

ECCAIRS 4.2.8

Data Definition Standard

Events

The ECCAIRS 4 events are based on ICAO's ADREP 2000 taxonomy. They have been organised at four hierarchical levels. An event can be defined at each desired level. For each element three descriptions are given: detailed description (the complete name of the element), short description (the name of the element as to be presented on screen or in the reports, normally in the context of the section and with a limited length) and finally explanation (the formal definition/explanation of the element including references to where it has been defined etc.)

ID	Detailed description	Short description
<i>Explanation</i>		
ID	Detailed description	Short description
<i>Explanation</i>		
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<i>Explanation</i>		

ECCAIRS 4	Events	Data Definition Standard
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1000000	Aircraft/system/component related event	Aircraft/system/component
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An event related to the aircraft as a whole or a system within the aircraft or one of the aircraft's components. Moved one level up. This will avoid that the triggering of a genuine warning will be related to the handling of the aircraft by the flight crew. This relation was deemed inappropriate by the user community. From 427 HF 1. Old data should be recorded to reflect the move.

1010000	Aircraft performance related event (ATA Code:0100)	0100 Aircraft performance
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(ATA Code:0100) An event involving the published performance of the aircraft.

1010100	Degraded performance (ATA Code:0101)	0101 Degraded performance
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(ATA Code:0101) An event in which the aircraft fails to achieve its published performance.

1090000	Towing and taxiing equipment related event (ATA Code:0900)	g & taxiing equipment related
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(ATA Code:0900) An event involving equipment of the aircraft specifically used for the towing and taxiing.

1091000	Towing related event (ATA Code:0910)	0910 Towing
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(ATA Code:0910) An event involving the equipment of the aircraft used for towing.

1091001	Tow bar/tow cable break	Tow bar/cable break
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An event involving a failure of the tow bar or tow cable. Note: This covers towing on the aerodrome by trucks as well as towing aircraft by other aircraft.

1100000	Parking and mooring related event (ATA Code:1000)	1000 Parking & mooring
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(ATA Code:1000) An event involving parking or mooring equipment of the aircraft.

1110000	Placarding related event (ATA Code:1100)	1100 Placarding
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(ATA Code:1100) An event involving any placards, decals or markings installed by the manufacturer including those required by government regulations. The location of the item is essential. e.g. the "closed and locked" decal is missing from the main passenger entrance door.

1120000	Servicing related event (ATA Code:1200)	1200 Servicing
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(ATA Code:1200) An event involving the servicing of the aircraft.

1180000	1800 Helicopter vibration / noise analysis systems related event	pter vibration / noise analysis
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1180100	1810 Helicopter vibration analysis system related event) Helicopter vibration analysis
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1182000	1820 Helicopter noise analysis system related event)20 Helicopter noise analysis
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1820 Helicopter noise analysis system related event

1210000	Air conditioning and pressurization system related event (ATA Cod	conditioning & pressurization
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(ATA Code:2100) An event involving miscellaneous parts that cannot be associated with specific air conditioning, pressurization, or distribution codes e.g. lines or hoses. Also, for those units and components furnishing a means of pressurizing, heating, cooling, moisture controlling, filtering, and treating the air used to ventilate areas of the fuselage within the pressure vessel.

1210100	Cabin cooling system (ATA 2150)	2150 Cabin cooling system
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Cabin cooling system (ATA 2150): The units and systems supplying cooled air to the cockpit or cabin. Does not include the temperature control and indicating system. Typical parts are flow valve, relay, condenser, ram air sensor, heat exchanger, cooling turbine, air cycle machine, etc.

1210101	Equipment Cooling System (ATA 2158)	3 Equipment Cooling System
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Equipment Cooling System (ATA 2158)

1220000	Autoflight system related event (ATA Code:2200)	2200 Autoflight system
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(ATA Code:2200) An event involving the units and components that furnish a means of automatically controlling flight of the aircraft. Includes those units and components controlling direction, heading, attitude, altitude, and speed.

1230000	Communication systems related event (ATA Code:2300)	2300 Communication system
<i>(ATA Code:2300) An event involving the units and components furnishing a means of communicating from one part of the aircraft to another and between the aircraft or ground stations, includes voice, data, continuous wave communicating components, passenger announcement systems, intercom, in-flight telephones, and tape reproducers/record player.</i>		
1240000	Electrical power system related event (ATA Code:2400)	2400 Electrical power system
<i>(ATA Code:2400) An event involving the electrical units and components that generate, control, and supply AC/DC electrical power for other systems through the secondary busses.</i>		
1250000	Aircraft furnishing related event (ATA Code:2500)	2500 Aircraft furnishing
<i>(ATA Code:2500) An event involving the removable items of equipment and furnishings mounted or contained in the flight, passenger, cargo and accessory compartments.</i>		
1251000	Flight compartment related event (ATA Code:2510)	2510 Flight compartment
<i>(ATA Code:2510) An event involving the removable equipment and furnishings within the cockpit or crew station of a general nature e.g. seats, shoulder harnesses, take-up harness reels, seat belts, sun visors, panels, map case, attachment brackets and hardware.</i>		
1252000	Passenger compartment related event (ATA Code:2520)	2520 Passenger compartment
<i>(ATA Code:2520) An event involving the removable equipment and furnishings within the cabin of a general nature, e.g. seats, seat belts, hat rack, coat closet, panel and passenger comfort items such as personal blankets and pillows.</i>		
1253000	Buffet/galleys related event (ATA Code:2530)	2530 Buffet/galleys
<i>(ATA Code:2530) An event involving the galley equipment. Typical parts are hot plate, coffee pot, food carts, ovens, tray, pad, relay, switch, connector and dispenser.</i>		
1254000	Lavatories related event (ATA Code:2540)	2540 Lavatories
<i>(ATA Code:2540) An event involving the units and associated systems and parts located in lavatories, e.g. trash containers and dispensers.</i>		
1255000	Cargo compartment related event (ATA Code:2550)	2550 Cargo compartment
<i>(ATA Code:2550) An event involving the compartments for the storage of baggage and cargo including external mounted pods. Does not include the exterior door, hinges and latches. Typical parts are tie downs, restraint nets and equipment for loading and unloading cargo (includes rotorcraft cargo handling equipment).</i>		
<i>Note: aligned with update of ATA to 5000 series</i>		
1255900	Cargo related event (ATA Code:2559)	2559 Cargo related
<i>(ATA Code:2559) An event involving the aircraft's cargo.</i>		
1255901	Cargo leak	Cargo leak
<i>An event involving a leak from the aircraft's cargo other than a radiation leak.</i>		
1255902	Cargo shifted	Cargo shifted
<i>An event involving a shift of the aircraft's cargo after the aircraft was loaded.</i>		
1255903	Cargo smoke/fumes/fire	Cargo smoke/fumes/fire
<i>An event involving smoke, fumes or fire in the aircraft's cargo compartment. No longer used. See fire / smoke / fumes in cargo compartment.</i>		
1255904	Cargo radiation leak	Cargo radiation leak
<i>An event involving a leak of radioactive material, or radiation, from the aircraft's cargo.</i>		

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1255905	Cargo/sling load dropped	Cargo/sling load dropped
<i>Cargo/sling load dropped: to used when the dropping of the load was the rwsult of any failure. Intentional dropping of the sling load is covered under 'consequential events'. Moved to external load operations.</i>		
1256500	An event related to escape chute/slides (ATA Code:2565)	2565 Escape slide
1260000	Fire protection system related event (ATA Code:2600)	2600 Fire protection system
<i>(ATA Code:2600) An event involving the fixed and portable units and components which detect and indicate fire or smoke and store and distribute fire extinguishing agent to all protected areas of the aircraft.</i>		
1270000	Aircraft flight control related event (ATA Code:2700)	2700 Aircraft flight control
<i>(ATA Code:2700) An event involving the units and components furnishing a means of manually controlling the flight attitude characteristics of the aircraft. Also includes the functioning and maintenance aspects of the flaps, spoilers and other control surfaces, but does not include the structure. Does not include rotorcraft flight controls. Typical parts are hydraulic boost system, controls and mounting brackets.</i>		
1270100	2750 Trailing edge flap control system (ATA code 2750)	Trailing edge flap control system
<i>The system components and parts, except the actuator and position indicator which controls position and movement of wing trailing edge flaps. Typical parts are control valve, switch, flow limiter, cable, torque tube, transmission, jackscrew, bypass valve, limit switch, return spring, buss cable, etc.</i>		
1270200	Leading Edge Slat Control System (ATA 2780)	Leading Edge Slat Control System
<i>The system components and parts except the actuator and position indicating system that controls the position and movement of the wing leading edge devices used for lift augmenting. Typical parts are leading edge flaps, variable opening wing slots, priority valve, switch, cable, pulley, actuator bracket, torque shaft, regulator, etc.</i>		
1280000	Fuel system related event (ATA Code:2800)	2800 Fuel system
<i>(ATA Code:2800) An event involving the units and components storing and delivering fuel to the engine. Includes the integral tank leak detection and sealing. Does not include the structure of integral, tip fuel tanks, fuel cell backing boards, the fuel flow rate sensing, transmitting, or indicating systems.</i>		
1280100	Fuel leak (ATA Code:2801)	2801 Fuel leak
<i>(ATA Code:2801) Fuel leak: fuel escaping from broken/ruptured fuel lines, reservoirs etc</i>		
1290000	Hydraulic system related event (ATA Code:2900)	2900 Hydraulic system
<i>(ATA Code:2900) An event involving the units and components which furnish hydraulic fluid under pressure to a common point (manifold) for re-distribution to other defined systems.</i>		
1300000	Ice/rain protection system related event (ATA Code:3000)	3000 Ice/rain protection system
<i>(ATA Code:3000) An event involving the units and components which provide a means of preventing or disposing of formation of ice and rain on various parts of the aircraft.</i>		
1310000	Instruments related event (ATA Code:3100)	3100 Instruments
<i>(ATA Code:3100) An event involving the pictorial coverage of all instrument panels and controls. Procedural coverage of those systems which give visual or aural warning of conditions in systems which record, store, or compute data from unrelated systems. Includes the system or units which integrate indicating instruments into a central display system not related to any specific system.</i>		
1313000	Data recording related event (ATA Code:3130)	3130 Data recording
<i>(ATA Code:3130) An event involving the unit which continuously records critical flight, aircraft and powerplant system data, e.g. attitude, air speed, altitude or engine power. Includes the system and parts which provide a source of power and inputs, from various sources critical to flight, to flight data recorder. Typical parts are spool rod and magazine.</i>		

1315000 Central warning related event (ATA Code:3150) 3150 Central warning

(ATA Code:3150) An event involving the panels and associated circuitry which warn of potential problems in two or more independent or related systems. Warnings can be either audible or visual. Typical parts are annunciator panel, relay, lamp, PC board, diode and throttle micro switch.

1320000 Landing gear related event (ATA Code:3200) 3200 Landing gear

(ATA Code:3200) An event involving the units and components which furnish a means of supporting and steering the aircraft on the ground or water, and retracting and stowing the landing gear in flight. Includes the functioning and maintenance aspects of the landing gear doors.

1321000 Main landing gear related event (ATA Code:3210) 3210 Main landing gear

(ATA Code:3210) An event related to the miscellaneous parts of the main landing gear system which cannot be directly associated with a specific main gear code, such as attachment, emergency flotation or strut, axle or truck. Does not include the retraction/extension system or the doors.

1321001 Main gear partial collapse or retraction ar - Partial collapse/retraction

An event involving a collapse or retraction of the aircraft's main landing gear while it was supporting the aircraft.

1321002 Main gear complete collapse or retraction g gear - collapse or retraction

An event involving the complete gear collapse or retraction while it was supporting the aircraft.

1322000 Nose/tail landing gear related event (ATA Code:3220) 3220 Nose/tail landing gear

(ATA Code:3220) An event related to the miscellaneous parts of the nose or tail gear system which cannot be directly associated with a specific nose/tail gear code such as attachment, struts or axles. Does not include extension/retraction mechanism, steering/dampening system or doors.

1322001 Nose gear collapsed/retracted ing gear - collapsed/retracted

An event involving the collapse or retraction of the aircraft's nose gear while it was supporting the aircraft.

1324000 Wheels and brakes related event (ATA Code:3240) 3240 Wheels & brakes

(ATA Code:3240) An event related to the aircraft's wheels and brakes. Including the brake system miscellaneous parts other than the brake assembly, master cylinder, power valve, anti-skid system, the pressure source and associated system for emergency brake actuation and brake anti-ice system. Typical parts are line, hose, fitting, park brake valve and gauge.

1324100 Tyres related event (ATA Code:3244) 3244 Tyres

(ATA Code:3244) An event related to tyre defects and failures.

1324200 Brakes related event (ATA Code:3242) 3242 Brakes

(ATA Code:3242) An event involving the parts of the brake unit mounted at the wheels only. Typical parts are disc, cylinder, lining, seal, rotor and housing.

1324207 Parking brake related event Parking brake

An event involving the aircraft's parking brake.

1324214 Emergency brake related event Emergency brake

An event involving the aircraft's emergency brake.

1324400 Anti-skid system related event (ATA Code:3241) 3241 Anti-skid system

(ATA Code:3241) An event involving the system units and parts which automatically control brake pressure during landing roll to prevent tyre skidding. Typical parts are transducer, control box and valve.

1325000 Landing gear steering related event (ATA Code:3250) 3250 Landing gear steering

(ATA Code:3250) An event involving the miscellaneous system parts other than the actuator which provide for aircraft directional control on the ground. Includes main gear steering systems. Does not include wheel braking systems. Typical parts are, cable, rod end, collar, line, valve and accumulator.

1326000 Landing gear position and warning system related event (ATA Code:3260) 3260 Gear position & warning

(ATA Code:3260) An event involving the system parts which provide indication and warning of the landing gear position. Includes gear safety switches which prevent inadvertent actuation such as squat or air/ground sensor. Typical parts are relay, switch bracket, lamp, horn, up lock switch, down lock switch and in transit switch.

1327000 **Auxiliary landing gear related event (ATA Code:3270)** 3270 Auxiliary landing gear
(ATA Code:3270) An event involving the devices such as tail skids on tricycle gear aircraft used to stabilize the aircraft on the ground and to prevent ground contact damage. This code is also used for supplementary wheels on rotorcraft, skids for ground handling but not for skids or amphibian/seaplane floats, hull or associated retractable landing gear. Does not include auxiliary or emergency landing gear extension systems.

1327001 **Other gear collapsed/retracted** Other gear collapse
An event involving the collapse or retraction of gear other than the nose, tail or main gear, while it is supporting the weight of the aircraft.

1330000 **Aircraft lighting related event (ATA Code:3300)** 3300 Aircraft lighting
(ATA Code:3300) An event involving the units and components which provide for external and internal illumination. Includes light fixtures, switches and wiring. Does not include warning lights for individual systems.

1340000 **Navigation systems related event (ATA Code:3400)** 3400 Navigation systems
(ATA Code:3400) An event involving the units and components which provide aircraft navigational information.

1341400 **Airspeed/Mach indicating system related event (ATA Code:3414)** 3414 Airspeed/Mach indicating system
(ATA Code:3414) An event involving the instrument which measures and indicates speed of the aircraft.

1341600 **Altitude system related event (ATA Code:3416)** 3416 Altitude system
(ATA Code:3416) An event involving the altimeters and barometric encoders used to measure and indicate altitude. Also includes the unit which senses and alerts to a change in a pre-selected altitude. Does not include the ground proximity systems. Typical parts are dial, case, pointer and spring.

1341800 **Flight management system related event (ATA Code:3418)** 3418 Flight management system
(ATA Code:3418) An event involving the system which combines navigational data to compute or manage the aircraft's geographical position or theoretical flight path. Typical parts are course computers, flight management computers, performance data computers, associated control display units and warning annunciators.

1342000 **3420 Attitude and direction data system related event (ATA Code:3420)** 3420 Attitude and direction data system
(ATA Code:3420) An event involving the system components and parts which use magnetic, gyroscopic, and inertia forces to indicate an aircraft attitude and direction. Includes such items as the inertial reference system (IRS).

1343000 **Landing and taxi aids related event (ATA Code:3430)** 3430 Landing and taxi aids
(ATA Code:3430) An event involving the system providing guidance during approach, landing and taxiing. Includes such items as, ILS, paravisual director, ground guidance systems and markers.

1344000 **Independent position determining system related event (ATA Code:3440)** 3440 Independent position system
(ATA Code:3440) An event involving the system which provides information to determine the aircraft's position and is primarily independent of ground installations. Typical parts are star tracker and sextants/octants.

