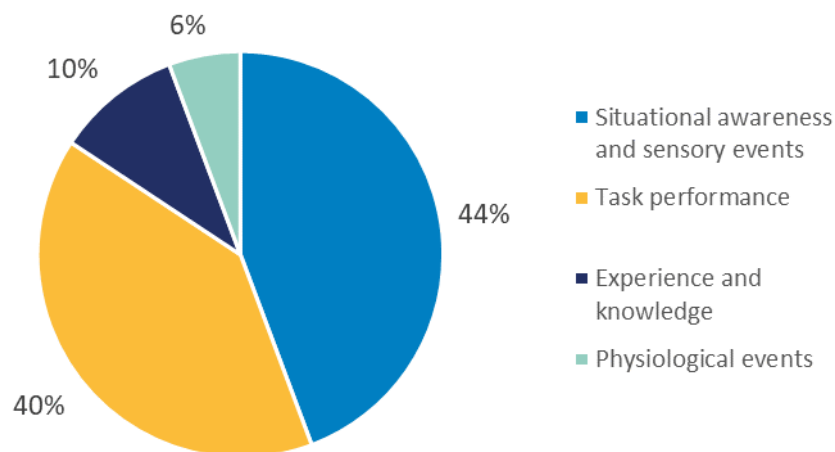
Human factors and human performance

HF or HP issues, labelled as personnel occurrences in the ECCAIRS taxonomy, can be identified in 23 % of accidents and serious incident reports involving helicopters over the period 2018-2022. Looking at the figures for the past five years in Appendix 3 Figure 1, 70 out of 299 occurrences indicate HF/HP related issues.



Appendix 3 Figure 1 HF and HP accidents and serious incidents involving all helicopter operations

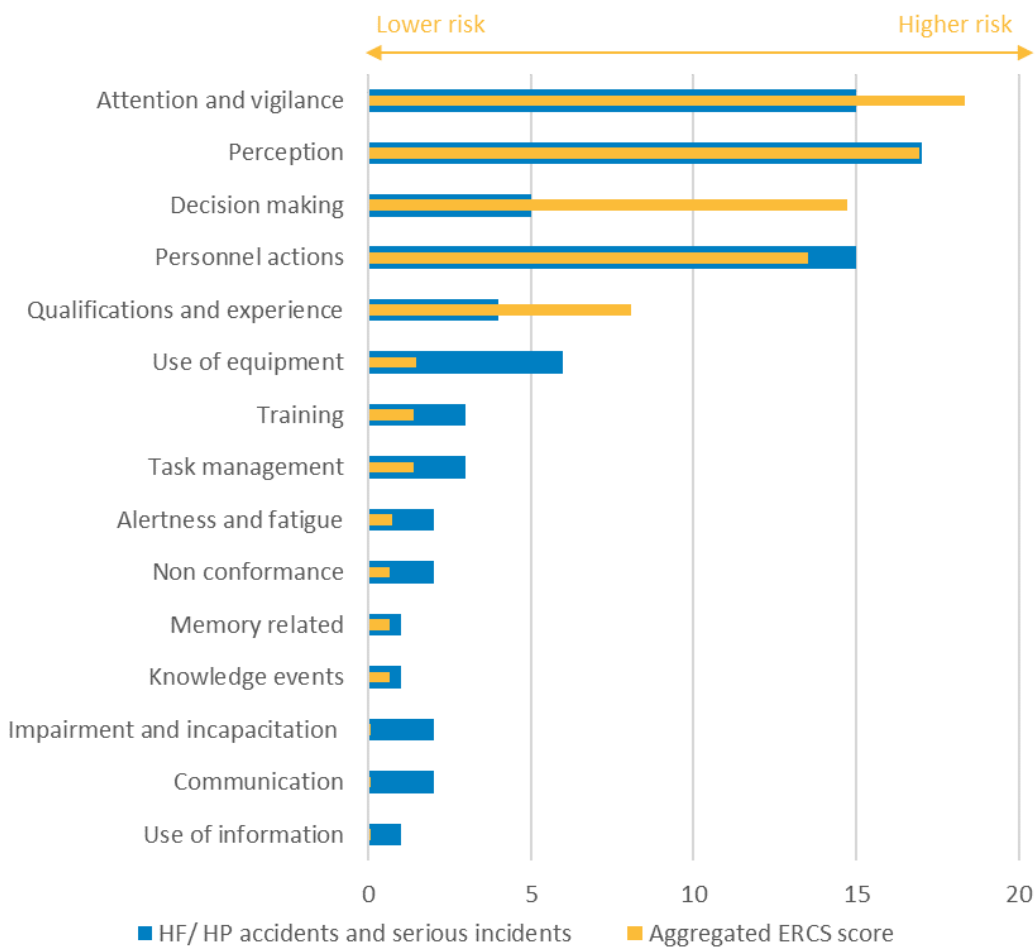
The application of HF or HP codes at a high level can be seen in Appendix 3 Figure 2. Issues relating to situational awareness and sensory events and to task performance events, persist in being more commonly recognised, experienced, and reported following an accident or serious incident than the factors that cause them.



Appendix 3 Figure 2 High level HF and HP event codes applied to accidents and serious incidents involving all helicopter operations

Appendix 3 Figure 3 compares the number of accidents and serious incidents with the aggregated ERCS risk score of those occurrences, using detailed HF and HP event codes. It can be seen that some types of events have a greater risk than others, as indicated when the aggregated risk score is far higher than the number of accidents and serious

incidents. Some occurrence types generate a higher risk per occurrence than others, as can be seen by comparing the risk scores and numbers of occurrences of issues such as decision making and use of equipment.

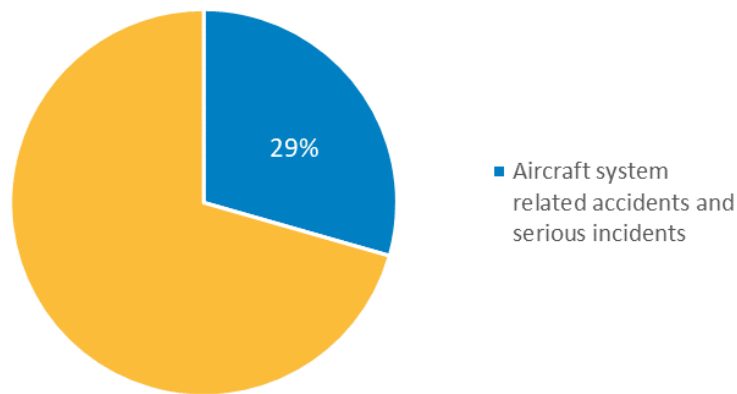


Appendix 3 Figure 3 Detailed HF and HP event codes by aggregated ERCS score and number of accidents and serious incidents involving all helicopter operations

Airworthiness

There were 299 serious incidents and accidents involving helicopters (all operations) over the period 2018-2022.

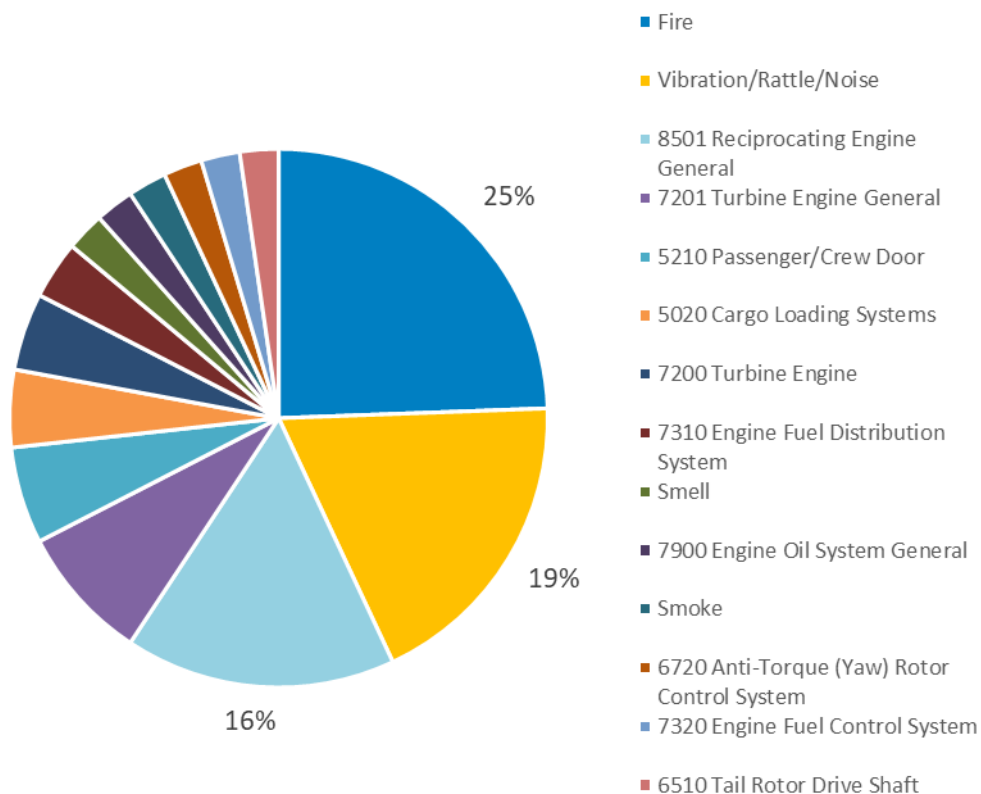
Appendix 3 Figure 4 provides the percentage of serious incidents and accidents that were aircraft systems-related. Around one report out of three (88) identified that the loss or malfunction of an aircraft system contributed to the occurrence. This number includes reports where the loss or malfunction of the aircraft system is the cause of the occurrence (e.g., engine failure) and reports where the aircraft system is adversely affected by another event (e.g., engine overspeed resulting in the tail rotor shaft failure).



Appendix 3 Figure 4 Aircraft system-related accidents and serious incidents involving all helicopters operations

Appendix 3 Figure 5 provides the list of the first 14 values for the event type 'equipment' and shows their relative distribution in terms of the number of accidents and serious incidents.

Amongst the 88 serious incidents and accidents where the loss or malfunction of an aircraft system was identified in the occurrence, the value 'fire' was coded in 21 instances mainly to capture post-impact fires, except for one baggage compartment fire and one powerplant fire. The value 'vibration/rattle/noise' was coded in 16 instances. The main aircraft systems involved in the serious incidents and accidents were; reciprocating engine (14), turbine engine (11), passenger/crew door (5), cargo loading systems (4), and engine fuel distribution system (3).



Appendix 3 Figure 5 Aircraft system-related accidents and serious incidents per ATA chapter involving all helicopters operations

From these 88 serious incidents and accidents, nine were attributed to an airworthiness issue, two to aircraft design, and seven to aircraft maintenance (one occurrence combined aircraft design and aircraft maintenance).

The aircraft design issues related to structure and flight controls, include:

- Detachment of an engine cowling impacting a main rotor blade;
- Disengagement of one collective control in flight because of an improper installation (a design modification was later introduced to reduce the likelihood of incorrect installation).

