

ECCAIRS 4.2.6

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>		
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ECCAIRS 4	Events	Data Definition Standard
1000000	Aircraft/system/component related event	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.</i>		
1010000	Aircraft performance related event (ATA Code:0100)	0100 Aircraft performance
<i>(ATA Code:0100) An event involving the published performance of the aircraft.</i>		
1010100	Degraded performance (ATA Code:0101)	0101 Degraded performance
<i>(ATA Code:0101) An event in which the aircraft fails to achieve its published performance.</i>		
1090000	Towing and taxiing equipment related event (ATA Code:0900)	ng & taxiing equipment related
<i>(ATA Code:0900) An event involving equipment of the aircraft specifically used for the towing and taxiing.</i>		
1091000	Towing related event (ATA Code:0910)	0910 Towing
<i>(ATA Code:0910) An event involving the equipment of the aircraft used for towing.</i>		
1091001	Tow bar/tow cable break	Tow bar/cable break
<i>An event involving a failure of the tow bar or tow cable.</i>		
1100000	Parking and mooring related event (ATA Code:1000)	1000 Parking & mooring
<i>(ATA Code:1000) An event involving parking or mooring equipment of the aircraft.</i>		
1110000	Placarding related event (ATA Code:1100)	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>		
1120000	Servicing related event (ATA Code:1200)	1200 Servicing
<i>(ATA Code:1200) An event involving the servicing of the aircraft.</i>		
1210000	Air conditioning and pressurization system related event (ATA Cod	100 Air cond & 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>		
1220000	Autoflight system related event (ATA Code:2200)	2200 Autoflight sys
<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>		
1230000	Communication systems related event (ATA Code:2300)	2300 Communication sys
<i>(ATA Code:2300) An event involving the units and components furnishing a means of communicating from one part of the aircraft to another and between the aircraft or ground stations, includes voice, data, continuous wave communicating components, passenger announcement systems, intercom, in-flight telephones, and tape reproducers/record player.</i>		
1240000	Electrical power system related event (ATA Code:2400)	2400 Electrical power sys
<i>(ATA Code:2400) An event involving the electrical units and components that generate, control, and supply AC/DC electrical power for other systems through the secondary busses.</i>		

1250000	Aircraft furnishing related event (ATA Code:2500)	2500 Aircraft furnishing
<i>(ATA Code:2500) An event involving the removable items of equipment and furnishings mounted or contained in the flight, passenger, cargo and accessory compartments.</i>		
1251000	Flight compartment related event (ATA Code:2510)	2510 Flight compartment
<i>(ATA Code:2510) An event involving the removable equipment and furnishings within the cockpit or crew station of a general nature e.g. seats, shoulder harnesses, take-up harness reels, seat belts, sun visors, panels, map case, attachment brackets and hardware.</i>		
1252000	Passenger compartment related event (ATA Code:2520)	2520 Pax compartment
<i>(ATA Code:2520) An event involving the removable equipment and furnishings within the cabin of a general nature, e.g. seats, seat belts, hat rack, coat closet, panel and passenger comfort items such as personal blankets and pillows.</i>		
1253000	Buffet/galleys related event (ATA Code:2530)	2530 Buffet/galleys
<i>(ATA Code:2530) An event involving the galley equipment. Typical parts are hot plate, coffee pot, food carts, ovens, tray, pad, relay, switch, connector and dispenser.</i>		
1254000	Lavatories related event (ATA Code:2540)	2540 Lavatories
<i>(ATA Code:2540) An event involving the units and associated systems and parts located in lavatories, e.g. trash containers and dispensers.</i>		
1255000	Cargo compartment related event (ATA Code:2550)	2550 Cargo compartment
<i>(ATA Code:2550) An event involving the compartments for the storage of baggage and cargo including external mounted pods. Does not include the exterior door, hinges and latches. Typical parts are tie downs, restraint nets and equipment for loading and unloading cargo (includes rotorcraft cargo handling equipment).</i>		
1255900	Cargo related event (ATA Code:2559)	2559 Cargo related
<i>(ATA Code:2559) An event involving the aircraft's cargo.</i>		
1255901	Cargo leak	Cargo leak
<i>An event involving a leak from the aircraft's cargo other than a radiation leak.</i>		
1255902	Cargo shifted	Cargo shifted
<i>An event involving a shift of the aircraft's cargo after the aircraft was loaded.</i>		
1255903	Cargo smoke/fumes/fire	Cargo smoke/fumes/fire
<i>An event involving smoke, fumes or fire in the aircraft's cargo compartment.</i>		
1255904	Cargo radiation leak	Cargo radiation leak
<i>An event involving a leak of radioactive material, or radiation, from the aircraft's cargo.</i>		
1255905	Cargo/sling load dropped	Cargo/sling load dropped
<i>Cargo/sling load dropped</i>		
1256500	An event related to escape chute/slides (ATA Code:2565)	2565 Escape slide
1260000	Fire protection system related event (ATA Code:2600)	2600 Fire protection sys
<i>(ATA Code:2600) An event involving the fixed and portable units and components which detect and indicate fire or smoke and store and distribute fire extinguishing agent to all protected areas of the aircraft.</i>		
1270000	Aircraft flight control related event (ATA Code:2700)	2700 Aircraft flight control
<i>(ATA Code:2700) An event involving the units and components furnishing a means of manually controlling the flight attitude characteristics of the aircraft. Also includes the functioning and maintenance aspects of the flaps, spoilers and other control surfaces, but does not include the structure. Does not include rotorcraft flight controls. Typical parts are hydraulic boost system, controls and mounting brackets.</i>		

1280000	Fuel system related event (ATA Code:2800)	2800 Fuel sys
<i>(ATA Code:2800) An event involving the units and components storing and delivering fuel to the engine. Includes the integral tank leak detection and sealing. Does not include the structure of integral, tip fuel tanks, fuel cell backing boards, the fuel flow rate sensing, transmitting, or indicating systems.</i>		
1280100	Fuel leak (ATA Code:2801)	2801 Fuel leak
<i>(ATA Code:2801) Fuel leak: fuel escaping from broken/ruptured fuel lines, reservoirs etc</i>		
1290000	Hydraulic system related event (ATA Code:2900)	2900 Hydraulic sys
<i>(ATA Code:2900) An event involving the units and components which furnish hydraulic fluid under pressure to a common point (manifold) for re-distribution to other defined systems.</i>		
1300000	Ice/rain protection system related event (ATA Code:3000)	3000 Ice/rain protection sys
<i>(ATA Code:3000) An event involving the units and components which provide a means of preventing or disposing of formation of ice and rain on various parts of the aircraft.</i>		
1310000	Instruments related event (ATA Code:3100)	3100 Instruments
<i>(ATA Code:3100) An event involving the pictorial coverage of all instrument panels and controls. Procedural coverage of those systems which give visual or aural warning of conditions in systems which record, store, or compute data from unrelated systems. Includes the system or units which integrate indicating instruments into a central display system not related to any specific system.</i>		
1313000	Data recording related event (ATA Code:3130)	3130 Data recording
<i>(ATA Code:3130) An event involving the unit which continuously records critical flight, aircraft and powerplant system data, e.g. attitude, air speed, altitude or engine power. Includes the system and parts which provide a source of power and inputs, from various sources critical to flight, to flight data recorder. Typical parts are spool rod and magazine.</i>		
1315000	Central warning related event (ATA Code:3150)	3150 Central warning
<i>(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.</i>		
1320000	Landing gear related event (ATA Code:3200)	3200 Landing gear
<i>(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.</i>		
1321000	Main landing gear related event (ATA Code:3210)	3210 Main landing gear
<i>(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.</i>		
1321001	Main gear partial collapse or retraction	Partial collapse/retraction
<i>An event involving a collapse or retraction of the aircraft's main landing gear while it was supporting the aircraft.</i>		
1321002	Main gear complete collapse or retraction	Collapse or retraction
<i>An event involving the complete gear collapse or retraction while it was supporting the aircraft.</i>		
1322000	Nose/tail landing gear related event (ATA Code:3220)	3220 Nose/tail landing gear
<i>(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.</i>		
1322001	Nose gear collapsed/retracted	Collapsed/retracted
<i>An event involving the collapse or retraction of the aircraft's nose gear while it was supporting the aircraft.</i>		