1344400 **Ground proximity warning system related event (ATA Code:3444)** 3444 Ground proximity warning
(ATA Code:3444) An event involving the system which detects and alerts flight crew to potential terrain hazards. Includes the antenna which transmits and receives an electronic signal for the radio altimeter equipment used for terrain-to-aircraft distance. Also includes the component which interprets a radio signal reflected back to a receiver to determine distance from the nearest terrain; and the component which process the warning computer input signals from various sources in order to determine if and when the crew should be alerted of a terrain hazard.

1344401 **Ground proximity warning system nuisance alarm** GPWS nuisance alarm
An event involving nuisance warnings by the aircraft's ground proximity warning system.

1344402 **Other ground proximity warning system related event** Other GPWS event
An event involving the aircraft's ground proximity warning system other than a nuisance warning.

ECCAIRS 4	Events	Data Definition Standard
1344500	Airborne collision avoidance system/traffic alert and collisi	3445 ACAS/TCAS
<i>(ATA Code:3445) An event involving the system which provides information to determine aircraft position and is primarily independent of ground installations (i.e., traffic alert and collision avoidance system TCAS). Typical parts are collision avoidance monitoring units.</i>		
	1344501 ACAS/TCAS nuisance alarm	TCAS nuisance alarm
<i>An event involving a nuisance alarm from the aircraft's airborne collision avoidance system or traffic alert and collision avoidance system.</i>		
1350000	Oxygen system related event (ATA Code:3500)	3500 Oxygen system
<i>(ATA Code:3500) An event involving the units and components which store, regulate and deliver breathing oxygen to the passengers and crew. Typical parts are bottles, relief valves, shut-off valves, outlets, regulators, masks and walk-around bottles.</i>		
1360000	Pneumatic system related event (ATA Code:3600)	3600 Pneumatic system
<i>(ATA Code:3600) An event involving the units and components which deliver large volumes of compressed air from a power source to connecting points for other systems such as air conditioning, pressurization and de-icing.</i>		
1370000	Vacuum system related event (ATA Code:3700)	3700 Vacuum system
<i>(ATA Code:3700) An event involving the units and components used to generate, deliver and regulate negative air pressure.</i>		
1380000	Drinkable/waste water system related event (ATA Code:3800)	Drinkable/waste water system
<i>(ATA Code:3800) An event involving the fixed units and components which store and deliver fresh water. Also includes those fixed components which store and furnish a means of removal of water and waste.</i>		
1490000	Auxiliary power unit related event (ATA Code:4900)	4900 Auxiliary power unit
<i>(ATA Code:4900) An event involving the airborne auxiliary power units (APU) installed on aircraft for the purpose of generating and supplying a single type or combination of auxiliary electric, hydraulic, pneumatic or other power. Does not include generators, alternators, hydraulic pumps or their connecting systems which supply and deliver power to their respective aircraft systems.</i>		
1500000	5000 CARGO AND ACCESSORY COMPARTMENTS related event	ESSORY COMPARTMENTS
<i>Those compartments for storage of cargo and various components and accessories. Includes those systems used to load/unload cargo and other cargo related systems. Does not include aircraft structure which is in Chapter 53.</i>		
1510000	Repairs to airframe/structure related event (ATA Code:5100)	Repairs to airframe/structure
<i>(ATA Code:5100) An event involving the standard practices and general procedures for typical repairs applicable to the aircraft's airframe or structure.</i>		
	1510100 Airframe structure - general related event (ATA Code:5101) 01 Airframe structure-general	
<i>(ATA Code:5101) An event involving aircraft structural problems of a general nature which affects two or more areas. Includes reports of lightning strikes which cannot be associated with a specific code.</i>		
1520000	Aircraft's doors related event (ATA Code:5200)	5200 Aircraft's doors
<i>(ATA Code:5200) An event involving any of the removable units used for entrance or exit and for enclosing other structure contained within the fuselage. Includes passenger and crew doors, cargo doors and emergency exits. Electrical and hydraulic systems associated with door control are included as appropriate.</i>		
	1520100 Doors - general related event (ATA Code:5201)	5201 Doors-general
<i>(ATA Code:5201) An event involving any of the aircraft's doors in general.</i>		

ECCAIRS 4	Events	Data Definition Standard
1520101	Door opening	Door opening
<i>An event involving the inadvertent or intentional opening of any of the aircraft's doors.</i>		
1520102	Door separation	Door separation
<i>An event involving the separation of any of the aircraft's doors.</i>		
1520170	Door warning system related event	Door warning system
<i>An event involving the aircraft's door warning system.</i>		
1530000	Aircraft's fuselage related event (ATA Code:5300)	5300 Aircraft's fuselage
<i>(ATA Code:5300) An event involving the structural units and associated components and members which make up the compartments for crew, passengers, equipment, cargo and the structure of the envelope and gondola of airships.</i>		
1530100	Airframe failure - other than general breakup (ATA Code:5301)	5301 Airframe failure-other
<i>(ATA Code:5301) An event involving a failure of the aircraft's airframe or structure other than a general disintegration or break-up.</i>		
1530200	Airframe general disintegration or break-up (ATA Code:5302)	5302 Airframe break-up
<i>(ATA Code:5302) An event involving a general disintegration or break-up of the aircraft's airframe or structure.</i>		
1540000	Aircraft engine nacelle or pylon related event (ATA Code:5400)	Aircraft engine nacelle/pylon
<i>(ATA Code:5400) An event involving the structural units and associated components and members which furnish a means of mounting and housing the power plant or rotor assembly. Includes the structure of power plant cowling inclusive of the structural portion of the inlet whether or not integral with the aircraft. Structural portions of the exhaust system are excluded where they are not integral with the airframe.</i>		
1550000	Aircraft empennage related event (ATA Code:5500)	5500 Aircraft empennage
<i>(ATA Code:5500) An event involving the horizontal and vertical stabilizers including the structure of the elevator and rudder. This code is also used for reports that pertain to flying wires.</i>		
1552000	Aircraft elevator related event (ATA Code:5520)	5520 Aircraft elevator
<i>(ATA Code:5520) An event involving the structural aspects of the movable aerofoil hinged to the horizontal stabilizer for longitudinal control. Includes the "ruddervator" on V-tail aircraft and balance weights. Does not include the stabilator structure.</i>		
1554000	Aircraft rudder related event (ATA Code:5540)	5540 Aircraft rudder
<i>(ATA Code:5540) An event involving the structural aspects of the vertical aerofoil hinged to the vertical stabilizer. Does not include the actuators, actuator mechanism or mounting. Typical parts are hinge, hinge fittings, bearing, bolt and miscellaneous structure.</i>		
1560000	Aircraft windows/windshields related event (ATA Code:5600)	Aircraft windows/windshields
<i>(ATA Code:5600) An event involving the fuselage and crew compartment windows inclusive of windshields.</i>		
1560100	Aircraft's windows in general related event (ATA Code:5601)	Aircraft's windows in general
<i>(ATA Code:5601) An event involving the aircraft's windows in general.</i>		
1560101	Window separation in flight	Window separation in flight
<i>An event involving the separation in flight of an aircraft window.</i>		
1561000	5610 Flight compartment window	0 Flight compartment window
<i>5610 Flight compartment window: includes cockpit windows, cockpit overhead canopies, observation windows, and windshield panels in the flight compartment. Includes attachment and sliding feature of sliding windows. For cockpit windows including the breakage of electrically heated windshield panels regardless of cause.</i>		
1570000	Aircraft wing related event (ATA Code:5700)	5700 Aircraft wing
<i>(ATA Code:5700) An event involving the centre wing and outer wing structural units and associated components and members which support the aircraft in flight. This code should be used for general reports of the primary wing structure.</i>		

1575000	Control surfaces (on the wing) related event (ATA Code:57	5750 Control surfaces
<i>(ATA Code:5750) An event involving the control surfaces which are attached to the wing.</i>		
1610000	Propellers related event (ATA Code:6100)	6100 Propellers generally
<i>(ATA Code:6100) An event involving the complete mechanical or electrical propeller, governor, alternators, pumps, motors those units and components external to or integral with the engine used to control the propeller blade angle. Includes the propulsor duct assemblies, aerodynamic fairing of mechanical components, stators and vectoring systems.</i>		
1610100	Aircraft's propellers related event (ATA Code:6101)	01 Aircraft propellers-general
<i>(ATA Code:6101) An event involving any of the aircraft's propellers in general.</i>		
1610101	Propeller over-speed	Propeller over-speed
<i>An event involving a propeller over-speed.</i>		
1610102	Propeller separation	Propeller separation
<i>An event involving the separation of a propeller from its engine.</i>		
1610120	Propeller control	Propeller control
<i>An event related to the control of a propeller.</i>		
1620000	Rotorcraft main rotor systems related event (ATA Code:6200)	1 Rotorcraft main rotor system
<i>(ATA Code:6200) An event involving the rotorcraft main rotor systems. Main rotor: the rotor that supplies the principal lift to a rotorcraft.</i>		
1620100	Helicopter's main rotor in general related event (ATA Code	6201 Main rotor-general
<i>(ATA Code:6201) An event involving a helicopter's main rotor in general. Main rotor: the rotor that supplies the principal lift to a rotorcraft.</i>		
1620101	Main rotor blade flapping	Main rotor blade flapping
<i>An event involving flapping of the helicopter's main rotor blades.</i>		
1630000	Main rotor drive system related event (ATA Code:6300)	6300 Main rotor drive system
<i>(ATA Code:6300) An event involving the main rotor drive system.</i>		
1630100	Main rotor drive shaft (ATA Code:6301)	6301 Main rotor drive shaft
<i>(ATA Code:6301) An event involving the helicopter's main rotor drive shaft.</i>		
1632000	Main rotor transmission/gearbox (ATA Code:6320)	6320 Main rotor transmission
<i>(ATA Code:6320) An event involving the component which transmits engine power to rotary motion in the main rotor mast. Includes mechanical power take-off and accessory drives but does not include the accessories such as hydraulic pumps and alternators. Includes gearbox lubricating system. Typical parts are gearbox, case, shaft, gear, pump, seal and sun gear.</i>		
1632001	Gearbox chip warning	Gearbox chip warning
<i>Gearbox chip warning</i>		
1640000	Rotorcraft tail rotor system related event (ATA Code:6400)	00 Rotorcraft tail rotor system
<i>(ATA Code:6400) An event involving the rotorcraft tail rotor system.</i>		
1650000	Tail rotor drive system related event (ATA Code:6500)	6500 Tail rotor drive system
<i>(ATA Code:6500) An event involving the rotorcraft's tail rotor drive system.</i>		
1651000	Tail rotor drive shaft related event (ATA Code:6510)	6510 Tail rotor drive shaft
<i>(ATA Code:6510) An event involving the shafts, flexible couplings and bearings, from the main rotor transmission to the tail rotor assembly. Typical parts shaft, coupling, bearing and hanger.</i>		
1652000	Tail rotor gearbox (90 deg) related event (ATA Code:6520)	20 Tail rotor gearbox (90 deg)
<i>(ATA Code:6520) An event involving the helicopter's tail rotor 90 degree gearbox.</i>		
1653000	Tail rotor gearbox (45 deg) related event (ATA Code:6530)	30 Tail rotor gearbox (45 deg)
<i>(ATA Code:6530) An event involving the helicopter's tail rotor 45 degree gearbox.</i>		

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1670000	Rotorcraft flight control systems related event (ATA Code:6700)	Rotorcraft flight control system
<i>(ATA Code:6700) An event involving the rotorcraft control systems.</i>		
1710000	Powerplant package related event (ATA Code:7100)	7100 Powerplant package
<i>(ATA Code:7100) An event involving the power plant package.</i>		
1720000	Turbine engine related event (ATA Code:7200)	7200 Turbine engine
<i>(ATA Code:7200) An event involving the units and components which are used to induce and convert fuel-air mixture into power, and transmit power to the propeller shaft (if any) and accessory drives. Includes reports pertaining to bird strikes to engines/cowling.</i>		
1720100	Turbine engine generally (ATA Code:7201)	7201 Turbine engine - generally
<i>(ATA Code:7201) An event involving a turbine engine generally.</i>		
1720101	Turbine engine - tearaway	Turbine engine - tearaway
<i>An event involving a turbine engine tearaway.</i>		
1720102	Turbine engine - Uncontained failure	Turbine engine - Uncontained failure
<i>An event involving the failure of a turbine engine's containment system, an engine failure in which parts of the engine exited the nacelle.</i>		
1720103	Turbine engine - mechanical failure	Turbine engine - mechanical failure
<i>An event involving a mechanical failure of a turbine engine, i.e. something broke etc.</i>		
1720104	Turbine engine - non mechanical failure	Turbine engine - non mechanical failure
<i>An event involving a non-mechanical failure of a turbine engine, the engine failed even though the mechanics of the engine were intact.</i>		
1720105	Simulated failure of a turbine engine	Turbine engine - simulated failure
<i>An event involving a simulated failure of a turbine engine.</i>		
1720106	Turbine Engine fuel starvation	Turbine engine - fuel starvation
<i>An event involving a loss of power from a turbine engine due to fuel starvation. Fuel Starvation:Deprivation or insufficient supply of fuel to the engine.</i>		
1720107	Turbine Engine asymmetric thrust	Turbine engine - asymmetric thrust
<i>An event involving asymmetric thrust due to a loss of power from a turbine engine.</i>		
1720108	Turbine engine multiple failures	Turbine engine - multiple failures
<i>An event involving multiple failures of the aircraft's turbine engines.</i>		
1720109	Turbine engine - vibration	Turbine engine - vibration
<i>Turbine engine - vibration</i>		
1720110	Turbine engine gearbox related event	Turbine engine - engine gearbox
<i>An event involving a failure of a gearbox in one of the aircraft's turbine engines</i>		
1720113	Turbine engine chip warning	Turbine engine chip warning
<i>Turbine engine chip warning</i>		
1730000	Enginefuel system related event (ATA Code:7300)	7300 Engine fuel system
<i>(ATA Code:7300) An event involving turbine or reciprocating engine fuel systems of the engine.</i>		
1740000	Engine ignition system related event (ATA Code:7400)	7400 Engine ignition system
<i>(ATA Code:7400) An event involving the aircraft's engine ignition system.</i>		
1750000	Engine air system related event (ATA Code:7500)	7500 Engine air system
<i>(ATA Code:7500) An event involving the turbine engine compressor bleed air systems used to control the flow of air through the engine, cooling air systems, and heated air for engine anti-icing.</i>		

ECCAIRS 4	Events	Data Definition Standard
1760000	Engine controls related event (ATA Code:7600)	7600 Engine controls
<i>(ATA Code:7600) An event involving the controls which govern the operation of the engine. Includes units and components which are interconnected for emergency shutdown. For turboprop engines, includes linkages and controls to the co-ordinator or equivalent to the propeller governor, fuel control unit or other units being controlled. For reciprocating engines, includes controls for blowers.</i>		
1770000	Engine indicating system related event (ATA Code:7700)	700 Engine indicating system
<i>(ATA Code:7700) An event involving engine indicating system discrepancies.</i>		
1780000	Engine exhaust system related event (ATA Code:7800)	7800 Engine exhaust system
<i>(ATA Code:7800) An event involving engine exhaust system defects.</i>		
1783000	Thrust reverser system related event (ATA Code:7830)	7830 Thrust reverser system
<i>(ATA Code:7830) An event involving the airframe furnished system and components mounted at turbo-jet engine exhaust tailpipes to direct engine thrust forward for deceleration. Does not include the engine tailpipe. Typical parts are door, flex drive, relay, solenoid, switch, switch arm, bolt, valve, line, deploy line, rail, cable, actuator, actuator rod, connector plug, seal, support, fitting, shaft, link, nozzle and hose.</i>		
1790000	Engine oil system related event (ATA Code:7900)	7900 Engine oil system
<i>(ATA Code:7900) An event involving the system units external to the engine which store and deliver engine lubricating oil to and from either turbine or reciprocating engines.</i>		
1800000	Engine starting system related event (ATA Code:8000)	8000 Engine starting system
<i>(ATA Code:8000) An event involving the units, components and associated systems used for starting the engine. Includes electrical, inertia air or other starter systems.</i>		
1810000	Auxiliary engine turbine related event (ATA Code:8100)	8100 Auxiliary engine turbine
<i>(ATA Code:8100) An event involving the exhaust turbine systems for reciprocating engines. Includes power recovery turbine assemblies and turbo-supercharger units when external to the engine.</i>		
1820000	Engine water injection system related event (ATA Code:8200)	Engine water injection system
<i>(ATA Code:8200) An event involving the system components and parts which inject a water mixture into induction system of turbine and reciprocating engines. Typical parts are pump, switch, tank and valve.</i>		
1830000	Powerplant accessory gearbox related event (ATA Code:8300)	8300 Accessory gearbox
<i>(ATA Code:8300) An event involving the units and components which are remotely installed and connected to the engine by a drive shaft but does not include those accessory drives which are bolted to and are immediately adjacent to the engine.</i>		
1850000	Reciprocating engine related event (ATA Code:8500)	8500 Reciprocating engine
<i>(ATA Code:8500) An event involving reciprocating engine problems, e.g. over temperature, metal contamination and vibration.</i>		
1850100	Reciprocating engine in general (ATA Code:8501)	Reciprocating engine general
<i>(ATA Code:8501) An event involving a reciprocating engine in general.</i>		
1850101	Reciprocating engine tearaway	Reciprocating engine - tearaway
<i>An event involving a reciprocating engine tearaway, i.e. the engine separated from the aircraft.</i>		

