

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

ECCAIRS 4	Events	Data Definition Standard
<b>1000000</b>	<b>Aircraft/system/component related event</b>	Aircraft/system/component
	<i>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.</i>	
<b>1010000</b>	<b>Aircraft performance related event (ATA Code:0100)</b>	0100 Aircraft performance
	<i>(ATA Code:0100) An event involving the published performance of the aircraft.</i>	
<b>1010100</b>	<b>Degraded performance (ATA Code:0101)</b>	0101 Degraded performance
	<i>(ATA Code:0101) An event in which the aircraft fails to achieve its published performance.</i>	
<b>1090000</b>	<b>Towing and taxiing equipment related event (ATA Code:0900)</b>	g & taxiing equipment related
	<i>(ATA Code:0900) An event involving equipment of the aircraft specifically used for the towing and taxiing.</i>	
<b>1091000</b>	<b>Towing related event (ATA Code:0910)</b>	0910 Towing
	<i>(ATA Code:0910) An event involving the equipment of the aircraft used for towing.</i>	
<b>1091001</b>	<b>Tow bar/tow cable break</b>	Tow bar/cable break
	<i>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.</i>	
<b>1100000</b>	<b>Parking and mooring related event (ATA Code:1000)</b>	1000 Parking & mooring
	<i>(ATA Code:1000) An event involving parking or mooring equipment of the aircraft.</i>	
<b>1110000</b>	<b>Placarding related event (ATA Code:1100)</b>	1100 Placarding
	<i>(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.</i>	
<b>1120000</b>	<b>Servicing related event (ATA Code:1200)</b>	1200 Servicing
	<i>(ATA Code:1200) An event involving the servicing of the aircraft.</i>	
<b>1180000</b>	<b>1800 Helicopter vibration / noise analysis systems related event</b>	pter vibration / noise analysis
<b>1180100</b>	<b>1810 Helicopter vibration analysis system related event</b>	) Helicopter vibration analysis
<b>1182000</b>	<b>1820 Helicopter noise analysis system related event</b>	320 Helicopter noise analysis
	<i>1820 Helicopter noise analysis system related event</i>	
<b>1210000</b>	<b>Air conditioning and pressurization system related event (ATA Cod</b>	conditioning & pressurization
	<i>(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.</i>	
<b>1210100</b>	<b>Cabin cooling system (ATA 2150)</b>	2150 Cabin cooling system
	<i>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.</i>	
<b>1210101</b>	<b>Equipment Cooling System (ATA 2158)</b>	3 Equipment Cooling System
	<i>Equipment Cooling System (ATA 2158)</i>	
<b>1220000</b>	<b>Autoflight system related event (ATA Code:2200)</b>	2200 Autoflight system
	<i>(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.</i>	

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<b>1230000</b>	<b>Communication systems related event (ATA Code:2300)</b>	2300 Communication system
	(ATA Code:2300) <i>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>	
<b>1240000</b>	<b>Electrical power system related event (ATA Code:2400)</b>	2400 Electrical power system
	(ATA Code:2400) <i>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>	
<b>1250000</b>	<b>Aircraft furnishing related event (ATA Code:2500)</b>	2500 Aircraft furnishing
	(ATA Code:2500) <i>An event involving the removable items of equipment and furnishings mounted or contained in the flight, passenger, cargo and accessory compartments.</i>	
<b>1251000</b>	<b>Flight compartment related event (ATA Code:2510)</b>	2510 Flight compartment
	(ATA Code:2510) <i>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>	
<b>1252000</b>	<b>Passenger compartment related event (ATA Code:2520)</b>	!520 Passenger compartment
	(ATA Code:2520) <i>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>	
<b>1253000</b>	<b>Buffet/galleys related event (ATA Code:2530)</b>	2530 Buffet/galleys
	(ATA Code:2530) <i>An event involving the galley equipment. Typical parts are hot plate, coffee pot, food carts, ovens, tray, pad, relay, switch, connector and dispenser.</i>	
<b>1254000</b>	<b>Lavatories related event (ATA Code:2540)</b>	2540 Lavatories
	(ATA Code:2540) <i>An event involving the units and associated systems and parts located in lavatories, e.g. trash containers and dispensers.</i>	
<b>1255000</b>	<b>Cargo compartment related event (ATA Code:2550)</b>	2550 Cargo compartment
	(ATA Code:2550) <i>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>	
<b>1255900</b>	<b>Cargo related event (ATA Code:2559)</b>	2559 Cargo related
	(ATA Code:2559) <i>An event involving the aircraft's cargo.</i>	
<b>1255901</b>	<b>Cargo leak</b>	Cargo leak
	<i>An event involving a leak from the aircraft's cargo other than a radiation leak.</i>	
<b>1255902</b>	<b>Cargo shifted</b>	Cargo shifted
	<i>An event involving a shift of the aircraft's cargo after the aircraft was loaded.</i>	
<b>1255903</b>	<b>Cargo smoke/fumes/fire</b>	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>	
<b>1255904</b>	<b>Cargo radiation leak</b>	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	<b>Cargo/sling load dropped</b> <i>Cargo/sling load dropped: to used when the dropping of the load was the result of any failure. Intentional dropping of the sling load is covered under 'consequential events'. Moved to external load operations.</i>	Cargo/sling load dropped
1256500	<b>An event related to escape chute/slides (ATA Code:2565)</b>	2565 Escape slide
1260000	<b>Fire protection system related event (ATA Code:2600)</b> <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>	2600 Fire protection system
1270000	<b>Aircraft flight control related event (ATA Code:2700)</b> <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>	2700 Aircraft flight control
1270100	<b>2750 Trailing edge flap control system (ATA code 2750)</b> <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>	Trailing edge flap control system
1270200	<b>Leading Edge Slat Control System (ATA 2780)</b> <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>	Leading Edge Slat Control System
1280000	<b>Fuel system related event (ATA Code:2800)</b> <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>	2800 Fuel system
1280100	<b>Fuel leak (ATA Code:2801)</b> <i>(ATA Code:2801) Fuel leak: fuel escaping from broken/ruptured fuel lines, reservoirs etc</i>	2801 Fuel leak
1290000	<b>Hydraulic system related event (ATA Code:2900)</b> <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>	2900 Hydraulic system
1300000	<b>Ice/rain protection system related event (ATA Code:3000)</b> <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>	3000 Ice/rain protection system
1310000	<b>Instruments related event (ATA Code:3100)</b> <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>	3100 Instruments
1313000	<b>Data recording related event (ATA Code:3130)</b> <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>	3130 Data recording

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1315000	<b>Central warning related event (ATA Code:3150)</b>  (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.	3150 Central warning
1320000	<b>Landing gear related event (ATA Code:3200)</b>  (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.	3200 Landing gear
1321000	<b>Main landing gear related event (ATA Code:3210)</b>  (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.	3210 Main landing gear
1321001	<b>Main gear partial collapse or retraction</b>  An event involving a collapse or retraction of the aircraft's main landing gear while it was supporting the aircraft.	ar - Partial collapse/retraction
1321002	<b>Main gear complete collapse or retraction</b>  An event involving the complete gear collapse or retraction while it was supporting the aircraft.	g gear - collapse or retraction
1322000	<b>Nose/tail landing gear related event (ATA Code:3220)</b>  (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.	3220 Nose/tail landing gear
1322001	<b>Nose gear collapsed/retracted</b>  An event involving the collapse or retraction of the aircraft's nose gear while it was supporting the aircraft.	ing gear - collapsed/retracted
1324000	<b>Wheels and brakes related event (ATA Code:3240)</b>  (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-icing system. Typical parts are line, hose, fitting, park brake valve and gauge.	3240 Wheels & brakes
1324100	<b>Tyres related event (ATA Code:3244)</b>  (ATA Code:3244) An event related to tyre defects and failures.	3244 Tyres
1324200	<b>Brakes related event (ATA Code:3242)</b>  (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.	3242 Brakes
1324207	<b>Parking brake related event</b>  An event involving the aircraft's parking brake.	Parking brake
1324214	<b>Emergency brake related event</b>  An event involving the aircraft's emergency brake.	Emergency brake
1324400	<b>Anti-skid system related event (ATA Code:3241)</b>  (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.	3241 Anti-skid system
1325000	<b>Landing gear steering related event (ATA Code:3250)</b>  (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.	3250 Landing gear steering
1326000	<b>Landing gear position and warning system related event (ATA Code:3260)</b>  (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.	3260 Gear position & warning

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1327000	<b>Auxiliary landing gear related event (ATA Code:3270)</b> <i>(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.</i>	3270 Auxiliary landing gear
1327001	<b>Other gear collapsed/retracted</b> <i>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.</i>	Other gear collapse
1330000	<b>Aircraft lighting related event (ATA Code:3300)</b> <i>(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.</i>	3300 Aircraft lighting
1340000	<b>Navigation systems related event (ATA Code:3400)</b> <i>(ATA Code:3400) An event involving the units and components which provide aircraft navigational information.</i>	3400 Navigation systems
1341400	<b>Airspeed/Mach indicating system related event (ATA Code:3414)</b> <i>(ATA Code:3414) An event involving the instrument which measures and indicates speed of the aircraft.</i>	Airspeed/Mach indicating system
1341600	<b>Altitude system related event (ATA Code:3416)</b> <i>(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.</i>	3416 Altitude system
1341800	<b>Flight management system related event (ATA Code:3418)</b> <i>(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 annunciations.</i>	8 Flight management system
1342000	<b>3420 Attitude and direction data system related event (ATA Code:3420)</b> <i>(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).</i>	Attitude and direction data system
1343000	<b>Landing and taxi aids related event (ATA Code:3430)</b> <i>(ATA Code:3430) An event involving the system providing guidance during approach, landing and taxiing. Includes such items as, ILS, paravision director, ground guidance systems and markers.</i>	3430 Landing and taxi aids
1344000	<b>Independent position determining system related event (ATA Code:3440)</b> <i>(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.</i>	Independent position system
1344400	<b>Ground proximity warning system related event (ATA Code:3444)</b> <i>(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 processes the warning computer input signals from various sources in order to determine if and when the crew should be alerted of a terrain hazard.</i>	44 Ground proximity warning
1344401	<b>Ground proximity warning system nuisance alarm</b> <i>An event involving nuisance warnings by the aircraft's ground proximity warning system.</i>	GPWS nuisance alarm
1344402	<b>Other ground proximity warning system related event</b> <i>An event involving the aircraft's ground proximity warning system other than a nuisance warning.</i>	Other GPWS event

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1344500	<b>Airborne collision avoidance system/traffic alert and collision avoidance system related event (ATA Code:3445)</b> <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>	3445 ACAS/TCAS
1344501	<b>ACAS/TCAS nuisance alarm</b> <i>An event involving a nuisance alarm from the aircraft's airborne collision avoidance system or traffic alert and collision avoidance system.</i>	TCAS nuisance alarm
1350000	<b>Oxygen system related event (ATA Code:3500)</b> <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>	3500 Oxygen system
1360000	<b>Pneumatic system related event (ATA Code:3600)</b> <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>	3600 Pneumatic system
1370000	<b>Vacuum system related event (ATA Code:3700)</b> <i>(ATA Code:3700) An event involving the units and components used to generate, deliver and regulate negative air pressure.</i>	3700 Vacuum system
1380000	<b>Drinkable/waste water system related event (ATA Code:3800)</b> <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>	Drinkable/waste water system
1490000	<b>Auxiliary power unit related event (ATA Code:4900)</b> <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>	4900 Auxiliary power unit
1500000	<b>5000 CARGO AND ACCESSORY COMPARTMENTS related event</b> <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>	5000 CARGO AND ACCESSORY COMPARTMENTS
1510000	<b>Repairs to airframe/structure related event (ATA Code:5100)</b> <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>	Repairs to airframe/structure
1510100	<b>Airframe structure - general related event (ATA Code:5101)</b> <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>	01 Airframe structure-general
1520000	<b>Aircraft's doors related event (ATA Code:5200)</b> <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>	5200 Aircraft's doors
1520100	<b>Doors - general related event (ATA Code:5201)</b> <i>(ATA Code:5201) An event involving any of the aircraft's doors in general.</i>	5201 Doors-general