1324000	Wheels and brakes related event (ATA Code:3240)	3240 Wheels & brakes
<i>(ATA Code:3240) An event related to the aircraft's wheels and brakes. Including the brake system miscellaneous parts other than the brake assembly, master cylinder, power valve, anti-skid system, the pressure source and associated system for emergency brake actuation and brake anti-ice system. Typical parts are line, hose, fitting, park brake valve and gauge.</i>		
1324100	Tyres related event (ATA Code:3241)	3241 Tyres
<i>(ATA Code:3241) An event related to tyre defects and failures.</i>		
1324200	Brakes related event (ATA Code:3242)	3242 Brakes
<i>(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.</i>		
1324207	Parking brake related event	Parking brake
<i>An event involving the aircraft's parking brake.</i>		
1324214	Emergency brake related event	Emergency brake
<i>An event involving the aircraft's emergency brake.</i>		
1324400	Anti-skid system related event (ATA Code:3244)	3244 Anti-skid sys
<i>(ATA Code:3244) 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.</i>		
1325000	Landing gear steering related event (ATA Code:3250)	3250 Landing gear steering
<i>(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.</i>		
1326000	Landing gear position and warning system related event (ATA Code:3260)	3260 Gear position & warning
<i>(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.</i>		
1327000	Auxiliary landing gear related event (ATA Code:3270)	3270 Auxiliary landing gear
<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>		
1327001	Other gear collapsed/retracted	Other gear collapse
<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>		
1330000	Aircraft lighting related event (ATA Code:3300)	3300 Aircraft lighting
<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>		
1340000	Navigation systems related event (ATA Code:3400)	3400 Navigation systems
<i>(ATA Code:3400) An event involving the units and components which provide aircraft navigational information.</i>		
1341400	Airspeed/Mach indicating system related event (ATA Code:3414)	414 Airspeed/Mach indicating
<i>(ATA Code:3414) An event involving the instrument which measures and indicates speed of the aircraft.</i>		
1341600	Altitude system related event (ATA Code:3416)	3416 Altitude
<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>		

1341800	Flight management system related event (ATA Code:3418)	3418 Flight management
<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 annunciators.</i>		
1342000	Attitude system related event (ATA Code:3420)	3420 Attitude
<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>		
1343000	Landing and taxi aids related event (ATA Code:3430)	3430 Landing & taxi aids
<i>(ATA Code:3430) An event involving the system providing guidance during approach, landing and taxiing. Includes such items as, ILS, paravisual director, ground guidance systems and markers.</i>		
1344000	Independent position determining system related event (ATA Code:3440)	3440 Independent pos system
<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>		
1344400	Ground proximity warning system related event (ATA Code:3444)	3444 Ground proximity warning
<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 process the warning computer input signals from various sources in order to determine if and when the crew should be alerted of a terrain hazard.</i>		
1344401	Ground proximity warning system nuisance alarm	GPWS nuisance alarm
<i>An event involving nuisance warnings by the aircraft's ground proximity warning system.</i>		
1344402	Other ground proximity warning system related event	Other GPWS event
<i>An event involving the aircraft's ground proximity warning system other than a nuisance warning.</i>		
1344500	Airborne collision avoidance system/traffic alert and collision avoidance system related event (ATA Code:3445)	3445 ACAS/TCAS
<i>(ATA Code:3445) An event involving the system which provides information to determine aircraft position and is primarily independent of ground installations (i.e., traffic alert and collision avoidance system TCAS). Typical parts are collision avoidance monitoring units.</i>		
1344501	ACAS/TCAS nuisance alarm	TCAS nuisance alarm
<i>An event involving a nuisance alarm from the aircraft's airborne collision avoidance system or traffic alert and collision avoidance system.</i>		
1350000	Oxygen system related event (ATA Code:3500)	3500 Oxygen system
<i>(ATA Code:3500) An event involving the units and components which store, regulate and deliver breathing oxygen to the passengers and crew. Typical parts are bottles, relief valves, shut-off valves, outlets, regulators, masks and walk-around bottles.</i>		
1360000	Pneumatic system related event (ATA Code:3600)	3600 Pneumatic system
<i>(ATA Code:3600) An event involving the units and components which deliver large volumes of compressed air from a power source to connecting points for other systems such as air conditioning, pressurization and de-icing.</i>		
1370000	Vacuum system related event (ATA Code:3700)	3700 Vacuum system
<i>(ATA Code:3700) An event involving the units and components used to generate, deliver and regulate negative air pressure.</i>		

1380000 **Drinkable/waste water system related event (ATA Code:3800)** 00 Drinkable/waste water sys

(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.

1490000 **Auxiliary power unit related event (ATA Code:4900)** 4900 Auxiliary power unit

(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.

1510000 **Repairs to airframe/structure related event (ATA Code:5100)** Repairs to airframe/structure

(ATA Code:5100) An event involving the standard practices and general procedures for typical repairs applicable to the aircraft's airframe or structure.

1510100 **Airframe structure - general related event (ATA Code:5101)** 01 Airframe structure-general

(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.

1520000 **Aircraft's doors related event (ATA Code:5200)** 5200 Aircraft's doors

(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.

1520100 **Doors - general related event (ATA Code:5201)** 5201 Doors-general

(ATA Code:5201) An event involving any of the aircraft's doors in general.

1520101 **Door opening** Door opening

An event involving the inadvertent or intentional opening of any of the aircraft's doors.

1520102 **Door separation** Door separation

An event involving the separation of any of the aircraft's doors.

1520170 **Door warning system related event** Door warning system

An event involving the aircraft's door warning system.

1530000 **Aircraft's fuselage related event (ATA Code:5300)** 5300 Aircraft's fuselage

(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.

1530100 **Airframe failure - other than general breakup (ATA Code:5301)** 5301 Airframe failure-other

(ATA Code:5301) An event involving a failure of the aircraft's airframe or structure other than a general disintegration or break-up.

1530200 **Airframe general disintegration or break-up (ATA Code:5302)** 5302 Airframe break-up

(ATA Code:5302) An event involving a general disintegration or break-up of the aircraft's airframe or structure.

1540000 **Aircraft engine nacelle or pylon related event (ATA Code:5400)** Aircraft engine nacelle/pylon

(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.

1550000 **Aircraft empennage related event (ATA Code:5500)** 5500 Aircraft empennage

(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.