ECCAIRS 4	Events	Data Definition Standard
1850102	Reciprocating engine - uncontained failure	g engine - uncontained failure
	<i>An event involving an uncontained failure in a reciprocating engine.</i>	
1850103	Reciprocating engine - mechanical failure	g engine - mechanical failure
	<i>An event involving a mechanical failure in a reciprocating engine</i>	
1850104	Power loss in a reciprocating engine due to non-mechanical failure	gine - non-mechanical failure
	<i>An event involving a power loss in a reciprocating engine due to non-mechanical failure.</i>	
1850105	Reciprocating engine - simulated failure	ting engine - simulated failure
	<i>An event involving a simulated power loss in a reciprocating engine.</i>	
1850106	Reciprocating engine - fuel starvation	cating engine - fuel starvation
	<i>An event involving a power loss in a reciprocating engine due to fuel starvation.</i>	
1850107	Reciprocating engine - carburettor icing	ting engine - carburettor icing
	<i>An event involving a power loss in a reciprocating engine due to carburettor icing.</i>	
1850108	Failure of more than one reciprocating engine	ating eninge - multiple failures
	<i>An event involving multiple failures of the aircraft's reciprocating engines.</i>	
1850109	Reciprocating engine - gearbox failure	ating engine - gearbox failure
	<i>An event involving a failure of a reciprocating engine gearbox.</i>	
1850110	Reciprocating engine - vibration	:ciprocating engine - vibration
	<i>Reciprocating engine - Vibration</i>	
1990000	Non-component specific events	on-component specific events
	<i>Non-component specific events: Events not related to a specific component or which may involve several systems at the same time, e.g. fires.</i>	
1990100	Explosions / fire/ fumes / smoke	losions / fire/ fumes / smoke
	<i>Events involving explosions / fire/ fumes / smoke</i>	
1990101	Explosion	Explosion
	<i>Explosion - to be used when the location of the explosion was not provided or could not be established.</i>	
1990102	Explosion - Cockpit	Explosion - Cockpit
	<i>Explosion - Cockpit: an explosion in the cockpit.</i>	
1990103	Explosion - passenger cabin	Explosion - passenger cabin
	<i>Explosion - passenger cabin</i>	
1990104	Explosion - cargo pod / cargo hold	losion - cargo pod / cargo hold
	<i>Explosion - cargo pod / cargo hold</i>	
1990105	Explosion - Galley	Explosion - Galley
	<i>Explosion - Galley</i>	
1990106	Explosion - lavatory	Explosion - lavatory
	<i>Explosion - lavatory</i>	
1990107	Explosion - Avionics bay	Explosion - Avionics bay
	<i>Explosion - Avionics bay</i>	
1990108	Explosion - powerplant	Explosion - powerplant
	<i>Explosion - powerplant: if the explosion leads to a loss of power from the powerplant concerned, enter the loss of power as subsequent event.</i>	
1990109	Explosion - APU	Explosion - APU
	<i>Explosion - APU, includes explosion of the APU as well as explosions in the APU bay.</i>	
1990110	Explosion - other location	Explosion - other location
	<i>Explosion - other location: explosion in a locatoon other than the specific ones mentioned in the list. If the location of the explosion is not known, enter "explosion" as event type only.</i>	
1990111	Fire	Fire
	<i>Fire - to be used when the location of the fire was not provided or could not be established.</i>	
1990112	Fire - Cockpit	Fire - Cockpit
	<i>Fire - Cockpit</i>	

1990113	Fire - Passenger cabin	Fire - Passenger cabin
	<i>Fire - Passenger cabin</i>	
1990114	Fire - Cargo hold / pod	Fire - Cargo hold / pod
	<i>Fire - Cargo hold / pod</i>	
1990115	Fire - Galley	Fire - Galley
	<i>Fire - Galley</i>	
1990116	Fire - Lavatory	Fire - Lavatory
	<i>Fire - Lavatory</i>	
1990117	Fire - Avionics bay	Fire - Avionics bay
	<i>Fire - Avionics bay</i>	
1990118	Fire - Powerplant	Fire - Powerplant
	<i>Fire - Powerplant. If the fire in the powerplant causes a loss of power, enter the loss of power as subsequent event</i>	
1990119	Fire - APU	Fire - APU
	<i>Fire - APU</i>	
1990120	Fire - other location	Fire - other location
	<i>Fire - other location: a fire in a location of the aircraft not found on the detailed list.</i>	
1990121	Fumes	Fumes
	<i>Fumes - to be used when the location of the fumes was not provided or could not be established.</i>	
1990122	Fumes - Cockpit	Fumes - Cockpit
	<i>Fumes - Cockpit</i>	
1990123	Fumes - Passenger cabin	Fumes - Passenger cabin
	<i>Fumes - Passenger cabin</i>	
1990124	Fumes - Cargo hold / pod	Fumes - Cargo hold / pod
	<i>Fumes - Cargo hold / pod</i>	
1990125	Fumes - Galley	Fumes - Galley
	<i>Fumes - Galley</i>	
1990126	Fumes - Lavatory	Fumes - Lavatory
	<i>Fumes - Lavatory</i>	
1990127	Fumes - Avionics bay	Fumes - Avionics bay
	<i>Fumes - Avionics bay</i>	
1990128	Fumes - Powerplant	Fumes - Powerplant
	<i>Fumes - Powerplant</i>	
1990129	Fumes - APU	Fumes - APU
	<i>Fumes - APU</i>	
1990130	Fumes - other location	Fumes - other location
	<i>Fumes - other location: in a location of the aircraft not found on the detailed list.</i>	
1990131	Smoke	Smoke
	<i>Smoke: to be used when the location of the smoke was not provided or could not be established.</i>	
1990132	Smoke - Cockpit	Smoke - Cockpit
	<i>Smoke - Cockpit</i>	
1990133	Smoke - Passenger cabin	Smoke - Passenger cabin
	<i>Smoke - Passenger cabin</i>	
1990134	Smoke - Cargo hold / pod	Smoke - Cargo hold / pod
	<i>Smoke - Cargo hold / pod</i>	
1990135	Smoke - Galley	Smoke - Galley
	<i>Smoke - Galley</i>	
1990136	Smoke - Lavatory	Smoke - Lavatory
	<i>Smoke - Lavatory</i>	
1990137	Smoke - Avionics bay	Smoke - Avionics bay
	<i>Smoke - Avionics bay</i>	

ECCAIRS 4	Events	Data Definition Standard
1990138	Smoke - Powerplant	Smoke - Powerplant
	<i>Smoke - Powerplant</i>	
1990139	Smoke - APU	Smoke - APU
	<i>Smoke - APU</i>	
1990140	Smoke - other location	Smoke - other location
	<i>Smoke - other location: in a location of the aircraft not found on the detailed list.</i>	
1990141	Smell - excluding electrical smell	Smell
	<i>Smell : to be used when the location of the smell was not provided or could not be established. Excludes electrical smell which coded separately.</i>	
1990142	Smell - Cockpit - the presence of an unusual (not electrical) smell in the cockpit	Smell - Cockpit
	<i>Smell - Cockpit - the presence of an unusual (not electrical) smell in the cockpit</i>	
1990143	Smell - Passenger cabin - the presence of an unusual (not electrical) smell in the Passenger cabin	Smell - Passenger cabin
	<i>Smell - Passenger cabin - the presence of an unusual (not electrical) smell in the Passenger cabin</i>	
1990144	Smell -Cargo hold / pod - the presence of an unusual (not electrical) smell in the Cargo hold / pod	Smell - Cargo hold / pod
	<i>Smell -Cargo hold / pod - the presence of an unusual (not electrical) smell in the Cargo hold / pod</i>	
1990145	Smell - Galley - the presence of an unusual (not electrical) smell in the galley	Smell - Galley
	<i>Smell - Galley - the presence of an unusual (not electrical) smell in the galley</i>	
1990146	Smell - Lavatory - the presence of an unusual (not electrical) smell in the lavatory	Smell - Lavatory
	<i>Smell - Lavatory - the presence of an unusual (not electrical) smell in the lavatory</i>	
1990147	Smell - Avionics bay - the presence of an unusual (not electrical) smell in the avionics bay	Smell - Avionics bay
	<i>Smell - Avionics bay - the presence of an unusual (not electrical) smell in the avionics bay</i>	
1990148	Smell - Powerplant - the presence of an unusual (not electrical) smell in the powerplant	Smell - Powerplant
	<i>Smell - Powerplant - the presence of an unusual (not electrical) smell in the powerplant</i>	
1990149	Smell - APU - the presence of an unusual (not electrical) smell in the APU	Smell - APU
	<i>Smell - APU - the presence of an unusual (not electrical) smell in the APU</i>	
1990150	Smell - Other location: the presence of an unusual (not electrical) smell in a location other from those listed	Smell - Other location
	<i>Smell - Other location: the presence of an unusual (not electrical) smell in a location other from those listed</i>	
1990151	Electrical smell : to be used when the location of the electrical smell was not provided or could not be established.	Electrical smell
	<i>Electrical smell : to be used when the location of the electrical smell was not provided or could not be established.</i>	
1990152	Electrical smell - Cockpit	Electrical smell - Cockpit
	<i>Electrical smell - Cockpit</i>	
1990153	Electrical smell - Passenger cabin	Electrical smell - Passenger cabin
	<i>Electrical smell - Passenger cabin</i>	
1990154	Electrical smell - Cargo hold / pod	Electrical smell - Cargo hold / pod
	<i>Electrical smell - Cargo hold / pod</i>	
1990155	Electrical smell - galley	Electrical smell - galley
	<i>Electrical smell - galley</i>	
1990156	Electrical smell - Lavatory	Electrical smell - Lavatory
	<i>Electrical smell - Lavatory</i>	

ECCAIRS 4	Events	Data Definition Standard
1990157	Electrical smell - Avionics bay	Electrical smell - Avionics bay
	<i>Electrical smell - Avionics bay</i>	
1990158	Electrical smell - Powerplant	Electrical smell - Powerplant
	<i>Electrical smell - Powerplant</i>	
1990159	Electrical smell - APU	Electrical smell - APU
	<i>Electrical smell - APU</i>	
1990160	Electrical smell - other location	Electrical smell - other location
	<i>Electrical smell - other location: Other location: the presence of an electrical smell in a location other from those listed</i>	
1990161	Fire - landing gear	Fire - landing gear
	<i>Fire - landing gear: e.g. by fluids coming into contact with hot brakes.</i>	
1990162	Smoke - landing gear	Smoke - landing gear
	<i>Smoke emanating from the landing gear, e.g. from hydraulic liquid dripping onto hot brakes.</i>	
1990200	Vibration / rattle / noise	Vibration / rattle / noise
	<i>Vibration / rattle / noise : an event involving an unusual / unsuspected vibration / rattle / noise</i>	
1990201	Noise / rattle	Noise / rattle
	<i>Noise / rattle</i>	
1990202	Vibration/buffet	Vibration/buffet
	<i>Vibration/buffet</i>	
1990203	Loose object	Loose object
	<i>Loose object</i>	

ECCAIRS 4	Events	Data Definition Standard
2000000	Operation of the aircraft related event	Aircraft operation general
<i>An event involving the operation of the aircraft generally.</i>		
2010000	Aircraft handling related event	Aircraft handling
<i>An event involving the handling of the aircraft.</i>		
2010100	Aircraft altitude related event	Altitude related
<i>An altitude related event involving the operation of the aircraft.</i>		
2010101	Altitude bust	Altitude bust
<i>An event related to the aircraft not obtaining / maintaining the assigned altitude. Moved to 'deviation from clearance - altitude - altitude bust -'</i>		
2010102	Flying too close to ground	Too close to ground
<i>An event involving flying the aircraft too close to the ground.</i>		
2010103	Other altitude related event	Other altitude event
<i>An altitude related event, other than those listed above, that was related to the operation of the aircraft.</i>		
2010200	Abrupt manoeuvre	Abrupt manoeuvre
<i>An event involving an abrupt manoeuvre.</i>		
2010201	Environment induced abrupt manoeuvre	Environment-manoeuvre
<i>An abrupt manoeuvre event that was related to the environment in which the aircraft was operated, e.g. turbulence.</i>		
2010202	Crew induced abrupt manoeuvre	Crew-manoeuvre
<i>An abrupt manoeuvre event that was related to the crew's operation of the aircraft.</i>		
2010203	Other abrupt manoeuvre	Other abrupt manoeuvre
<i>An abrupt manoeuvre event that was related to circumstances other than those listed above.</i>		
2010300	Dragged wing/rotor/pod/float	Dragged wing/pod/float
<i>An event relating to the dragging/scraping of a wing (tip) , rotor, pod or float during take-off or landing.</i>		
2010400	Flight systems/flight crew mismatch	Systems/crew mismatch
<i>An event relating to the mismatch of the flight crew with the system involved. The crew does not understand / not follow / not expect what the aircraft systems are doing.</i>		
2010500	Ground loop/swerve on take-off or landing	Swerve-take-off/landing
<i>An event involving a ground loop/swerve of the aircraft on take-off or landing.</i>		
2010501	Intentional ground loop/swerve	Intentional swerve
<i>An event involving an intentional ground loop or swerve of the aircraft on take-off or landing, e.g. to avoid obstacles in the runway overrun area.</i>		
2010502	Unintentional swerve	Unintentional swerve
<i>An event involving an unintentional ground loop or swerve of the aircraft on take-off or landing, e.g. as a result of losing directional control.</i>		
2010600	Hard landing	Hard landing
<i>An event involving a hard landing. Hard landing: A landing in which the vertical deceleration encountered required a hard landing check.</i>		
2010700	Landing beside the intended landing surface	Beside landing surface
<i>An event involving a landing beside the intended landing surface.</i>		
2010800	Undershoot	Undershoot
<i>A touchdown before the runway surface. · An undershoot/overshoot of the runway by definition occurs in close proximity to the runway. · Off-airport emergency landings are excluded from this category</i>		
2010900	Over-rotation - tail scrape/strike	Over-rotation - tail scrape/strike
<i>An event involving the over-rotation of the aircraft on take-off or landing</i>		

2011000 Unstabilized approach Unstabilized approach

Stabilized approach:

These recommended parameters define a stabilized approach and should be met by 1,000 feet above airport elevation in IMC or 500 feet in VMC:

1. The aircraft is on the correct flight path;
2. Only small changes in heading/pitch are required to maintain the correct flight path;
3. The aircraft speed is not more than VREF + 20 knots indicated airspeed and not less than VREF;
4. The aircraft is in the correct landing configuration;
5. Sink rate is no greater than 1,000 feet per minute; if an approach requires a sink rate greater than 1,000 feet per minute, a special briefing should be conducted;
6. Power setting is appropriate for the aircraft configuration and is not below the minimum power for approach as defined by the aircraft operating manual;
7. All briefings and checklists have been conducted;
8. Specific types of approaches are stabilized if they also fulfill the following: instrument landing system (ILS) approaches must be flown within one dot of the glideslope and localizer; a Category II or Category III ILS approach must be flown within the expanded localizer band; during a circling approach, wings should be level on final when the aircraft reaches 300 feet above airport elevation; and, 9. Unique approach procedures or abnormal conditions requiring a deviation from the above elements of a stabilized approach require a special briefing.
(FSF ALAR tool kit)

2011100 Warning system triggered - genuine warning Warning system triggered

An event involving the triggering of a genuine warning of an aircraft operational warning system, i.e. warning systems which are not related to the performance of the aircraft systems.

Moved one level up. This will avoid that the triggering of a genuine warning will be related to the handling of the aircraft by the flight crew. This relation was deemed inappropriate by the user community. From 427 HF 1. Old data should be recorded to reflect the move.

2011101 Genuine airborne collision avoidance system/traffic alert and collision avoidance system warning triggered ACAS/TCAS triggered

An event involving a genuine airborne collision avoidance system/traffic alert and collision avoidance system warning.