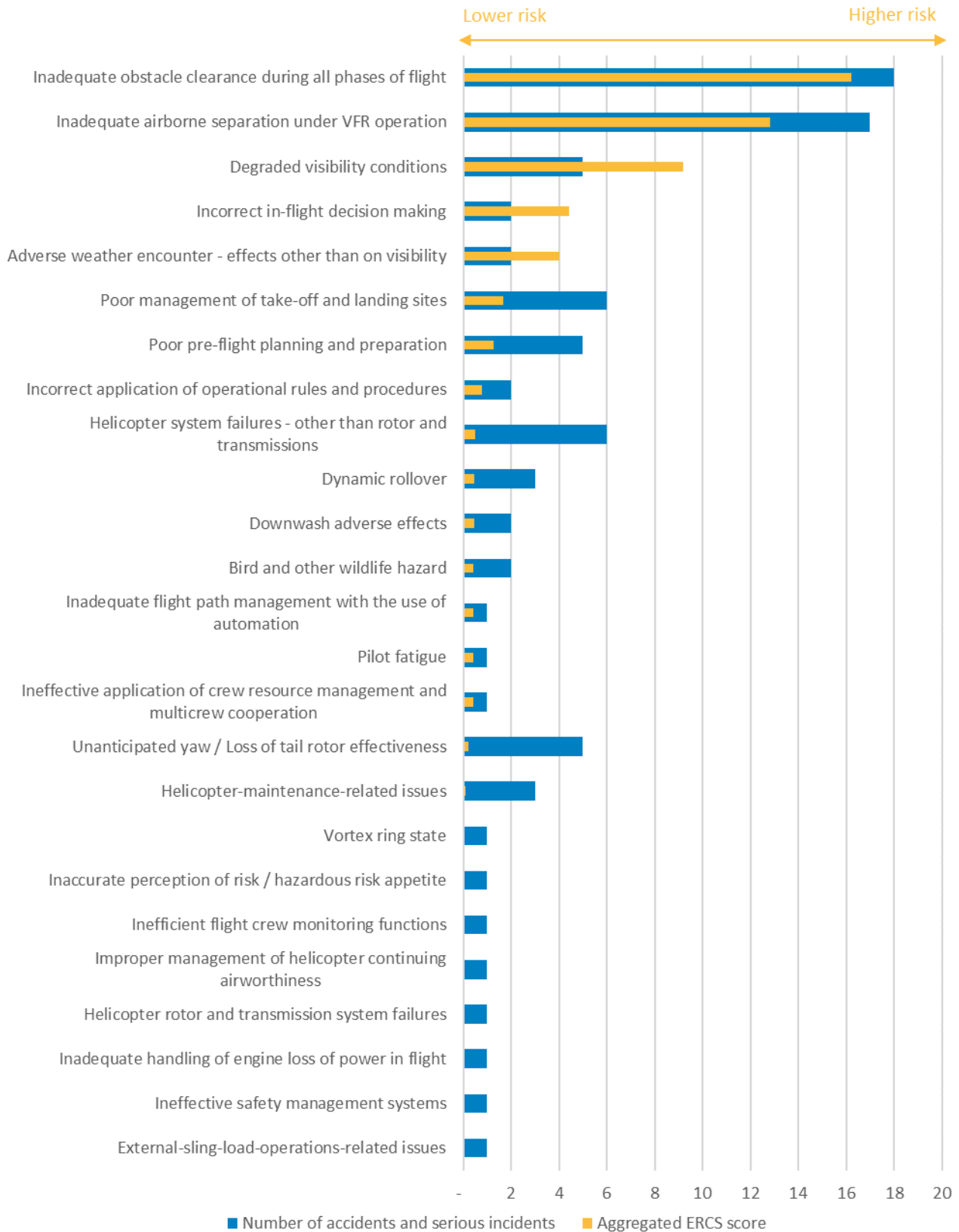
The aircraft maintenance issues related to various root causes, including:

- Use of incorrect silicone sealant during engine overhaul resulting in engine failure;
- Incorrect assessment of damages to the main rotor blades that occurred during the previous flight;
- Combination of transmission components maintenance by an unauthorised organisation and incorrect maintenance task planning that resulted in transmission failure;
- Incorrect repair of an engine component adversely affecting the engine anti-icing capability and resulting in the loss of the engine;
- Incorrect installation of a flight control component (disengagement of the collective control);
- Incorrect application of a service bulletin leading to a non-conformity of the wiring configuration;
- Incomplete installation that resulted in the disconnection of one servo control.

2 Advanced statistics for commercial air transport helicopters

This section outlines the safety issues for CAT helicopters that are derived from accident and serious incident data from the EASA occurrence repository and the ECR, covering the period 2018-2022 (54 occurrences).

Appendix 3 Figure 6 lists the safety issues identified from the occurrence data and shows a comparison between the numbers of occurrences per safety issue and their aggregated ERCS score. The number of occurrences provides an indication of how frequently the safety issue occurs, whereas the aggregated ERCS score provides an indication of the accumulated risk of the safety issue. The ERCS score is not used on its own because the finer granularity of the safety issue renders this indicator more vulnerable to the reactivity of the data type used (only accidents and serious incidents). A yellow bar in the graph that is considerably longer in comparison with the underlying blue bar indicates a low number of occurrences contributing to high risk.



Appendix 3 Figure 6 Safety issues by aggregated ERCS score and number of accidents and serious incidents involving CAT helicopters

From this chart we can see that the most important safety issues where the inadequate obstacle clearance during all phases of flight is the safety issue with the highest aggregated risk score and number of occurrences. Due to the nature of their operations, helicopters tend to commonly fly at low altitudes and this places them at high risk of

striking various types of obstacles. Given that HEMS helicopter routinely land at unprepared landing sites avoiding obstacles and terrain in these situations are a particular challenge. Accidents were mostly during the take-off or landing phases of flight, as well as collision with objects (for example wires and towers).

Ranked as a leading cause of rotorcraft accidents, the safety issue is subject to a more detailed Safety Issue Assessment (SIA).

The assessment process is led by EASA and is supported by the NoA and the CAGs. This external support is vital to achieving the best possible results. The SIA provides potential mitigating actions for the EPAS. This is followed by an impact assessment through the best intervention strategy (BIS) document, defining possible mitigation actions, assessing the implications and benefits of each possible action, and making recommendations on the best mitigation action(s) to be implemented in the EPAS.

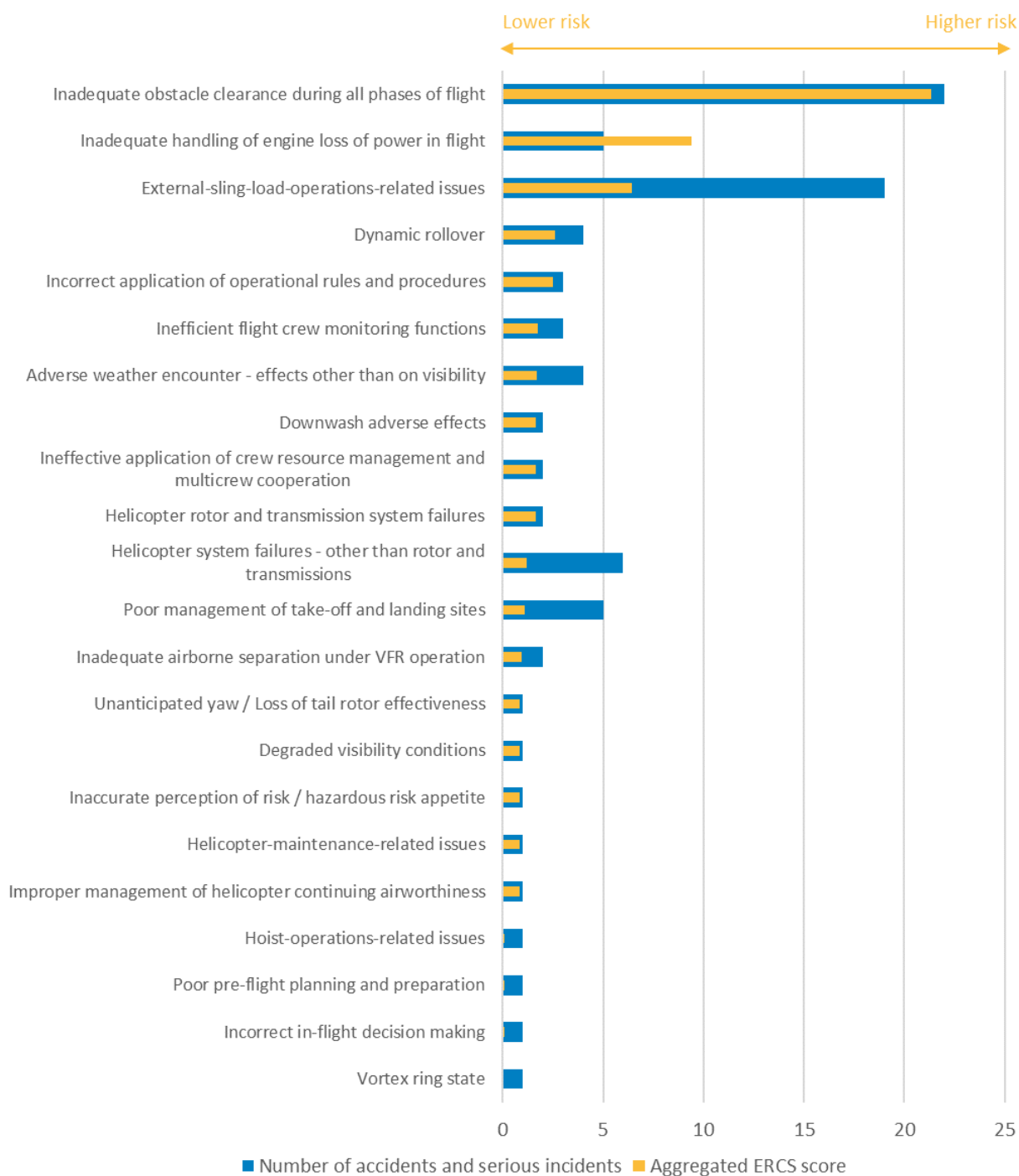
The second top safety issue is inadequate airborne separation under VFR operation. Due to communications problems with ATC or a lack of communications due to remote locations have been identified several events where the vertical separation between helicopters was not maintained. In 2022 a total of 3 occurrences were attributed to 'MAC: Airprox/ACAS alert/loss of separation/(near) midair collisions', of which one was fatal accident and 2 serious incidents of which one involved a large drone and a HEMS helicopter and a conflict with a small aeroplane performing non-commercial operations.

The safety issue degraded visibility conditions, where the aggregated risk score is far higher than the number of accidents and serious incidents, has been shown in 2022 for commercial operations with 2 fatal accidents and 14 fatalities. A significant proportion of HEMS operations take place at night and often in poor weather. The crew is under considerable pressure to carry out the mission regardless of the environmental and geographic conditions. Approximately a quarter of all HEMS accidents were weather related, with most occurring because of reduced visibility and IMC while the helicopter was conducting the en-route phase of the mission. Inaccurate or out of date weather forecasts contribute to the risk.