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1552000	Aircraft elevator related event (ATA Code:5520)	5520 Aircraft elevator
<i>(ATA Code:5520) An event involving the structural aspects of the movable aerofoil hinged to the horizontal stabilizer for longitudinal control. Includes the "ruddervator" on V-tail aircraft and balance weights. Does not include the stabilator structure.</i>		
1554000	Aircraft rudder related event (ATA Code:5540)	5540 Aircraft rudder
<i>(ATA Code:5540) An event involving the structural aspects of the vertical aerofoil hinged to the vertical stabilizer. Does not include the actuators, actuator mechanism or mounting. Typical parts are hinge, hinge fittings, bearing, bolt and miscellaneous structure.</i>		
1560000	Aircraft windows/windshields related event (ATA Code:5600)	Aircraft windows/windshields
<i>(ATA Code:5600) An event involving the fuselage and crew compartment windows inclusive of windshields.</i>		
1560100	Aircraft's windows in general related event (ATA Code:560)	Aircraft's windows in general
<i>(ATA Code:5601) An event involving the aircraft's windows in general.</i>		
1560101	Window separation in flight	Window separation in flight
<i>An event involving the separation in flight of an aircraft window.</i>		
1570000	Aircraft wing related event (ATA Code:5700)	5700 Aircraft wing
<i>(ATA Code:5700) An event involving the centre wing and outer wing structural units and associated components and members which support the aircraft in flight. This code should be used for general reports of the primary wing structure.</i>		
1575000	Control surfaces (on the wing) related event (ATA Code:57)	5750 Control surfaces
<i>(ATA Code:5750) An event involving the control surfaces which are attached to the wing.</i>		
1610000	Propellers related event (ATA Code:6100)	6100 Propellers generally
<i>(ATA Code:6100) An event involving the complete mechanical or electrical propeller, governor, alternators, pumps, motors those units and components external to or integral with the engine used to control the propeller blade angle. Includes the propulsor duct assemblies, aerodynamic fairing of mechanical components, stators and vectoring systems.</i>		
1610100	Aircraft's propellers related event (ATA Code:6101)	01 Aircraft propellers-general
<i>(ATA Code:6101) An event involving any of the aircraft's propellers in general.</i>		
1610101	Propeller over-speed	Propeller over-speed
<i>An event involving a propeller over-speed.</i>		
1610102	Propeller separation	Propeller separation
<i>An event involving the separation of a propeller from its engine.</i>		
1610120	Propeller control	Propeller control
<i>An event related to the control of a propeller.</i>		
1620000	Rotorcraft main rotor systems related event (ATA Code:6200)) Rotorcraft main rotor system
<i>(ATA Code:6200) An event involving the rotorcraft main rotor systems. Main rotor: the rotor that supplies the principal lift to a rotorcraft.</i>		
1620100	Helicopter's main rotor in general related event (ATA Code:6201)	6201 Main rotor-general
<i>(ATA Code:6201) An event involving a helicopter's main rotor in general. Main rotor: the rotor that supplies the principal lift to a rotorcraft.</i>		
1620101	Main rotor blade flapping	Main rotor blade flapping
<i>An event involving flapping of the helicopter's main rotor blades.</i>		
1630000	Main rotor drive system related event (ATA Code:6300)	6300 Main rotor drive system
<i>(ATA Code:6300) An event involving the main rotor drive system.</i>		
1630100	Main rotor drive shaft (ATA Code:6301)	6301 Main rotor drive shaft
<i>(ATA Code:6301) An event involving the helicopter's main rotor drive shaft.</i>		

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1632000	Main rotor transmission/gearbox (ATA Code:6320) <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
1640000	Rotorcraft tail rotor system related event (ATA Code:6400) <i>(ATA Code:6400) An event involving the rotorcraft tail rotor system.</i>	00 Rotorcraft tail rotor system
1650000	Tail rotor drive system related event (ATA Code:6500) <i>(ATA Code:6500) An event involving the rotorcraft's tail rotor drive system.</i>	6500 Tail rotor drive system
1651000	Tail rotor drive shaft related event (ATA Code:6510) <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	Tail rotor gearbox (90 deg) related event (ATA Code:6520) <i>(ATA Code:6520) An event involving the helicopter's tail rotor 90 degree gearbox.</i>	20 Tail rotor gearbox (90 deg)
1653000	Tail rotor gearbox (45 deg) related event (ATA Code:6530) <i>(ATA Code:6530) An event involving the helicopter's tail rotor 45 degree gearbox.</i>	30 Tail rotor gearbox (45 deg)
1670000	Rotorcraft flight control systems related event (ATA Code:6700) <i>(ATA Code:6700) An event involving the rotorcraft control systems.</i>	00 Rotorcraft flight control sys
1710000	Powerplant package related event (ATA Code:7100) <i>(ATA Code:7100) An event involving the power plant package.</i>	7100 Powerplant package
1720000	Turbine engine related event (ATA Code:7200) <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	Turbine engine generally (ATA Code:7201) <i>(ATA Code:7201) An event involving a turbine engine generally.</i>	201 Turbine engine generally
1720101	Turbine engine tearaway <i>An event involving a turbine engine tearaway.</i>	Turbine engine tearaway
1720102	Uncontained failure of a turbine engine <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>	Uncontained failure
1720103	Mechanical failure of a turbine engine <i>An event involving a mechanical failure of a turbine engine, i.e. something broke etc.</i>	Mechanical failure
1720104	Non-mechanical failure of a turbine engine <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>	Non-mechanical failure
1720105	Simulated failure of a turbine engine <i>An event involving a simulated failure of a turbine engine.</i>	Simulated failure
1720106	Engine fuel starvation <i>An event involving a loss of power from a turbine engine due to fuel starvation. Fuel Starvation:Deprivation or insufficient supply of fuel to the engine.</i>	Engine fuel starvation
1720107	Engines asymmetric thrust <i>An event involving asymmetric thrust due to a loss of power from a turbine engine.</i>	Engine asymmetric thrust

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1720108	Turbine engine multiple failures <i>An event involving multiple failures of the aircraft's turbine engines.</i>	Multiple failures
1720110	Turbine engine gearbox related event <i>An event involving a failure of a gearbox in one of the aircraft's turbine engines</i>	Engine gearbox
1730000	Powerplant fuel system related event (ATA Code:7300) <i>(ATA Code:7300) An event involving turbine or reciprocating engine fuel systems of the engine.</i>	7300 Powerplant fuel system
1740000	Powerplant ignition system related event (ATA Code:7400) <i>(ATA Code:7400) An event involving the aircraft's powerplant ignition system.</i>	7400 Powerplant ignition system
1750000	Engine air system related event (ATA Code:7500) <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
1760000	Engine controls related event (ATA Code:7600) <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	Engine indicating system related event (ATA Code:7700) <i>(ATA Code:7700) An event involving engine indicating system discrepancies.</i>	7700 Engine indicating system
1780000	Engine exhaust system related event (ATA Code:7800) <i>(ATA Code:7800) An event involving engine exhaust system defects.</i>	7800 Engine exhaust system
1783000	Thrust reverser system related event (ATA Code:7830) <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	Engine oil system related event (ATA Code:7900) <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	Engine starting system related event (ATA Code:8000) <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	Auxiliary engine turbine related event (ATA Code:8100) <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