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1520101	<b>Door opening</b> <i>An event involving the inadvertent or intentional opening of any of the aircraft's doors.</i>	Door opening
1520102	<b>Door separation</b> <i>An event involving the separation of any of the aircraft's doors.</i>	Door separation
1520170	<b>Door warning system related event</b> <i>An event involving the aircraft's door warning system.</i>	Door warning system
1530000	<b>Aircraft's fuselage related event (ATA Code:5300)</b>  <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>	5300 Aircraft's fuselage
1530100	<b>Airframe failure - other than general breakup (ATA Code:53)</b>  <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>	5301 Airframe failure-other
1530200	<b>Airframe general disintegration or break-up (ATA Code:530)</b>  <i>(ATA Code:5302) An event involving a general disintegration or break-up of the aircraft's airframe or structure.</i>	5302 Airframe break-up
1540000	<b>Aircraft engine nacelle or pylon related event (ATA Code:5400)</b>  <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>	5400 Aircraft engine nacelle/pylon
1550000	<b>Aircraft empennage related event (ATA Code:5500)</b>  <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>	5500 Aircraft empennage
1552000	<b>Aircraft elevator related event (ATA Code:5520)</b>  <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>	5520 Aircraft elevator
1554000	<b>Aircraft rudder related event (ATA Code:5540)</b>  <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>	5540 Aircraft rudder
1560000	<b>Aircraft windows/windshields related event (ATA Code:5600)</b>  <i>(ATA Code:5600) An event involving the fuselage and crew compartment windows inclusive of windshields.</i>	Aircraft windows/windshields
1560100	<b>Aircraft's windows in general related event (ATA Code:560)</b>  <i>(ATA Code:5601) An event involving the aircraft's windows in general.</i>	Aircraft's windows in general
1560101	<b>Window separation in flight</b>  <i>An event involving the separation in flight of an aircraft window.</i>	Window separation in flight
1561000	<b>5610 Flight compartment window</b>  <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>	0 Flight compartment window
1570000	<b>Aircraft wing related event (ATA Code:5700)</b>  <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>	5700 Aircraft wing

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1575000	<b>Control surfaces (on the wing) related event (ATA Code:57)</b> <i>(ATA Code:5750) An event involving the control surfaces which are attached to the wing.</i>	5750 Control surfaces
1610000	<b>Propellers related event (ATA Code:6100)</b> <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>	6100 Propellers generally
1610100	<b>Aircraft's propellers related event (ATA Code:6101)</b> <i>(ATA Code:6101) An event involving any of the aircraft's propellers in general.</i>	01 Aircraft propellers-general
1610101	<b>Propeller over-speed</b> <i>An event involving a propeller over-speed.</i>	Propeller over-speed
1610102	<b>Propeller separation</b> <i>An event involving the separation of a propeller from its engine.</i>	Propeller separation
1610120	<b>Propeller control</b> <i>An event related to the control of a propeller.</i>	Propeller control
1620000	<b>Rotorcraft main rotor systems related event (ATA Code:6200)</b> <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>	1 Rotorcraft main rotor system
1620100	<b>Helicopter's main rotor in general related event (ATA Code:6201)</b> <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>	6201 Main rotor-general
1620101	<b>Main rotor blade flapping</b> <i>An event involving flapping of the helicopter's main rotor blades.</i>	Main rotor blade flapping
1630000	<b>Main rotor drive system related event (ATA Code:6300)</b> <i>(ATA Code:6300) An event involving the main rotor drive system.</i>	6300 Main rotor drive system
1630100	<b>Main rotor drive shaft (ATA Code:6301)</b> <i>(ATA Code:6301) An event involving the helicopter's main rotor drive shaft.</i>	6301 Main rotor drive shaft
1632000	<b>Main rotor transmission/gearbox (ATA Code:6320)</b> <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>	6320 Main rotor transmission
1632001	<b>Gearbox chip warning</b> <i>Gearbox chip warning</i>	Gearbox chip warning
1640000	<b>Rotorcraft tail rotor system related event (ATA Code:6400)</b> <i>(ATA Code:6400) An event involving the rotorcraft tail rotor system.</i>	00 Rotorcraft tail rotor system
1650000	<b>Tail rotor drive system related event (ATA Code:6500)</b> <i>(ATA Code:6500) An event involving the rotorcraft's tail rotor drive system.</i>	6500 Tail rotor drive system
1651000	<b>Tail rotor drive shaft related event (ATA Code:6510)</b> <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>	6510 Tail rotor drive shaft
1652000	<b>Tail rotor gearbox (90 deg) related event (ATA Code:6520)</b> <i>(ATA Code:6520) An event involving the helicopter's tail rotor 90 degree gearbox.</i>	20 Tail rotor gearbox (90 deg)
1653000	<b>Tail rotor gearbox (45 deg) related event (ATA Code:6530)</b> <i>(ATA Code:6530) An event involving the helicopter's tail rotor 45 degree gearbox.</i>	30 Tail rotor gearbox (45 deg)

ECCAIRS 4	Events	Data Definition Standard
1670000	<b>Rotorcraft flight control systems related event (ATA Code:6700)</b> <i>(ATA Code:6700) An event involving the rotorcraft control systems.</i>	Rotorcraft flight control system
1710000	<b>Powerplant package related event (ATA Code:7100)</b> <i>(ATA Code:7100) An event involving the power plant package.</i>	7100 Powerplant package
1720000	<b>Turbine engine related event (ATA Code:7200)</b> <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>	7200 Turbine engine
1720100	<b>Turbine engine generally (ATA Code:7201)</b> <i>(ATA Code:7201) An event involving a turbine engine generally.</i>	01 Turbine engine - generally
1720101	<b>Turbine engine - tearaway</b> <i>An event involving a turbine engine tearaway.</i>	Turbine engine - tearaway
1720102	<b>Turbine engine - Uncontained failure</b> <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>	1 engine - Uncontained failure
1720103	<b>Turbine engine - mechanical failure</b> <i>An event involving a mechanical failure of a turbine engine, i.e. something broke etc.</i>	2 ie engine - mechanical failure
1720104	<b>Turbine engine - non mechanical failure</b> <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>	3 ie engine - non mechanical failure
1720105	<b>Simulated failure of a turbine engine</b> <i>An event involving a simulated failure of a turbine engine.</i>	4 ie engine - simulated failure
1720106	<b>Turbine Engine fuel starvation</b> <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>	5 Turbine engine - fuel starvation
1720107	<b>Turbine Engine asymmetric thrust</b> <i>An event involving asymmetric thrust due to a loss of power from a turbine engine.</i>	6 ie engine - asymmetric thrust
1720108	<b>Turbine engine multiple failures</b> <i>An event involving multiple failures of the aircraft's turbine engines.</i>	7 ie engine - multiple failures
1720109	<b>Turbine engine - vibration</b> <i>Turbine engine - vibration</i>	8 Turbine engine - vibration
1720110	<b>Turbine engine gearbox related event</b> <i>An event involving a failure of a gearbox in one of the aircraft's turbine engines</i>	9 ie engine - engine gearbox
1720113	<b>Turbine engine chip warning</b> <i>Turbine engine chip warning</i>	10 Turbine engine chip warning
1730000	<b>Enginel fuel system related event (ATA Code:7300)</b> <i>(ATA Code:7300) An event involving turbine or reciprocating engine fuel systems of the engine.</i>	7300 Engine fuel system
1740000	<b>Engine ignition system related event (ATA Code:7400)</b> <i>(ATA Code:7400) An event involving the aircraft's engine ignition system.</i>	7400 Engine ignition system
1750000	<b>Engine air system related event (ATA Code:7500)</b> <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>	7500 Engine air system

ECCAIRS 4	Events	Data Definition Standard
1760000	<b>Engine controls related event (ATA Code:7600)</b>  <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>	7600 Engine controls
1770000	<b>Engine indicating system related event (ATA Code:7700)</b>  <i>(ATA Code:7700) An event involving engine indicating system discrepancies.</i>	700 Engine indicating system
1780000	<b>Engine exhaust system related event (ATA Code:7800)</b>  <i>(ATA Code:7800) An event involving engine exhaust system defects.</i>	7800 Engine exhaust system
1783000	<b>Thrust reverser system related event (ATA Code:7830)</b>  <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>	7830 Thrust reverser system
1790000	<b>Engine oil system related event (ATA Code:7900)</b>  <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>	7900 Engine oil system
1800000	<b>Engine starting system related event (ATA Code:8000)</b>  <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>	8000 Engine starting system
1810000	<b>Auxiliary engine turbine related event (ATA Code:8100)</b>  <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>	8100 Auxiliary engine turbine
1820000	<b>Engine water injection system related event (ATA Code:8200)</b>  <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>	Engine water injection system
1830000	<b>Powerplant accessory gearbox related event (ATA Code:8300)</b>  <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>	8300 Accessory gearbox
1850000	<b>Reciprocating engine related event (ATA Code:8500)</b>  <i>(ATA Code:8500) An event involving reciprocating engine problems, e.g. over temperature, metal contamination and vibration.</i>	8500 Reciprocating engine
1850100	<b>Reciprocating engine in general (ATA Code:8501)</b>  <i>(ATA Code:8501) An event involving a reciprocating engine in general.</i>	Reciprocating engine general
1850101	<b>Reciprocating engine tearaway</b>  <i>An event involving a reciprocating engine tearaway, i.e. the engine separated from the aircraft.</i>	Reciprocating engine - tearaway

ECCAIRS 4	Events	Data Definition Standard
1850102	<b>Reciprocating engine - uncontained failure</b> <i>An event involving an uncontained failure in a reciprocating engine.</i>	engine - uncontained failure
1850103	<b>Reciprocating engine - mechanical failure</b> <i>An event involving a mechanical failure in a reciprocating engine</i>	ig engine - mechanical failure
1850104	<b>Power loss in a reciprocating engine due to non-mechanical failure</b> <i>An event involving a power loss in a reciprocating engine due to non-mechanical failure.</i>	igine - non-mechanical failure
1850105	<b>Reciprocating engine - simulated failure</b> <i>An event involving a simulated power loss in a reciprocating engine.</i>	ting engine - simulated failure
1850106	<b>Reciprocating engine - fuel starvation</b> <i>An event involving a power loss in a reciprocating engine due to fuel starvation.</i>	cating engine - fuel starvation
1850107	<b>Reciprocating engine - carburettor icing</b> <i>An event involving a power loss in a reciprocating engine due to carburettor icing.</i>	ting engine - carburettor icing
1850108	<b>Failure of more than one reciprocating engine</b> <i>An event involving multiple failures of the aircraft's reciprocating engines.</i>	ting eninge - multiple failures
1850109	<b>Reciprocating engine - gearbox failure</b> <i>An event involving a failure of a reciprocating engine gearbox.</i>	ating engine - gearbox failure
1850110	<b>Reciprocating engine - vibration</b> <i>Reciprocating engine - Vibration</i>	ciprocating engine - vibration
1990000	<b>Non-component specific events</b> <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>	on-component specific events
1990100	<b>Explosions / fire/ fumes / smoke</b> <i>Events involving explosions / fire/ fumes / smoke</i>	Explosions / fire/ fumes / smoke
1990101	<b>Explosion</b> <i>Explosion - to be used when the location of the explosion was not provided or could not be established.</i>	Explosion
1990102	<b>Explosion - Cockpit</b> <i>Explosion - Cockpit: an explosion in the cockpit.</i>	Explosion - Cockpit
1990103	<b>Explosion - passenger cabin</b> <i>Explosion - passenger cabin</i>	Explosion - passenger cabin
1990104	<b>Explosion - cargo pod / cargo hold</b> <i>Explosion - cargo pod / cargo hold</i>	Explosion - cargo pod / cargo hold
1990105	<b>Explosion - Galley</b> <i>Explosion - Galley</i>	Explosion - Galley
1990106	<b>Explosion - lavatory</b> <i>Explosion - lavatory</i>	Explosion - lavatory
1990107	<b>Explosion - Avionics bay</b> <i>Explosion - Avionics bay</i>	Explosion - Avionics bay
1990108	<b>Explosion - powerplant</b> <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>	Explosion - powerplant
1990109	<b>Explosion - APU</b> <i>Explosion - APU, includes explosion of the APU as well as explosions in the APU bay.</i>	Explosion - APU
1990110	<b>Explosion - other location</b> <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>	Explosion - other location
1990111	<b>Fire</b> <i>Fire - to be used when the location of the fire was not provided or could not be established.</i>	Fire
1990112	<b>Fire - Cockpit</b> <i>Fire - Cockpit</i>	Fire - Cockpit