3 Advanced statistics for specialised operations helicopters

This section outlines the safety issues for SPO helicopters that are derived from accident and serious incident data from the EASA occurrence repository and the ECR, covering the period 2018-2022 (66 occurrences).

Appendix 3 Figure 7 lists the safety issues identified from the occurrence data and shows a comparison between the number of occurrences per safety issue and the accompanying aggregated ERCS score. The number of occurrences provides an indication of how frequently the safety issue occurs, whereas the aggregated ERCS score provides an indication of the accumulated risk of the safety issue. The ERCS score is not used on its own because the finer granularity of the safety issue renders this indicator more vulnerable to the reactivity of the data type used (only accidents and serious incidents). A yellow bar in the graph that is considerably longer in comparison with the underlying blue bar indicates a low number of occurrences contributing to a high risk.



Appendix 3 Figure 7 Safety issues by aggregated ERCS score and numbers of accidents and serious incidents involving SPO helicopters

The top safety issues for SPO helicopters are:

- **Inadequate obstacle clearance during all phases of flight.** Risks such as nearby obstacles, flying low level is to be expected when performing this type of mission;
- **Inadequate handling of engine loss of power in flight.** When performing a load hook-up, manoeuvring is high risk and not correcting from the initial deceleration to a steady state attitude can allow excessive airspeed loss in the descent;
- **External-sling-load-operations-related issues.** Given the conditions and the common environmental factors that come with this type of mission, the amount of risk undertaken is high when actually performing long lining or constructing, resulting in a high number of accidents and serious incidents.

4 Advanced statistics for non-commercial operations helicopters

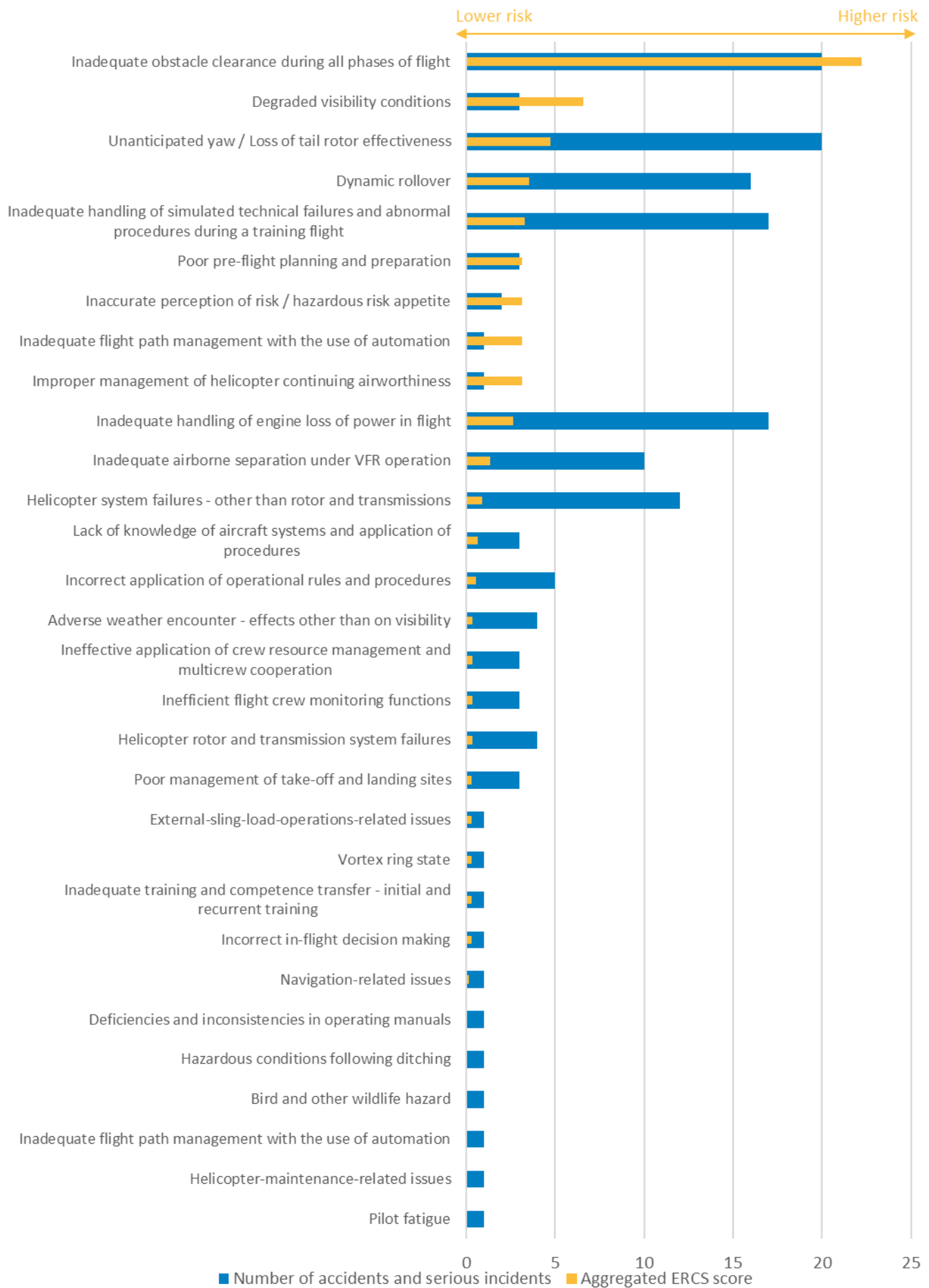
This section outlines the safety risks for non-commercial operations helicopters that are derived from accident and serious incident data from the EASA occurrence repository and the ECR, covering the period 2018-2022 (146 occurrences).

Appendix 3 Figure 8 lists the safety issues identified from the occurrence data and shows a comparison between the number of occurrences per safety issue and the accompanying aggregated ERCS score. The number of occurrences provides an indication of how frequently the safety issue occurs, whereas the aggregated ERCS score provides an indication of the accumulated risk of the safety issue. The ERCS score is not used on its own because the finer granularity of the safety issue renders this indicator more vulnerable to the reactivity of the data type used (only accidents and serious incidents).

Based on the occurrence data, the inadequate obstacle clearance during all phases of flight is the safety issue with the highest aggregated risk score and number of occurrences, having a very strong contributor to obstacle collision in flight, aircraft upset and terrain collision outcome. Due to the nature of their operations, helicopters tend to commonly fly at low altitudes and this places them at high risk of striking various types of obstacles. Ranked as a leading cause of rotorcraft accidents, the safety issue is subject to a more detailed Safety Issue Assessment (SIA).

The second top safety issue, degraded visibility conditions, where the aggregated risk score is far higher than the number of accidents and serious incidents. Weather is a suspected factor, however, as many of the occurrences in 2022 are still being investigated, the conclusions and safety priorities may change as the data is further matured.

Unanticipated Yaw Phenomena on Helicopters has been reflected during the last years with a high number of occurrences, however aggregated ERCS risk score of these accidents and serious incidents is lower. Some of these accidents occur on the ground or during take-off, and are most likely the result of the pilot mismanaging the yaw pedals. But the vast majority occur at low airspeeds and altitudes, often while on approach to land, under the phenomenon called loss of tail rotor effectiveness (LTE). In order to reduce the number of accidents and to restore confidence in the effectiveness of the tail rotor, the safety issue is currently subject to a more detailed Safety Issue Assessment (SIA).



Appendix 3 Figure 8 Safety issues by aggregated ERCS score and numbers of accidents and serious incidents involving non-commercial operations helicopters

Appendix 4

Advanced statistics for balloons

This appendix covers the advanced statistics for hot air balloon operations where the state of registry is an EASA Member State (MS).

The first section outlines the safety issues that have been identified from occurrence data. Safety issues are safety deficiencies related to one or more hazards and are the manifestation of a hazard or combination of several hazards in a specific context. In terms of safety performance, the safety issues are the Tier 2+ SPIs and are prioritised based on their aggregated risk contribution using the European Risk Classification Scheme (ERCS). The occurrences related to the individual safety issues are identified by mapping event types in the European Co-ordination Centre for Accident and Incident Reporting Systems (ECCAIRS) taxonomy to each safety issue.

The two other sections provide an overview of the human factors (HF) and human performance (HP) issues, as well as an overview of the airworthiness issues.

The term human factors (HF) describes human characteristics, abilities, and limitations. The knowledge of HF is used throughout the aviation industry to design systems, equipment and work in ways that support humans in performing at their best. HP refers to how people perform their tasks. Following safety occurrences, HF and HP knowledge can also be used diagnostically to better understand what went wrong, what went right and, more importantly, to understand how to prevent such occurrences from happening again. Within the EASA occurrence data, HF and HP have been identified as having contributed to accidents and serious incidents, based on information derived from investigation reports. The same ECCAIRS taxonomy that helps us to identify our safety issues and key risk areas also provides us with HF and HP codes. This taxonomy groups event types at different levels, so that all the issues relating to personnel are grouped at the highest level into 'personnel'. The personnel issues are then further subdivided into four categories: experience and knowledge events, physiological events, situational awareness and sensory events, and personnel task performance events. A further two levels of subdivision exist, providing increasing granularity on the type of HF or HP issues identified.

The term airworthiness includes aircraft design, aircraft production, and aircraft maintenance. Within the EASA occurrence data, airworthiness is identified as having contributed to accidents and serious incidents, based on information derived from investigation reports. The attribute 'event type' in the ECCAIRS taxonomy allows regulators and industry to code the causes and contributing factors to accidents and serious incidents. The first level of airworthiness analysis shows the contribution of the aircraft system loss and malfunction to accidents and serious incidents, including the distribution of the main Air Transport Association (ATA) chapters. The second level of analysis goes a step further, showing the contribution of design, production, and maintenance to aircraft system loss and malfunction, i.e., highlighting the systemic root cause of a system or equipment failure.

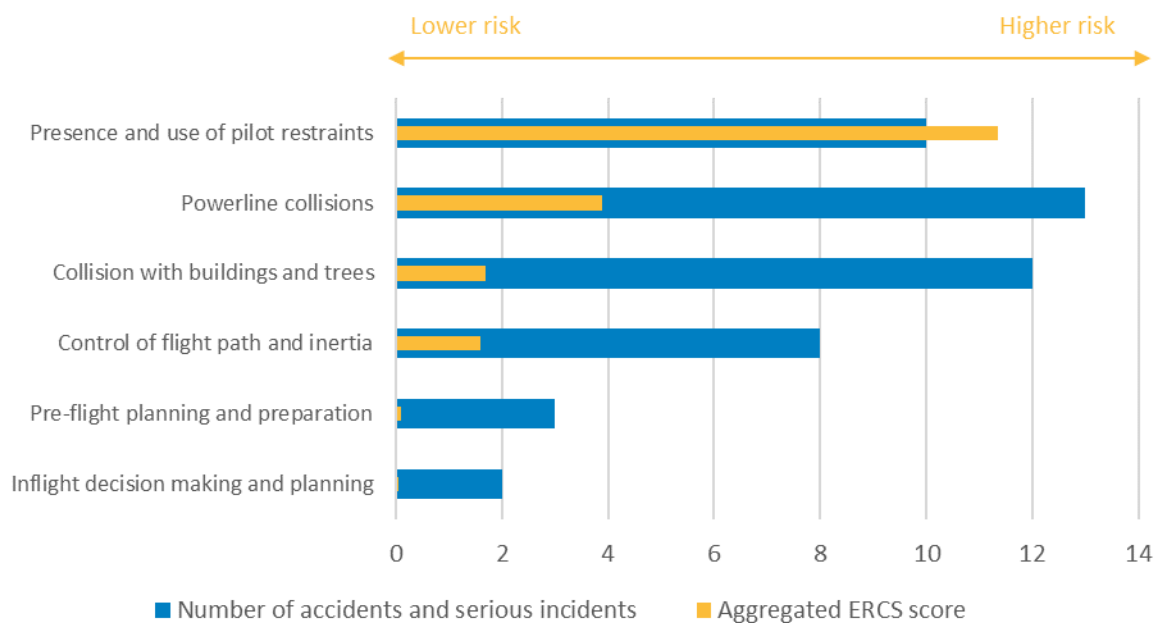
1 Safety issues identified from occurrence data

The safety issues for balloons are identified from accident and serious incident data from the EASA occurrence repository and the European Central Repository (ECR), covering the period 2018-2022 (130 occurrences).