ECCAIRS 4	Events	Data Definition Standard
1820000	Engine water injection system related event (ATA Code:8200)	00 Engine water injection sys
<i>(ATA Code:8200) An event involving the system components and parts which inject a water mixture into induction system of turbine and reciprocating engines. Typical parts are pump, switch, tank and valve.</i>		
1830000	Powerplant accessory gearbox related event (ATA Code:8300)	8300 Accessory gearbox
<i>(ATA Code:8300) An event involving the units and components which are remotely installed and connected to the engine by a drive shaft but does not include those accessory drives which are bolted to and are immediately adjacent to the engine.</i>		
1850000	Reciprocating engine related event (ATA Code:8500)	8500 Reciprocating engine
<i>(ATA Code:8500) An event involving reciprocating engine problems, e.g. over temperature, metal contamination and vibration.</i>		
1850100	Reciprocating engine in general (ATA Code:8501)	01 Reciprocating eng general
<i>(ATA Code:8501) An event involving a reciprocating engine in general.</i>		
1850101	Engine tearaway	Engine tearaway
<i>An event involving a reciprocating engine tearaway, i.e. the engine separated from the aircraft.</i>		
1850102	Engine failure uncontained	Engine failure uncontained
<i>An event involving an uncontained failure in a reciprocating engine.</i>		
1850103	Engine mechanical failure	Engine failure mechanical
<i>An event involving a mechanical failure in a reciprocating engine</i>		
1850104	Power loss in a reciprocating engine due to non-mechanical failure	Failure non-mechanical
<i>An event involving a power loss in a reciprocating engine due to non-mechanical failure.</i>		
1850105	Simulated power loss reciprocating engine	Simulated power loss
<i>An event involving a simulated power loss in a reciprocating engine.</i>		
1850106	Engine power loss - fuel starvation	Power loss-fuel starvation
<i>An event involving a power loss in a reciprocating engine due to fuel starvation.</i>		
1850107	Engine power loss - carburettor icing	Carburettor icing
<i>An event involving a power loss in a reciprocating engine due to carburettor icing.</i>		
1850108	Failure of more than one reciprocating engine	Multiple failures
<i>An event involving multiple failures of the aircraft's reciprocating engines.</i>		
1850109	Reciprocating engine gearbox failure	Gearbox failure
<i>An event involving a failure of a reciprocating engine gearbox.</i>		

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

2011000	Unstabilized approach	Unstabilized approach
<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"> 1. <i>The aircraft is on the correct flight path;</i> 2. <i>Only small changes in heading/pitch are required to maintain the correct flight path;</i> 3. <i>The aircraft speed is not more than VREF + 20 knots indicated airspeed and not less than VREF;</i> 4. <i>The aircraft is in the correct landing configuration;</i> 5. <i>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;</i> 6. <i>Power setting is appropriate for the aircraft configuration and is not below the minimum power for approach as defined by the aircraft operating manual;</i> 7. <i>All briefings and checklists have been conducted;</i> 8. <i>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.</i> <i>(FSF ALAR tool kit)</i> 		
2011100	Warning system triggered	Warning sys triggered
<p><i>An event involving the triggering of an aircraft operational warning system, i.e. warning systems which are not related to the performance of the aircraft systems.</i></p>		
2011101	Genuine airborne collision avoidance system/traffic alert and collision avoidance system warning triggered	ACAS/TCAS triggered
<p><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></p>		
2011102	Genuine configuration warning triggered	Configuration warning
<p><i>An event involving a genuine configuration warning.</i></p>		
2011103	Genuine ground proximity warning system warning	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> <i>(ICAO NAVIG 1999, Oct., p. 394)</i></p>		
2011104	Other warning system triggered	Other warning sys triggered
<p><i>An event involving a genuine warning from an airborne system, other than those listed above.</i></p>		
2011200	Wheels-up landing,	Wheels-up landings
<p><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></p>		
2011201	Wheels-up landing - intentional	Intentional
<p><i>An event involving an intentional wheels-up landing, e.g. as a result of some preceding event.</i></p>		
2011202	Wheels-up landing - unintentional	Wheels-up unintentional
<p><i>An event involving an unintentional wheels-up landing, e.g. the crew forgot to lower the landing gear.</i></p>		
2011203	Wheels-up landing cause unknown	Cause unknown
<p><i>An event involving a wheels-up landing but where it is not known if it was intentional or not.</i></p>		
2011300	Wheels down landing on water	Wheels down-on water
<p><i>An event involving a wheels down landing on water.</i></p>		
2020000	Flight crew interaction with air navigation service related event	Flight crew/ANS
<p><i>An event related to the interaction between the air navigation service and the flight crew.</i></p>		

ECCAIRS 4	Events	Data Definition Standard
2020100	Traffic conflict related event <i>An event involving a traffic conflict.</i>	Traffic conflict
2020200	Air navigation service clearance related event <i>A clearance related event.</i>	ANS-clearance
2020201	Air navigation service erroneous clearance <i>The clearance was given in error, a wrong clearance was given.</i>	Erroneous clearance
2020202	Air navigation service clearance to wrong altitude <i>An event related to a clearance to the wrong altitude by the ANS services.</i>	Clearance-wrong altitude
2020300	Communication between pilot and air navigation service r <i>An event related to the communication 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>	Comms pilot/ANS
2020400	Controlled/restricted airspace infringement <i>An event involving an infringement of controlled/restricted airspace. The a/c entered an airspace it was not supposed to enter.</i>	Airspace infringement
2020500	Deviation from an air traffic control clearance <i>An event involving a deviation from an air traffic control clearance.</i>	Deviation/ATC clearance
2020501	Clearance deviation - start-up <i>An event related to a deviation from an air traffic control clearance on start-up.</i>	Deviation-start-up
2020502	Clearance deviation - push-back <i>An event involving a deviation from an air traffic control push back clearance.</i>	Deviation-push-back
2020503	Clearance deviation - taxi <i>An event related to a deviation from an air traffic control clearance associated with taxiing.</i>	Deviation-taxi
2020504	Clearance deviation - line-up <i>An event related to a deviation from an air traffic control clearance associated with line-up.</i>	Deviation-line-up
2020505	Clearance deviation - take-off <i>An event related to a deviation from an air traffic control clearance associated with take-off.</i>	Deviation-take-off
2020506	Clearance deviation - en-route <i>An event related to a deviation from an air traffic control en-route clearance.</i>	Deviation-en-route
2020507	Clearance deviation - oceanic <i>An event related to a deviation from an air traffic control oceanic clearance.</i>	Deviation-oceanic
2020508	Clearance deviation - approach <i>An event related to a deviation from an air traffic control approach clearance.</i>	Deviation-approach
2020509	Clearance deviation - holding <i>An event related to a deviation from an air traffic control holding clearance.</i>	Deviation-holding
2020510	Clearance deviation - landing <i>An event related to a deviation from an air traffic control landing clearance.</i>	Deviation-landing
2020511	Clearance deviation - runway crossing <i>An event related to a deviation from an air traffic control runway crossing clearance.</i>	Deviation-runway crossing
2020512	Clearance deviation - clearance limit <i>An event related to a deviation from an air traffic control clearance limit.</i>	Deviation-clearance limit
2020513	Clearance deviation - special procedure <i>An event related to a deviation from an air traffic control special procedure clearance.</i>	Deviation-special procedure
2020514	Clearance deviation - missed approach <i>An event related to a deviation from an air traffic control missed approach clearance.</i>	Deviation-missed approach
2020515	Deviation from clearance - low approach <i>An event related to a deviation from an air traffic control low approach clearance.</i>	Deviation-low approach
2020516	Deviation from clearance - touch and go <i>An event related to a deviation from an air traffic control touch and go clearance.</i>	Deviation-touch and go