ECCAIRS 4	Events	Data Definition Standard
1990113	<b>Fire - Passenger cabin</b> <i>Fire - Passenger cabin</i>	Fire - Passenger cabin
1990114	<b>Fire - Cargo hold / pod</b> <i>Fire - Cargo hold / pod</i>	Fire - Cargo hold / pod
1990115	<b>Fire - Galley</b> <i>Fire - Galley</i>	Fire - Galley
1990116	<b>Fire - Lavatory</b> <i>Fire - Lavatory</i>	Fire - Lavatory
1990117	<b>Fire - Avionics bay</b> <i>Fire - Avionics bay</i>	Fire - Avionics bay
1990118	<b>Fire - Powerplant</b> <i>Fire - Powerplant. If the fire in the powerplant causes a loss of power, enter the loss of power as subsequent event</i>	Fire - Powerplant
1990119	<b>Fire - APU</b> <i>Fire - APU</i>	Fire - APU
1990120	<b>Fire - other location</b> <i>Fire - other location: a fire in a location of the aircraft not found on the detailed list.</i>	Fire - other location
1990121	<b>Fumes</b> <i>Fumes - to be used when the location of the fumes was not provided or could not be established.</i>	Fumes
1990122	<b>Fumes - Cockpit</b> <i>Fumes - Cockpit</i>	Fumes - Cockpit
1990123	<b>Fumes - Passenger cabin</b> <i>Fumes - Passenger cabin</i>	Fumes - Passenger cabin
1990124	<b>Fumes - Cargo hold / pod</b> <i>Fumes - Cargo hold / pod</i>	Fumes - Cargo hold / pod
1990125	<b>Fumes - Galley</b> <i>Fumes - Galley</i>	Fumes - Galley
1990126	<b>Fumes - Lavatory</b> <i>Fumes - Lavatory</i>	Fumes - Lavatory
1990127	<b>Fumes - Avionics bay</b> <i>Fumes - Avionics bay</i>	Fumes - Avionics bay
1990128	<b>Fumes - Powerplant</b> <i>Fumes - Powerplant</i>	Fumes - Powerplant
1990129	<b>Fumes - APU</b> <i>Fumes - APU</i>	Fumes - APU
1990130	<b>Fumes - other location</b> <i>Fumes - other location: in a location of the aircraft not found on the detailed list.</i>	Fumes - other location
1990131	<b>Smoke</b> <i>Smoke: to be used when the location of the smoke was not provided or could not be established.</i>	Smoke
1990132	<b>Smoke - Cockpit</b> <i>Smoke - Cockpit</i>	Smoke - Cockpit
1990133	<b>Smoke - Passenger cabin</b> <i>Smoke - Passenger cabin</i>	Smoke - Passenger cabin
1990134	<b>Smoke - Cargo hold / pod</b> <i>Smoke - Cargo hold / pod</i>	Smoke - Cargo hold / pod
1990135	<b>Smoke - Galley</b> <i>Smoke - Galley</i>	Smoke - Galley
1990136	<b>Smoke - Lavatory</b> <i>Smoke - Lavatory</i>	Smoke - Lavatory
1990137	<b>Smoke - Avionics bay</b> <i>Smoke - Avionics bay</i>	Smoke - Avionics bay

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

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

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

ECCAIRS 4	Events	Data Definition Standard
2011000	<b>Unstabilized approach</b>	Unstabilized approach
	<p><i>Stabilized approach:</i>  <i>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:</i></p> <ol style="list-style-type: none"> <li>1. The aircraft is on the correct flight path;</li> <li>2. Only small changes in heading/pitch are required to maintain the correct flight path;</li> <li>3. The aircraft speed is not more than VREF + 20 knots indicated airspeed and not less than VREF;</li> <li>4. The aircraft is in the correct landing configuration;</li> <li>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;</li> <li>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;</li> <li>7. All briefings and checklists have been conducted;</li> <li>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.</li> </ol> <p>(FSF ALAR tool kit)</p>	
2011100	<b>Warning system triggered - genuine warning</b>	Warning system triggered
	<p><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></p> <p><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></p>	
2011101	<b>Genuine airborne collision avoidance system/traffic alert and collision avoidance system warning triggered</b>	ACAS/TCAS triggered
	<p><i>An event involving a genuine airborne collision avoidance system/traffic alert and collision avoidance system warning.</i></p> <p><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></p> <p><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></p> <p><i>TCAS:TCAS is the terminology used in the United States for its traffic alert and collision avoidance system.</i></p> <p><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. In ICAO the system is known as ACAS.</i></p>	
2011102	<b>Genuine configuration warning triggered</b>	Configuration warning
	<p><i>An event involving a genuine configuration warning.</i></p> <p><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></p>	
2011103	<b>Genuine ground proximity warning system warning</b>	Ground proximity warning
	<p><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></p> <p><i>(ICAO NAVIG 1999, Oct., p. 394)</i></p> <p><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></p>	
2011104	<b>Other warning system triggered</b>	Other warning system triggered
	<p><i>An event involving a genuine warning from an airborne system, other than those listed above.</i></p> <p><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></p>	

ECCAIRS 4	Events	Data Definition Standard
<b>2011105</b>	<b>Health monitoring system warning triggered</b>	th 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>
<b>2011106</b>	<b>Stall warning triggered</b>	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>
<b>2011200</b>	<b>Wheels-up landing,</b>	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>
<b>2011201</b>	<b>Wheels-up landing - intentional</b>	'heels-up landing - intentional <i>An event involving an intentional wheels-up landing, e.g. as a result of some preceding event.</i>
<b>2011202</b>	<b>Wheels-up landing - unintentional</b>	Wheels-up unintentional <i>An event involving an unintentional wheels-up landing, e.g. the crew forgot to lower the landing gear.</i>
<b>2011203</b>	<b>Wheels-up landing cause unknown</b>	s-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>
<b>2011300</b>	<b>Wheels down landing on water</b>	/heels down landing on water <i>An event involving a wheels down landing on water.</i>
<b>2011400</b>	<b>Aircraft landed long</b>	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>
<b>2011500</b>	<b>Aircraft landed fast</b>	Aircraft landed fast <i>aircraft landed fast: aircraft landed at a speed significantly higher than the reference approach speed</i>
<b>2011600</b>	<b>Unsafe descent</b>	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>
<b>2011700</b>	<b>Helicopter - mast bumping</b>	Helicopter - mast bumping <i>The main rotor hub contacting the rotor mast in low G conditions.</i>
<b>2020000</b>	<b>Flight crew interaction with air navigation service related event</b>	Flight crew/ANS <i>An event related to the interaction between the air navigation service and the flight crew.</i>
<b>2020100</b>	<b>Traffic conflict related event</b>	Traffic conflict <i>An event involving a traffic conflict.</i>
<b>2020200</b>	<b>Air navigation service clearance related event</b>	ANS-clearance <i>A clearance related event.</i>
<b>2020201</b>	<b>Air navigation service erroneous clearance</b>	Erroneous clearance <i>The clearance was given in error, a wrong clearance was given.</i>
<b>2020202</b>	<b>Air navigation service clearance to wrong altitude</b>	Clearance-wrong altitude <i>An event related to a clearance to the wrong altitude by the ANS services.</i>

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2020300	<b>Communications between pilot and air navigation service</b>	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	<b>Controlled/restricted airspace infringement</b>	Airspace infringement
	<i>An event involving an infringement / unauthorized penetration of a controlled or restricted airspace.</i>	
2020500	<b>Deviation from an air traffic control clearance</b>	Deviation/ATC clearance
	<i>An event involving a deviation from an air traffic control clearance.</i>	
2020501	<b>Clearance deviation - start-up</b>	Deviation-start-up
	<i>An event related to a deviation from an air traffic control clearance on start-up.</i>	
2020502	<b>Clearance deviation - push-back</b>	Deviation-push-back
	<i>An event involving a deviation from an air traffic control push back clearance.</i>	
2020503	<b>Clearance deviation - taxi</b>	Deviation-taxi
	<i>An event related to a deviation from an air traffic control clearance associated with taxiing.</i>	
2020504	<b>Clearance deviation - line-up</b>	Deviation-line-up
	<i>An event related to a deviation from an air traffic control clearance associated with line-up.</i>	
2020505	<b>Clearance deviation - take-off</b>	Deviation-take-off
	<i>An event related to a deviation from an air traffic control clearance associated with take-off.</i>	
2020506	<b>Clearance deviation - en-route</b>	Deviation-en-route
	<i>An event related to a deviation from an air traffic control en-route clearance.</i>	
2020507	<b>Clearance deviation - oceanic</b>	Deviation-oceanic
	<i>An event related to a deviation from an air traffic control oceanic clearance.</i>	
2020508	<b>Clearance deviation - approach</b>	Deviation-approach
	<i>An event related to a deviation from an air traffic control approach clearance.</i>	
2020509	<b>Clearance deviation - holding</b>	Deviation-holding
	<i>An event related to a deviation from an air traffic control holding clearance.</i>	
2020510	<b>Clearance deviation - landing</b>	Deviation-landing
	<i>An event related to a deviation from an air traffic control landing clearance.</i>	
2020511	<b>Clearance deviation - runway crossing</b>	Deviation-runway crossing
	<i>An event related to a deviation from an air traffic control runway crossing clearance.</i>	
2020512	<b>Clearance deviation - clearance limit</b>	Deviation-clearance limit
	<i>An event related to a deviation from an air traffic control clearance limit.</i>	
2020513	<b>Clearance deviation - special procedure</b>	Deviation-special procedure
	<i>An event related to a deviation from an air traffic control special procedure clearance.</i>	
2020514	<b>Clearance deviation - missed approach</b>	Deviation-missed approach
	<i>An event related to a deviation from an air traffic control missed approach clearance.</i>	
2020515	<b>Deviation from clearance - low approach</b>	Deviation-low approach
	<i>An event related to a deviation from an air traffic control low approach clearance.</i>	
2020516	<b>Deviation from clearance - touch and go</b>	Deviation-touch and go
	<i>An event related to a deviation from an air traffic control touch and go clearance.</i>	
2020517	<b>Deviation from clearance - assigned flight level/altitude, also known as altitude bust or level bust</b>	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	<b>Deviation from clearance - assigned route/track/heading</b>	Deviation-assigned details
	<i>An event related to a deviation from an air traffic control assigned route/track/heading.</i>	
2020519	<b>Deviation from clearance - assigned or specified speed</b>	Deviation-specified speed
	<i>An event related to a deviation from an air traffic control assigned or specified speed.</i>	