ACAS: An aircraft system based on secondary surveillance radar (SSR) transponder signals which operates independently of ground-based equipment to provide advice to the pilot on potential conflicting aircraft that are equipped with SSR transponders.

Note 1.- In this context the term 'independently' means that ACAS operates independently of other systems used by air traffic services except for communications with Mode S ground stations.

TCAS: TCAS is the terminology used in the United States for its traffic alert and collision avoidance

Moved one level up. This will avoid that the triggering of a genuine warning will be related to the handling of the aircraft by the flight crew. This relation was deemed inappropriate by the user community. From 427 HF 1. Old data should be recorded to reflect the move. system. In ICAO the system is known as ACAS.

2011102 Genuine configuration warning triggered Configuration warning

An event involving a genuine configuration warning.

Moved one level up. This will avoid that the triggering of a genuine warning will be related to the handling of the aircraft by the flight crew. This relation was deemed inappropriate by the user community. From 427 HF 1. Old data should be recorded to reflect the move.

2011103 Genuine ground proximity warning system warning Ground proximity warning

An event involving a genuine ground proximity warning system warning. GPWS: System capable of preventing the crew of an airplane from imminent collision with the ground.
(ICAO NAVIG 1999, Oct., p. 394)

Moved one level up. This will avoid that the triggering of a genuine warning will be related to the handling of the aircraft by the flight crew. This relation was deemed inappropriate by the user community. From 427 HF 1. Old data should be recorded to reflect the move.

2011104 Other warning system triggered Other warning system triggered

An event involving a genuine warning from an airborne system, other than those listed above.

Moved one level up. This will avoid that the triggering of a genuine warning will be related to the handling of the aircraft by the flight crew. This relation was deemed inappropriate by the user community. From 427 HF 1. Old data should be recorded to reflect the move.

2011105	Health monitoring system warning triggered	Health monitoring system warning
<i>Health monitoring system: a diagnostic/prognostic system that could monitor aircraft and rotorcraft structural components in flight.</i>		
<i>Moved one level up. This will avoid that the triggering of a genuine warning will be related to the handling of the aircraft by the flight crew. This relation was deemed inappropriate by the user community. From 427 HF 1. Old data should be recorded to reflect the move.</i>		
2011106	Stall warning triggered	Stall warning triggered
<i>Stall warning triggered</i>		
<i>Moved one level up. This will avoid that the triggering of a genuine warning will be related to the handling of the aircraft by the flight crew. This relation was deemed inappropriate by the user community. From 427 HF 1. Old data should be recorded to reflect the move.</i>		
2011200	Wheels-up landing,	Wheels-up landings
<i>An event involving a wheels-up landing generally. Use this when the intent is not known. To be used when the gear is not lowered or locked before contact with the runway/ground during a landing.</i>		
2011201	Wheels-up landing - intentional	Wheels-up landing - intentional
<i>An event involving an intentional wheels-up landing, e.g. as a result of some preceding event.</i>		
2011202	Wheels-up landing - unintentional	Wheels-up unintentional
<i>An event involving an unintentional wheels-up landing, e.g. the crew forgot to lower the landing gear.</i>		
2011203	Wheels-up landing cause unknown	Wheels-up landing -cause unknown
<i>An event involving a wheels-up landing but where it is not known if it was intentional or not.</i>		
2011300	Wheels down landing on water	Wheels down landing on water
<i>An event involving a wheels down landing on water.</i>		
2011400	Aircraft landed long	Aircraft landed long
<i>the aircraft landed behind the touch-down zone</i>		
<i>Touch-down zone: The portion of a runway, beyond the threshold, where it is intended landing aircraft first contact the runway</i>		
2011500	Aircraft landed fast	Aircraft landed fast
<i>aircraft landed fast: aircraft landed at a speed significantly higher than the reference approach speed</i>		
2011600	Unsafe descent	Unsafe descent
<i>unsafe descent: Descent below Decision Height (DH) or below weather minima on approach or descent in any flight phase where safe ground clearance is halved or lower (embraces near collision level with ground, water or ground objects)</i>		
2011700	Helicopter - mast bumping	Helicopter - mast bumping
<i>The main rotor hub contacting the rotor mast in low G conditions.</i>		
2020000	Flight crew interaction with air navigation service related event	Flight crew/ANS
<i>An event related to the interaction between the air navigation service and the flight crew.</i>		
2020100	Traffic conflict related event	Traffic conflict
<i>An event involving a traffic conflict.</i>		
2020200	Air navigation service clearance related event	ANS-clearance
<i>A clearance related event.</i>		
2020201	Air navigation service erroneous clearance	Erroneous clearance
<i>The clearance was given in error, a wrong clearance was given.</i>		
2020202	Air navigation service clearance to wrong altitude	Clearance-wrong altitude
<i>An event related to a clearance to the wrong altitude by the ANS services.</i>		

ECCAIRS 4	Events	Data Definition Standard
2020300	Communications between pilot and air navigation service	Communications pilot/ANS
<i>An event related to the communications between the pilot and the air navigation service. This is not to be used when there was a technical difficulty related to the communication.</i>		
2020400	Controlled/restricted airspace infringement	Airspace infringement
<i>An event involving an infringement / unauthorized penetration of a controlled or restricted airspace.</i>		
2020500	Deviation from an air traffic control clearance	Deviation/ATC clearance
<i>An event involving a deviation from an air traffic control clearance.</i>		
2020501	Clearance deviation - start-up	Deviation-start-up
<i>An event related to a deviation from an air traffic control clearance on start-up.</i>		
2020502	Clearance deviation - push-back	Deviation-push-back
<i>An event involving a deviation from an air traffic control push back clearance.</i>		
2020503	Clearance deviation - taxi	Deviation-taxi
<i>An event related to a deviation from an air traffic control clearance associated with taxiing.</i>		
2020504	Clearance deviation - line-up	Deviation-line-up
<i>An event related to a deviation from an air traffic control clearance associated with line-up.</i>		
2020505	Clearance deviation - take-off	Deviation-take-off
<i>An event related to a deviation from an air traffic control clearance associated with take-off.</i>		
2020506	Clearance deviation - en-route	Deviation-en-route
<i>An event related to a deviation from an air traffic control en-route clearance.</i>		
2020507	Clearance deviation - oceanic	Deviation-oceanic
<i>An event related to a deviation from an air traffic control oceanic clearance.</i>		
2020508	Clearance deviation - approach	Deviation-approach
<i>An event related to a deviation from an air traffic control approach clearance.</i>		
2020509	Clearance deviation - holding	Deviation-holding
<i>An event related to a deviation from an air traffic control holding clearance.</i>		
2020510	Clearance deviation - landing	Deviation-landing
<i>An event related to a deviation from an air traffic control landing clearance.</i>		
2020511	Clearance deviation - runway crossing	Deviation-runway crossing
<i>An event related to a deviation from an air traffic control runway crossing clearance.</i>		
2020512	Clearance deviation - clearance limit	Deviation-clearance limit
<i>An event related to a deviation from an air traffic control clearance limit.</i>		
2020513	Clearance deviation - special procedure	Deviation-special procedure
<i>An event related to a deviation from an air traffic control special procedure clearance.</i>		
2020514	Clearance deviation - missed approach	Deviation-missed approach
<i>An event related to a deviation from an air traffic control missed approach clearance.</i>		
2020515	Deviation from clearance - low approach	Deviation-low approach
<i>An event related to a deviation from an air traffic control low approach clearance.</i>		
2020516	Deviation from clearance - touch and go	Deviation-touch and go
<i>An event related to a deviation from an air traffic control touch and go clearance.</i>		
2020517	Deviation from clearance - assigned flight level/altitude, also known as altitude bust or level bust	Deviation-flight level/altitude
<i>An event related to a deviation from an air traffic control assigned flight level or altitude, also known as altitude bust or level bust</i>		
2020518	Deviation from clearance - assigned route/track/heading	Deviation-assigned details
<i>An event related to a deviation from an air traffic control assigned route/track/heading.</i>		
2020519	Deviation from clearance - assigned or specified speed	Deviation-specified speed
<i>An event related to a deviation from an air traffic control assigned or specified speed.</i>		

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2020520	Deviation from clearance - time restriction or constraint	Deviation-time restriction
<i>An event related to a deviation from an air traffic control time restriction or constraint.</i>		
2020521	Deviation from clearance - rate of climb/descent restrictions	Deviation-climb/descent
<i>An event related to a deviation from air traffic control rate of climb/descent restrictions.</i>		
2020522	Deviation from clearance - climb/descent conditional clearance	Descent-conditional clearance
<i>An event related to a deviation from air traffic control climb/descent restrictions.</i>		
2020523	Deviation - hold short	Deviation - hold short
<i>Deviation - hold short: Deviation from a "hold short" clearance, a clearance in which the aircraft is required to stop before a defined point.</i>		
2020524	Deviation - noise abatement procedure	- noise abatement procedure
<i>Deviation - noise abatement procedure</i>		
2020600	Provision of information by the air navigation service related event	ANS provision-information
<i>An event related to the provision of information by the air navigation service.</i>		
2020601	Provision of flight information by the air navigation service related event	ANS flight information
<i>An event involving the provision of flight information by the air navigation service.</i>		
2020602	Provision of geographical, terrain or height information by the air navigation service related event	ANS geographical info
<i>An event involving the provision of geographical, terrain or height information by the air navigation service.</i>		
2020603	Provision of meteorological information by the air navigation service related event	ANS weather information
<i>An event involving the provision of meteorological information by the air navigation service, e.g. important weather information was not provided or provided late.</i>		
2020604	Provision of traffic information by the air navigation service related event	ANS traffic information
<i>An event involving the provision of traffic information by the air navigation service. (late, improper, not at all etc.)</i>		
2020700	Deviation from ATM Regulation	Deviation-ATM Regulation
<i>An event involving a deviation from an Air Traffic Management Regulation.</i>		
2020701	Unauthorised penetration of airspace	Airspace entry
<i>An event involving an unauthorised penetration of airspace. Deleted: Now covered under airspace infringement.</i>		
2020702	Deviations from ATM mandatory carriage of aircraft equipment	Deviations/ATM equipment
<i>An event involving deviations from Air Traffic Management related mandatory carriage of aircraft equipment, e.g. operating non-rvsm equipped aircraft in rvsm airspace.</i>		
2020703	other	Other deviation ATM
<i>An event involving a deviation from an applicable Air Traffic Management Regulation other than those listed above.</i>		
2020800	Flight crew deviation from applicable ATM procedures	Flight crew deviation
<i>An event involving flight crew deviation from applicable Air Traffic Management procedures.</i>		
2020801	Deviation from minimum safe altitude en-route	En-route MSA
<i>An event involving flight crew deviation from applicable Air Traffic Management minimum safe altitude en-route procedure. MSA: An altitude depicted on approach charts that provides at least 1000 ft of obstacle clearance for use within a specified distance from the navigation facility upon which a procedure is predicated.</i>		
2020802	Deviation from landing minima	ATM landing minima
<i>An event involving flight crew deviation from applicable Air Traffic Management landing minima.</i>		

2020803 Deviation from standard instrument departure ATM SID

An event involving flight crew deviation from applicable Air Traffic Management Standard Instrument Departure procedure.

2020804 Deviation from Standard Terminal Arrival Route ATM STAR

An event involving flight crew deviation from applicable Air Traffic Management Standard Terminal Arrival Route procedure.

2020805 Deviation from approach procedure ATM approach procedure

An event involving flight crew deviation from applicable Air Traffic Management approach procedure.

2020806 Deviation from speed restriction ATM speed restriction

An event involving flight crew deviation from applicable Air Traffic Management speed restrictions.

2020900 Other Air Traffic Management procedure related event Other ATM procedure

An event involving flight crew deviation from applicable Air Traffic Management procedure other than those listed above.

2030000 Cabin safety related event Cabin safety

A cabin safety related event.

Note : events related to difficult / unruly passengers are under 'security'.

2030100 Blocked cabin exit Blocked cabin exit

An event involving a blocked cabin exit.

2030200 Unserviceable seatbelt Unserviceable seatbelt

An event involving an unserviceable seatbelt.

2030300 Slide failure or not armed Slide failure or not armed

An event involving an escape chute or slide which failed or was not armed.

2030400 Cabin crew unable to perform duties - medical (non-injury) Cabin crew - medical

Cabin crew unable to perform duties - medical (non-injury) reasons

2030500 Cabin crew - injuries sustained Cabin crew - injury sustained

Cabin crew sustained injuries that impacted on the ability to carry out the related duties.

2030600 Cabin crew - unable to perform duties due to other reason Cabin crew - other

Cabin crew - unable to perform duties due to reasons other than injuries sustained or medical reasons.

2030700 Cabin-cockpit communications related event Cabin-cockpit communications

Cabin-cockpit communications related event, i.e. communication difficulties between cabin crew and the cockpit which are not related to the communication system

2030800 Medical emergency - passenger Medical emergency - passenger

Medical emergency - passenger

2030900 Passenger carry-on baggage related event Passenger carry-on baggage

Passenger carry-on baggage related event: e.g. baggage dropping, baggage leaking, baggage smoking or on fire. In case of smoke/fire also code smoke / fire in the passenger cabin as applicable.

2031000 Animals in the cabin related event Animals in the cabin

Animals in the cabin related event: to cover events related to pets but also due to the presence other (unwanted) animals in the cabin.

2031100 Door opening or interference with doors by passengers Door interference - passengers

Door opening or interference with doors by passengers

2039800	Other non-crew cabin safety related event	ew cabin safety related event
<i>Other non-crew cabin safety related event</i>		
2040000	Flight crew related event	Flight crew
<i>An event involving a flight crew member (as a person, not related to a specific action).</i>		
2040100	Flight crew incapacitation/illness/medical issue	acitation/illness/medical issue
<i>An event involving a flight crew member's incapacitation or illness or other medical issue.</i>		
2050000	Collision of an aircraft with an obstacle, terrain or another aircraft	Aircraft collision obstacle
<i>An event involving a collision of an aircraft with an obstacle, terrain or another aircraft. Obstacle. All fixed (whether temporary or permanent) and mobile objects, or parts thereof, that are located on an area intended for the surface movement of aircraft or that extend above a defined surface intended to protect aircraft in flight.</i>		
2050100	Aircraft collision - moving aircraft	raft collision - moving aircraft
<i>An event involving a collision of an aircraft with another moving, i.e. not parked, aircraft.</i>		
2050101	Aircraft collision with another aircraft, both airborne	raft collision-both aircraft aloft
<i>An event involving a collision of an aircraft with another aircraft, both airborne.</i>		
2050102	Aircraft collision with another aircraft, one airborne the other moving on the ground	raft collision-one aircraft aloft
<i>An event involving a collision of an aircraft with another aircraft, one airborne.</i>		
2050103	Collision between two aircraft both moving on the ground	ision - both aircraft on ground
<i>An event involving a collision between two aircraft both moving on the ground.</i>		
2050104	Aircraft collision with balloon	Aircraft collision with balloon
<i>An event involving a collision of an aircraft with a balloon.</i>		
2050105	Collision between aircraft one of which was a mircrolight	Aircraft collision - mircrolight
<i>An event involving a collision between aircraft one of which was a mircrolight.</i>		
2050106	Collision between an aircraft and a dirigible	Aircraft collision - dirigible
<i>An event involving a collision between an aircraft and a dirigible.</i>		
2050200	An aircraft collision with the terrain	Collision aircraft-terrain
<i>An event involving an aircraft colliding with the terrain. Use collision with terrain when the nature of the terrain is unimportant in relation to the impact or when impact with the ground was inevitable. Use collision with obstacles when the collision was related to the presence of the obstacle(s) in the path of movement of the aircraft.</i>		
2050201	Aircraft collision with level terrain/water	Aircraft collision - level terrain
<i>An event involving an aircraft collision level terrain or water.</i>		
2050202	Aircraft collision with high terrain, a hill or a mountain	Aircraft collision - high terrain
<i>An event involving an aircraft collision with high terrain, a hill or a mountain.</i>		
2050300	Aircraft collision with airborne object other than another ai	Aircraft collision - object aloft
<i>An event involving an aircraft collision with an airborne object other than another aircraft, balloon or dirigible.</i>		
2050301	Aircraft collision with bird/bird strike	Aircraft bird strike
<i>An event involving an aircraft collision with bird.</i>		
2050302	Aircraft collision with model aircraft	rcraft collision - model aircraft
<i>An event involving an aircraft collision with model aircraft.</i>		
2050303	Aircraft collision an airborne object other than those listed above	Aircraft collision - other object
<i>An event involving an aircraft collision with an airborne object other than another aircraft, balloon, dirigible, bird, model aircraft or parachutist.</i>		