Appendix 4 Figure 1 lists the safety issues identified from the occurrence data and shows a comparison between the number of occurrences per safety issue and their aggregated ERCS score. Note that one single occurrence can be associated with more than one identified safety issue. A yellow bar in the graph that is considerably longer when compared with the underlying blue bar indicates a low number of occurrences contributing to a high risk.

The figure shows that the highest risks in ballooning are the lack of presence and use of pilot restraints. This is immediately followed by the powerline collisions which is the highest in terms of number of occurrences but bares lower risk. Almost equally high in terms of occurrences is the issue below; collision with buildings and trees, and yet it bares even lower risk than powerline collisions. The fourth issue in the list is the control of flight path and inertia.

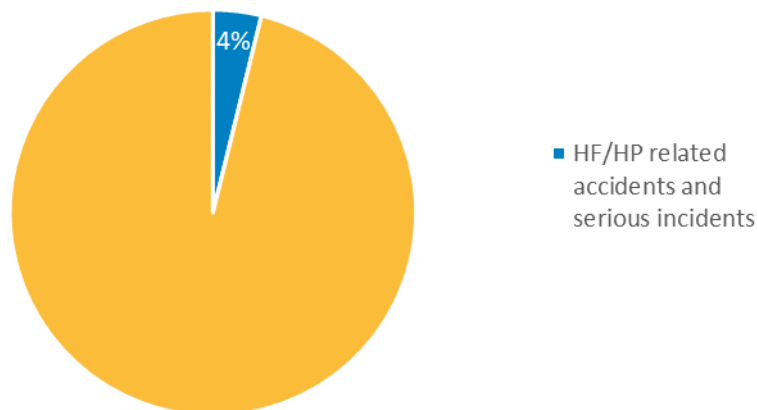
It is also worth mentioning that there are other issues that implicate balloons that are not quantified. Issues like pressure to fly and system reliability, that capture equipment and structural failures on board the balloon, have been identified as safety issues, but data is currently not available to support them. They are, however, considered relevant, especially the aging structures issue as the taxonomy does not currently support the coding of such events. The aging structures issue was raised in 2021 because many balloons are kept in storage for a long time. This can affect the integrity of the balloon if the storage facility used is insufficient. It is important that balloon operators consider the condition of their aircraft before flying and ensure safe and dry storage of the aircraft, and that all parts are within set time or material limits according to their approved airworthiness limitations. It is also known that pressure to fly can be significant in ballooning as the pilot usually does not get paid unless he/she flies. Every flight needs to be carefully prepared with special attention to the weather forecast and development en-route.



Appendix 4 Figure 1 Safety issues by aggregated ERCS score and numbers of accidents and serious incidents involving balloons

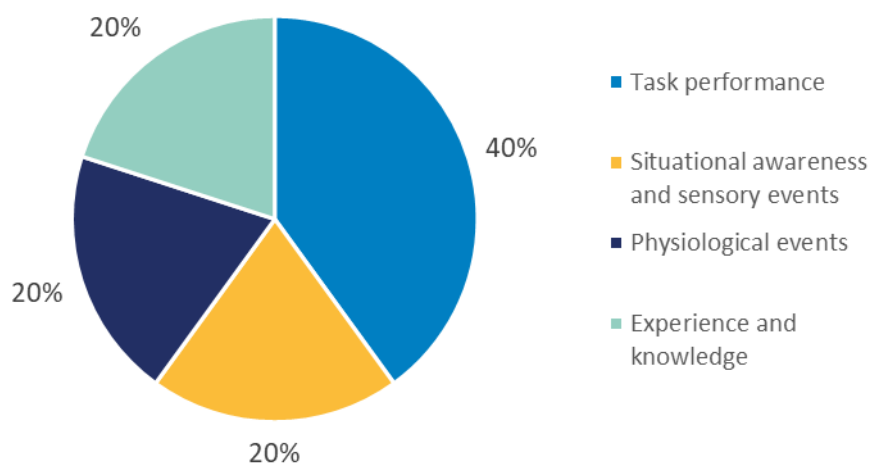
2 Human factors and human performance

Out of 125 accidents and serious incidents involving balloons over the period 2018-2022, five identified HF or HP issues and these are labelled as personnel occurrences in the ECCAIRS taxonomy. It is important to highlight that the HF and HP issues are often not recorded within accident and serious incident reports until the final report is published. In addition, there are often less data available to investigators owing to the lack of recording devices on board aircraft in this category.



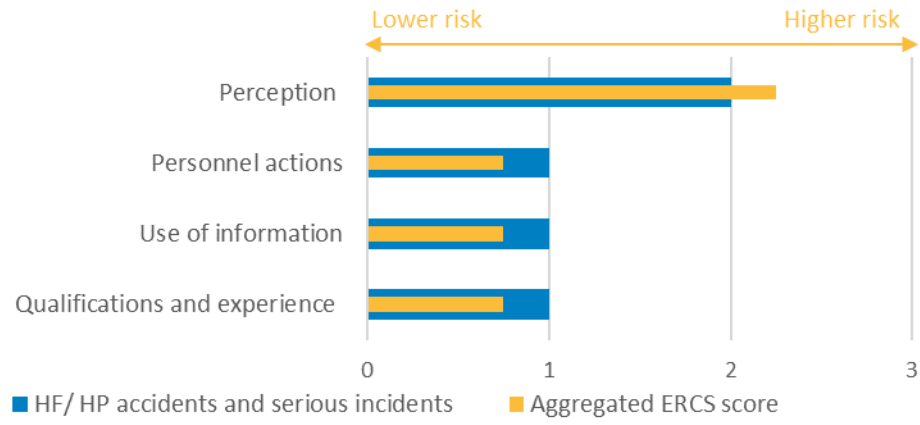
Appendix 4 Figure 2 HF and HP accidents and serious incidents involving balloons

The application of HF or HP codes at a high level can be seen in Appendix 4 Figure 3. Issues relating to situational awareness and sensory events are more commonly experienced, reported or discernible following an accident or serious incident than the factors that cause them. Sensory events are those where the way that humans sense their environment misleads them.



Appendix 4 Figure 3 High-level HF and HP event codes applied to accidents and serious incidents involving balloons

Appendix 4 Figure 4 compares the number of accidents and serious incidents with the aggregated ERCS risk score of the occurrences, using detailed HF and HP event codes. Some types of events have a greater risk than others, as indicated where the aggregated risk score is far higher than the number of accidents and serious incidents (perception vs the other three types).

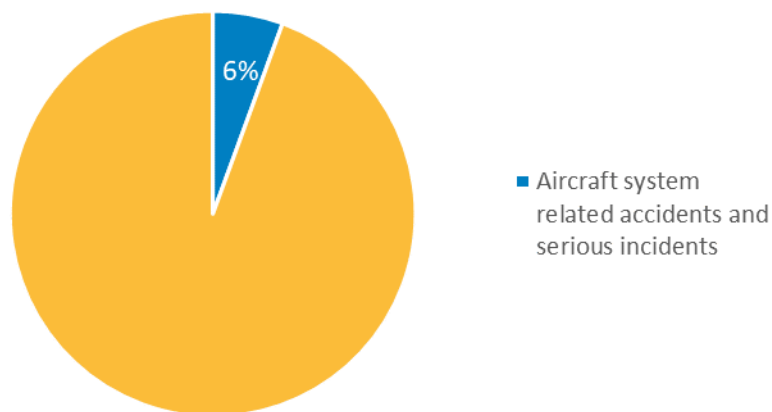


Appendix 4 Figure 4 Detailed HF and HP event codes by aggregated ERCS score and number of accidents and serious incidents involving balloons

3 Airworthiness

There were 125 serious incidents and accidents involving balloons over the period 2018-2022.

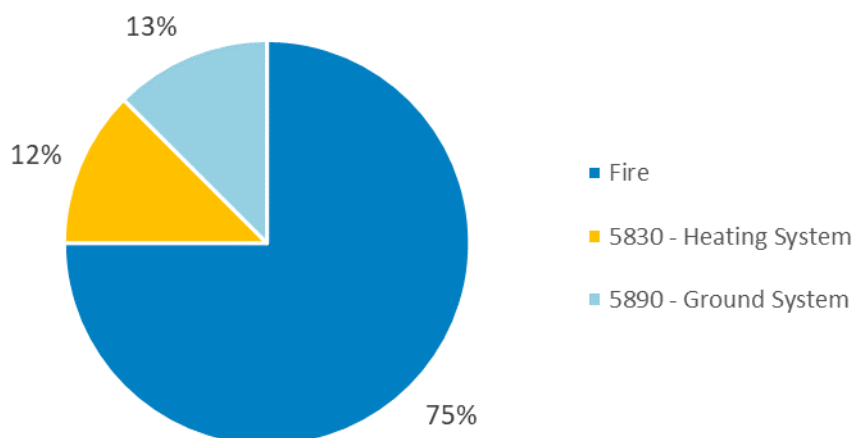
Appendix 4 Figure 5 provides the percentage of serious incidents and accidents that were aircraft systems related. Around one report out of fifteen (7) identified that the loss or malfunction of an aircraft system contributed to the occurrence. This number includes reports where the loss or malfunction of the aircraft system is the cause of the occurrence (e.g., engine failure).



Appendix 4 Figure 5 Aircraft system related accidents and serious incidents involving balloons

Appendix 4 Figure 6 provides the list of the three values for the event type 'equipment' and shows their relative distribution in terms of number of accidents and serious incidents.

Amongst the seven serious incidents and accidents where the loss or malfunction of an aircraft system was identified in the occurrence, the value 'fire' was coded in six instances, capturing post-impact fires (e.g., after collision with power lines) as well as fires resulting from system failure (e.g., heating system failure). The serious incident where no fire occurred was the collision of a balloon with a building after the untimely release of one of the ropes that tied the balloon to the ground. The two aircraft systems involved in the serious incidents and accidents were the balloon tether equipment and the heating system.