ECCAIRS 4	Events	Data Definition Standard
2020520	<b>Deviation from clearance - time restriction or constraint</b>  <i>An event related to a deviation from an air traffic control time restriction or constraint.</i>	Deviation-time restriction
2020521	<b>Deviation from clearance - rate of climb/descent restrictions</b>  <i>An event related to a deviation from air traffic control rate of climb/descent restrictions.</i>	Deviation-climb/descent
2020522	<b>Deviation from clearance - climb/descent conditional clearance</b>  <i>An event related to a deviation from air traffic control climb/descent restrictions.</i>	Descent-conditional clearance
2020523	<b>Deviation - hold short</b>  <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>	Deviation - hold short
2020524	<b>Deviation - noise abatement procedure</b>  <i>Deviation - noise abatement procedure</i>	- noise abatement procedure
2020600	<b>Provision of information by the air navigation service related event</b>  <i>An event related to the provision of information by the air navigation service.</i>	ANS provision-information
2020601	<b>Provision of flight information by the air navigation service related event</b>  <i>An event involving the provision of flight information by the air navigation service.</i>	ANS flight information
2020602	<b>Provision of geographical, terrain or height information by the air navigation service related event</b>  <i>An event involving the provision of geographical, terrain or height information by the air navigation service.</i>	ANS geographical info
2020603	<b>Provision of meteorological information by the air navigation service related event</b>  <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>	ANS weather information
2020604	<b>Provision of traffic information by the air navigation service related event</b>  <i>An event involving the provision of traffic information by the air navigation service. (late, improper, not at all etc.)</i>	ANS traffic information
2020700	<b>Deviation from ATM Regulation</b>  <i>An event involving a deviation from an Air Traffic Management Regulation.</i>	Deviation-ATM Regulation
2020701	<b>Unauthorised penetration of airspace</b>  <i>An event involving an unauthorised penetration of airspace. Deleted: Now covered under airspace infringement.</i>	Airspace entry
2020702	<b>Deviations from ATM mandatory carriage of aircraft equipment</b>  <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>	Deviations/ATM equipment
2020703	<b>other</b>  <i>An event involving a deviation from an applicable Air Traffic Management Regulation other than those listed above.</i>	Other deviation ATM
2020800	<b>Flight crew deviation from applicable ATM procedures</b>  <i>An event involving flight crew deviation from applicable Air Traffic Management procedures.</i>	Flight crew deviation
2020801	<b>Deviation from minimum safe altitude en-route</b>  <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>	En-route MSA
2020802	<b>Deviation from landing minima</b>  <i>An event involving flight crew deviation from applicable Air Traffic Management landing minima.</i>	ATM landing minima

ECCAIRS 4	Events	Data Definition Standard
2020803	<b>Deviation from standard instrument departure</b> <i>An event involving flight crew deviation from applicable Air Traffic Management Standard Instrument Departure procedure.</i>	ATM SID
2020804	<b>Deviation from Standard Terminal Arrival Route</b> <i>An event involving flight crew deviation from applicable Air Traffic Management Standard Terminal Arrival Route procedure.</i>	ATM STAR
2020805	<b>Deviation from approach procedure</b> <i>An event involving flight crew deviation from applicable Air Traffic Management approach procedure.</i>	ATM approach procedure
2020806	<b>Deviation from speed restriction</b> <i>An event involving flight crew deviation from applicable Air Traffic Management speed restrictions.</i>	ATM speed restriction
2020900	<b>Other Air Traffic Management procedure related event</b> <i>An event involving flight crew deviation from applicable Air Traffic Management procedure other than those listed above.</i>	Other ATM procedure
2030000	<b>Cabin safety related event</b> <i>A cabin safety related event.</i>  <i>Note : events related to difficult / unruly passengers are under 'security'.</i>	Cabin safety
2030100	<b>Blocked cabin exit</b> <i>An event involving a blocked cabin exit.</i>	Blocked cabin exit
2030200	<b>Unserviceable seatbelt</b> <i>An event involving an unserviceable seatbelt.</i>	Unserviceable seatbelt
2030300	<b>Slide failure or not armed</b> <i>An event involving an escape chute or slide which failed or was not armed.</i>	Slide failure or not armed
2030400	<b>Cabin crew unable to perform duties - medical (non-injury)</b> <i>Cabin crew unable to perform duties - medical (non-injury) reasons</i>	Cabin crew - medical
2030500	<b>Cabin crew - injuries sustained</b> <i>Cabin crew sustained injuries that impacted on the ability to carry out the related duties.</i>	Cabin crew - injury sustained
2030600	<b>Cabin crew - unable to perform duties due to other reason</b> <i>Cabin crew - unable to perform duties due to reasons other than injuries sustained or medical reasons.</i>	Cabin crew - other
2030700	<b>Cabin-cockpit communications related event</b> <i>Cabin-cockpit communications related event, i.e. communication difficulties between cabin crew and the cockpit which are not related to the communication system</i>	Cabin-cockpit communications
2030800	<b>Medical emergency - passenger</b> <i>Medical emergency - passenger</i>	Medical emergency - passenger
2030900	<b>Passenger carry-on baggage related event</b> <i>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.</i>	Passenger carry-on baggage
2031000	<b>Animals in the cabin related event</b> <i>Animals in the cabin related event: to cover events related to pets but also due to the presence other (unwanted) animals in the cabin.</i>	Animals in the cabin
2031100	<b>Door opening or interference with doors by passengers</b> <i>Door opening or interference with doors by passengers</i>	Door interference - passengers

ECCAIRS 4	Events	Data Definition Standard
2039800	<b>Other non-crew cabin safety related event</b> <i>Other non-crew cabin safety related event</i>	ew cabin safety related event
2040000	<b>Flight crew related event</b> <i>An event involving a flight crew member (as a person, not related to a specific action).</i>	Flight crew
2040100	<b>Flight crew incapacitation/illness/medical issue</b> <i>An event involving a flight crew member's incapacitation or illness or other medical issue.</i>	acitation/illness/medical issue
2050000	<b>Collision of an aircraft with an obstacle, terrain or another aircraft</b> <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>	Aircraft collision obstacle
2050100	<b>Aircraft collision - moving aircraft</b> <i>An event involving a collision of an aircraft with another moving, i.e. not parked, aircraft.</i>	raft collision - moving aircraft
2050101	<b>Aircraft collision with another aircraft, both airborne</b> <i>An event involving a collision of an aircraft with another aircraft, both airborne.</i>	raft collision-both aircraft aloft
2050102	<b>Aircraft collision with another aircraft, one airborne</b> <i>An event involving a collision of an aircraft with another aircraft, one airborne.</i>	raft collision-one aircraft aloft the other moving on the ground
2050103	<b>Collision between two aircraft both moving on the ground</b> <i>An event involving a collision between two aircraft both moving on the ground.</i>	ision - both aircraft on ground
2050104	<b>Aircraft collision with balloon</b> <i>An event involving a collision of an aircraft with a balloon.</i>	Aircraft collision with balloon
2050105	<b>Collision between aircraft one of which was a mircrolight</b> <i>An event involving a collision between aircraft one of which was a mircrolight.</i>	Aircraft collision - mircrolight
2050106	<b>Collision between an aircraft and a dirigible</b> <i>An event involving a collision between an aircraft and a dirigible.</i>	Aircraft collision - dirigible
2050200	<b>An aircraft collision with the terrain</b> <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>	Collision aircraft-terrain
2050201	<b>Aircraft collision with level terrain/water</b> <i>An event involving an aircraft collision level terrain or water.</i>	Aircraft collision - level terrain
2050202	<b>Aircraft collision with high terrain, a hill or a mountain</b> <i>An event involving an aircraft collision with high terrain, a hill or a mountain.</i>	Aircraft collision - high terrain
2050300	<b>Aircraft collision with airborne object other than another aircraft</b> <i>An event involving an aircraft collision with an airborne object other than another aircraft, balloon or dirigible.</i>	Aircraft collision - object aloft
2050301	<b>Aircraft collision with bird/bird strike</b> <i>An event involving an aircraft collision with bird.</i>	Aircraft bird strike
2050302	<b>Aircraft collision with model aircraft</b> <i>An event involving an aircraft collision with model aircraft.</i>	rcraft collision - model aircraft
2050303	<b>Aircraft collision an airborne object other than those listed above</b> <i>An event involving an aircraft collision with an airborne object other than another aircraft, balloon, dirigible, bird, model aircraft or parachutist.</i>	Aircraft collision - other object

ECCAIRS 4	Events	Data Definition Standard
2050304	<b>Aircraft collision with parachutist in the air</b> <i>An event involving an aircraft collision with parachutist in the air</i>	Aircraft collision - parachutist
2050400	<b>Aircraft collision with object/obstacle on ground</b> <i>An event involving an aircraft collision with an object/obstacle on the ground.</i>	Collision aircraft-object-ground
2050401	<b>Aircraft collision with aerodrome structure including navigation and approach aids</b> <i>An event involving an aircraft collision with an aerodrome structure including navigation and approach aids.</i>	Collision aircraft-structure
2050402	<b>Aircraft collision with an animal</b> <i>An event involving an aircraft collision with an animal - excluding birds.</i>	Collision aircraft-animal
2050403	<b>Aircraft collision with approach/runway/taxiway lights</b> <i>An event involving an aircraft collision with approach, runway or taxiway lights.</i>	Collision aircraft-lights
2050404	<b>Aircraft collision with building</b> <i>An event involving an aircraft collision with a building.</i>	Collision aircraft-building
2050405	<b>Aircraft collision with deadhead/semi-submerged log</b> <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>	Collision aircraft-submerged log
2050406	<b>Aircraft collision with an embankment or shore</b> <i>An event involving an aircraft collision with an embankment or shore.</i>	Collision aircraft-the shore
2050407	<b>Aircraft collision with other object on ground</b> <i>An event involving an aircraft collision with an object on the ground other than one of those listed above or below.</i>	Collision aircraft-other object
2050408	<b>Aircraft collision with parked aircraft</b> <i>An event involving an aircraft collision with parked aircraft.</i>	Collision aircraft-parked aircraft
2050410	<b>Aircraft collision with a person</b> <i>An event involving an aircraft collision with a person.</i>	Collision aircraft-person
2050411	<b>Aircraft collision with power line conductor, cable or wire</b> <i>An event involving an aircraft collision with power line conductor, cable or wire.</i>	aircraft-cable/wire/power line
2050412	<b>Aircraft collision with a snow bank</b> <i>An event involving an aircraft collision with a snow bank.</i>	Collision aircraft-snow bank
2050413	<b>Aircraft collision with tall structure, e.g. chimney, mast, post or pole</b> <i>An event involving an aircraft collision with tall structure, e.g. chimney, mast, post or pole</i>	Collision aircraft-tall structure
2050414	<b>Aircraft collision with tree/tall vegetation</b> <i>An event involving an aircraft collision with tree(s)/tall vegetation.</i>	Collision aircraft-tree / tall vegetation
2050415	<b>Aircraft collision with a vehicle</b> <i>An event involving an aircraft collision with a vehicle.</i>	Collision aircraft-vehicle
2050416	<b>Aircraft collision with a wave</b> <i>An event involving an aircraft collision with a wave.</i>	Collision aircraft-wave
2060000	<b>Damage to aircraft</b> <i>An event involving damage to the aircraft in general.</i>	Damage to aircraft
2060100	<b>Aircraft damage caused by explosive decompression</b> <i>An event involving explosive decompression damage to the aircraft.</i>	Explosive decompression
2060200	<b>Aircraft damage caused by foreign object</b> <i>An event involving foreign object damage to the aircraft.</i>	Foreign object damage
2060300	<b>Helicopter damage caused by ground resonance</b> <i>An event involving ground resonance damage to the helicopter.</i>	Ground resonance damage