ECCAIRS 4	Events	Data Definition Standard
2020517	Deviation from clearance - assigned flight level	Deviation-flight level
<i>An event related to a deviation from an air traffic control assigned flight level.</i>		
2020518	Deviation from clearance - assigned route/track/heading	Deviation-assigned details
<i>An event related to a deviation from an air traffic control assigned route/track/heading.</i>		
2020519	Deviation from clearance - assigned or specified speed	Deviation-specified speed
<i>An event related to a deviation from an air traffic control assigned or specified speed.</i>		
2020520	Deviation from clearance - time restriction or constraint	Deviation-time restriction
<i>An event related to a deviation from an air traffic control time restriction or constraint.</i>		
2020521	Deviation from clearance - rate of climb/descent restrictions	Deviation-climb/descent
<i>An event related to a deviation from air traffic control rate of climb/descent restrictions.</i>		
2020522	Deviation from clearance - climb/descent conditional clearance	Deviation-climb/desc-condl
<i>An event related to a deviation from air traffic control climb/descent restrictions.</i>		
2020600	Provision of information by the air navigation service relat	ANS provision-information
<i>An event related to the provision of information by the air navigation service.</i>		
2020601	Provision of flight information by the air navigation service related event	ANS flight information
<i>An event involving the provision of flight information by the air navigation service.</i>		
2020602	Provision of geographical, terrain or height information by the air navigation service related event	ANS geographical info
<i>An event involving the provision of geographical, terrain or height information by the air navigation service.</i>		
2020603	Provision of meteorological information by the air navigation service related event	ANS weather information
<i>An event involving the provision of meteorological information by the air navigation service, e.g. important weather information was not provided or provided late.</i>		
2020604	Provision of traffic information by the air navigation service related event	ANS traffic information
<i>An event involving the provision of traffic information by the air navigation service. (late, improper, not at all etc.)</i>		
2020700	Deviation from ATM Regulation	Deviation-ATM Regulation
<i>An event involving a deviation from an Air Traffic Management Regulation.</i>		
2020701	Unauthorised penetration of airspace	Airspace entry
<i>An event involving an unauthorised penetration of airspace.</i>		
2020702	Deviations from ATM mandatory carriage of aircraft equipment	Deviations/ATM equipment
<i>An event involving deviations from Air Traffic Management related mandatory carriage of aircraft equipment.</i>		
2020703	other	Other deviation ATM
<i>An event involving a deviation from an applicable Air Traffic Management Regulation other than those listed above.</i>		
2020800	Flight crew deviation from applicable ATM procedures	Flight crew deviation
<i>An event involving flight crew deviation from applicable Air Traffic Management procedures.</i>		
2020801	Deviation from minimum safe altitude en-route	En-route MSA
<i>An event involving flight crew deviation from applicable Air Traffic Management minimum safe altitude en-route procedure.</i>		
<i>MSA: An altitude depicted on approach charts that provides at least 1000 ft of obstacle clearance for use within a specified distance from the navigation facility upon which a procedure is predicated.</i>		
2020802	Deviation from landing minima	ATM landing minima
<i>An event involving flight crew deviation from applicable Air Traffic Management landing minima.</i>		

ECCAIRS 4	Events	Data Definition Standard
2020803	Deviation from standard instrument departure <i>An event involving flight crew deviation from applicable Air Traffic Management Standard Instrument Departure procedure.</i>	ATM SID
2020804	Deviation from Standard Terminal Arrival Route <i>An event involving flight crew deviation from applicable Air Traffic Management Standard Terminal Arrival Route procedure.</i>	ATM STAR
2020805	Deviation from approach procedure <i>An event involving flight crew deviation from applicable Air Traffic Management approach procedure.</i>	ATM approach procedure
2020806	Deviation from speed restriction <i>An event involving flight crew deviation from applicable Air Traffic Management speed restrictions.</i>	ATM speed restriction
2020900	Other Air Traffic Management procedure related event <i>An event involving flight crew deviation from applicable Air Traffic Management procedure other than those listed above.</i>	Other ATM procedure
2030000	Cabin safety related event <i>A cabin safety related event.</i>	Cabin safety
2030100	Blocked cabin exit <i>An event involving a blocked cabin exit.</i>	Blocked cabin exit
2030200	Unserviceable seatbelt <i>An event involving an unserviceable seatbelt.</i>	Unserviceable seatbelt
2030300	Slide failure or not armed <i>An event involving an escape chute or slide which failed or was not armed.</i>	Slide failure or not armed
2040000	Flight crew related event <i>An event involving a flight crew member (as a person, not related to a specific action).</i>	Flight crew
2040100	Flight crew incapacitation/illness <i>An event involving a flight crew member's incapacitation or illness.</i>	Flight crew incapacitation
2050000	Collision of an aircraft with an obstacle, terrain or another aircraft <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	Collision with a moving aircraft <i>An event involving a collision of an aircraft with another moving, i.e. not parked, aircraft.</i>	Collision-moving aircraft
2050101	Collision with another aircraft, both airborne <i>An event involving a collision of an aircraft with another aircraft, both airborne.</i>	Collision-both aircraft aloft
2050102	Collision with another aircraft, one airborne the other moving on the ground <i>An event involving a collision of an aircraft with another aircraft, one airborne.</i>	Collision-one aircraft aloft
2050103	Collision between two aircraft both moving on the ground <i>An event involving a collision between two aircraft both moving on the ground.</i>	Collision a/c on ground
2050104	Aircraft collision with balloon <i>An event involving a collision of an aircraft with a balloon.</i>	Aircraft collision with balloon
2050105	Collision between aircraft one of which was a microlight <i>An event involving a collision between aircraft one of which was a microlight.</i>	Collision a/c-microlight
2050106	Collision between an aircraft and a dirigible <i>An event involving a collision between an aircraft and a dirigible.</i>	Collision a/c-dirigible