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2050304	Aircraft collision with parachutist in the air	Aircraft collision - parachutist
	<i>An event involving an aircraft collision with parachutist in the air</i>	
2050400	Aircraft collision with object/obstacle on ground	Collision aircraft-object-ground
	<i>An event involving an aircraft collision with an object/obstacle on the ground.</i>	
2050401	Aircraft collision with aerodrome structure including navigation and approach aids	Collision aircraft-structure
	<i>An event involving an aircraft collision with an aerodrome structure including navigation and approach aids.</i>	
2050402	Aircraft collision with an animal	Collision aircraft-animal
	<i>An event involving an aircraft collision with an animal - excluding birds.</i>	
2050403	Aircraft collision with approach/runway/taxiway lights	Collision aircraft-lights
	<i>An event involving an aircraft collision with approach, runway or taxiway lights.</i>	
2050404	Aircraft collision with building	Collision aircraft-building
	<i>An event involving an aircraft collision with a building.</i>	
2050405	Aircraft collision with deadhead/semi-submerged log	Collision aircraft-submerged log
	<i>An event involving an aircraft collision with a deadhead or semi-submerged log. A deadhead is a sunken or submerged log. Used in conjunction with aircraft moving on water.</i>	
2050406	Aircraft collision with an embankment or shore	Collision aircraft-the shore
	<i>An event involving an aircraft collision with an embankment or shore.</i>	
2050407	Aircraft collision with other object on ground	Collision aircraft-other object
	<i>An event involving an aircraft collision with an object on the ground other than one of those listed above or below.</i>	
2050408	Aircraft collision with parked aircraft	Collision aircraft-parked aircraft
	<i>An event involving an aircraft collision with parked aircraft.</i>	
2050410	Aircraft collision with a person	Collision aircraft-person
	<i>An event involving an aircraft collision with a person.</i>	
2050411	Aircraft collision with power line conductor, cable or wire	Collision aircraft-cable/wire/power line
	<i>An event involving an aircraft collision with power line conductor, cable or wire.</i>	
2050412	Aircraft collision with a snow bank	Collision aircraft-snow bank
	<i>An event involving an aircraft collision with a snow bank.</i>	
2050413	Aircraft collision with tall structure, e.g. chimney, mast, post or pole	Collision aircraft-tall structure
	<i>An event involving an aircraft collision with tall structure, e.g. chimney, mast, post or pole</i>	
2050414	Aircraft collision with tree/tall vegetation	Collision aircraft-tree / tall vegetation
	<i>An event involving an aircraft collision with tree(s)/tall vegetation.</i>	
2050415	Aircraft collision with a vehicle	Collision aircraft-vehicle
	<i>An event involving an aircraft collision with a vehicle.</i>	
2050416	Aircraft collision with a wave	Collision aircraft-wave
	<i>An event involving an aircraft collision with a wave.</i>	
2060000	Damage to aircraft	Damage to aircraft
	<i>An event involving damage to the aircraft in general.</i>	
2060100	Aircraft damage caused by explosive decompression	Explosive decompression
	<i>An event involving explosive decompression damage to the aircraft.</i>	
2060200	Aircraft damage caused by foreign object	Foreign object damage
	<i>An event involving foreign object damage to the aircraft.</i>	
2060300	Helicopter damage caused by ground resonance	Ground resonance damage
	<i>An event involving ground resonance damage to the helicopter.</i>	

2060400	Aircraft damage caused by lightning strike	Lightning strike damage
<i>An event involving lightning strike damage to the aircraft.</i>		
<i>Moved to weather encounters</i>		
2060500	Damage caused by aircraft over-stress	Aircraft over-stress damage
<i>An event involving over-stress damage to the aircraft.</i>		
2060600	Damage caused by propeller/rotor/jet blast	Propeller/rotor/jet blast
<i>An event involving propeller blast, helicopter downwash or jet blast damage to the aircraft. Not to be used for cases where an aircraft collided with another one.</i>		
2060700	Damage caused when aircraft sank through surface	Sank through surface
<i>An event involving damage caused to the aircraft when the aircraft sank through the supporting surface.</i>		
2060800	Damage caused by object	Damaged by object
<i>An event involving damage caused to the aircraft when the aircraft was struck by an object.</i>		
2060900	Damage caused by ground equipment, air stairs or a vehicle	Struck by equipment on ground
<i>An event involving damage caused to the aircraft when the aircraft was struck by ground equipment, air stairs or a vehicle.</i>		
<i>Moved to aerodrome</i>		
2061000	Damage caused by turbulence	Turbulence damage
<i>An event involving damage caused to the aircraft when the aircraft encountered turbulence.</i>		
<i>Moved to weather encounters</i>		
2061100	Damage caused by unlawful act	Unlawful act damage
<i>An event involving damage to the aircraft caused by an unlawful act.</i>		
<i>Moved to Security</i>		
2061200	Damage caused by wind	Wind damage
<i>An event involving damage to the aircraft by wind.</i>		
<i>Moved to weather encounters</i>		
2061300	Damage caused when aircraft sank in water	Aircraft sank
<i>An event involving damage to the aircraft caused when the aircraft sank, e.g. after a successful forced landing on water.</i>		
2061400	Damage caused by hail	Hail damage
<i>An event involving damage to the aircraft caused when the aircraft was hit by hail.</i>		
2061500	Damage caused by its main rotor strike	Main rotor strike
<i>An event involving damage caused to the helicopter when it was struck by its main rotor blade, this includes e.g. damage to the tail boom by the main rotor when too much cyclic is applied. Excluded are events where the main rotor strikes another aircraft or object.</i>		
2061600	Electrical static discharge	Electrical static discharge
<i>In cases where everything is OK with STATIC DISCHARGE SYSTEM, but there was an ELECTRICAL STATIC DISCHARGE case. Excludes lightning strikes.</i>		

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2070000	The aircraft departed from the intended movement area	Aircraft off movement area
<i>The aircraft departed from the intended movement area.</i>		
2070100	Runway excursion to the side	Runway side excursion
<i>The aircraft ran off the side of the runway.</i>		
2070200	Taxiway excursion	Taxiway excursion
<i>The aircraft ran off the taxiway.</i>		
2070300	Apron excursion	Apron excursion
<i>The aircraft ran off the apron.</i>		
2070400	The aircraft ran off the end of the runway	Aircraft overrun
<i>The aircraft ran off the end of the runway.</i>		
2080000	Aeroplane - deviation from intended flight path/attitude (fixed wing)	ie - deviations from flight path
<i>An event involving a deviation from intended flight path/attitude by a fixed wing aircraft.</i>		
2080100	Aeroplane - deviation from intended flight path - altitude	oplane - deviation from altitude
<i>An event involving a deviation from intended flight altitude by a fixed wing aircraft. (Loss of altitude control)</i>		
2080200	Aeroplane - deviation from intended flight path - heading	lane - deviation from heading
<i>An event involving a deviation from intended heading by a fixed wing aircraft. (loss of directional control)</i>		
2080300	Aeroplane - mush/stall	Aeroplane - mush/stall
<i>An event involving a mush/stall by a fixed wing aircraft.</i>		
2080400	Aeroplane - spin	Aeroplane - spin
<i>An event involving a spin by a fixed wing aircraft.</i>		
2080500	Aeroplane - spiral dive	Aeroplane - spiral dive
<i>An event involving a spiral dive by a fixed wing aircraft.</i>		
2080600	Aeroplane - deviation from intended pitch attitude	- deviation from pitch attitude
<i>An event involving a pitch deviation from intended flight attitude by a fixed wing aircraft. (loss of pitch control)</i>		
2080700	Aeroplane - deviation from intended roll attitude	e - deviation from roll attitude
<i>An event involving a roll deviation from intended flight attitude by a fixed wing aircraft. (loss of roll control)</i>		
2080800	Aeroplane - porpoising: loss of pitch attitude control	Aeroplane - Porpoising
<i>An event involving porpoising (repeated alternating contact with rwy from nose/main gear, often as a result of overcontrolling the aircraft) a fixed wing aircraft.</i>		
2080900	Deviation from intended flight path/attitude - other	ther deviation from flight path
<i>An event involving a deviation from intended flight attitude other than those listed above by a fixed wing aircraft.</i>		
2090000	Deviation from intended flight path/attitude by a helicopter	helicopter flight path deviation
<i>Deviation from intended flight path/attitude by a helicopter</i>		
2090100	Helicopter deviation from intended altitude	opter - deviation from altitude
<i>An event involving an altitude deviation from intended flight path by a helicopter.</i>		

ECCAIRS 4	Events	Data Definition Standard
2090200	Helicopter deviation from intended heading	opter- deviation from heading
<i>An event involving a heading deviation from intended flight path by a helicopter. (loss of directional control)</i>		
2090300	Helicopter deviation from intended pitch attitude	- deviation from pitch attitude
<i>An event involving an pitch deviation from intended attitude by a helicopter.(loss of pitch control)</i>		
2090400	Helicopter deviation from intended roll attitude	ar - deviation from roll attitude
<i>An event involving a roll deviation from intended flight attitude by a helicopter.</i>		
2090500	Helicopter dynamic roll-over	Helicopter - dynamic roll-over
<i>Ground roll-over of a helicopter, wich results from a cumulative effect of dynamic forces.These forces cause a roll reaction that exceeds in the helicopter exceeding its static rollover angle. (NTSB)</i>		
2090600	Helicopter inadequate rotor rpm	copter - inadequate rotor rpm
<i>An event involving helicopter inadequate rotor rpm.</i>		
2090700	Helicopter settling with power/vortex ring	elicopter - settling with power
<i>Settling with power: A condition of helicopter power settling, in which hover power required exceeds power available, normally resulting from an attempt to hover out of ground effect with insufficient power available to compensate for elevation, temperature, and/or humidity. VORTEX RING STATE: An area of nonuniform and unsteady airflow around a rotating main rotor or tail rotor in which the rotor is affected by an induced velocity of airflow that approaches or exceeds the airflow being produced by the affected rotor. It is characterized by a sudden requirement for increased power and/or rotor pitch when airflow from the affected rotor is forced back through and around the rotor.</i>		
2090800	Helicopter uncontrolled rotation or uncommanded yaw	Helicopter - uncontrolled yaw
<i>An event involving uncontrolled rotation or uncommanded yaw by a helicopter. This includes loss of tail rotor effectiveness (LTE)</i>		
2090900	Helicopter deviation from intended flight path/attitude - oth	ther deviation from flight path
<i>An event involving a helicopter deviation from intended flight path/attitude other than those listed above.</i>		
2100000	Diversion of an aircraft from the intended destination	Aircraft diversion
<i>An event involving any diversion of an aircraft from the intended destination.</i>		
<i>Moved to consequential events</i>		
2100100	Diversion due to weather conditions	Weather conditions
<i>An event involving a diversion by an aircraft due to weather conditions. Moved to consequential events</i>		
2100200	Diversion due to operational decision	Operational decision
<i>An event involving a diversion by an aircraft due to an operational decision. Moved to consequential events</i>		
2100300	Diversion due to technical reasons	Technical reasons
<i>An event involving a diversion by an aircraft due to technical reasons. Moved to consequential events</i>		
2100400	diversion - due to other reasons	Other reasons
<i>An event involving a diversion by an aircraft due to reasons other than those listed above. Moved to consequential events</i>		
2110000	Aircraft fire/explosion	Aircraft fire/explosion
<i>An event involving a fire or explosion. Moved to non-component specific events under aircraft/systems/components.</i>		

ECCAIRS 4	Events	Data Definition Standard
2110100	Aircraft fire	Aircraft fire
<i>An event involving an aircraft fire. Moved to non-component specific events under aircraft/systems/components.</i>		
2110200	Explosion in the aircraft	Explosion in the aircraft
<i>An event involving an explosion in the aircraft. Moved to non-component specific events under aircraft/systems/components.</i>		
2110300	Smoke or fumes in the aircraft	Smoke or fumes in aircraft
<i>An event involving smoke or fumes in the aircraft. Moved to non-component specific events under aircraft/systems/components.</i>		
2120000	Flight preparation related event	Flight preparation
<i>An event related to flight preparation.</i>		
2120100	Incorrect loading	Incorrect loading
<i>An event involving incorrect loading of the aircraft.</i>		
2120200	Incorrect fuel balance	Incorrect fuel balance
<i>An event involving an incorrect fuel balance as a result of action on the ground, not as a result of actions or events during the flight.</i>		
2120300	Take-off in violation of the minimum equipment requirements	Minimum equipment violation
<i>An event involving a take-off in violation of the minimum equipment requirements.</i>		
2120400	Take-off overweight/ incorrect center of gravity	correct centre of gravity (cog)
<i>An event involving an overweight take-off.</i>		
2120500	Take-off with previous damage	Take-off-previous damage
<i>An event involving a take-off with previous damage.</i>		
2130000	Ground handling related event	Ground handling
<i>An event involving ground handling.</i>		
2140000	Ingestion of objects by aircraft engines	Object ingestion-engine
<i>An event involving the ingestion of objects by a aircraft engines.</i>		
2140100	Turbine engine ingestion - bird	Turbine - bird
<i>An event involving the ingestion of a bird by a turbine engine.</i>		
2140200	Aircraft engine ingestion - water	Water
<i>An event involving water ingestion by an aircraft engine.</i>		
2140300	Ingestion - ice	Ice
<i>An event involving ice ingestion by an aircraft engine.</i>		
2140400	Aircraft engine ingestion - other items	Other items
<i>An event involving ingestion by an aircraft engine of items other than birds, ice or liquid water.</i>		
2150000	Injuries to persons	Injuries to persons
<i>An event involving injuries to persons.</i>		
2150100	Injuries from turbulence	Injuries from turbulence
<i>An event involving injuries to an aircraft's occupants due to turbulence.</i>		

2150200	Injuries from abrupt manoeuvre	Injuries-abrupt manoeuvre
<i>An event involving injuries to an aircraft's occupants due to an abrupt manoeuvre.</i>		
2150300	Injuries received from contact with a propeller blast, helico -propeller/jet blast/downwash	
<i>An event involving injuries received from contact with a propeller blast, helicopter rotor downwash or jet blast. This includes injuries which are caused by other objects being moved as a result of the propeller/jet blast/downwash.</i>		
2150400	Injuries received from coming into contact with an aircraft	Injuries-aircraft component
<i>Injuries received from coming into contact with an aircraft or aircraft component</i>		
2150500	Injuries received from sources other than those listed abo	Injuries from other sources
<i>An event involving injuries received from sources other than those listed above.</i>		
2150600	Injuries sustained by persons while being part of a sling lo	Injuries hoist/sling operations
<i>Injuries sustained by persons while being part of a sling load or being hoisted. (excludes injuries to persons on the ground inflicted by the sling load).</i>		
2160000	Material falling off the aircraft	Material off aircraft
<i>An event involving material falling off the aircraft.</i>		
2160100	Ice falling from aircraft	Ice
<i>An event involving a ice falling from aircraft.</i>		
2160101	External ice, resulting from ambient weather, falling off the aircraft	Ice [weather]
<i>An event involving external ice accumulations, resulting from ambient weather, falling off the aircraft.</i>		
2160102	External icing, resulting from galley drainage, falling off the aircraft	Ice [galley drains]
<i>An event involving external ice accumulations, resulting from galley drainage, falling off the aircraft.</i>		
2160103	Ice (toilet water) falling off aircraft	Ice (toilet water)
<i>An event involving external ice accumulations, resulting from toilet drainage, falling off the aircraft.</i>		
2160104	Ice (potable water) falling off aircraft	Ice (potable water)
<i>An event involving external ice accumulations, resulting from drinking water drainage, falling off the aircraft.</i>		
2160105	Ice (undetermined) falling off aircraft	Ice (undetermined)
<i>An event involving external ice accumulations, resulting from a undetermined source, falling off the aircraft.</i>		
2160200	Objects falling off aircraft other than ice	Objects [not ice]
<i>An event involving any object, other than ice, falling off the aircraft.</i>		
2160201	A panel falling off the aircraft	Panels
<i>An event involving a panel falling off the aircraft.</i>		
2160202	An identified component falling off the aircraft	Identified component
<i>An event involving an identified aircraft component, other than a panel, falling off the aircraft.</i>		
2160203	Unidentified component falling off the aircraft	Unidentified component
<i>An event involving an unidentified component falling off the aircraft.</i>		
2160300	Sighting of an object falling off aircraft	Sighting-object from aircraft
<i>An event involving a sighting of an object falling off aircraft.</i>		
2170000	Aircraft navigation related event	Aircraft navigation
<i>An event involving navigation of the aircraft.</i>		
2170100	Wrong aerodrome selected	Wrong aerodrome selected
<i>An event involving the selection of the wrong aerodrome.</i>		