ECCAIRS 4	Events	Data Definition Standard
<b>2060400</b>	<b>Aircraft damage caused by lightning strike</b>	Lightning strike damage
<i>An event involving lightning strike damage to the aircraft.</i>		
<i>Moved to weather encounters</i>		
<b>2060500</b>	<b>Damage caused by aircraft over-stress</b>	Aircraft over-stress damage
<i>An event involving over-stress damage to the aircraft.</i>		
<b>2060600</b>	<b>Damage caused by propeller/rotor/jet blast</b>	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>		
<b>2060700</b>	<b>Damage caused when aircraft sank through surface</b>	Sank through surface
<i>An event involving damage caused to the aircraft when the aircraft sank through the supporting surface.</i>		
<b>2060800</b>	<b>Damage caused by object</b>	Damaged by object
<i>An event involving damage caused to the aircraft when the aircraft was struck by an object.</i>		
<b>2060900</b>	<b>Damage caused by ground equipment, air stairs or a vehicle</b>	Collided 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>		
<b>2061000</b>	<b>Damage caused by turbulence</b>	Turbulence damage
<i>An event involving damage caused to the aircraft when the aircraft encountered turbulence.</i>		
<i>Moved to weather encounters</i>		
<b>2061100</b>	<b>Damage caused by unlawful act</b>	Unlawful act damage
<i>An event involving damage to the aircraft caused by an unlawful act.</i>		
<i>Moved to Security</i>		
<b>2061200</b>	<b>Damage caused by wind</b>	Wind damage
<i>An event involving damage to the aircraft by wind.</i>		
<i>Moved to weather encounters</i>		
<b>2061300</b>	<b>Damage caused when aircraft sank in water</b>	Aircraft sink
<i>An event involving damage to the aircraft caused when the aircraft sank, e.g. after a successful forced landing on water.</i>		
<b>2061400</b>	<b>Damage caused by hail</b>	Hail damage
<i>An event involving damage to the aircraft caused when the aircraft was hit by hail.</i>		
<b>2061500</b>	<b>Damage caused by its main rotor strike</b>	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>		
<b>2061600</b>	<b>Electrical static discharge</b>	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>		

ECCAIRS 4	Events	Data Definition Standard
<b>2070000</b>	<b>The aircraft departed from the intended movement area</b>	Aircraft off movement area
	<i>The aircraft departed from the intended movement area.</i>	
<b>2070100</b>	<b>Runway excursion to the side</b>	Runway side excursion
	<i>The aircraft ran off the side of the runway.</i>	
<b>2070200</b>	<b>Taxiway excursion</b>	Taxiway excursion
	<i>The aircraft ran off the taxiway.</i>	
<b>2070300</b>	<b>Apron excursion</b>	Apron excursion
	<i>The aircraft ran off the apron.</i>	
<b>2070400</b>	<b>The aircraft ran off the end of the runway</b>	Aircraft overrun
	<i>The aircraft ran off the end of the runway.</i>	
<b>2080000</b>	<b>Aeroplane - deviation from intended flight path/altitude (fixed wing)</b>	ie - deviations from flight path
	<i>An event involving a deviation from intended flight path/altitude by a fixed wing aircraft.</i>	
<b>2080100</b>	<b>Aeroplane - deviation from intended flight path - altitude</b>	Aeroplane - deviation from altitude
	<i>An event involving a deviation from intended flight altitude by a fixed wing aircraft. (Loss of altitude control)</i>	
<b>2080200</b>	<b>Aeroplane - deviation from intended flight path - heading</b>	Aeroplane - deviation from heading
	<i>An event involving a deviation from intended heading by a fixed wing aircraft. (loss of directional control)</i>	
<b>2080300</b>	<b>Aeroplane - mush/stall</b>	Aeroplane - mush/stall
	<i>An event involving a mush/stall by a fixed wing aircraft.</i>	
<b>2080400</b>	<b>Aeroplane - spin</b>	Aeroplane - spin
	<i>An event involving a spin by a fixed wing aircraft.</i>	
<b>2080500</b>	<b>Aeroplane - spiral dive</b>	Aeroplane - spiral dive
	<i>An event involving a spiral dive by a fixed wing aircraft.</i>	
<b>2080600</b>	<b>Aeroplane - deviation from intended pitch attitude</b>	- 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>	
<b>2080700</b>	<b>Aeroplane - deviation from intended roll attitude</b>	- 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>	
<b>2080800</b>	<b>Aeroplane - porpoising: loss of pitch attitude control</b>	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>	
<b>2080900</b>	<b>Deviation from intended flight path/altitude - other</b>	Other 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>	
<b>2090000</b>	<b>Deviation from intended flight path/altitude by a helicopter</b>	Helicopter flight path deviation
	<i>Deviation from intended flight path/altitude by a helicopter</i>	
<b>2090100</b>	<b>Helicopter deviation from intended altitude</b>	Helicopter - 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	<b>Helicopter deviation from intended heading</b> <i>An event involving a heading deviation from intended flight path by a helicopter. (loss of directional control)</i>	opter- deviation from heading
2090300	<b>Helicopter deviation from intended pitch attitude</b> <i>An event involving an pitch deviation from intended attitude by a helicopter.(loss of pitch control)</i>	- deviation from pitch attitude
2090400	<b>Helicopter deviation from intended roll attitude</b> <i>An event involving a roll deviation from intended flight attitude by a helicopter.</i>	er - deviation from roll attitude
2090500	<b>Helicopter dynamic roll-over</b> <i>Ground roll-over of a helicopter, which 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>	Helicopter - dynamic roll-over
2090600	<b>Helicopter inadequate rotor rpm</b> <i>An event involving helicopter inadequate rotor rpm.</i>	copter - inadequate rotor rpm
2090700	<b>Helicopter settling with power/vortex ring</b> <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>	elicopter - settling with power
2090800	<b>Helicopter uncontrolled rotation or uncommanded yaw</b> <i>An event involving uncontrolled rotation or uncommanded yaw by a helicopter. This includes loss of tail rotor effectiveness (LTE)</i>	Helicopter - uncontrolled yaw
2090900	<b>Helicopter deviation from intended flight path/attitude - other</b> <i>An event involving a helicopter deviation from intended flight path/attitude other than those listed above.</i>	ther deviation from flight path
2100000	<b>Diversion of an aircraft from the intended destination</b> <i>An event involving any diversion of an aircraft from the intended destination.</i>	Aircraft diversion
	<i>Moved to consequential events</i>	
2100100	<b>Diversion due to weather conditions</b> <i>An event involving a diversion by an aircraft due to weather conditions.</i>	Weather conditions
	<i>Moved to consequential events</i>	
2100200	<b>Diversion due to operational decision</b> <i>An event involving a diversion by an aircraft due to an operational decision.</i>	Operational decision
	<i>Moved to consequential events</i>	
2100300	<b>Diversion due to technical reasons</b> <i>An event involving a diversion by an aircraft due to technical reasons.</i>	Technical reasons
	<i>Moved to consequential events</i>	
2100400	<b>diversion - due to other reasons</b> <i>An event involving a diversion by an aircraft due to reasons other than those listed above.</i>	Other reasons
	<i>Moved to consequential events</i>	
2110000	<b>Aircraft fire/explosion</b> <i>An event involving a fire or explosion.</i>	Aircraft fire/explosion
	<i>Moved to non-component specific events under aircraft/systems/components.</i>	

<b>ECCAIRS 4</b>	<b>Events</b>	<b>Data Definition Standard</b>
<b>2110100</b>	<b>Aircraft fire</b>	Aircraft fire
	<i>An event involving an aircraft fire. Moved to non-component specific events under aircraft/systems/components.</i>	
<b>2110200</b>	<b>Explosion in the aircraft</b>	Explosion in the aircraft
	<i>An event involving an explosion in the aircraft. Moved to non-component specific events under aircraft/systems/components.</i>	
<b>2110300</b>	<b>Smoke or fumes in the aircraft</b>	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>	
<b>2120000</b>	<b>Flight preparation related event</b>	Flight preparation
	<i>An event related to flight preparation.</i>	
<b>2120100</b>	<b>Incorrect loading</b>	Incorrect loading
	<i>An event involving incorrect loading of the aircraft.</i>	
<b>2120200</b>	<b>Incorrect fuel balance</b>	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>	
<b>2120300</b>	<b>Take-off in violation of the minimum equipment requireme</b>	Minimum equipment violation
	<i>An event involving a take-off in violation of the minimum equipment requirements.</i>	
<b>2120400</b>	<b>Take-off overweight/ incorrect center of gravity</b>	correct centre of gravity (cog)
	<i>An event involving an overweight take-off.</i>	
<b>2120500</b>	<b>Take-off with previous damage</b>	Take-off-previous damage
	<i>An event involving a take-off with previous damage.</i>	
<b>2130000</b>	<b>Ground handling related event</b>	Ground handling
	<i>An event involving ground handling.</i>	
<b>2140000</b>	<b>Ingestion of objects by aircraft engines</b>	Object ingestion-engine
	<i>An event involving the ingestion of objects by a aircraft engines.</i>	
<b>2140100</b>	<b>Turbine engine ingestion - bird</b>	Turbine - bird
	<i>An event involving the ingestion of a bird by a turbine engine.</i>	
<b>2140200</b>	<b>Aircraft engine ingestion - water</b>	Water
	<i>An event involving water ingestion by an aircraft engine.</i>	
<b>2140300</b>	<b>Ingestion - ice</b>	Ice
	<i>An event involving ice ingestion by an aircraft engine.</i>	
<b>2140400</b>	<b>Aircraft engine ingestion - other items</b>	Other items
	<i>An event involving ingestion by an aircraft engine of items other than birds, ice or liquid water.</i>	
<b>2150000</b>	<b>Injuries to persons</b>	Injuries to persons
	<i>An event involving injuries to persons.</i>	
<b>2150100</b>	<b>Injuries from turbulence</b>	Injuries from turbulence
	<i>An event involving injuries to an aircraft's occupants due to turbulence.</i>	