Appendix 4 Figure 6 Aircraft system related accidents and serious incidents per ATA chapter involving balloons

From these seven serious incidents and accidents, while none of the occurrences were attributed to an airworthiness issue, the final report of the fatal accident, where the heating system was involved, indicated the use of an unauthorized fuel hose/ manifold assembly and a thread adapter. The fracture of this thread adapter caused the ignition of the escaping gas.

Appendix 5

Advanced statistics for sailplanes

This appendix covers the advanced statistics for sailplane operations where the state of registry of the aircraft is an EASA MS.

The first section outlines the safety issues that have been identified from occurrence data. Safety issues are safety deficiencies related to one or more hazards and are the manifestation of a hazard or combination of several hazards in a specific context. In terms of safety performance, the safety issues are the Tier 2+ SPIs and are prioritised based on their aggregated risk contribution using the European Risk Classification Scheme (ERCS). The occurrences related to individual safety issues are identified by mapping event types in the European Co-ordination Centre for Accident and Incident Reporting Systems (ECCAIRS) taxonomy to each safety issue.

The two other sections provide an overview of the Human Factors (HF) and Human Performance (HP) issues, as well as an overview of the airworthiness issues.

The term HF describes human characteristics, abilities, and limitations. The knowledge of HF is used throughout the aviation industry to design systems, equipment and work in ways that support humans in performing at their best. HP refers to how people perform their tasks. Following safety occurrences, HF and HP knowledge can also be used diagnostically to better understand what went wrong, what went right and, more importantly, to understand how to prevent such occurrences from happening again. Within the EASA occurrence data, HF and HP have been identified as having contributed to accidents and serious incidents, based on information derived from investigation reports. The same ECCAIRS taxonomy that helps us to identify our safety issues and KRAs also provides us with HF and HP codes. This taxonomy groups event types at different levels, so that all the issues relating to personnel are grouped at the highest level into 'personnel'. The personnel issues are then further subdivided into four categories: experience and knowledge events, physiological events, situational awareness and sensory events, and personnel task performance events. A further two levels of subdivision exist, providing increasing granularity on the type of HF or HP issues identified.

The term airworthiness includes aircraft design, aircraft production, and aircraft maintenance. Within the EASA occurrence data, airworthiness is identified as having contributed to accidents and serious incidents, based on information derived from investigation reports. The attribute 'event type' in the ECCAIRS taxonomy allows regulators and industry to code the causes and contributing factors to accidents and serious incidents. The first level of airworthiness analysis shows the contribution of aircraft system loss and malfunction to accidents and serious incidents, including the distribution of the main ATA chapters. A second level of analysis goes a step further, showing the contribution of design, production, and maintenance to aircraft system loss and malfunction, i.e., highlighting the systemic root cause of a system or equipment failure.

1 Safety issues identified from occurrence data

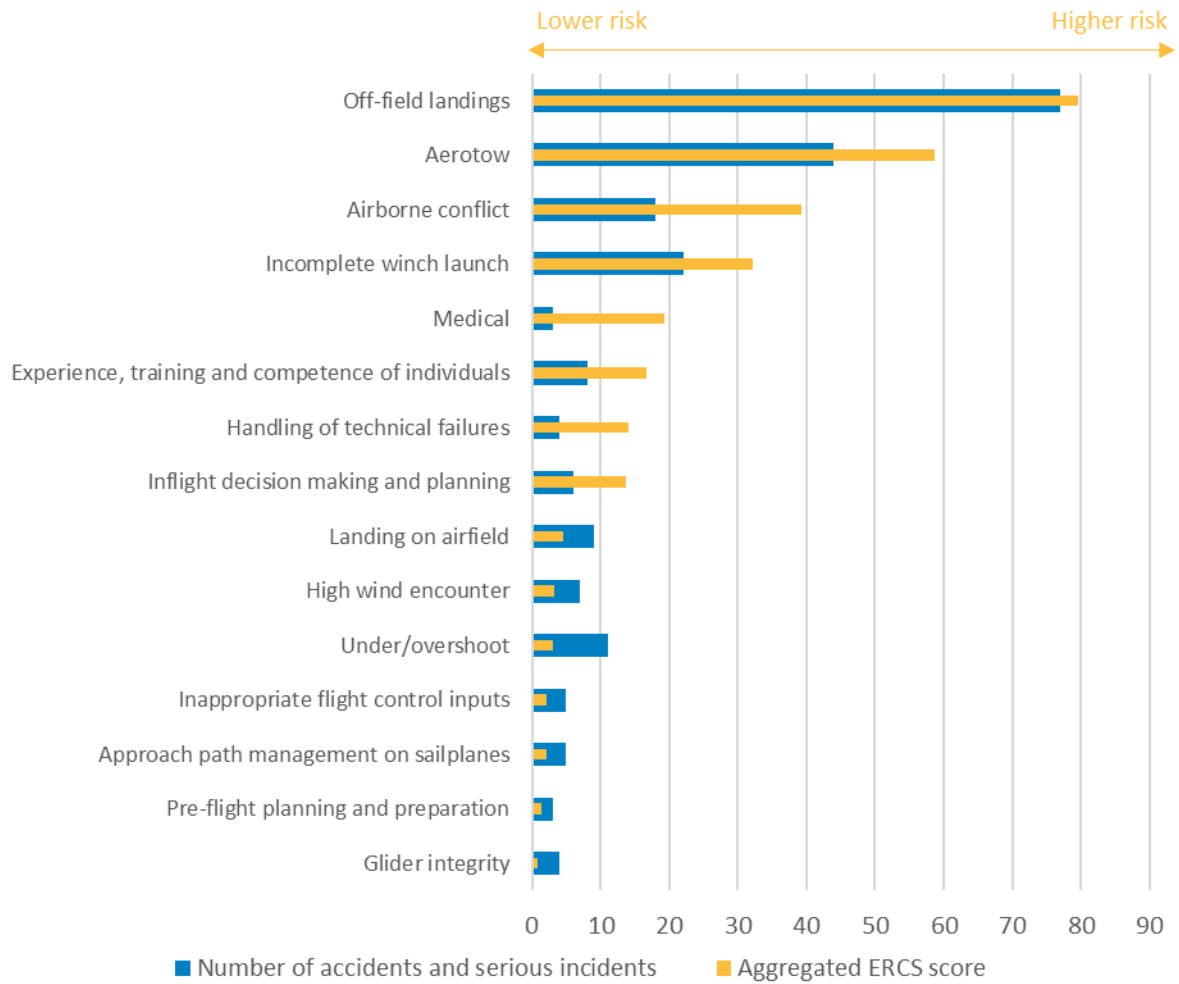
The safety issues for sailplanes identified by EASA are derived from accident and serious incident data from the EASA occurrence repository, covering the period 2018-2022 (226 occurrences).

The identified safety issues in Appendix 5 Figure 1 show the number of occurrences behind the safety issue as well as the aggregated ERCS risk score for the same occurrences. Note that each occurrence can be reflected in more than one safety issue.

When exploring the identified safety issues, it can be observed, based on the reported occurrences, that off-field landings bear the highest number of occurrences (77 in total) and the highest risk as well. These occurrences appear mainly in four KRAs; aircraft upset, obstacle collision in flight, terrain collision, and excursions, in that order. The aerotow safety issue (44 occurrences) is very strongly linked to the aircraft upset KRA (34 occurrences in total). Airborne conflict (18 occurrences) is mostly related to other traffic in the vicinity, and the need for the pilot and aircraft to be seen and see others, while regularly reporting your location on the radio. The fourth highest risk involves strongly related issues, which are before mentioned aerotow and incomplete winch launch.

The main risk during an aerotow take-off has to do with the coordination between the towing and sailplane pilots. For example, if the sailplane pilot does not keep a correct track behind the towing aircraft it can result in a loss of control of the towing aircraft. Winch launches run the risk of the wing hitting the ground during the take-off run causing the aircraft to cartwheel and crash. The take-off angle during a winch launch is also critical to maintaining the structural load within limits. The fifth issue is medical. It has only three occurrences behind it, but they are usually fatal and therefore it bears a high risk. The experience, training, and competence of pilots (8 occurrences) does play a role in some of the accidents and serious incidents resulting in, for example, inappropriate flight control inputs, inflight decision-making and planning and handling of technical failures. This is also reflected in reactions to high wind encounters and under/overshoot occurrences.

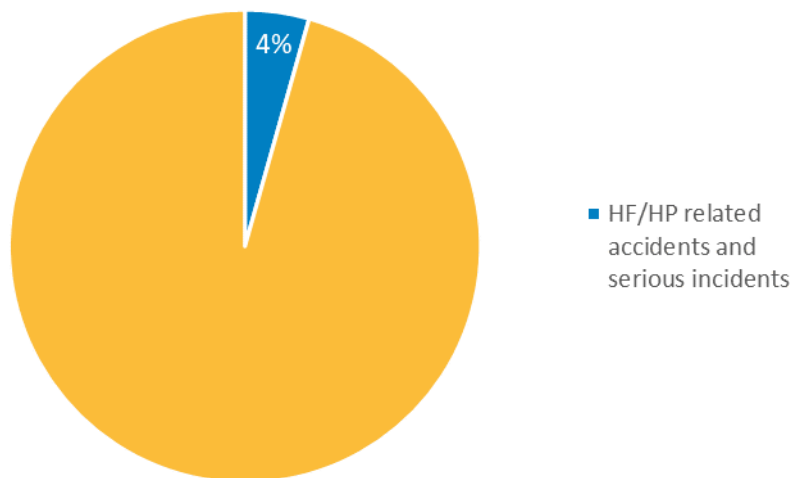
The European Gliding Union has published a safety message to the gliding community regarding the rigging (assembling) process of the sailplane. This process is covered in the glider integrity safety issue. As can be seen in Appendix 5 Figure 1 there are not many occurrences behind it and the risk is fairly low. However, in 2022 there was an accident in the United Kingdom where a failure in the rigging caused a fatal accident, where the elevator controls had not been connected. As the United Kingdom is not included in the dataset, that accident is not visible in the figure. Similar accidents occurred both in Germany and France in 2022. There is still a need to highlight that sailplane pilots should ensure the correct rigging of their aircraft by setting up a separate process of checking the aircraft after it has been rigged. Ensuring the correct function of the flight controls and the correct position of the locking pins and to do so without distraction.



Appendix 5 Figure 1 Safety issues by aggregated ERCS score and numbers of accidents and serious incidents involving sailplanes

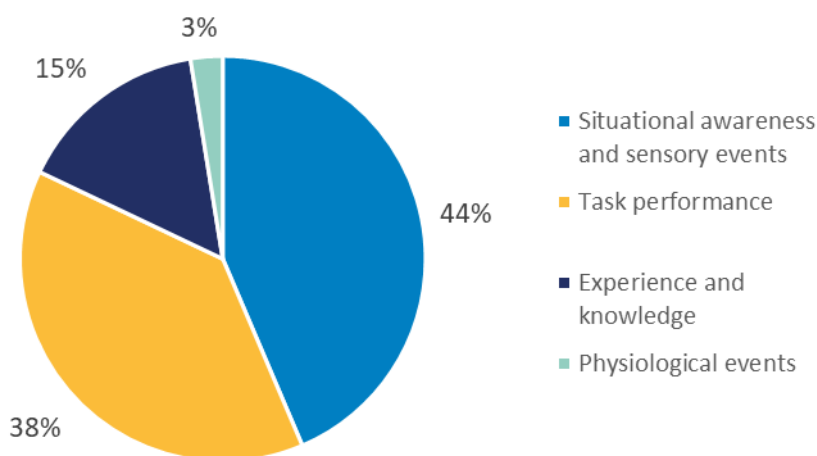
2 Human factors and human performance

Approximately 4% of non-commercially operated sailplanes accident and serious incident reports identify HF or HP issues, these are labelled as personnel events in the ECCAIRS taxonomy, as illustrated in Appendix 5 Figure 2. The dataset used in this chapter contains both non-powered and powered sailplanes but excludes ultralight sailplanes.