2170200	Wrong runway selected	Wrong runway selected
<i>An event involving the selection of a wrong runway. This can involve either the selection of a one different from the one intended but also one which is not suitable for the the conditions, e.g. too short.</i>		
2170300	Wrong taxiway selected	Wrong taxiway selected
<i>An event involving the selection of the wrong taxiway.</i>		
2170400	Navigation track error	Navigation track error
<i>An event involving the selection of an incorrect track.</i>		
2170500	Navigation error - other	Navigation error - other
<i>An event involving a navigation error other than those listed above.</i>		
2180000	Near collisions with objects/ground or loss of separation between	ft - object/ground separation
<i>An event involving an aircraft in a near collision or a loss of separation from involving another aircraft, an object or the terrain.</i>		
2180100	Loss of separation between aircraft.	collisions - loss of separation
<i>An event involving a loss of separation between aircraft</i>		
2180101	Loss of separation with aircraft -both airborne	aration -aircraft- both airborne
<i>This includes the AIRPROX defined as: A situation in which, in the opinion of a pilot or air traffic services personnel, the distance between aircraft as well as their relative positions and speed have been such that the safety of the aircraft involved may have been compromised. An aircraft proximity is classified as follows:</i>		
<i>Risk of collision. The risk classification of an aircraft proximity in which serious risk of collision has existed.</i>		
<i>Safety not assured. The risk classification of an aircraft proximity in which the safety of the aircraft may have been compromised.</i>		
<i>No risk of collision. The risk classification of an aircraft proximity in which no risk of collision has existed.</i>		
<i>Risk not determined. The risk classification of an aircraft proximity in which insufficient information was available to determine the risk involved, or inconclusive or conflicting evidence precluded such determination.</i>		
2180102	Loss of separation with aircraft - one airborne	aration - one aircraft airborne
<i>An event involving a loss of separation with another aircraft -one airborne</i>		
2180103	Loss of separation with aircraft - both on ground	with aircraft - both on ground
<i>An event involving a loss of separation with aircraft operating on the ground.</i>		
2180104	Loss of separation - potential for collision	eparation - potential collision
<i>An event involving a loss of separation with the potential for a collision.</i>		
2180105	Loss of separation with no risk of collision	eparation: no risk of collision
<i>No risk of collision. The risk classification of an aircraft proximity in which no risk of collision has existed. Doc 4444.</i>		
2180106	Loss of separation - risk of collision not determined	eparation: risk undetermined
<i>Risk not determined. The risk classification of an aircraft proximity in which insufficient information was available to determine the risk involved, or inconclusive or conflicting evidence precluded such determination.Doc 4444</i>		
2180107	Separation minima infringement	eparation minima infringement
<i>Separation minima infringement</i>		
2180200	Near collision with terrain generally	Near collision with terrain
<i>An event involving a near collision by an aircraft with terrain.</i>		
2180201	Near collision with level terrain	lear collision with level terrain
<i>An event involving a near collision by an aircraft with level terrain.</i>		
2180202	Near collision with high terrain/hill/mountain	llision - high terrain/mountain
<i>An event involving a near collision by an aircraft, with high terrain, a hill or a mountain.</i>		

2180300	Near collision with airborne object	Near collision with airborne object
<i>An event involving a near collision by an aircraft with an airborne object.</i>		
2180301	Near collision with a bird	Near collision - bird
<i>An event involving a near collision by an aircraft with a bird.</i>		
2180302	Near collision with an other airborne object	Collision -other airborne object
<i>An event involving a near collision by an aircraft with an airborne object other than one of those listed above.</i>		
2180303	Near collision with an unknown airborne object	Collision - unknown airborne object
<i>An event involving a near collision by an aircraft with an airborne object which was not identified.</i>		
2180304	Near collision with parachutist	Near collision with parachutist
2180400	Near collision with an object on the ground	Collision -object on the ground
<i>An event involving a near collision by an aircraft with an object on the ground.</i>		
2180401	Near collision with a parked aircraft	Near collision- parked aircraft
<i>An event involving a near collision by an aircraft with a parked aircraft.</i>		
2180402	Near collision with tall structure/object	Near collision tall object
<i>An event involving a near collision by an aircraft with tall structure or other object on the ground.</i>		
2180403	Near collision with person	Near collision-with person
<i>An event involving a near collision by an aircraft with a person on the ground.</i>		
2180404	Near collision with parachutist on the ground	Near collision - parachutist
<i>An event involving a near collision by an aircraft with a parachutist on the ground.</i>		
2180405	Near collision with vehicle	Near collision - vehicle
<i>An event a near collision by an aircraft with a vehicle.</i>		
2180406	Near collision with object on the ground	Collision - other ground object
<i>An event involving a near collision by an aircraft with an object on the ground other than one of those listed above.</i>		
2190000	Nosed down/overturnd	Nosed down/overturnd
<i>An event involving an aircraft which nosed down or overturned.</i>		
<i>Note: Moved to 'consequential events' with 427 HF 1</i>		
2200000	Incursions generally	Incursions generally
<i>An event involving any incursion into an area not cleared for entry by the person, aircraft, equipment or vehicle.</i>		
2200100	Runway incursions	Runway incursions
<i>An event involving a runway incursion.</i>		
2200101	Runway incursion by an aircraft	By an aircraft
<i>An event involving a runway incursion by an aircraft.</i>		
2200102	Runway incursion by a vehicle/equipment	By a vehicle/equipment
<i>An event involving a runway incursion by a vehicle or equipment.</i>		
2200103	Runway incursion by a person	By a person
<i>An event involving a runway incursion by a person.</i>		
2200104	Runway incursion by an animal	By an animal
<i>An event involving a runway incursion by an animal.</i>		
2200200	Taxiway incursion	Taxiway incursion
<i>An event involving a taxiway incursion.</i>		
2200201	Taxiway incursion by an aircraft	By an aircraft
<i>An event involving a taxiway incursion by an aircraft.</i>		
2200202	Taxiway incursion by a vehicle/equipment	By a vehicle/equipment
<i>An event involving a taxiway incursion by a vehicle or equipment.</i>		
2200203	Taxiway incursion by a person	By a person
<i>An event involving a taxiway incursion by a person.</i>		

ECCAIRS 4	Events	Data Definition Standard
2200204	Taxiway incursion by an animal <i>An event involving a taxiway incursion by an animal.</i>	By an animal
2200300	Apron/ramp incursion <i>An event involving an apron/ramp incursion.</i>	Apron/ramp incursion
2200301	Apron incursion by an aircraft <i>An event involving an apron incursion by an aircraft.</i>	By an aircraft
2200302	Apron incursion by a vehicle/equipment <i>An event involving an apron incursion by a vehicle or equipment.</i>	By a vehicle/equipment
2200303	Apron incursion by a person <i>An event involving an apron incursion by a person.</i>	By a person
2200304	Apron incursion by an animal <i>An event involving an apron incursion by an animal.</i>	By an animal
2210000	Person (not flight crew) <i>An event involving a person (not flight crew).</i>	Person (not flight crew)
2210100	Difficult passenger <i>An event involving a difficult passenger.</i>	Difficult Passenger
2210200	Medical emergency (not cabin crew) <i>An event involving a medical emergency (not cabin crew).</i>	Medical emergency (Passenger)
2210300	Other, non-flight crew person <i>An event, other than those listed above, involving a non-flight crew person.</i>	Other non-flight crew person
2220000	Weather encounters related event <i>An event involving the weather.</i>	Weather encounters
2220100	Aircraft encountered icing conditions <i>Icing conditions: Weather conditions conducive to the formation of ice on an aircraft in flight. These conditions are usually characterized by visible moisture in the air and temperatures around the freezing level. Pilots encountering icing conditions are urged to issue a pilot weather report (PIREP) immediately.</i>	Icing conditions
2220200	Aircraft encountered windshear <i>Wind shear: A change in wind speed and/or wind direction in a short distance. It can exist in a horizontal or vertical direction and occasionally in both.</i>	Windshear
2220300	Aircraft encountered volcanic ash <i>An event involving an aircraft encounter with volcanic ash.</i>	Volcanic ash
2220400	Aircraft encountered vortex/wake turbulence <i>Wake turbulence: Turbulent air behind an aircraft caused by any of the following: (a) wing-tip vortices; (b) rotor-tip vortices; (c) jet-engine thrust stream or jet blast; (d) rotor downwash; (e) prop wash.</i> <i>Wing tip vortex: A circular pattern of air current created by the movement of an airfoil through the air when the airfoil is generating lift. As an airfoil moves through the atmosphere in sustained flight, an area of high pressure is created beneath it and an area of low pressure is created above it. The air flowing from the high-pressure area to the low-pressure area around and about the tips of the airfoil tends to roll up into two rapidly rotating vortices, cylindrical in shape. These vortices are the predominant parts of aircraft wake turbulence and their rotational force is dependent upon the wing loading, gross weight, and speed of the generating aircraft. The vortices from medium to heavy aircraft can be of extremely high velocity and hazardous to smaller aircraft.</i>	Wake turbulence

ECCAIRS 4	Events	Data Definition Standard
2220500	Aircraft encounter with instrument meteorological conditio	IMC
<p><i>An event involving an aircraft encounter with instrument meteorological conditions. IMC is visibility, distance from clouds, and ceiling less than the minima specified for visual meteorological conditions.</i></p>		
2220600	Aircraft encounter with turbulence	Turbulence
<p><i>Encounter with any or all of</i></p> <ul style="list-style-type: none"> <i>a) clear air turbulence (CAT)</i> <i>b) turbulence in cloud</i> <i>c) vortex / wake turbulence</i> <p><i>also to be used in events in which the aircraft was damaged by turbulence.</i></p> <p>CAT: <i>Clear Air Turbulence (CAT) is the bumpiness experienced by aircraft at high altitudes (above 18,000 feet) in either cloud-free conditions or in stratiform clouds. CAT occurs when undulations (known as gravity waves) in the upper atmosphere become steep and unstable, then break down into chaotic motion. The scale of wave motion that normally affects jet aircraft is on the order of ~10 meters to ~1-2 kilometers. These unstable waves occur when vertical wind shear becomes locally excessive, allowing the waves to overcome the stability of environmental temperature conditions. This condition is known as Kelvin-Helmholtz instability.</i></p> <p><i>Most CAT occurs on the fringes of (not within the core of) the jet stream, in the vicinity of upper level frontal zones where temperature contrasts are strong.</i></p> <p><i>CAT may also occur when strong winds cross a mountain range in certain thermal conditions, allowing gravity waves to amplify and propagate vertically toward the stratosphere. These 'mountain waves' may be smooth undulations, resulting in updrafts and downdrafts (UDDF in pilot report code), or can break down into smaller scale turbulence.</i></p> <p><i>A third instance in which CAT occurs is when strong winds encounter the tops of thunderstorm clouds, resulting in strong shear waves that extend well downstream from the convective cloud.</i></p>		
2220700	Aircraft encountered other unexpected weather conditions	Unexpected weather
<p><i>An event involving an aircraft encounter with unexpected weather conditions other than those listed above.</i></p>		
2220800	Aircraft encountered crosswind	Crosswind
<p><i>An event involving an aircraft encounter with a crosswind.</i> <i>Crosswind: a wind not parallel to the runway or the path of an aircraft.</i></p>		
2220900	Aircraft encountered tailwind	Tailwind
<p><i>An event involving an aircraft encounter with a tailwind.</i></p>		
2221000	Loss of visual reference	Loss of visual reference
<p><i>Loss of visual reference</i></p>		
2221100	Headwind encounter	Headwind encounter
<p><i>Aircraft encountered headwind. Often used to indicate that the headwind was higher than expected or planned for.</i></p>		
2221200	aircraft encountered high winds	High wind
<p><i>aircraft encountered high winds: to be used when the aircraft was damaged by high winds.</i></p>		
2221300	Hail encounter	Hail encounter
<p><i>Hail encounter: to be used when the aircraft was damaged by hail.</i></p>		
2221400	the aircraft encountered adverse cloud conditions	Adverse cloud condition
<p><i>the aircraft encountered adverse cloud conditions, e.g. cloud top too high etc.</i></p>		

ECCAIRS 4	Events	Data Definition Standard
2222000	Lightning strike	Lightning strike
	<i>Lightning strike</i>	
2230000	Security generally related event	Security generally
	<i>An event involving security generally.</i>	
2230100	Bomb warning/scare	Bomb warning/scare
	<i>An event involving a bomb warning/scare.</i>	
2230200	Hijacking	Hijacking
	<i>An event involving a hijacking.</i>	
2230300	Sabotage	Sabotage
	<i>An event involving sabotage.</i>	
2230400	Military intervention	Military intervention
	<i>An event involving military intervention.</i>	
2230500	Difficult / unruly passenger	Difficult / unruly passenger
	<i>Difficult / unruly passenger: includes aggressive behaviour, smoking, not following instructions, significant intoxication, indecent actions etc.</i>	
2230600	Stowaway	Stowaway
	<i>Stowaway: a person hiding on board the aircraft with the intent of obtaining free passage</i>	
2230700	Threats	Threats
	<i>Threats: includes threats made by passengers, bomb threats etc</i>	
2230800	Aircraft damaged by unlawfull act	raft damaged by unlawfull act
	<i>Aircraft damaged by unlawfull act</i>	
2240000	Sailplane/glider specific events	ailplane/glider specific events
	<i>Sailplane/glider specific events: Event specific to sailplane/glider operations. Gilder: heavier than air unpowered fixed wing aircraft</i>	
2240100	Winch launching related event	Vinch launching related event
	<i>Winch launching related event: An event specifically related to launching a sailplane/glider using a winch.</i>	
2240101	Take-off interrupted	Take-off interrupted
	<i>Take-off interrupted. An interruption fo the winch-launch.</i>	
2240104	The rope disconnected from the aircraft during the winch launch	Rope disconnect
	<i>The rope disconnected from the aircraft during the winch launch</i>	
2240198	Other failure during winch launch	Other
	<i>Any other failure during winch launch of a sailplane/glider.</i>	
2240200	An event related to the towing of a sailplane/glider by anot	Aircraft towing
	<i>An event related to the towing of a sailplane/glider by another aircraft</i>	
2240201	Towing aircraft failure	Towing aircraft failure
	<i>Towing aircraft failure - a failure of the towing aircraft</i>	
2240202	Climb above the towing aircraft	limb above the towing aircraft
	<i>Climb above the towing aircraft</i>	
2240203	The rope used in an aerial tow failed	Rope failure
	<i>The rope used in an aerial tow failed</i>	

ECCAIRS 4	Events	Data Definition Standard
2240204	The tow rope used in an aerial tow disconnected	Rope disconnect
	<i>The tow rope used in an aerial tow disconnected</i>	
2240205	Aero tow - other	Aero tow - other
	<i>Any other event related to aero tow operations</i>	
2240300	Missing lift	Missing lift
	<i>Missing lift</i>	
2240301	Missing lift - thermal	Missing lift - thermal
	<i>Missing lift - thermal</i>	
2240302	Missing lift - wave	Missing lift - wave
	<i>Missing lift - wave</i>	
2240303	Missing lift - slope	Missing lift - slope
	<i>Missing lift - slope</i>	
2250000	Balloon specific events	Balloon specific events
	<i>Balloon specific events</i>	
2250100	Envelope burned	Envelope burned
	<i>Envelope burned</i>	
2250101	Skirt burned	Skirt burned
	<i>Skirt burned</i>	
2250102	Panels burned	Panels burned
	<i>Panels burned</i>	
2250200	Envelope ripped	Envelope ripped
	<i>Envelope ripped</i>	
2250300	Basket tipped over	Basket tipped over
	<i>Basket tipped over</i>	
2250400	Basket caught in obstacles	Basket caught in obstacles
	<i>Basket caught in obstacles</i>	
2250500	Basket sliding	Basket sliding
	<i>Basket sliding</i>	
2260000	Warning system triggered - genuine warning	Warning system triggered
	<i>An event involving the triggering of a genuine warning of an aircraft operational warning system, i.e. warning systems which are not related to the performance of the aircraft systems.</i>	
2260100	Genuine airborne collision avoidance system/traffic alert a	ACAS/TCAS triggered
	<i>An event involving a genuine airborne collision avoidance system/traffic alert and collision avoidance system warning.</i>	
	<i>ACAS: An aircraft system based on secondary surveillance radar (SSR) transponder signals which operates independently of ground-based equipment to provide advice to the pilot on potential conflicting aircraft that are equipped with SSR transponders.</i>	
	<i>Note 1.- In this context the term "independently" means that ACAS operates independently of other systems used by air traffic services except for communications with Mode S ground stations.</i>	
	<i>TCAS:TCAS is the terminology used in the United States for its traffic alert and collision avoidance system. In ICAO the system is known as ACAS.</i>	
2260200	Genuine configuration warning triggered	Configuration warning
	<i>An event involving a genuine configuration warning.</i>	
2260300	Genuine ground proximity warning system warning	Ground proximity warning
	<i>An event involving a genuine ground proximity warning system warning. GPWS: System capable of preventing the crew of an airplane from imminent collision with the ground.</i>	
	<i>(ICAO NAVIG 1999, Oct., p. 394)</i>	