ECCAIRS 4	Events	Data Definition Standard
2050200	An aircraft collision with the terrain	Collision a/c-terrain
<i>An event involving an aircraft colliding with the terrain. Use collision with terrain when the nature of the terrain is unimportant in relation to the impact or when impact with the ground was inevitable. Use collision with obstacles when the collision was related to the presence of the obstacle(s) in the path of movement of the aircraft.</i>		
2050201	Aircraft collision with level terrain/water	Collision a/c-level terrain
<i>An event involving an aircraft collision level terrain or water.</i>		
2050202	Aircraft collision with high terrain, a hill or a mountain	Collision a/c-high terrain
<i>An event involving an aircraft collision with high terrain, a hill or a mountain.</i>		
2050300	Aircraft collision with airborne object other than another ai	Collision a/c-object aloft
<i>An event involving an aircraft collision with an airborne object other than another aircraft, balloon or dirigible.</i>		
2050301	Aircraft collision with bird/bird strike	Aircraft bird strike
<i>An event involving an aircraft collision with bird.</i>		
2050302	Aircraft collision with model aircraft	Collision a/c-model aircraft
<i>An event involving an aircraft collision with model aircraft.</i>		
2050303	Aircraft collision an airborne object other than those listed above	Collision a/c-other object
<i>An event involving an aircraft collision with an airborne object other than another aircraft, balloon, dirigible, bird, model aircraft or parachutist.</i>		
2050304	Aircraft collision with parachutist in the air	Collision a/c-parachutist
<i>An event involving an aircraft collision with parachutist in the air</i>		
2050400	Aircraft collision with object/obstacle on ground	Collision a/c-object-ground
<i>An event involving an aircraft collision with an object/obstacle on the ground.</i>		
2050401	Aircraft collision with aerodrome structure including navigation and approach aids	Collision a/c-structure
<i>An event involving an aircraft collision with an aerodrome structure including navigation and approach aids.</i>		
2050402	Aircraft collision with an animal	Collision a/c-animal
<i>An event involving an aircraft collision with an animal - excluding birds.</i>		
2050403	Aircraft collision with approach/runway/taxiway lights	Collision a/c-lights
<i>An event involving an aircraft collision with approach, runway or taxiway lights.</i>		
2050404	Aircraft collision with building	Collision a/c-building
<i>An event involving an aircraft collision with a building.</i>		
2050405	Aircraft collision with deadhead/semi-submerged log	Collision a/c-submerged log
<i>An event involving an aircraft collision with a deadhead or semi-submerged log. A deadhead is a sunken or submerged log. Used in conjunction with aircraft moving on water.</i>		
2050406	Aircraft collision with an embankment or shore	Collision a/c-the shore
<i>An event involving an aircraft collision with an embankment or shore.</i>		
2050407	Aircraft collision with other object on ground	Collision a/c-other object
<i>An event involving an aircraft collision with an object on the ground other than one of those listed above or below.</i>		
2050408	Aircraft collision with parked aircraft	Collision a/c-parked a/c
<i>An event involving an aircraft collision with parked aircraft.</i>		
2050410	Aircraft collision with a person	Collision a/c-person
<i>An event involving an aircraft collision with a person.</i>		
2050411	Aircraft collision with power line conductor, cable or wire	Collision a/c-cable/wire
<i>An event involving an aircraft collision with power line conductor, cable or wire.</i>		
2050412	Aircraft collision with a snow bank	Collision a/c-snow bank
<i>An event involving an aircraft collision with a snow bank.</i>		

ECCAIRS 4	Events	Data Definition Standard
2050413	Aircraft collision with tall structure, e.g. chimney, mast, post or pole	Collision a/c-tall structure
	<i>An event involving an aircraft collision with tall structure, e.g. chimney, mast, post or pole</i>	
2050414	Aircraft collision with tree/tall vegetation	Collision a/c-tree/tall vegetation
	<i>An event involving an aircraft collision with tree(s)/tall vegetation.</i>	
2050415	Aircraft collision with a vehicle	Collision a/c-vehicle
	<i>An event involving an aircraft collision with a vehicle.</i>	
2050416	Aircraft collision with a wave	Collision a/c-wave
	<i>An event involving an aircraft collision with a wave.</i>	
2060000	Damage to aircraft	Damage to aircraft
	<i>An event involving damage to the aircraft in general.</i>	
2060100	Aircraft damage caused by explosive decompression	Explosive decompression
	<i>An event involving explosive decompression damage to the aircraft.</i>	
2060200	Aircraft damage caused by foreign object	Foreign object damage
	<i>An event involving foreign object damage to the aircraft.</i>	
2060300	Helicopter damage caused by ground resonance	Ground resonance damage
	<i>An event involving ground resonance damage to the helicopter.</i>	
2060400	Aircraft damage caused by lightning strike	Lightning strike damage
	<i>An event involving lightning strike damage to the aircraft.</i>	
2060500	Damage caused by aircraft over-stress	Aircraft over-stress damage
	<i>An event involving over-stress damage to the aircraft.</i>	
2060600	Damage caused by propeller/rotor/jet blast	Propeller/rotor/jet blast
	<i>An event involving propeller strike, rotor strike or jet blast damage to the aircraft.</i>	
2060700	Damage caused when aircraft sank through surface	Sank through surface
	<i>An event involving damage caused to the aircraft when the aircraft sank through the supporting surface.</i>	
2060800	Damage caused by object	Damaged by object
	<i>An event involving damage caused to the aircraft when the aircraft was struck by an object.</i>	
2060900	Damage caused by ground equipment, air stairs or a vehicle	Damaged 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>	
2061000	Damage caused by turbulence	Turbulence damage
	<i>An event involving damage caused to the aircraft when the aircraft encountered turbulence.</i>	
2061100	Damage caused by unlawful act	Unlawful act damage
	<i>An event involving damage to the aircraft caused by an unlawful act.</i>	
2061200	Damage caused by wind	Wind damage
	<i>An event involving damage to the aircraft by wind.</i>	
2061300	Damage caused when aircraft sank in water	Aircraft sank
	<i>An event involving damage to the aircraft caused when the aircraft sank, e.g. after a successful forced landing on water.</i>	

2061400	Damage caused by hail	Hail damage
<i>An event involving damage to the aircraft caused when the aircraft was hit by hail.</i>		
2061500	Damage caused by main rotor strike	Main rotor strike
<i>An event involving damage caused to the aircraft when it was struck by a main rotor blade.</i>		
2070000	The aircraft departed from the intended movement area	Aircraft off movement area
<i>The aircraft departed from the intended movement area.</i>		
2070100	Runway excursion to the side	Runway side excursion
<i>The aircraft ran off the side of the runway.</i>		
2070200	Taxiway excursion	Taxiway excursion
<i>The aircraft ran off the taxiway.</i>		
2070300	Apron excursion	Apron excursion
<i>The aircraft ran off the apron.</i>		
2070400	The aircraft ran off the end of the runway	Aircraft overrun
<i>The aircraft ran off the end of the runway.</i>		
2080000	Deviation from intended flight path/attitude (fixed wing aircraft)	Deviations from flight path
<i>An event involving a deviation from intended flight path/attitude by a fixed wing aircraft.</i>		
2080100	Deviation from intended flight path - altitude	Deviation from altitude
<i>An event involving a deviation from intended flight altitude by a fixed wing aircraft. (Loss of altitude control)</i>		
2080200	Deviation from intended flight path - heading	Deviation from heading
<i>An event involving a deviation from intended heading by a fixed wing aircraft. (loss of directional control)</i>		
2080300	Mush/stall	Mush/stall
<i>An event involving a mush/stall by a fixed wing aircraft.</i>		
2080400	Spin	Spin
<i>An event involving a spin by a fixed wing aircraft.</i>		
2080500	Spiral dive	Spiral dive
<i>An event involving a spiral dive by a fixed wing aircraft.</i>		
2080600	Deviation from intended pitch attitude	Deviation from pitch attitude
<i>An event involving a pitch deviation from intended flight attitude by a fixed wing aircraft. (loss of pitch control)</i>		
2080700	Deviation from intended roll attitude	Deviation from roll attitude
<i>An event involving a roll deviation from intended flight attitude by a fixed wing aircraft. (loss of roll control)</i>		
2080800	Porpoising: loss of pitch attitude control	Porpoising
<i>An event involving porpoising (repeated alternating contact with rwy from nose/main gear, often as a result of overcontrolling the aircraft) a fixed wing aircraft.</i>		
2080900	Deviation from intended flight path/attitude - other	Other
<i>An event involving a deviation from intended flight attitude other than those listed above by a fixed wing aircraft.</i>		