ECCAIRS 4	Events	Data Definition Standard
<b>2150200</b>	<b>Injuries from abrupt manoeuvre</b>	Injuries-abrupt manoeuvre
	<i>An event involving injuries to an aircraft's occupants due to an abrupt manoeuvre.</i>	
<b>2150300</b>	<b>Injuries received from contact with a propeller blast, helico-propeller/jet blast/downwash</b>	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.
<b>2150400</b>	<b>Injuries received from coming into contact with an aircraft</b>	Injuries-aircraft component
	<i>Injuries received from coming into contact with an aircraft or aircraft component</i>	
<b>2150500</b>	<b>Injuries received from sources other than those listed above</b>	Injuries from other sources
	<i>An event involving injuries received from sources other than those listed above.</i>	
<b>2150600</b>	<b>Injuries sustained by persons while being part of a sling load</b>	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>	
<b>2160000</b>	<b>Material falling off the aircraft</b>	Material off aircraft
	<i>An event involving material falling off the aircraft.</i>	
<b>2160100</b>	<b>Ice falling from aircraft</b>	Ice
	<i>An event involving a ice falling from aircraft.</i>	
<b>2160101</b>	<b>External ice, resulting from ambient weather, falling off the aircraft</b>	Ice [weather]
	<i>An event involving external ice accumulations, resulting from ambient weather, falling off the aircraft.</i>	
<b>2160102</b>	<b>External icing, resulting from galley drainage, falling off the aircraft</b>	Ice [galley drains]
	<i>An event involving external ice accumulations, resulting from galley drainage, falling off the aircraft.</i>	
<b>2160103</b>	<b>Ice (toilet water) falling off aircraft</b>	Ice (toilet water)
	<i>An event involving external ice accumulations, resulting from toilet drainage, falling off the aircraft.</i>	
<b>2160104</b>	<b>Ice (potable water) falling off aircraft</b>	Ice (potable water)
	<i>An event involving external ice accumulations, resulting from drinking water drainage, falling off the aircraft.</i>	
<b>2160105</b>	<b>Ice (undetermined) falling off aircraft</b>	Ice (undetermined)
	<i>An event involving external ice accumulations, resulting from a undetermined source, falling off the aircraft.</i>	
<b>2160200</b>	<b>Objects falling off aircraft other than ice</b>	Objects [not ice]
	<i>An event involving any object, other than ice, falling off the aircraft.</i>	
<b>2160201</b>	<b>A panel falling off the aircraft</b>	Panels
	<i>An event involving a panel falling off the aircraft.</i>	
<b>2160202</b>	<b>An identified component falling off the aircraft</b>	Identified component
	<i>An event involving an identified aircraft component, other than a panel, falling off the aircraft.</i>	
<b>2160203</b>	<b>Unidentified component falling off the aircraft</b>	Unidentified component
	<i>An event involving an unidentified component falling off the aircraft.</i>	
<b>2160300</b>	<b>Sighting of an object falling off aircraft</b>	Sighting-object from aircraft
	<i>An event involving a sighting of an object falling off aircraft.</i>	
<b>2170000</b>	<b>Aircraft navigation related event</b>	Aircraft navigation
	<i>An event involving navigation of the aircraft.</i>	
<b>2170100</b>	<b>Wrong aerodrome selected</b>	Wrong aerodrome selected
	<i>An event involving the selection of the wrong aerodrome.</i>	

ECCAIRS 4	Events	Data Definition Standard
<b>2170200</b>	<b>Wrong runway selected</b>	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>	
<b>2170300</b>	<b>Wrong taxiway selected</b>	Wrong taxiway selected
	<i>An event involving the selection of the wrong taxiway.</i>	
<b>2170400</b>	<b>Navigation track error</b>	Navigation track error
	<i>An event involving the selection of an incorrect track.</i>	
<b>2170500</b>	<b>Navigation error - other</b>	Navigation error - other
	<i>An event involving a navigation error other than those listed above.</i>	
<b>2180000</b>	<b>Near collisions with objects/ground or loss of separation between</b>	<b>ft - object/ground separation</b>
	<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>	
<b>2180100</b>	<b>Loss of separation between aircraft.</b>	<b>collisions - loss of separation</b>
	<i>An event involving a loss of separation between aircraft</i>	
<b>2180101</b>	<b>Loss of separation with aircraft -both airborne</b>	<b>eration -aircraft- both airborne</b>
	<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>	
<b>2180102</b>	<b>Loss of separation with aircraft - one airborne</b>	<b>eration - one aircraft airborne</b>
	<i>An event involving a loss of separation with another aircraft -one airborne</i>	
<b>2180103</b>	<b>Loss of separation with aircraft - both on ground</b>	<b>with aircraft - both on ground</b>
	<i>An event involving a loss of separation with aircraft operating on the ground.</i>	
<b>2180104</b>	<b>Loss of separation - potential for collision</b>	<b>separation - potential collision</b>
	<i>An event involving a loss of separation with the potential for a collision.</i>	
<b>2180105</b>	<b>Loss of separation with no risk of collision</b>	<b>separation: no risk of collision</b>
	<i>No risk of collision. The risk classification of an aircraft proximity in which no risk of collision has existed. Doc 4444.</i>	
<b>2180106</b>	<b>Loss of separation - risk of collision not determined</b>	<b>separation: risk undetermined</b>
	<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>	
<b>2180107</b>	<b>Separation minima infringement</b>	<b>paration minima infringement</b>
	<i>Separation minima infringement</i>	
<b>2180200</b>	<b>Near collision with terrain generally</b>	<b>Near collision with terrain</b>
	<i>An event involving a near collision by an aircraft with terrain.</i>	
<b>2180201</b>	<b>Near collision with level terrain</b>	<b>lear collision with level terrain</b>
	<i>An event involving a near collision by an aircraft with level terrain.</i>	
<b>2180202</b>	<b>Near collision with high terrain/hill/mountain</b>	<b>llision - high terrain/mountain</b>
	<i>An event involving a near collision by an aircraft, with high terrain, a hill or a mountain.</i>	

ECCAIRS 4	Events	Data Definition Standard
2180300	<b>Near collision with airborne object</b>	collision with airborne object
	<i>An event involving a near collision by an aircraft with an airborne object.</i>	
2180301	<b>Near collision with a bird</b>	Near collision - bird
	<i>An event involving a near collision by an aircraft with a bird.</i>	
2180302	<b>Near collision with an other airborne object</b>	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	<b>Near collision with an unknown airborne object</b>	on - unknown airborne object
	<i>An event involving a near collision by an aircraft with an airborne object which was not identified.</i>	
2180304	<b>Near collision with parachutist</b>	Near collision with parachutist
2180400	<b>Near collision with an object on the ground</b>	collision -object on the ground
	<i>An event involving a near collision by an aircraft with an object on the ground.</i>	
2180401	<b>Near collision with a parked aircraft</b>	Near collision- parked aircraft
	<i>An event involving a near collision by an aircraft with a parked aircraft.</i>	
2180402	<b>Near collision with tall structure/object</b>	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	<b>Near collision with person</b>	Near collision-with person
	<i>An event involving a near collision by an aircraft with a person on the ground.</i>	
2180404	<b>Near collision with parachutist on the ground</b>	Near collision - parachutist
	<i>An event involving a near collision by an aircraft with a parachutist on the ground.</i>	
2180405	<b>Near collision with vehicle</b>	Near collision - vehicle
	<i>An event a near collision by an aircraft with a vehicle.</i>	
2180406	<b>Near collision with object on the ground</b>	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	<b>Nosed down/overted</b>	Nosed down/overted
	<i>An event involving an aircraft which nosed down or overturned.</i>	
	<i>Note: Moved to 'consequential events' with 427 HF 1</i>	
2200000	<b>Incursions generally</b>	Incursions generally
	<i>An event involving any incursion into an area not cleared for entry by the person, aircraft, equipment or vehicle.</i>	
2200100	<b>Runway incursions</b>	Runway incursions
	<i>An event involving a runway incursion.</i>	
2200101	<b>Runway incursion by an aircraft</b>	By an aircraft
	<i>An event involving a runway incursion by an aircraft.</i>	
2200102	<b>Runway incursion by a vehicle/equipment</b>	By a vehicle/equipment
	<i>An event involving a runway incursion by a vehicle or equipment.</i>	
2200103	<b>Runway incursion by a person</b>	By a person
	<i>An event involving a runway incursion by a person.</i>	
2200104	<b>Runway incursion by an animal</b>	By an animal
	<i>An event involving a runway incursion by an animal.</i>	
2200200	<b>Taxiway incursion</b>	Taxiway incursion
	<i>An event involving a taxiway incursion.</i>	
2200201	<b>Taxiway incursion by an aircraft</b>	By an aircraft
	<i>An event involving a taxiway incursion by an aircraft.</i>	
2200202	<b>Taxiway incursion by a vehicle/equipment</b>	By a vehicle/equipment
	<i>An event involving a taxiway incursion by a vehicle or equipment.</i>	
2200203	<b>Taxiway incursion by a person</b>	By a person
	<i>An event involving a taxiway incursion by a person.</i>	

ECCAIRS 4	Events	Data Definition Standard
2200204	<b>Taxiway incursion by an animal</b> <i>An event involving a taxiway incursion by an animal.</i>	By an animal
2200300	<b>Apron/ramp incursion</b> <i>An event involving an apron/ramp incursion.</i>	Apron/ramp incursion
2200301	<b>Apron incursion by an aircraft</b> <i>An event involving an apron incursion by an aircraft.</i>	By an aircraft
2200302	<b>Apron incursion by a vehicle/equipment</b> <i>An event involving an apron incursion by a vehicle or equipment.</i>	By a vehicle/equipment
2200303	<b>Apron incursion by a person</b> <i>An event involving an apron incursion by a person.</i>	By a person
2200304	<b>Apron incursion by an animal</b> <i>An event involving an apron incursion by an animal.</i>	By an animal
2210000	<b>Person (not flight crew)</b> <i>An event involving a person (not flight crew).</i>	Person (not flight crew)
2210100	<b>Difficult passenger</b> <i>An event involving a difficult passenger.</i>	Difficult Passenger
2210200	<b>Medical emergency (not cabin crew)</b> <i>An event involving a medical emergency (not cabin crew).</i>	Medical emergency (Passenger)
2210300	<b>Other, non-flight crew person</b> <i>An event, other than those listed above, involving a non-flight crew person.</i>	Other non-flight crew person
2220000	<b>Weather encounters related event</b> <i>An event involving the weather.</i>	Weather encounters
2220100	<b>Aircraft encountered icing conditions</b> <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	<b>Aircraft encountered windshear</b> <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	<b>Aircraft encountered volcanic ash</b> <i>An event involving an aircraft encounter with volcanic ash.</i>	Volcanic ash
2220400	<b>Aircraft encountered vortex/wake turbulence</b> <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
<b>2220500</b>	<b>Aircraft encounter with instrument meteorological conditio</b>	IMC
	<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>	
<b>2220600</b>	<b>Aircraft encounter with turbulence</b>	Turbulence
	<i>Encounter with any or all of a) clear air turbulence (CAT) b) turbulence in cloud c) vortext / wake turbulence</i>	
	<i>also to be used in events in which the aircraft was damaged by turbulence. CAT: 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. 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. 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. 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>	
<b>2220700</b>	<b>Aircraft encountered other unexpected weather conditions</b>	Unexpected weather
	<i>An event involving an aircraft encounter with unexpected weather conditions other than those listed above.</i>	
<b>2220800</b>	<b>Aircraft encountered crosswind</b>	Crosswind
	<i>An event involving an aircraft encounter with a crosswind. Crosswind: a wind not parallel to the runway or the path of an aircraft.</i>	
<b>2220900</b>	<b>Aircraft encountered tailwind</b>	Tailwind
	<i>An event involving an aircraft encounter with a tailwind.</i>	
<b>2221000</b>	<b>Loss of visual reference</b>	Loss of visual reference
	<i>Loss of visual reference</i>	
<b>2221100</b>	<b>Headwind encounter</b>	Headwind encounter
	<i>Aircraft encountered headwind. Often used to indicate that the headwind was higher than expected or planned for.</i>	
<b>2221200</b>	<b>aircraft encountered high winds</b>	High wind
	<i>aircraft encountered high winds: to be used when the aircraft was damaged by high winds.</i>	
<b>2221300</b>	<b>Hail encounter</b>	Hail encounter
	<i>Hail encounter: to be used when the aircraft was damaged by hail.</i>	
<b>2221400</b>	<b>the aircraft encountered adverse cloud conditions</b>	Adverse cloud condition
	<i>the aircraft encountered adverse cloud conditions, e.g. cloud top too high etc.</i>	