ECCAIRS 4	Events	Data Definition Standard
2260400	Genuine health monitoring system warning triggered	Health monitoring system warning
<i>Health monitoring system: a diagnostic/prognostic system that could monitor aircraft and rotorcraft structural components in flight.</i>		
2260500	Stall warning triggered	Stall warning triggered
<i>Stall warning triggered</i>		
2260600	Other warning system triggered	Other warning system triggered
<i>An event involving a genuine warning from an airborne system, other than those for which a specific event type is provided.</i>		
2260700	Fuel imbalance warning	Fuel imbalance warning
<i>Fuel imbalance warning</i>		
2270000	Interference with aircraft from the ground	Interference with aircraft from the ground
<i>Interference with aircraft from the ground, a ground activity that interfered with the operation of the aircraft.</i>		
2270100	Interference by LASER/Beamer	Interference by LASER/Beamer
<i>Interference by LASER/Beamer. Beamer: high powered light e.g used to create effects</i>		
2270200	Interference by fire works	Interference by fire works
2270300	Interference by search lights	Interference by search lights
2270400	Interference by flying kites	Interference by flying kites
2270500	Interference by model aircraft activity	Interference by model aircraft activity
<i>To be used in cases where it did not result in a near-collision which is to found under near collisions with airborne objects.</i>		
2270600	Interference by balloons	Interference by balloons
<i>e.g. free flying balloons from a country fair or massive release of balloons for other reasons.</i>		
2270700	Interference by other ground based activity	Interference by other ground based activity
2280000	An event related to the carriage of cargo in the aircraft.	Cargo related
<i>An event related to the carriage of cargo in the aircraft. The does not include handling /loading of the aircraft which is covered separately. (See loading / cargo handling at the aerodrome).</i>		
2280100	Cargo leak	Cargo leak
<i>An event involving a leak from the aircraft's cargo other than a radiation leak during the operation of the aircraft, i.e. not during loading or handling of the cargo at the aerodrome.</i>		
2280200	Cargo shifted	Cargo shifted
<i>An event involving a shift of the aircraft's cargo after the aircraft was loaded, i.e. during the operation of the aircraft.</i>		
2280300	Cargo radiation leak	Cargo radiation leak
<i>An event involving a leak of radioactive material, or radiation, from the aircraft's cargo during aircraft operations.</i>		
2290000	An event related to external load operations	External load operations
<i>Events related to the helicopter external load or external cargo. External load and external cargo includes long lines without loads and human cargo and hoist. Technical related events to external load handling equipment, such as the winch, should be coded under the relevant code ATA 5000 'Cargo and Accessory Compartments'.</i>		

ECCAIRS 4	Events	Data Definition Standard
2290100	Dropped/Released/Jettisoned - unintentional	Dropped/Released/Jettisoned - unintentional
<i>Dropped/Released/Jettisoned - unintentional. Note: the intentional release of a sling load as the consequence of previous events is covered under "consequential events".</i>		
2290200	Load fell out of sling.	Load fell
<i>External load fell out of sling. The external sling load as such did not detach, but all or parts of the load fell out.</i>		
2290300	Load into main rotor	Load into main rotor
<i>The external load came into contact with the main rotor.</i>		
2290400	Load into tail rotor	Load into tail rotor
<i>The external load came into contact with the tail rotor.</i>		
2290500	The rope/line came into contact with the main rotor	Rope/Line into main rotor
<i>The rope/line came into contact with the main rotor</i>		
2290600	The rope/line came into contact with the tail rotor	Rope/Line into tail rotor
<i>The rope/line came into contact with the tail rotor</i>		
2290700	Load collided with or caught in terrain/object	Load collided with or caught in terrain/object
<i>The external load collided with or was caught in/by terrain/object</i>		
2290800	Rope/Line collided with or caught in terrain/object	Rope/Line collided with or caught in terrain/object
<i>The Rope/Line collided with or was caught in/by terrain/object.</i>		
2290900	Load oscillated/rotated	Load oscillated/rotated
<i>The external load oscillated/rotated</i>		
2291000	The external load contacted/hit the fuselage	Load contact with fuselage
<i>The external load contacted/hit the fuselage</i>		
2291100	Rope/line contact with fuselage	Rope/line contact with fuselage
<i>The rope/line contacted / became entangled with the fuselage</i>		

ECCAIRS 4	Events	Data Definition Standard
3000000	Consequential events	Consequential events
<i>An event evolving from another event.</i>		
3010000	precautionary landing	Precautionary landing
<i>A landing necessitated by apparent impending failure of engines, systems, or components which makes continued flight inadvisable.</i>		
<i>A precautionary landing as the consequence of previous events.</i>		
3020000	declared emergency	Declared emergency
<i>A declared emergency as the consequence of previous events.</i>		
3020100	Declared emergency - Distress - MAYDAY MAYDAY MAYD	Declared emergency - Mayday
<i>Declared emergency - Distress - MAYDAY MAYDAY MAYDAY</i>		
3020200	Declared emergency - Urgency - PAN PAN PAN	Declared emergency - PAN call
<i>Declared emergency - Urgency - PAN PAN PAN</i>		
3030000	rejected take-off	Rejected take-off
<i>A rejected take-off as the consequence of previous events.</i>		
3030100	High speed rejected take-off (at and above V1)	High speed rejected take-off
<i>High speed rejected take-off - a take-off rejected at a speed at or above V1.</i>		
3030200	Low speed rejected take-off (below V1)	Low speed rejected take-off
<i>A take-off rejected at a speed below V1.</i>		
3040000	Rejected landing	Rejected landing
<i>A rejected landing as the consequence of previous events. A rejected/aborted landing implies that the aircraft had touched down before.</i>		
3050000	Missed approach	Missed approach
<i>A missed approach as the consequence of previous events.</i>		
3060000	Emergency descent	Emergency descent
<i>An emergency descent as the consequence of previous events. The events marks the decision to carry out the emergency descent. "Emergency descent" as a sub phase indicates the phase of flight of the aircraft while implementing such a decision.</i>		
3070000	Ditching - forced landing on water	Ditching
<i>A ditching, an unavoidable controlled emergency landing on water as the consequence of previous events.</i>		
3080000	Forced landing	Forced landing
<i>Forced landing. A landing necessitated by failure of engines, systems, or components which makes continued flight impossible, and which may or may not result in damage.</i>		
<i>A forced landing as the consequence of previous events. Note: forced landings is to be used when the aircraft is landed on land. Use 'Ditching' for forced landings on water.</i>		

ECCAIRS 4	Events	Data Definition Standard
3090000	An approach below minima	Approach below minima
<i>An approach below minima was carried out as the consequence of previous events.</i>		
3100000	Fuel dumping	Fuel dumping
<i>Fuel dumping</i>		
3110000	Evacuation	Evacuation
<i>Evacuation: Evacuation means the leaving of the aircraft through approved exits and using approved means following the aircraft emergency evacuation procedure. Escape from the wreckage through breaks in the fuselage is not what is meant by 'evacuation'. Unauthorized leaving the aircraft resulting from panic of passengers is also included here.</i>		
3120000	The landing was executed without flaps/slats	Flapless landing
<i>The landing was executed without flaps/slats being used. This usually results in higher speeds.</i>		
3130000	Fuel burn off	Fuel burn off
<i>Intentional holding to consume fuel before landing. Usually done in order to prevent overweight landing or to reduce fire hazards.</i>		
3140000	Aircraft return	Aircraft return
<i>The aircraft returned to its point of departure</i>		
3150000	Overweight landing	Overweight landing
<i>Overweight landing - a landing in which the maximum permissible landing weight was exceeded.</i>		
3160000	Aircraft abandoned / crew ejected or bailed out	Aircraft abandoned / crew ejected
<i>The aircraft was abandoned, the crew ejected or bailed out.</i>		
3170000	Cargo dumped	Cargo dumped
<i>Cargo dumped: e.g. dumping the cargo of an agricultural aircraft as a consequence of a preceding event.</i>		
3180000	Emergency cancelled	Emergency cancelled
<i>An emergency cancelled as the consequence of previous events.</i>		
3190000	Flight cancellation	Flight cancellation
<i>A flight cancellation as the consequence of previous events.</i>		
3200000	Flight delay	Flight delay
<i>The flight was delayed as the consequence of a preceding event.</i>		

3210000 Fly-past inspection Fly-past inspection

Fly-past inspection: the aircraft is flying over an observation point (e.g. tower) to permit ground staff to inspect the aircraft. Often used to determine whether the landing gear has been properly extended.

3220000 Handling check Handling check

Handling check: a check by the crew to determine whether there is any abnormality in handling the aircraft, e.g. after an unusual noise has been heard.

3230000 Precautionary descent Precautionary descent

A precautionary descent as the consequence of previous events.

3240000 Sling load dropped Sling load dropped

The intentional dropping of the sling load of the helicopter triggered by a preceding event. Dropping of the sling load as a result of any technical failure or malfunction is covered under 'external load operations'. If the dropping was caused by malfunction of the winch, it is covered under the cargo systems related factors (5000).

3250000 Diversion of an aircraft from the intended destination Diversion

Diversion: the diversion from the intended destination to another one. Note: Diverting to the aerodrome of departure is to be coded 'aircraft returned'.

3250100 Diversion due to weather conditions Diversion - weather

An event involving a diversion by an aircraft due to weather conditions.

3250200 Diversion due to technical reasons Diversion - technical reasons

An event involving a diversion by an aircraft due to technical reasons.

3250300 Diversion due to operational decision version - operational decision

An event involving a diversion by an aircraft due to an operational decision.

3250400 diversion - due to other reasons Diversion - other

An event involving a diversion by an aircraft due to reasons other than those listed above.

3260000 Change aircraft Change aircraft

A change of aircraft as the consequence of previous events.

3270000 Emergency autorotation (helicopter) emency autorotation (helicopter)

An emergency autorotation (helicopter) as the consequence of previous events.

3280000 Engine shutdown/flameout Engine shutdown/flameout

An Engine shutdown/flameout as the consequence of previous events.

3280100 Engine shutdown - precautionary (soft) utdown - precautionary (soft)

An Engine shutdown (soft) as the consequence of previous events.

3280200 Engine shutdown (hard) Engine shutdown (hard)

An Engine shutdown (hard) as the consequence of previous events.

ECCAIRS 4	Events	Data Definition Standard
3290000	aircraft nosed down/overtuned	Nosed down/overtuned
<p><i>An event involving an aircraft which nosed down or overturned. This event is to be used for occurrences on the ground, usually after the nose gear collapsed/retracted or when the aircraft overturned after the gear entered soft ground. Note: the aircraft can also be overturned by jetblast.</i></p>		
3300000	Uncommanded movement of the aircraft resulting from some provided movement of the aircraft	
<p><i>The aircraft moved when there was no intent of it to be moving. This should capture cases where after a manual engine start, the aircraft starts to run away from its pilot, but also those cases where, e.g. due to vibrations, a helicopter is moving 'on its own'. Could also be used for aircraft 'jumping the chocks'</i></p>		
3310000	Evasive manoeuvre	Evasive manoeuvre
<p><i>Evasive manoeuvre: a manoeuvre carried out by the crew in order to avoid an aircraft / vehicle / obstacle as the consequence of having it observed or being warned of its presence.</i></p>		
3320000	Bounced landing	Bounced landing
<p><i>bounced landing: a landing involving repeated touchdowns.</i></p>		

ECCAIRS 4	Events	Data Definition Standard
4000000	Air Navigation Services related event	Air Navigation Services
<i>An event involving the Air Navigation Services.</i>		
4010000	Air Navigation Services operational issues	Operational issues
<i>An event involving Air Navigation Services operational issues.</i>		
4010100	Air Navigation Services operational communications relate	Communications
<i>An event involving Air Navigation Services operational communications.</i>		
4010200	Air Navigation Services operational information provision r	Information provision
<i>An event involving Air Navigation Services operational information provision.</i>		
4010201	Provision of ANS flight information	Provision of ANS flight information
<i>Provision of ANS flight information</i>		
4010202	Provision of ANS geographical information	Provision of ANS geographical information
<i>Provision of ANS geographical information</i>		
4010203	Provision of ANS weather information	Provision of ANS weather information
<i>Provision of ANS weather information</i>		
4010204	Provision of ANS traffic information	Provision of ANS traffic information
<i>Provision of ANS traffic information</i>		
4010300	Air Navigation Services separation provision related event	Separation provision
<i>An event involving Air Navigation Services separation provision.</i>		
4010400	Air Navigation Services conflict detection and resolution r	Conflict detection/resolution
<i>An event involving Air Navigation Services conflict detection and resolution.</i>		
4010500	Air Navigation Services handling of accidents/incidents/e	Handling-occurrences
<i>An event involving Air Navigation Services handling of an accident, incident or an emergency.</i>		
4010600	Air Navigation Services handing over/taking over procedur	Handing over procedure
<i>An event involving Air Navigation Services handing over/taking over procedure.</i>		
4010700	An event related to an ATC clearance itself	Clearance related
<i>An event related to an ATC clearance itself, e.g wrong, incorrect, erroneous clearance</i>		
4010701	Clearance - wrong altitude	Clearance - wrong altitude
<i>Clearance - wrong altitude</i>		
4010702	Clearance - wrong heading	Clearance - wrong heading
<i>Clearance - wrong heading</i>		
4010703	Clearance - wrong speed	Clearance - wrong speed
<i>Clearance - wrong speed</i>		
4010704	Clearance - wrong aircraft	Clearance - wrong aircraft
<i>Clearance - wrong aircraft, the clearance was given to the wrong aircraft.</i>		
4020000	Aeronautical Information Service related event	Aeronautical Info Service
<i>An event involving the Aeronautical Information Service.</i>		
4020100	Aeronautical Information Service out of date information p	Out of date information
<i>An event involving out of date information provided by the Aeronautical Information Service.</i>		
4020200	Aeronautical Information Service up to date but users have	Data difference
<i>An event involving a difference between Aeronautical Information Service data and that in use.</i>		
4020300	Aeronautical Information Service erroneous data	Erroneous data
<i>An event involving erroneous data provided by the Aeronautical Information Service.</i>		

ECCAIRS 4	Events	Data Definition Standard
4020400	Flight crew and Air Traffic Management using different dat	Flight crew & ATM data
	<i>An event involving flight crew and Air Traffic Management using different data.</i>	
4030000	Air Traffic Flow Management related event	ATFM
	<i>An event involving Air Traffic Flow Management.</i>	
4040000	Airspace management related event	Airspace management
	<i>An event involving airspace management.</i>	
4050000	Air Traffic Management/Communication, Navigation and Surveillan	ATM/CNS serviceability
	<i>An event involving an Air Traffic Management or Communication, Navigation and Surveillance serviceability related event.</i>	
4050100	Inability to provide air traffic management	Failure of ATM
	<i>An event involving an inability to provide air traffic management.</i>	
4050101	Inability to provide Air Traffic Services	Failure Air Traffic Services
	<i>An event involving an Air Traffic Management inability to provide Air Traffic Services.</i>	
4050102	Inability to provide AirSpace Management services	Failure ASM
	<i>An event involving an Air Traffic Management inability to provide AirSpace Management services.</i>	
4050103	Inability to provide Air Traffic Flow Management services	Failure ATFM
	<i>An event involving an Air Traffic Management inability to provide Air Traffic Flow Management services.</i>	
4050200	Air Traffic Management/Communication, Navigation and S	Failure of communication
	<i>An event involving an Air Traffic Management or Communication, Navigation and Surveillance failure of communication.</i>	
4050300	Failure of surveillance	Failure of surveillance
	<i>An event involving an Air Traffic Management or Communication, Navigation and Surveillance failure of surveillance.</i>	
4050400	Failure of data processing	Failure of data processing
	<i>An event involving an Air Traffic Management or Communication, Navigation and Surveillance failure of data processing.</i>	
4050500	Failure of support information	Failure-support information
	<i>An event involving an Air Traffic Management or Communication, Navigation and Surveillance failure of support information.</i>	
4050600	Failure to provide navigation	Failure to provide navigation
	<i>An event involving an Air Traffic Management or Communication, Navigation and Surveillance failure to provide navigation.</i>	
4050700	Failure of the power supply	Failure-provide power supply
	<i>An event involving an Air Traffic Management or Communication, Navigation and Surveillance failure of the power supply.</i>	
4060000	Air Traffic Management security/emergency situation	ATM emergency situation
	<i>An event involving a Air Traffic Management security/emergency situation.</i>	
4060100	Fire in an Air Traffic Management facility	Fire-ATM facility
	<i>An event involving a fire in an Air Traffic Management facility.</i>	