ECCAIRS 4	Events	Data Definition Standard
2090000	Deviation from intended flight path/attitude by a helicopter	helicopter flight path deviation
<i>An event involving a pitch deviation from intended flight path or attitude by a helicopter.</i>		
2090100	Helicopter deviation from intended altitude	Deviation from altitude
<i>An event involving an altitude deviation from intended flight path by a helicopter.</i>		
2090200	Helicopter deviation from intended heading	Deviation from heading
<i>An event involving a heading deviation from intended flight path by a helicopter. (loss of directional control)</i>		
2090300	Helicopter deviation from intended pitch attitude	Deviation from pitch
<i>An event involving a pitch deviation from intended attitude by a helicopter. (loss of pitch control)</i>		
2090400	Helicopter deviation from intended roll attitude	Deviation from roll attitude
<i>An event involving a roll deviation from intended flight attitude by a helicopter.</i>		
2090500	Helicopter dynamic roll-over	Dynamic roll-over
<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>		
2090600	Helicopter inadequate rotor rpm	Inadequate rotor rpm
<i>An event involving helicopter inadequate rotor rpm.</i>		
2090700	Helicopter settling with power/vortex ring	Settling with power
<i>Settling with power: A condition of helicopter power settling, in which hover power required exceeds power available, normally resulting from an attempt to hover out of ground effect with insufficient power available to compensate for elevation, temperature, and/or humidity. VORTEX RING STATE: An area of nonuniform and unsteady airflow around a rotating main rotor or tail rotor in which the rotor is affected by an induced velocity of airflow that approaches or exceeds the airflow being produced by the affected rotor. It is characterized by a sudden requirement for increased power and/or rotor pitch when airflow from the affected rotor is forced back through and around the rotor.</i>		
2090800	Helicopter uncontrolled rotation or uncommanded yaw	Uncontrolled yaw
<i>An event involving uncontrolled rotation or uncommanded yaw by a helicopter.</i>		
2090900	Helicopter deviation from intended flight path/attitude - oth	Other
<i>An event involving a helicopter deviation from intended flight path/attitude other than those listed above.</i>		
2100000	Diversion of an aircraft from the intended destination	Aircraft diversion
<i>An event involving any diversion of an aircraft from the intended destination.</i>		
2100100	Diversion due to weather conditions	Weather conditions
<i>An event involving a diversion by an aircraft due to weather conditions.</i>		
2100200	Diversion due to operational decision	Operational decision
<i>An event involving a diversion by an aircraft due to an operational decision.</i>		
2100300	Diversion due to technical reasons	Technical reasons
<i>An event involving a diversion by an aircraft due to technical reasons.</i>		
2100400	diversion - due to other reasons	Other reasons
<i>An event involving a diversion by an aircraft due to reasons other than those listed above.</i>		
2110000	Aircraft fire/explosion	Aircraft fire/explosion
<i>An event involving a fire or explosion.</i>		

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

ECCAIRS 4	Events	Data Definition Standard
2150200	Injuries from abrupt manoeuvre <i>An event involving injuries to an aircraft's occupants due to an abrupt manoeuvre.</i>	Injuries-abrupt manoeuvre
2150300	Injuries received from contact with a propeller, helicopter r <i>An event involving injuries received from contact with a propeller, helicopter rotor or jet blast.</i>	Injuries-prop/jet blast
2150400	Injuries received from a strike by an aircraft or aircraft com <i>An event involving injuries received from a strike by an aircraft or aircraft component.</i>	Injuries-a/c component
2150500	Injuries received from sources other than those listed abov <i>An event involving injuries received from sources other than those listed above.</i>	Injuries from other sources
2160000	Material falling off the aircraft <i>An event involving material falling off the aircraft.</i>	Material off aircraft
2160100	Ice falling from aircraft <i>An event involving a ice falling from aircraft.</i>	Ice
2160101	External ice, resulting from ambient weather, falling off the aircraft <i>An event involving external ice accumulations, resulting from ambient weather, falling off the aircraft.</i>	Ice [weather]
2160102	External icing, resulting from galley drainage, falling off the aircraft <i>An event involving external ice accumulations, resulting from galley drainage, falling off the aircraft.</i>	Ice [galley drains]
2160103	Ice (toilet water) falling off aircraft <i>An event involving external ice accumulations, resulting from toilet drainage, falling off the aircraft.</i>	Ice (toilet water)
2160104	Ice (potable water) falling off aircraft <i>An event involving external ice accumulations, resulting from drinking water drainage, falling off the aircraft.</i>	Ice (potable water)
2160105	Ice (undetermined) falling off aircraft <i>An event involving external ice accumulations, resulting from a undetermined source, falling off the aircraft.</i>	Ice (undetermined)
2160200	Objects falling off aircraft other than ice <i>An event involving any object, other than ice, falling off the aircraft.</i>	Objects [not ice]
2160201	A panel falling off the aircraft <i>An event involving a panel falling off the aircraft.</i>	Panels
2160202	An identified component falling off the aircraft <i>An event involving an identified aircraft component, other than a panel, falling off the aircraft.</i>	Identified component
2160203	Unidentified component falling off the aircraft <i>An event involving an unidentified component falling off the aircraft.</i>	Unidentified component
2160300	Sighting of an object falling off aircraft <i>An event involving a sighting of an object falling off aircraft.</i>	Sighting-object from a/c
2170000	Aircraft navigation related event <i>An event involving navigation of the aircraft.</i>	Aircraft navigation
2170100	Wrong aerodrome selected <i>An event involving the selection of the wrong aerodrome.</i>	Wrong aerodrome selected
2170200	Wrong runway selected <i>An event involving the selection of the wrong runway.</i>	Wrong runway selected
2170300	Wrong taxiway selected <i>An event involving the selection of the wrong taxiway.</i>	Wrong taxiway selected