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

ECCAIRS 4	Events	Data Definition Standard
2240204	<b>The tow rope used in an aerial tow disconnected</b> <i>The tow rope used in an aerial tow disconnected</i>	Rope disconnect
2240205	<b>Aero tow - other</b> <i>Any other event related to aero tow operations</i>	Aero tow - other
2240300	<b>Missing lift</b> <i>Missing lift</i>	Missing lift
	2240301 <b>Missing lift - thermal</b> <i>Missing lift - thermal</i>	Missing lift - thermal
	2240302 <b>Missing lift - wave</b> <i>Missing lift - wave</i>	Missing lift - wave
	2240303 <b>Missing lift - slope</b> <i>Missing lift - slope</i>	Missing lift - slope
2250000	<b>Balloon specific events</b> <i>Balloon specific events</i>	Balloon specific events
2250100	<b>Envelope burned</b> <i>Envelope burned</i>	Envelope burned
	2250101 <b>Skirt burned</b> <i>Skirt burned</i>	Skirt burned
	2250102 <b>Panels burned</b> <i>Panels burned</i>	Panels burned
2250200	<b>Envelope ripped</b> <i>Envelope ripped</i>	Envelope ripped
2250300	<b>Basket tipped over</b> <i>Basket tipped over</i>	Basket tipped over
2250400	<b>Basket caught in obstacles</b> <i>Basket caught in obstacles</i>	Basket caught in obstacles
2250500	<b>Basket sliding</b> <i>Basket sliding</i>	Basket sliding
2260000	<b>Warning system triggered - genuine warning</b> <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>	Warning system triggered
2260100	<b>Genuine airborne collision avoidance system/traffic alert a</b> <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>	ACAS/TCAS triggered
2260200	<b>Genuine configuration warning triggered</b> <i>An event involving a genuine configuration warning.</i>	Configuration warning
2260300	<b>Genuine ground proximity warning system warning</b> <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>	Ground proximity warning

ECCAIRS 4	Events	Data Definition Standard
2260400	<b>Genuine health monitoring system warning triggered</b> <i>Health monitoring system: a diagnostic/prognostic system that could monitor aircraft and rotorcraft structural components in flight.</i>	th monitoring system warning
2260500	<b>Stall warning triggered</b> <i>Stall warning triggered</i>	Stall warning triggered
2260600	<b>Other warning system triggered</b> <i>An event involving a genuine warning from an airborne system, other than those for which a specific event type is provided.</i>	ther warning system triggered
2260700	<b>Fuel imbalance warning</b> <i>Fuel imbalance warning</i>	Fuel imbalance warning
2270000	<b>Interference with aircraft from the ground</b> <i>Interference with aircraft from the ground, a ground activity that interfered with the operation of the aircraft.</i>	with aircraft from the ground
2270100	<b>Interference by LASER/Beamer</b> <i>Interference by LASER/Beamer. Beamer: high powered light e.g used to create effects</i>	ference by LASER/Beamer
2270200	<b>Interference by fire works</b>	Interference by fire works
2270300	<b>Interference by search lights</b>	Interference by search lights
2270400	<b>Interference by flying kites</b>	Interference by flying kites
2270500	<b>Interference by model aircraft activity</b> <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>	ence by model aircraft activity
2270600	<b>Interference by balloons</b> <i>e.g. free flying balloons from a country fair or massive release of balloons for other reasons.</i>	Interference by balloons
2270700	<b>Interference by other ground based activity</b>	by other ground based activity
2280000	<b>An event related to the carriage of cargo in the aircraft.</b>	Cargo related
2280100	<b>Cargo leak</b> <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>	Cargo leak
2280200	<b>Cargo shifted</b> <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>	Cargo shifted
2280300	<b>Cargo radiation leak</b> <i>An event involving a leak of radioactive material, or radiation, from the aircraft's cargo during aircraft operations.</i>	Cargo radiation leak
2290000	<b>An event related to external load operations</b> <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>	External load operations

ECCAIRS 4	Events	Data Definition Standard
2290100	<b>Dropped/Released/Jettisoned - unintentional</b> <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>	dropped/Jettisoned - unintentional
2290200	<b>Load fell out of sling.</b> <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>	Load fell
2290300	<b>Load into main rotor</b> <i>The external load came into contact with the main rotor.</i>	Load into main rotor
2290400	<b>Load into tail rotor</b> <i>The external load came into contact with the tail rotor.</i>	Load into tail rotor
2290500	<b>The rope/line cam into contact with the main rotor</b> <i>The rope/line cam into contact with the main rotor</i>	Rope/Line into main rotor
2290600	<b>The rope/line came into contact with the tail rotor</b> <i>The rope/line came into contact with the tail rotor</i>	Rope/Line into tail rotor
2290700	<b>Load collided with or caught in terrain/object</b> <i>The external load collided with or was caught in/by terrain/object</i>	Collided with or caught in terrain/object
2290800	<b>Rope/Line collided with or caught in terrain/object</b> <i>The Rope/Line collided with or was caught in/by terrain/object.</i>	Collided with or caught in terrain/object
2290900	<b>Load oscillated/rotated</b> <i>The external load oscillated/rotated</i>	Load oscillated/rotated
2291000	<b>The external load contacted/hit the fuselage</b> <i>The external load contacted/hit the fuselage</i>	Load contact with fuselage
2291100	<b>Rope/line contact with fuselage</b> <i>The rope/line contacted / became entangled with the fuselage</i>	Rope/line contact with fuselage

ECCAIRS 4	Events	Data Definition Standard
<b>3000000 Consequential events</b>		Consequential events
<i>An event evolving from another event.</i>		
<b>3010000 precautionary landing</b>		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>		
<b>3020000 declared emergency</b>		Declared emergency
<i>A declared emergency as the consequence of previous events.</i>		
<b>3020100 Declared emergency - Distress - MAYDAY MAYDAY MAYDAY</b>	Declared emergency - Mayday	Declared emergency - Mayday
<i>Declared emergency - Distress - MAYDAY MAYDAY MAYDAY</i>		
<b>3020200 Declared emergency - Urgency - PAN PAN PAN</b>	Declared emergency - PAN call	Declared emergency - PAN call
<i>Declared emergency - Urgency - PAN PAN PAN</i>		
<b>3030000 rejected take-off</b>		Rejected take-off
<i>A rejected take-off as the consequence of previous events.</i>		
<b>3030100 High speed rejected take-off (at and above V1)</b>	High speed rejected take-off	High speed rejected take-off
<i>High speed rejected take-off - a take-off rejected at a speed at or above V1.</i>		
<b>3030200 Low speed rejected take-off (below V1)</b>		Low speed rejected take-off
<i>A take-off rejected at a speed below V1.</i>		
<b>3040000 Rejected landing</b>		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>		
<b>3050000 Missed approach</b>		Missed approach
<i>A missed approach as the consequence of previous events.</i>		
<b>3060000 Emergency descent</b>		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>		
<b>3070000 Ditching - forced landing on water</b>		Ditching
<i>A ditching, an unavoidable controlled emergency landing on water as the consequence of previous events.</i>		
<b>3080000 Forced landing</b>		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
<b>3090000</b>	<b>An approach below minima</b>	Approach below minima
	<i>An approach below minima was carried out as the consequence of previous events.</i>	
<b>3100000</b>	<b>Fuel dumping</b>	Fuel dumping
	<i>Fuel dumping</i>	
<b>3110000</b>	<b>Evacuation</b>	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>	
<b>3120000</b>	<b>The landing was executed without flaps/slats</b>	Flapless landing
	<i>The landing was executed without flaps/slats being used. This usually results in higher speeds.</i>	
<b>3130000</b>	<b>Fuel burn off</b>	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>	
<b>3140000</b>	<b>Aircraft return</b>	Aircraft return
	<i>The aircraft returned to its point of departure</i>	
<b>3150000</b>	<b>Overweight landing</b>	Overweight landing
	<i>Overweight landing - a landing in which the maximum permissible landing weight was exceeded.</i>	
<b>3160000</b>	<b>Aircraft abandoned / crew ejected or bailed out</b>	Aircraft abandoned / crew ejected
	<i>The aircraft was abandoned, the crew ejected or bailed out.</i>	
<b>3170000</b>	<b>Cargo dumped</b>	Cargo dumped
	<i>Cargo dumped: e.g. dumping the cargo of an agricultural aircraft as a consequence of a preceding event.</i>	
<b>3180000</b>	<b>Emergency cancelled</b>	Emergency cancelled
	<i>An emergency cancelled as the consequence of previous events.</i>	
<b>3190000</b>	<b>Flight cancellation</b>	Flight cancellation
	<i>A flight cancellation as the consequence of previous events.</i>	
<b>3200000</b>	<b>Flight delay</b>	Flight delay
	<i>The flight was delayed as the consequence of a preceding event.</i>	

ECCAIRS 4	Events	Data Definition Standard
<b>3210000</b>	<b>Fly-past inspection</b>	Fly-past inspection
	<i>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.</i>	
<b>3220000</b>	<b>Handling check</b>	Handling check
	<i>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.</i>	
<b>3230000</b>	<b>Precautionary descent</b>	Precautionary descent
	<i>A precautionary descent as the consequence of previous events.</i>	
<b>3240000</b>	<b>Sling load dropped</b>	Sling load dropped
	<i>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).</i>	
<b>3250000</b>	<b>Diversion of an aircraft from the intended destination</b>	Diversion
	<i>Diversion: the diversion from the intended destination to another one. Note: Diverting to the aerodrome of departure is to be coded 'aircraft returned'.</i>	
<b>3250100</b>	<b>Diversion due to weather conditions</b>	Diversion - weather
	<i>An event involving a diversion by an aircraft due to weather conditions.</i>	
<b>3250200</b>	<b>Diversion due to technical reasons</b>	Diversion - technical reasons
	<i>An event involving a diversion by an aircraft due to technical reasons.</i>	
<b>3250300</b>	<b>Diversion due to operational decision</b>	Diversion - operational decision
	<i>An event involving a diversion by an aircraft due to an operational decision.</i>	
<b>3250400</b>	<b>diversion - due to other reasons</b>	Diversion - other
	<i>An event involving a diversion by an aircraft due to reasons other than those listed above.</i>	
<b>3260000</b>	<b>Change aircraft</b>	Change aircraft
	<i>A change of aircraft as the consequence of previous events.</i>	
<b>3270000</b>	<b>Emergency autorotation (helicopter)</b>	Emergency autorotation (helicopter)
	<i>An emergency autorotation (helicopter) as the consequence of previous events.</i>	
<b>3280000</b>	<b>Engine shutdown/flameout</b>	Engine shutdown/flameout
	<i>An Engine shutdown/flameout as the consequence of previous events.</i>	
<b>3280100</b>	<b>Engine shutdown - precautionary (soft)</b>	Engine shutdown - precautionary (soft)
	<i>An Engine shutdown (soft) as the consequence of previous events.</i>	
<b>3280200</b>	<b>Engine shutdown (hard)</b>	Engine shutdown (hard)
	<i>An Engine shutdown (hard) as the consequence of previous events.</i>	

ECCAIRS 4	Events	Data Definition Standard
3290000	<b>aircraft nosed down/overturned</b>	Nosed down/overturned
	<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>	
3300000	<b>Uncommanded movement of the aircraft resulting from some pre-identified movement of the aircraft</b>	<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>
3310000	<b>Evasive manoeuvre</b>	Evasive manoeuvre
	<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>	
3320000	<b>Bounced landing</b>	Bounced landing
	<i>bounced landing: a landing involving repeated touchdowns.</i>	