ECCAIRS 4	Events	Data Definition Standard
4060200	Unlawful interference with an Air Traffic Management facility	Unlawful interference
<i>An event involving unlawful interference with an Air Traffic Management facility.</i>		
4060300	Bomb threat to an Air Traffic Management facility	Bomb threat
<i>An event involving a bomb threat to an Air Traffic Management facility.</i>		
4060400	Smoke in an Air Traffic Management facility	Smoke-ATM facility
<i>An event involving smoke in an Air Traffic Management facility.</i>		
4060500	Sabotage of an Air Traffic Management facility	Sabotage-ATM facility
<i>An event involving sabotage of an Air Traffic Management facility.</i>		
4060600	Other emergency or security event	Other event
<i>An emergency or security event involving an Air Traffic Management facility other than one of those listed above.</i>		
4070000	Events affecting Air Traffic Management operations	Events affecting ATM
<i>An event affecting Air Traffic Management operations.</i>		
4070100	Closure of a flight information region	Closure of FIR
<i>An event involving the effect of the closure of a flight information region on Air Traffic Management operations.</i>		
<i>FIR: An airspace of defined dimensions within which flight information service and alerting service are provided. (An 2, An 3, An 4, An 11, PANS-RAC)</i>		
4070200	Closure of an aerodrome	Closure of aerodrome
<i>An event involving the effect of the closure of an aerodrome.</i>		
<i>Aerodrome: A defined area on land or water (including any buildings, installations and equipment) intended to be used either wholly or in part for the arrival, departure and surface movement of aircraft.</i>		
<i>Note.- The term "aerodrome" where used in the provisions relating to flight plans and ATS messages is intended to cover also sites other than aerodromes which may be used by certain types of aircraft, e.g. helicopters or balloons.</i>		
<i>[The note to the above definition appears only in Doc 4444-PANS-RAC.]</i>		
<i>(An 2; An 3; An 4; An 6/l; An 6/ll; An 11; An 14/l; PANS-RAC)</i>		
4070300	Closure of runway	Closure of runway
<i>An event involving the effect of the closure of a runway on Air Traffic Management operations.</i>		
<i>Runway: A defined rectangular area on a land aerodrome prepared for the landing and take-off of aircraft.</i>		
<i>(An 2, An 3, An 4, An 11, An 14/l, PANS-RAC)</i>		
4070400	Air space capacity reduction	Reduced capacity
<i>An event involving the effect of an air space capacity reduction on Air Traffic Management operations.</i>		

ECCAIRS 4	Events	Data Definition Standard
5000000	Aerodrome and ground aids related event	Aerodrome & ground aids
<i>An event involving an aerodrome and ground aids generally.</i>		
5010000	Ground aids related event	Ground aids generally
<i>An event involving ground aids generally.</i>		
5010100	Aerodrome approach systems related event	Aerodrome approach systems
<i>An event involving an aerodrome approach system.</i>		
5010101	Instrument landing system related event	Instrument landing system (ILS)
<i>An event involving an instrument landing system (ILS).</i>		
5010102	Global positioning system related event	Global positioning system (GPS)
<i>An event involving a global positioning system. GPS: The satellite navigation system operated by the United States.</i>		
5010103	Marker beacon related event	Marker beacon
<i>An event involving a marker beacon.</i>		
5010104	Non-directional beacon related event	Non-directional beacon (NDB)
<i>An event involving a non-directional beacon.</i>		
5010105	Distance measuring equipment related event	Distance measuring equipment (DME)
<i>An event involving a distance measuring equipment.</i>		
5010106	VHF omni-directional radio range related event	VHF omni-directional radio range (VOR)
<i>An event involving a very high frequency omni-directional radio range.</i>		
5010107	Precision approach path indicator related event	Precision approach path indicator (PAPI)
<i>An event involving a precision approach path indicator.</i>		
5010108	Microwave landing systems related event	Microwave landing systems (MLS)
<i>An event involving a microwave landing system (MLS).</i>		
5010109	Precision approach radar related event	Precision approach radar (PAR)
<i>An event involving a precision approach radar.</i>		
5010110	Visual approach slope indicator related event	Visual approach slope indicator (VASI)
<i>An event involving a visual approach slope indicator.</i>		
5020000	Aerodrome systems related event	Aerodrome systems
<i>An event involving an aerodrome system.</i>		
5020100	Aerodrome lighting systems related event	Lighting
<i>An event involving an aerodrome lighting system.</i>		
5020101	Aerodrome approach lighting related event	Aerodrome approach lighting
<i>An event involving an aerodrome's approach lighting.</i>		
5020102	Aerodrome runway lighting related event	Runway lighting
<i>An event involving an aerodrome's runway lighting.</i>		
5020103	Aerodrome taxiway lighting related event	Taxiway lighting
<i>An event involving an aerodrome's taxiway lighting.</i>		
5020104	Aerodrome apron lighting related event	Apron lighting
<i>An event involving an aerodrome's apron lighting.</i>		
5020200	Aerodrome back-up power system related event	Back-up power
<i>An event involving an aerodrome's back-up power system.</i>		
5020300	Aerodrome signs related event	Signs
<i>An event involving aerodrome signs.</i>		
<i>Sign. a) Fixed message sign. A sign presenting only one message.</i>		
<i>b) Variable message sign. A sign capable of presenting several pre-determined messages or no message, as applicable.</i>		

5020400	Aerodrome markings related event	Markings
<i>An event involving aerodrome markings.</i>		
<i>Marking. A symbol or group of symbols displayed on the surface of the movement area in order to convey aeronautical information.</i>		
5020401	Aerodrome runway marking related event	Runway marking
<i>An event involving an aerodrome's runway marking.</i>		
<i>Marking. A symbol or group of symbols displayed on the surface of the movement area in order to convey aeronautical information.</i>		
5020402	Aerodrome taxiway marking related event	Taxiway marking
<i>An event involving an aerodrome's taxiway marking.</i>		
<i>Marking. A symbol or group of symbols displayed on the surface of the movement area in order to convey aeronautical information.</i>		
5020403	Aerodrome apron marking related event	Apron marking
<i>An event involving an aerodrome's apron marking.</i>		
<i>Marking. A symbol or group of symbols displayed on the surface of the movement area in order to convey aeronautical information.</i>		
5020404	Aerodrome obstacle marking related event	Obstacle marking
<i>An event involving an aerodrome's obstacle marking.</i>		
<i>Obstacle. All fixed (whether temporary or permanent) and mobile objects, or parts thereof, that are located on an area intended for the surface movement of aircraft or that extend above a defined surface intended to protect aircraft in flight.</i>		
<i>Marking. A symbol or group of symbols displayed on the surface of the movement area in order to convey aeronautical information.</i>		
5020500	Aerodrome overrun catch equipment related event	Overrun catch equipment
<i>An event involving an aerodrome's overrun catch equipment.</i>		
5020600	Event related to other aerodrome equipment	Other equipment
<i>An event involving aerodrome equipment other than that mentioned above.</i>		
5020700	Winch-launch equipment	Winch-launch equipment
<i>An event related to winch-launch equipment</i>		
5020701	Winch failed	Winch failed
<i>Winch failed</i>		
5020702	Winch-launch cable broke	Winch-launch cable broke
<i>Winch-launch cable broke</i>		
5020798	Other winch-launch equipment related event	Winch equipment related event
<i>Other winch-launch equipment related event</i>		
5020800	Main power system	Main power system
5030000	Aerodrome services/operations related event	Aerodrome services / operations
<i>An event involving aerodrome services/operations generally.</i>		
5030100	Aerodrome apron management service related event	Apron management
<i>An event involving the aerodrome apron management service.</i>		
5030200	Aerodrome snow/ice removal related event	Snow/ice removal
<i>An event involving the aerodrome snow/ice removal programme.</i>		
5030300	Aerodrome maintenance related event	Maintenance
<i>An event involving the aerodrome maintenance.</i>		

ECCAIRS 4	Events	Data Definition Standard
5030400	Foreign object control	Foreign object control
<i>Event related to the control of foreign objects at the aerorome</i>		
5030500	Bird control	Bird control
<i>Bird control: an event related to the bird control at the aerodrome</i>		
5030600	Wildlife control	Wildlife control
<i>An event related to to control of wildlife at the aerodrome</i>		
5030700	Vehicle/equipment operations	Vehicle/equipment operations
<i>Vehicle/equipment operations: an event related to the operation of vehicles or equipment</i>		
5030701	Collision of a vehicle with an another vehicle or moveable equipment	Vehicle - vehicle collision
<i>Collision of a vehicle with an another vehicle or moveable equipment</i>		
5030702	Collision of a vehicle/moveable equipment with a person	Vehicle - person collision
<i>Collision of a vehicle/moveable equipment with a person</i>		
5030703	Collision of a vehicle or moveable equipment with another object / obstacle	Vehicle - object collision
<i>Collision of a vehicle or moveable equipment with another object / obstacle</i>		
5030704	A standing or parked aircraft was struck/damaged by a vehicle/equipment	Aft struck/damaged by vehicle
<i>Collision of a vehicle or moveable equipment with a standing or parked aircraft. Note: collisions of vehicles with moving aircraft are covered under aircraft operations (aircraft collision with vehicle).</i>		
5040000	Aerodrome functioning or layout related event	Functioning/layout generally
<i>An event involving the aerodrome functioning or layout generally.</i>		
5040100	Aerodrome layout related event	Aerodrome layout
<i>An event involving the aerodrome layout.</i>		
5040200	Aerodrome function related event	Aerodrome functioning
<i>An event involving the functioning of the aerodrome.</i>		
5050000	Ground handling services	Ground handling services
<i>Ground handling services</i>		
5050100	Line maintenance	Line maintenance
<i>Line maintenance</i>		
5050200	De-icing	De-icing
<i>De-icing</i>		
5050300	Loading	Loading
<i>Loading: events related to the loading of the aircraft</i>		
5050301	Loading of baggage	Loading of baggage
<i>Loading of baggage</i>		
5050302	Loading of cargo	Loading of cargo
<i>Loading of cargo</i>		
5050303	Loading - other	Loading - other
<i>Loading - other</i>		
5050400	Servicing	Servicing
<i>Event related to the servicing of the aircraft.</i>		
5050401	Fuelling	Fuelling
<i>Event related to the fuelling / refuelling/ fuel uplift</i>		

ECCAIRS 4	Events	Data Definition Standard
	5050402 Catering	Catering
	<i>Catering</i>	
	5050403 Fluid servicing	Fluid servicing
	<i>Fluid servicing, e.g. potable water</i>	
	5050404 Servicing - other	Servicing - other
	<i>Servicing - other: Servicing the aircraft other than fuelling, catering, etc.</i>	
5060000	Event related to working with cargo at the aerodrome.	Cargo related
	<i>Cargo related: event related to working with cargo at the aerodrome, i.e. not necessarily in the context of loading/unloading aircraft. Excluded are events related to the carriage of cargo in the aircraft. They are found under aircraft operations - cargo related events.</i>	
	5060100 Cargo handling	Cargo handling
	<i>Cargo handling</i>	
	5060200 Cargo acceptance	Cargo acceptance
	<i>Cargo acceptance</i>	
	5060300 Cargo weighting	Cargo weighting
	<i>Cargo weighting</i>	
	5060400 Cargo labelling	Cargo labelling
	<i>Cargo labelling</i>	
	5060500 Cargo packaging	Cargo packaging
	<i>Cargo packaging</i>	
	5060600 Cargo moving	Cargo moving
	<i>Cargo moving</i>	
	5060700 Cargo loading/unloading	Cargo loading/unloading
	<i>Cargo loading/unloading : note loading/unloading from the aircraft is covered elsewhere. This is the loading /unloading in respect to other means of conveyance at the airport.</i>	
	5060800 Cargo security check	Cargo security check
	<i>Cargo security check</i>	
	5060900 Cargo stowage	Cargo stowage
	<i>Cargo stowage at the airport, not in the aircraft.</i>	
5070000	Aerodrome security	Aerodrome security
	<i>Aerodrome security related events</i>	
	5070100 Unlawful entry	Unlawful entry
	<i>Unlawful entry, including attempts to enter without authorization</i>	
	5070200 Sabotage	Sabotage
	<i>Sabotage: Acts of sabotage on the aerodrome</i>	
	5079800 Other aerodrome security related event	Aerodrome security related event
	<i>Other aerodrome security related event</i>	

6000000 **Civil aviation authority/administration related event**

CAA

An event involving the civil aviation authority (or administration).

ECCAIRS 4	Events	Data Definition Standard
7000000	Events related to the non-compliance with regulations	Regulatory issues / events
<i>Events related to the non-compliance with regulations</i>		
7010000	Duty time related	Duty time related
<i>Duty time related: an event related to the duty time of personnel</i>		
7010100	Duty time exceeded	Duty time exceeded
<i>The exceedance of the duty time by a person</i>		
7020000	Rest time related	Rest time related
<i>Rest time related: an event related to the rest time of personnel</i>		
7020100	Rest time less than required by regulation	Rest time less than required
<i>Rest time less than required by regulation</i>		
7030000	Staffing related event	Staffing related event
<i>An event involving the staffing of a workplace such as insufficient staff at hand or staff not properly qualified.</i>		
7030100	Staffing/crewing less than required	ng/crewing less than required
<i>There were fewer staff/crew members at the workplace than required by regulation.</i>		
7030200	Crew/staff not licensed for activity	w/staff not licensed for activity
<i>Crew/staff did not possess valid licences for the activity undertaken</i>		
7040000	Operation in violation of license	eration in violation of license
<i>Operation with an invalid license or carrying out an operation not covered by the license</i>		
7040100	Air operator certificat (AOC) invalid	erator certificat (AOC) invalid
<i>The operation was carried out while the operator had no Air Operator Certificate (AOC) or carried out the operation in violation of the conditions of the AOC.</i>		
7040200	ATS license invalid	ATS license invalid
<i>The Air Traffic Service provider had no license or carried out its operation in violation of the conditions of the license</i>		
7050000	Aircraft related regulatory event/issue	related regulatory event/issue
<i>Aircraft related regulatory event/issue</i>		
7050100	Operation of the aircraft in violation of the MEL	eration in violation of the MEL
<i>Operation of the aircraft in violation of the MEL</i>		
7050200	Aircraft was not equipped for the type of operation undertaken	aft not equipped for operation
<i>Aircraft was not equipped for the type of operation undertaken, e.g. missing equipment on board such as survival gear required for the particular operation.</i>		
7050300	Aircraft not RVSM (Reduced Vertical Separation Minimum)	Aircraft not RVSM equipped
<i>Aircraft not RVSM equipped while being operated in RVSM airspace. RVSM: Reduced Vertical Separation Minimum of 1.000 ft (300 m.)</i>		
7050400	The aircraft was not equipped or certified for the type of approach	ipped / certified for approach
<i>The aircraft was not equipped or certified for the type of approach flown</i>		
7050500	Aircraft operating time / maintenance interval exceeded	aintenance interval exceeded
<i>Aircraft operating time / maintenance interval exceeded</i>		
7050600	Aircraft not airworthy	Aircraft not airworthy
<i>Aircraft not airworthy</i>		

ECCAIRS 4	Events	Data Definition Standard
7050601	Aircraft not airworthy - airworthiness directive not implemented	rective (AD) not implemented
	<i>Aircraft not airworthy - airworthiness directive not implemented</i>	
7050700	Invalid / no permit to fly: a permit to fly was required for th	Invalid / no permit to fly
	<i>Invalid / no permit to fly: a permit to fly was required for the flight undertaken but it was not obtained or not valid</i>	
7060000	Operation in violation of an aerodrome curfew	violation of aerodrome curfew
	<i>Operation in violation of aerodrome curfew: the aircraft was taking off too early or arrived too late at an aerodrome covered by a curfew.</i>	

98000000 **An event other than those listed above**

Any other event

An problem involving an event other than those listed above.

ECCAIRS 4	Events	Data Definition Standard
99000000	Unknown	Unknown
<i>Something happenend but the details are not known or insufficient to permit a more detailed classification.</i>		
99010000	Missing aircraft	Missing aircraft
<i>The aircarft is considered missing when the official search has been terminated.</i>		