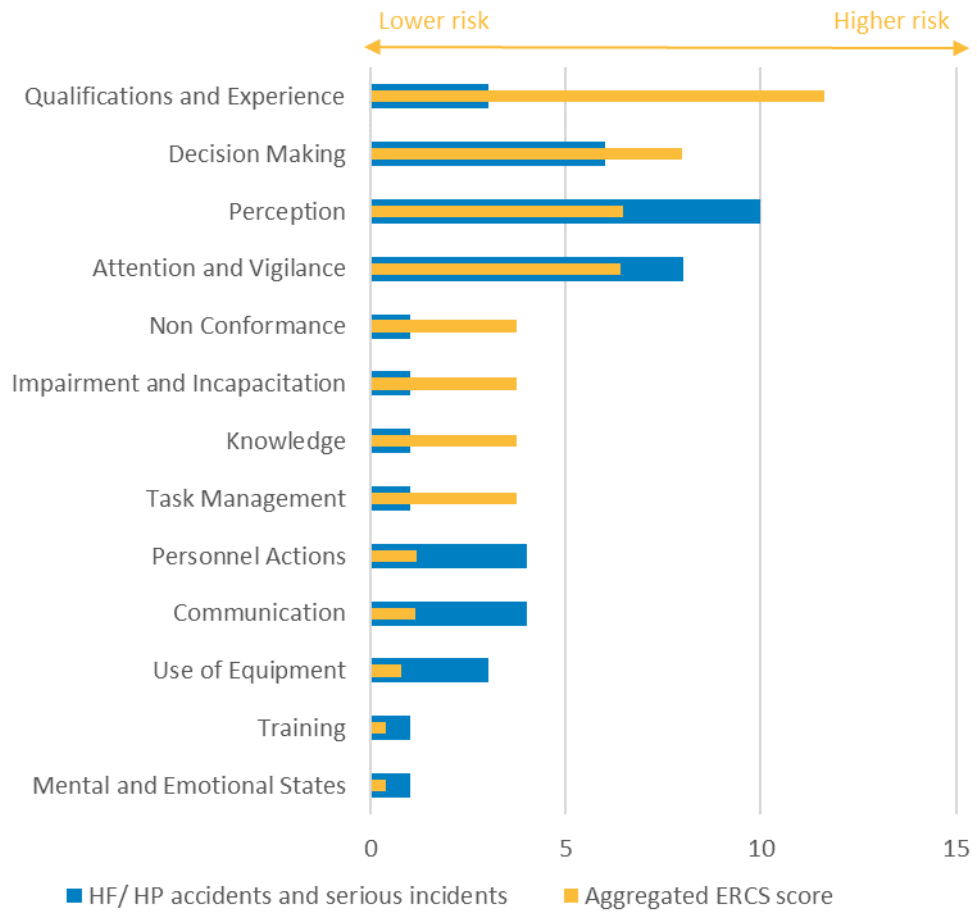
Appendix 5 Figure 2 HF and HP accidents and serious incidents involving sailplanes

The application of HF or HP codes at a high level can be seen in Appendix 5 Figure 3. As with many of the domains in this review, situational awareness, personnel task performance and sensory events are the most coded high-level HF and HP event types. Physiological events remain less recognised, experienced, or coded.



Appendix 5 Figure 3 High level HF and HP event codes applied to accidents and serious incidents involving sailplanes

Appendix 5 Figure 4 compares the number of accidents and serious incidents with the aggregated ERCS risk score of those incidents, using detailed HF and HP event codes. Some events have a greater risk than others, as indicated where the aggregated risk score is far higher than the number of accidents and serious incidents. Qualifications, experience, and decision-making stand out as the HF and HP event types having the highest aggregated risk score and low occurrence rate in the domain of sailplanes, whilst perception events are most frequently identified.

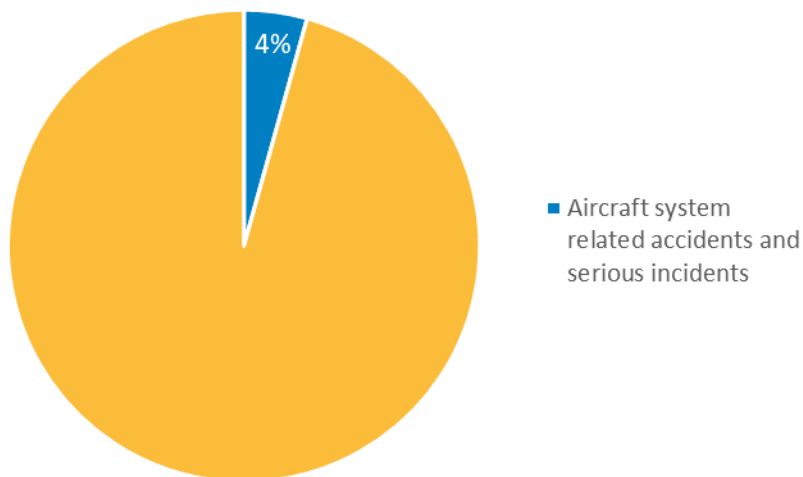


Appendix 5 Figure 4 Detailed HF and HP event codes by aggregated ERCS score and numbers of accidents and serious incidents involving sailplanes

3 Airworthiness

There were 1017 serious incidents and accidents involving sailplanes over the period 2018-2022.

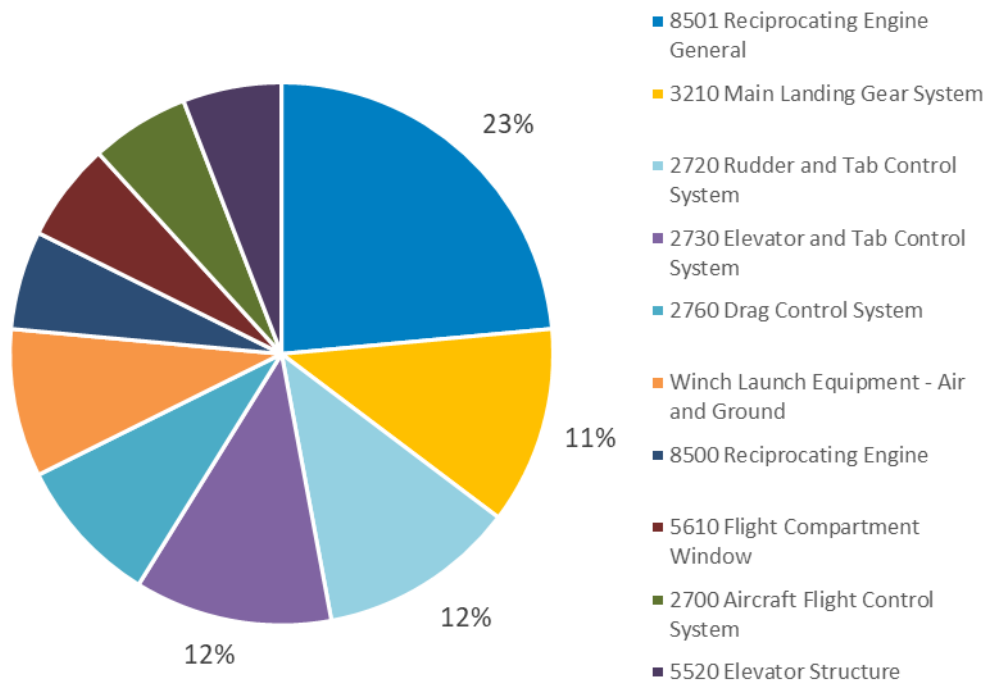
Appendix 5 Figure 5 provides the percentage of the serious incidents and accidents that were aircraft systems related. Around one report out of twenty-five (44) identified that the loss or malfunction of an aircraft system contributed to the occurrence. This number includes reports where the loss or malfunction of the aircraft system is the cause of the occurrence (e.g., loss of horizontal stabiliser) and reports where the aircraft system is adversely affected by another event (e.g., damage to the main landing gear system after a hard landing).



Appendix 5 Figure 5 Aircraft system related accidents and serious incidents involving sailplanes

Appendix 5 Figure 6 provides the list of the first 10 values for the event type 'equipment' and shows their relative distribution in terms of the number of accidents and serious incidents.

Amongst the 44 serious incidents and accidents where the loss or malfunction of an aircraft system was identified in the occurrence, the main affected aircraft systems were; reciprocating engine (10), main landing gear system (4), rudder and tab control system (4), elevator and tab control system (4), drag control system (3), and winch launch equipment - air and ground (3).



Appendix 5 Figure 6 Aircraft system-related accidents and serious incidents per ATA chapter involving sailplanes

From these 44 serious incidents and accidents, four were attributed to an airworthiness issue, one to aircraft design, and four to aircraft maintenance (one occurrence combined with aircraft design and aircraft maintenance).

The aircraft design issue related to an elevator system failure because of an incorrect installation (a design modification was later introduced to reduce the likelihood of incorrect installation).

The aircraft maintenance issues related to various root causes, including:

- Servicing not carried out resulting in the loss of horizontal stabiliser;
- Suspected unapproved fuel pump installed combined with engine overhaul performed by an unauthorised maintenance organisation;
- Incorrect installation of an elevator system not detected during the pre-flight test.

Appendix 6

Advanced statistics for aerodromes and ground handling

This appendix covers the advanced statistics for aerodrome and groundhandling operations in EASA Member States (MS).

The first section outlines the detailed distribution of the type of operational safety events related to aerodrome and groundhandling operations, that have been identified in the accidents and serious incidents.