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

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

ECCAIRS 4	Events	Data Definition Standard
4060200	<b>Unlawful interference with an Air Traffic Management facility</b> <i>An event involving unlawful interference with an Air Traffic Management facility.</i>	Unlawful interference
4060300	<b>Bomb threat to an Air Traffic Management facility</b> <i>An event involving a bomb threat to an Air Traffic Management facility.</i>	Bomb threat
4060400	<b>Smoke in an Air Traffic Management facility</b> <i>An event involving smoke in an Air Traffic Management facility.</i>	Smoke-ATM facility
4060500	<b>Sabotage of an Air Traffic Management facility</b> <i>An event involving sabotage of an Air Traffic Management facility.</i>	Sabotage-ATM facility
4060600	<b>Other emergency or security event</b> <i>An emergency or security event involving an Air Traffic Management facility other than one of those listed above.</i>	Other event
4070000	<b>Events affecting Air Traffic Management operations</b> <i>An event affecting Air Traffic Management operations.</i>	Events affecting ATM
4070100	<b>Closure of a flight information region</b> <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>	Closure of FIR
4070200	<b>Closure of an aerodrome</b> <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/I; An 6/II; An 11; An 14/I; PANS-RAC)</i>	Closure of aerodrome
4070300	<b>Closure of runway</b> <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/I, PANS-RAC)</i>	Closure of runway
4070400	<b>Air space capacity reduction</b> <i>An event involving the effect of an air space capacity reduction on Air Traffic Management operations.</i>	Reduced capacity

<b>ECCAIRS 4</b>	<b>Events</b>	<b>Data Definition Standard</b>
<b>5000000</b>	<b>Aerodrome and ground aids related event</b>	Aerodrome & ground aids
	<i>An event involving an aerodrome and ground aids generally.</i>	
<b>5010000</b>	<b>Ground aids related event</b>	Ground aids generally
	<i>An event involving ground aids generally.</i>	
<b>5010100</b>	<b>Aerodrome approach systems related event</b>	Aerodrome approach systems
	<i>An event involving an aerodrome approach system.</i>	
<b>5010101</b>	<b>Instrument landing system related event</b>	Instrument landing system (ILS)
	<i>An event involving an instrument landing system (ILS).</i>	
<b>5010102</b>	<b>Global positioning system related event</b>	Global positioning system (GPS)
	<i>An event involving a global positioning system. GPS: The satellite navigation system operated by the United States.</i>	
<b>5010103</b>	<b>Marker beacon related event</b>	Marker beacon
	<i>An event involving a marker beacon.</i>	
<b>5010104</b>	<b>Non-directional beacon related event</b>	Non-directional beacon (NDB)
	<i>An event involving a non-directional beacon.</i>	
<b>5010105</b>	<b>Distance measuring equipment related event</b>	Distance measuring equipment (DME)
	<i>An event involving a distance measuring equipment.</i>	
<b>5010106</b>	<b>VHF omni-directional radio range related event</b>	VHF omni-directional radio range (VOR)
	<i>An event involving a very high frequency omni-directional radio range.</i>	
<b>5010107</b>	<b>Precision approach path indicator related event</b>	Precision approach path indicator (PAPI)
	<i>An event involving a precision approach path indicator.</i>	
<b>5010108</b>	<b>Microwave landing systems related event</b>	Microwave landing systems (MLS)
	<i>An event involving a microwave landing system (MLS).</i>	
<b>5010109</b>	<b>Precision approach radar related event</b>	Precision approach radar (PAR)
	<i>An event involving a precision approach radar.</i>	
<b>5010110</b>	<b>Visual approach slope indicator related event</b>	Visual approach slope indicator (VASI)
	<i>An event involving a visual approach slope indicator.</i>	
<b>5020000</b>	<b>Aerodrome systems related event</b>	Aerodrome systems
	<i>An event involving an aerodrome system.</i>	
<b>5020100</b>	<b>Aerodrome lighting systems related event</b>	Lighting
	<i>An event involving an aerodrome lighting system.</i>	
<b>5020101</b>	<b>Aerodrome approach lighting related event</b>	Aerodrome approach lighting
	<i>An event involving an aerodrome's approach lighting.</i>	
<b>5020102</b>	<b>Aerodrome runway lighting related event</b>	Runway lighting
	<i>An event involving an aerodrome's runway lighting.</i>	
<b>5020103</b>	<b>Aerodrome taxiway lighting related event</b>	Taxiway lighting
	<i>An event involving an aerodrome's taxiway lighting.</i>	
<b>5020104</b>	<b>Aerodrome apron lighting related event</b>	Apron lighting
	<i>An event involving an aerodrome's apron lighting.</i>	
<b>5020200</b>	<b>Aerodrome back-up power system related event</b>	Back-up power
	<i>An event involving an aerodrome's back-up power system.</i>	
<b>5020300</b>	<b>Aerodrome signs related event</b>	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>	

ECCAIRS 4	Events	Data Definition Standard
<b>5020400</b>	<b>Aerodrome markings related event</b>	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>		
<b>5020401</b>	<b>Aerodrome runway marking related event</b>	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>		
<b>5020402</b>	<b>Aerodrome taxiway marking related event</b>	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>		
<b>5020403</b>	<b>Aerodrome apron marking related event</b>	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>		
<b>5020404</b>	<b>Aerodrome obstacle marking related event</b>	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>		
<b>5020500</b>	<b>Aerodrome overrun catch equipment related event</b>	Overrun catch equipment
<i>An event involving an aerodrome's overrun catch equipment.</i>		
<b>5020600</b>	<b>Event related to other aerodrome equipment</b>	Other equipment
<i>An event involving aerodrome equipment other than that mentioned above.</i>		
<b>5020700</b>	<b>Winch-launch equipment</b>	Winch-launch equipment
<i>An event related to winch-launch equipment</i>		
<b>5020701</b>	<b>Winch failed</b>	Winch failed
<i>Winch failed</i>		
<b>5020702</b>	<b>Winch-launch cable broke</b>	Winch-launch cable broke
<i>Winch-launch cable broke</i>		
<b>5020798</b>	<b>Other winch-launch equipment related event</b>	Winch equipment related event
<i>Other winch-launch equipment related event</i>		
<b>5020800</b>	<b>Main power system</b>	Main power system
<b>5030000</b>	<b>Aerodrome services/operations related event</b>	Aerodrome services / operations
<i>An event involving aerodrome services/operations generally.</i>		
<b>5030100</b>	<b>Aerodrome apron management service related event</b>	Apron management
<i>An event involving the aerodrome apron management service.</i>		
<b>5030200</b>	<b>Aerodrome snow/ice removal related event</b>	Snow/ice removal
<i>An event involving the aerodrome snow/ice removal programme.</i>		
<b>5030300</b>	<b>Aerodrome maintenance related event</b>	Maintenance
<i>An event involving the aerodrome maintenance.</i>		

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

ECCAIRS 4	Events	Data Definition Standard
5050402	<b>Catering</b>	Catering
	<i>Catering</i>	
5050403	<b>Fluid servicing</b>	Fluid servicing
	<i>Fluid servicing, e.g. potable water</i>	
5050404	<b>Servicing - other</b>	Servicing - other
	<i>Servicing - other: Servicing the aircraft other than fuelling, catering, etc.</i>	
5060000	<b>Event related to working with cargo at the aerodrome.</b>	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	<b>Cargo handling</b>	Cargo handling
	<i>Cargo handling</i>	
5060200	<b>Cargo acceptance</b>	Cargo acceptance
	<i>Cargo acceptance</i>	
5060300	<b>Cargo weighting</b>	Cargo weighting
	<i>Cargo weighting</i>	
5060400	<b>Cargo labelling</b>	Cargo labelling
	<i>Cargo labelling</i>	
5060500	<b>Cargo packaging</b>	Cargo packaging
	<i>Cargo packaging</i>	
5060600	<b>Cargo moving</b>	Cargo moving
	<i>Cargo moving</i>	
5060700	<b>Cargo loading/unloading</b>	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	<b>Cargo security check</b>	Cargo security check
	<i>Cargo security check</i>	
5060900	<b>Cargo stowage</b>	Cargo stowage
	<i>Cargo stowage at the airport, not in the aircraft.</i>	
5070000	<b>Aerodrome security</b>	Aerodrome security
	<i>Aerodrome security related events</i>	
5070100	<b>Unlawful entry</b>	Unlawful entry
	<i>Unlawful entry, including attempts to enter without authorization</i>	
5070200	<b>Sabotage</b>	Sabotage
	<i>Sabotage: Acts of sabotage on the aerodrome</i>	
5079800	<b>Other aerodrome security related event</b>	Aerodrome security related event
	<i>Other aerodrome security related event</i>	

ECCAIRS 4	Events	Data Definition Standard
6000000	Civil aviation authority/administration related event <i>An event involving the civil aviation authority (or administration).</i>	CAA

ECCAIRS 4	Events	Data Definition Standard
<b>7000000</b> Events related to the non-compliance with regulations		Regulatory issues / events
Events related to the non-compliance with regulations		
<b>7010000</b> Duty time related		Duty time related
<i>Duty time related: an event related to the duty time of personnel</i>		
<b>7010100</b> Duty time exceeded		Duty time exceeded
<i>The exceedance of the duty time by a person</i>		
<b>7020000</b> Rest time related		Rest time related
<i>Rest time related: an event related to the rest time of personnel</i>		
<b>7020100</b> Rest time less than required by regulation		Rest time less than required
<i>Rest time less than required by regulation</i>		
<b>7030000</b> 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>		
<b>7030100</b> Staffing/crewing less than required		Staffing/crewing less than required
<i>There were fewer staff/crew members at the workplace than required by regulation.</i>		
<b>7030200</b> Crew/staff not licensed for activity		Crew/staff not licensed for activity
<i>Crew/staff did not possess valid licences for the activity undertaken</i>		
<b>7040000</b> Operation in violation of license		Operation in violation of license
<i>Operation with an invalid license or carrying out an operation not covered by the license</i>		
<b>7040100</b> Air operator certificate (AOC) invalid		Air operator certificate (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>		
<b>7040200</b> 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>		
<b>7050000</b> Aircraft related regulatory event/issue		Aircraft related regulatory event/issue
<i>Aircraft related regulatory event/issue</i>		
<b>7050100</b> Operation of the aircraft in violation of the MEL		Operation in violation of the MEL
<i>Operation of the aircraft in violation of the MEL</i>		
<b>7050200</b> Aircraft was not equipped for the type of operation undertaken		Aircraft 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>		
<b>7050300</b> Aircraft not RVSM (Reduced Vertical Separation Minimum)		Aircraft not RVSM equipped
<i>Aircraft not RVSM equipped while being operated in RVSM airspace.</i>		
<i>RVSM: Reduced Vertical Separation Minimum of 1.000 ft (300 m.)</i>		
<b>7050400</b> The aircraft was not equipped or certified for the type of approach		Aircraft not equipped / certified for approach
<i>The aircraft was not equipped or certified for the type of approach flown</i>		
<b>7050500</b> Aircraft operating time / maintenance interval exceeded		Aircraft operating time / maintenance interval exceeded
<i>Aircraft operating time / maintenance interval exceeded</i>		
<b>7050600</b> Aircraft not airworthy		Aircraft not airworthy
<i>Aircraft not airworthy</i>		

ECCAIRS 4	Events	Data Definition Standard
7050601	<b>Aircraft not airworthy - airworthiness directive not implemented</b> <i>Aircraft not airworthy - airworthiness directive not implemented</i>	rective (AD) not implemented
7050700	<b>Invalid / no permit to fly: a permit to fly was required for the flight undertaken but it was not obtained or not valid</b> <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>	Invalid / no permit to fly
7060000	<b>Operation in violation of an aerodrome curfew</b> <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>	violation of aerodrome curfew

ECCAIRS 4	Events	Data Definition Standard
98000000	An event other than those listed above	Any other event
<i>An problem involving an event other than those listed above.</i>		

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