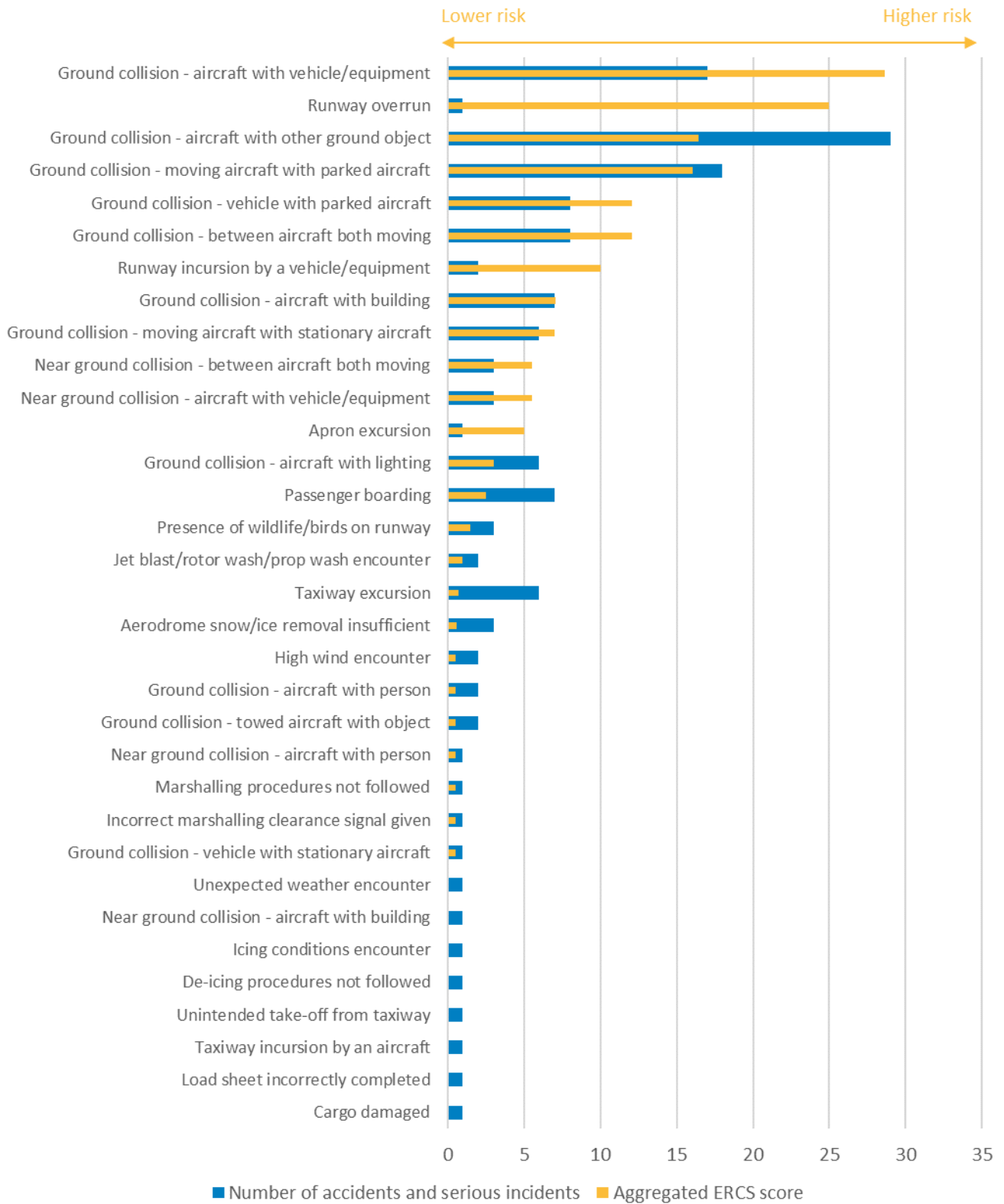
The other section provides an overview of the human factors (HF) and human performance (HP) issues. The term human factors describes human characteristics, abilities and limitations. The knowledge of HF is used throughout the aviation industry to design systems, and equipment and work in ways that support humans in performing at their best. HP refers to how people perform their tasks. Following safety occurrences, HF and HP knowledge can also be used diagnostically to better understand what went wrong, what went right and, more importantly, to understand how to prevent such occurrences from happening again. Within the EASA occurrence data, HF and HP have been identified as having contributed to accidents and serious incidents, based on information derived from investigation reports. The same European Co-ordination Centre for Accident and Incident Reporting Systems (ECCAIRS) taxonomy that helps us to identify our safety issues and key risk areas also provides us with HF and HP codes. This taxonomy groups event types at different levels, so that all the issues relating to personnel are grouped at the highest level into 'personnel'. The personnel issues are then further subdivided into four categories: experience and knowledge events, physiological events, situational awareness and sensory events, and personnel task performance events. A further two levels of subdivision exist, providing increasing granularity on the type of HF or HP issues identified.

1 Type of operational safety event identified from occurrence data

Contrary to the other appendices of the document developed for other aviation domains, the analysis shown in this appendix does not depict the list of safety issues for the domain, as the aerodrome and groundhandling safety issues are currently under a reviewing and updating exercise.

Therefore, pending the completion of the revision of the list of safety issues, Appendix 6 Figure 1 shows, based on the last 5 years of data (149 occurrences), the detailed distribution of the type of operational safety events identified in the accidents and serious incidents of the domain. This distribution is based on the values coded for the attribute 'Event Type' of the ECCAIRS taxonomy.

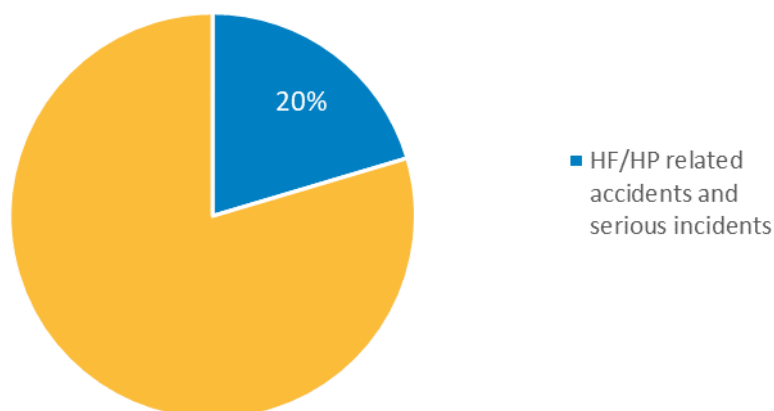
For each type of aerodrome and groundhandling operational safety event, the number of occurrences for which this event was identified, as well as the aggregated safety risk of these occurrences using the European Risk Classification Scheme (ERCS), are provided. A yellow bar in the graph that is considerably longer in comparison with the underlying blue bar indicates a low number of occurrences contributing to a high risk.



Appendix 6 Figure 1 Type of operational safety event by aggregated ERCS score and numbers of occurrences involving aerodromes and groundhandling

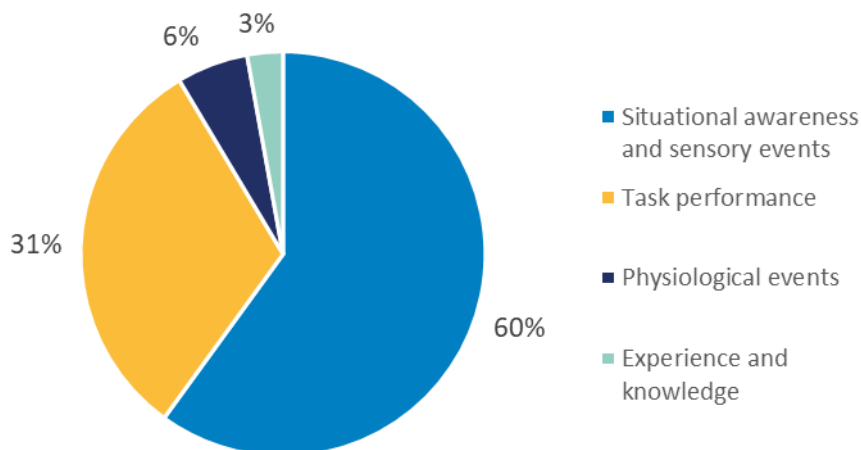
2 Human factors and human performance

Over the period 2018-2022 (149 occurrences), one-fifth of accident and serious incident reports in the aerodromes and groundhandling domain identify HF or HP issues as identified in Appendix 6 Figure 2. Both HF and HP issues are labelled as personnel occurrences in the ECCAIRS taxonomy.



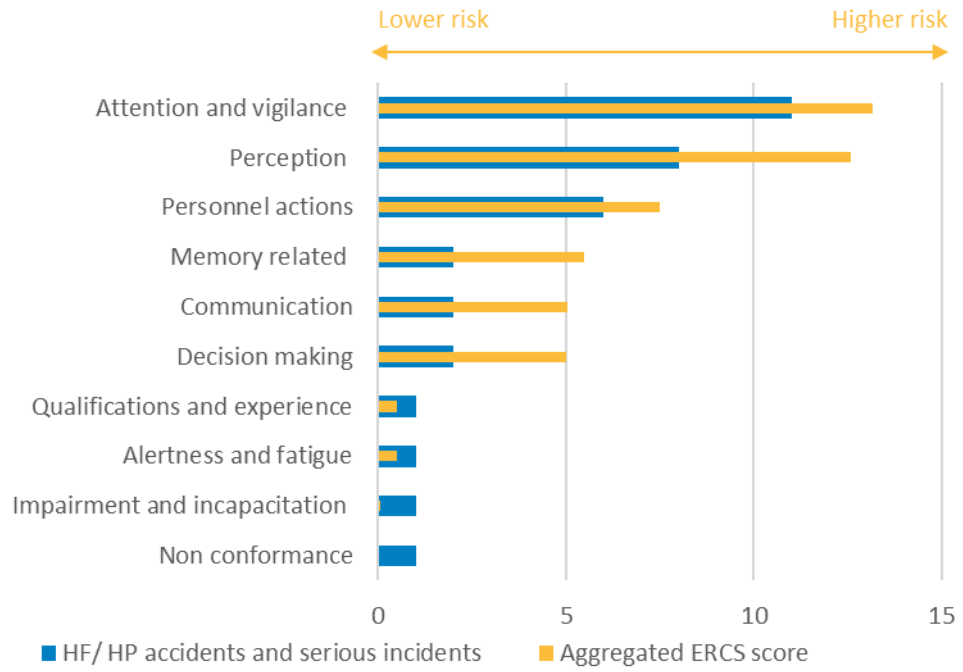
Appendix 6 Figure 2 HF and HP accidents and serious incidents involving aerodromes and groundhandling

The application of HF or HP codes at a high level can be seen in Appendix 6 Figure 3. Situational awareness and personnel task performance are the most common category of HF or HP issues applied to accidents and serious incidents involving aerodromes and groundhandling. These may be more easily discernible in an investigation than the factors that cause them.



Appendix 6 Figure 3 High-level HF and HP event codes applied to accidents and serious incidents involving aerodromes and groundhandling

Appendix 6 Figure 4 compares the numbers of accidents and serious incidents with the aggregated ERCS risk score of those occurrences, using detailed HF and HP event codes. Some events carry a greater safety risk than others, as indicated when the aggregated risk score is far higher than the number of accidents and serious incidents.



Appendix 6 Figure 4 Detailed HF and HP event codes by aggregated ERCS score and number of accidents and serious incidents involving aerodromes and groundhandling

Appendix 7

Advanced statistics for ATM/ANS

This appendix covers the advanced statistics for Air Traffic Management or Air Navigation Services (ATM/ANS) in EASA Member States (MS).

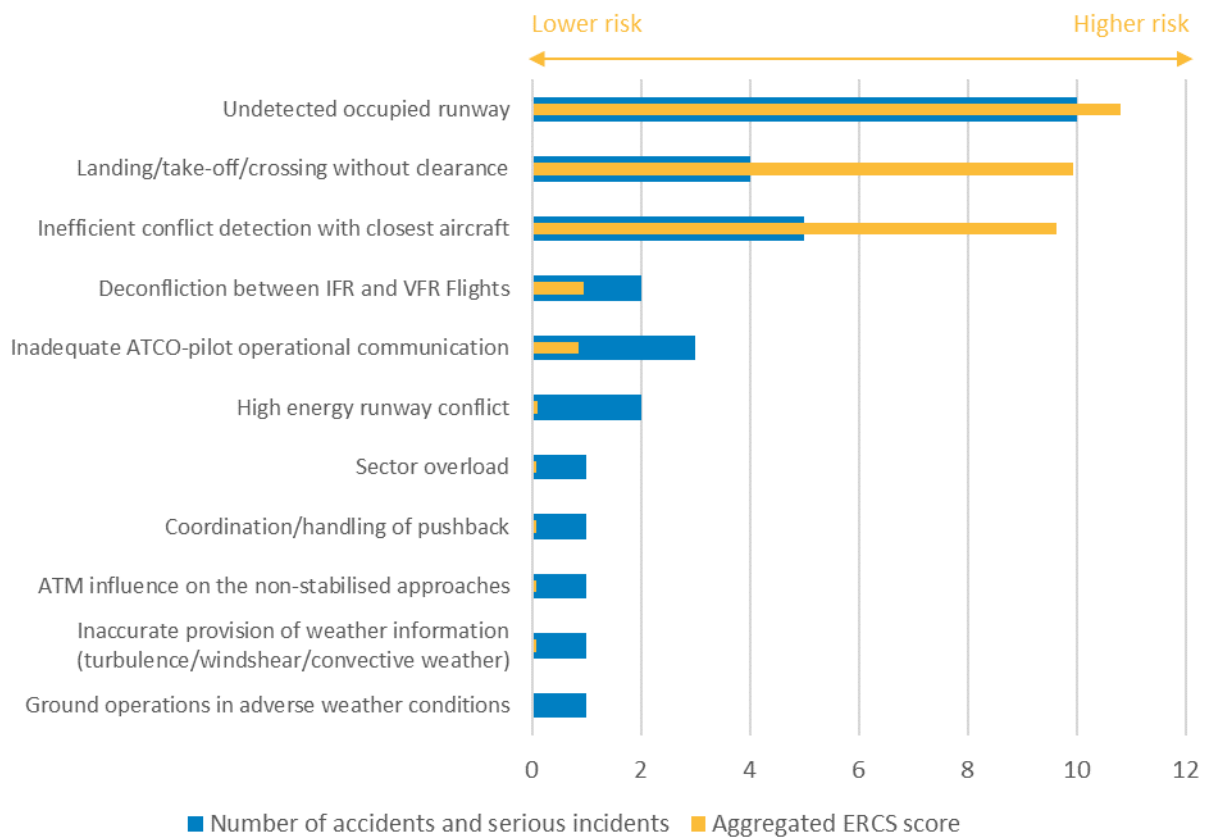
The first section outlines the safety issues that have been identified from occurrence data. They are provided per type of operation. Safety issues are safety deficiencies related to one or more hazards and are the manifestation of a hazard or combination of several hazards in a specific context. In terms of safety performance, the safety issues are the Tier 2+ SPIs and are prioritised based on their aggregated risk contribution using the European Risk Classification Scheme (ERCS). The occurrences related to individual safety issues are identified by mapping event types in the European Co-ordination Centre for Accident and Incident Reporting Systems (ECCAIRS) taxonomy to each safety issue.

The other section provides an overview of the Human Factors (HF) and Human Performance (HP) issues. The term HF describes human characteristics, abilities and limitations. The knowledge of HF is used throughout the aviation industry to design systems, equipment and work in ways that support humans in performing at their best. HP refers to how people perform their tasks. Following safety occurrences, HF and HP knowledge can also be used diagnostically to better understand what went wrong, what went right and, more importantly, to understand how to prevent such occurrences from happening again. Within the EASA occurrence data, HF and HP have been identified as having contributed to accidents and serious incidents, based on information derived from investigation reports. The same ECCAIRS taxonomy that helps us to identify our safety issues and KRAs also provides us with HF and HP codes. This taxonomy groups event types at different levels, so that all the issues relating to personnel are grouped at the highest level into 'personnel'. The personnel issues are then further subdivided into four categories: experience and knowledge events, physiological events, situational awareness and sensory events, and personnel task performance events. A further two levels of subdivision exist, providing increasing granularity on the type of HF or HP issues identified.

1 Safety issues identified from occurrence data

The safety issues for ATM/ANS are identified from accident and serious incident data from the EASA occurrence repository and the ECR, covering the 5-year period 2018-2022.

The accidents and serious incidents in the data set were mapped to the list of safety issues, along with their associated ERCS score. A yellow bar in the graph that is considerably longer in comparison with the underlying blue bar indicates a low number of occurrences contributing to high risk. The results of this mapping exercise can be found in Appendix 7 Figure 1.

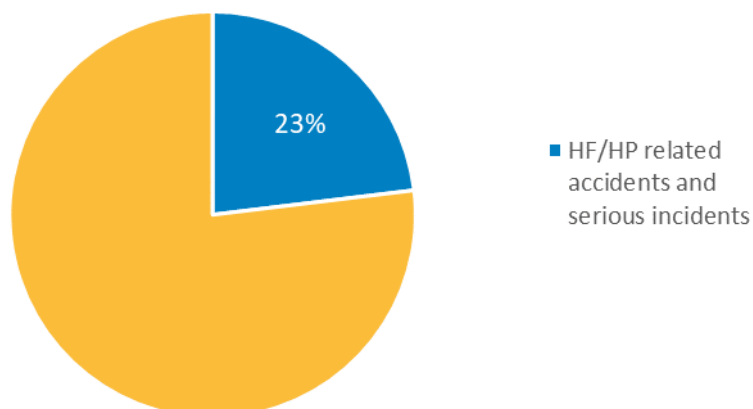


Appendix 7 Figure 1 Safety issues by aggregated ERCS score and numbers of accidents and serious incidents for ATM/ANS safety issues

The safety issues with the highest risk score identified in Appendix 7 Figure 1, based on the data, are 'Undetected occupied runway', 'Landing/take-off/crossing without a clearance' and 'Inefficient conflict detection with closest aircraft'. The most prominent change for safety issues since the last year's ASR is that the safety issue 'Deconfliction between IFR and VFR flights' moved down the list, while 'undetected occupied runway' became the safety issue with the highest risk score in the ATM/ANS portfolio.

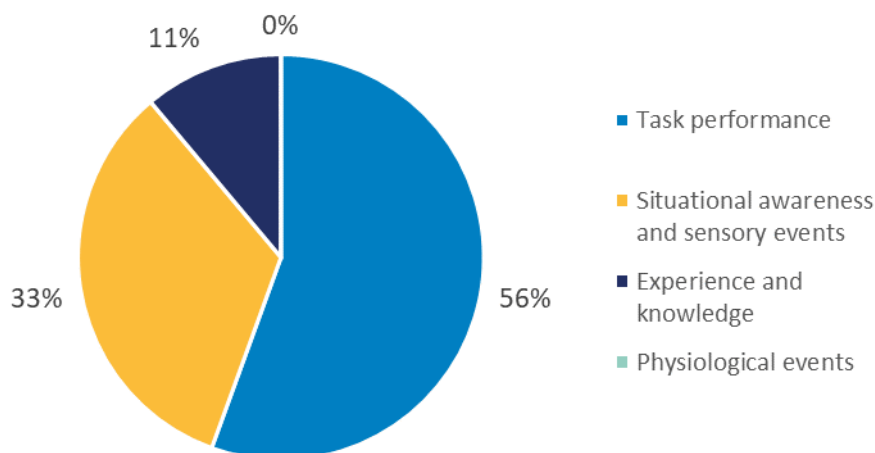
2 Human factors and human performance

As indicated in Appendix 7 Figure 2, about a quarter of ATM/ANS accident and serious incident reports, over the period 2018-2022, identify HF or HP issues, labelled as personnel occurrences in the ECCAIRS taxonomy. The ASR 2023 statistics for ATM/ANS domain solely examine accidents and serious incidents with ATM/ANS contribution.



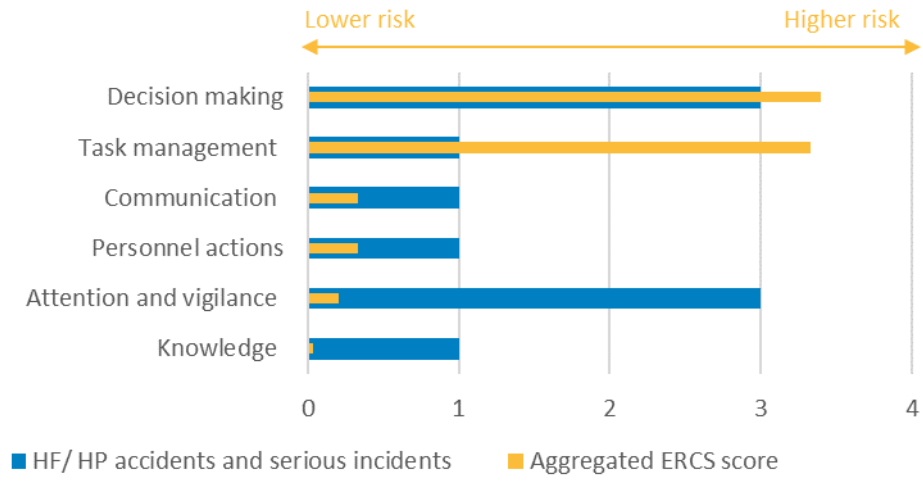
Appendix 7 Figure 2 HF and HP accidents and serious incidents involving ATM/ANS

The application of HF or HP codes at a high level for the last 5 years can be seen in Appendix 7 Figure 3. Clearly, task performance issues are more easily discernible following an accident or incident than the factors that cause them.



Appendix 7 Figure 3 High level HF and HP event codes applied to accidents and serious incidents involving ATM/ANS

Appendix 7 Figure 4 compares the number of accidents and serious incidents with the aggregated ERCS risk score of those occurrences, using detailed HF and HP event codes. Appendix 7 Figure 4 indicates that some types of events have a greater risk than others, as shown where the aggregated risk score is far higher than the number of accidents and serious incidents. Whilst attention and vigilance events are more often reported, task management events stand out as HP event types with higher aggregated risk scores than the number of occurrences would generally suggest. Decision-making and task management events show the highest aggregated risk scores, but task management events stand out as this event type shows a higher aggregated risk score than the number of occurrences would suggest. Conversely, attention and vigilance events, though more often reported, show a lower aggregated risk score.



Appendix 7 Figure 4 Detailed HF and HP event codes by aggregated ERCS score and number of accidents and serious incidents involving ATM/ANS

**EUROPEAN UNION AVIATION SAFETY AGENCY
SAFETY INTELLIGENCE
DEPARTMENT**

Catalogue number
TO-AA-23-001-EN-N

ISBN
978-92-9210-281-4

ISSN
2314-9272

DOI
10.2822/83672

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