ECCAIRS 4	Events	Data Definition Standard
2170400	Navigation track error	Navigation track error
<i>An event involving the selection of an incorrect track.</i>		
2170500	Navigation error - other	Navigation error - other
<i>An event involving a navigation error other than those listed above.</i>		
2180000	Near collisions with objects/ground or loss of separation between aircraft - object/ground separation	aircraft - object/ground separation
<i>An event involving an aircraft in a near collision or a loss of separation from involving another aircraft, an object or the terrain.</i>		
2180100	Loss of separation between aircraft.	collisions - loss of separation
<i>An event involving a loss of separation between aircraft</i>		
2180101	Loss of separation with aircraft -both airborne	separation -aircraft- both airborne
<i>This includes the AIRPROX defined as: A situation in which, in the opinion of a pilot or air traffic services personnel, the distance between aircraft as well as their relative positions and speed have been such that the safety of the aircraft involved may have been compromised. An aircraft proximity is classified as follows:</i>		
<i>Risk of collision. The risk classification of an aircraft proximity in which serious risk of collision has existed.</i>		
<i>Safety not assured. The risk classification of an aircraft proximity in which the safety of the aircraft may have been compromised.</i>		
<i>No risk of collision. The risk classification of an aircraft proximity in which no risk of collision has existed.</i>		
<i>Risk not determined. The risk classification of an aircraft proximity in which insufficient information was available to determine the risk involved, or inconclusive or conflicting evidence precluded such determination.</i>		
2180102	Loss of separation with aircraft - one airborne	separation - one aircraft airborne
<i>An event involving a loss of separation with another aircraft -one airborne</i>		
2180103	Loss of separation with aircraft - both on ground	with aircraft - both on ground
<i>An event involving a loss of separation with aircraft operating on the ground.</i>		
2180104	Loss of separation - potential for collision	loss of sep - potential collision
<i>An event involving a loss of separation with the potential for a collision.</i>		
2180105	Loss of separation with no risk of collision	loss of sep: no risk of collision
<i>No risk of collision. The risk classification of an aircraft proximity in which no risk of collision has existed. Doc 4444.</i>		
2180106	Loss of separation - risk of collision not determined	loss of sep: risk undetermined
<i>Risk not determined. The risk classification of an aircraft proximity in which insufficient information was available to determine the risk involved, or inconclusive or conflicting evidence precluded such determination.Doc 4444</i>		
2180107	Separation minima infringement	separation minima infringement
<i>Separation minima infringement</i>		
2180200	Near collision with terrain generally	Near collision with terrain
<i>An event involving a near collision by an aircraft with terrain.</i>		
2180201	Near collision with level terrain	near collision with level terrain
<i>An event involving a near collision by an aircraft with level terrain.</i>		
2180202	Near collision with high terrain/hill/mountain	collision - high terrain/mountain
<i>An event involving a near collision by an aircraft, with high terrain, a hill or a mountain.</i>		
2180300	Near collision with airborne object	near collision with airborne object
<i>An event involving a near collision by an aircraft with an airborne object.</i>		
2180301	Near collision with a bird	Near collision - bird
<i>An event involving a near collision by an aircraft with a bird.</i>		
2180302	Near collision with an other airborne object	collision -other airborne object
<i>An event involving a near collision by an aircraft with an airborne object other than one of those listed above.</i>		
2180303	Near collision with an unknown airborne object	collision - unknown airborne object
<i>An event involving a near collision by an aircraft with an airborne object which was not identified.</i>		

ECCAIRS 4	Events	Data Definition Standard
2180304	Near collision with parachutist	Near collision with parachutist
2180400	Near collision with an object on the ground	Collision - object on the ground
<i>An event involving a near collision by an aircraft with an object on the ground.</i>		
2180401	Near collision with a parked aircraft	Near collision- parked aircraft
<i>An event involving a near collision by an aircraft with a parked aircraft.</i>		
2180402	Near collision with tall structure/object	Near collision tall object
<i>An event involving a near collision by an aircraft with tall structure or other object on the ground.</i>		
2180403	Near collision with person	Near collision-with person
<i>An event involving a near collision by an aircraft with a person on the ground.</i>		
2180404	Near collision with parachutist on the ground	Near collision - parachutist
<i>An event involving a near collision by an aircraft with a parachutist on the ground.</i>		
2180405	Near collision with vehicle	Near collision - vehicle
<i>An event a near collision by an aircraft with a vehicle.</i>		
2180406	Near collision with object on the ground	Collision - other ground object
<i>An event involving a near collision by an aircraft with an object on the ground other than one of those listed above.</i>		
2190000	Nosed down/overturned	Nosed down/overturned
<i>An event involving an aircraft which nosed down or overturned.</i>		
2200000	Incursions generally	Incursions generally
<i>An event involving any incursion into an area not cleared for entry by the person, aircraft, equipment or vehicle.</i>		
2200100	Runway incursions	Runway incursions
<i>An event involving a runway incursion.</i>		
2200101	Runway incursion by an aircraft	By an aircraft
<i>An event involving a runway incursion by an aircraft.</i>		
2200102	Runway incursion by a vehicle/equipment	By a vehicle/equipment
<i>An event involving a runway incursion by a vehicle or equipment.</i>		
2200103	Runway incursion by a person	By a person
<i>An event involving a runway incursion by a person.</i>		
2200104	Runway incursion by an animal	By an animal
<i>An event involving a runway incursion by an animal.</i>		
2200200	Taxiway incursion	Taxiway incursion
<i>An event involving a taxiway incursion.</i>		
2200201	Taxiway incursion by an aircraft	By an aircraft
<i>An event involving a taxiway incursion by an aircraft.</i>		
2200202	Taxiway incursion by a vehicle/equipment	By a vehicle/equipment
<i>An event involving a taxiway incursion by a vehicle or equipment.</i>		
2200203	Taxiway incursion by a person	By a person
<i>An event involving a taxiway incursion by a person.</i>		
2200204	Taxiway incursion by an animal	By an animal
<i>An event involving a taxiway incursion by an animal.</i>		
2200300	Apron/ramp incursion	Apron/ramp incursion
<i>An event involving an apron/ramp incursion.</i>		
2200301	Apron incursion by an aircraft	By an aircraft
<i>An event involving an apron incursion by an aircraft.</i>		
2200302	Apron incursion by a vehicle/equipment	By a vehicle/equipment
<i>An event involving an apron incursion by a vehicle or equipment.</i>		
2200303	Apron incursion by a person	By a person
<i>An event involving an apron incursion by a person.</i>		

ECCAIRS 4	Events	Data Definition Standard
2200304	Apron incursion by an animal	By an animal
	<i>An event involving an apron incursion by an animal.</i>	
2210000	Person (not flight crew)	Person (not flight crew)
	<i>An event involving a person (not flight crew).</i>	
2210100	Difficult passenger	Difficult pax
	<i>An event involving a difficult passenger.</i>	
2210200	Medical emergency (not cabin crew)	Medical emergency (pax)
	<i>An event involving a medical emergency (not cabin crew).</i>	
2210300	Other, non-flight crew person	Other non-flight crew person
	<i>An event, other than those listed above, involving a non-flight crew person.</i>	
2220000	Weather encounters related event	Weather encounters
	<i>An event involving the weather.</i>	
2220100	Aircraft encountered icing conditions	Icing conditions
	<i>Icing conditions: Weather conditions conducive to the formation of ice on an aircraft in flight. These conditions are usually characterized by visible moisture in the air and temperatures around the freezing level. Pilots encountering icing conditions are urged to issue a pilot weather report (PIREP) immediately.</i>	
2220200	Aircraft encountered windshear	Windshear
	<i>Wind shear: A change in wind speed and/or wind direction in a short distance. It can exist in a horizontal or vertical direction and occasionally in both.</i>	
2220300	Aircraft encountered volcanic ash	Volcanic ash
	<i>An event involving an aircraft encounter with volcanic ash.</i>	
2220400	Aircraft encountered vortex/wake turbulence	Wake turbulence
	<i>Wake turbulence: Turbulent air behind an aircraft caused by any of the following: (a) wing-tip vortices; (b) rotor-tip vortices; (c) jet-engine thrust stream or jet blast; (d) rotor downwash; (e) prop wash.</i>	
	<i>Wing tip vortex: A circular pattern of air current created by the movement of an airfoil through the air when the airfoil is generating lift. As an airfoil moves through the atmosphere in sustained flight, an area of high pressure is created beneath it and an area of low pressure is created above it. The air flowing from the high-pressure area to the low-pressure area around and about the tips of the airfoil tends to roll up into two rapidly rotating vortices, cylindrical in shape. These vortices are the predominant parts of aircraft wake turbulence and their rotational force is dependent upon the wing loading, gross weight, and speed of the generating aircraft. The vortices from medium to heavy aircraft can be of extremely high velocity and hazardous to smaller aircraft.</i>	
2220500	Aircraft encounter with instrument meteorological conditio	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>	
2220600	Aircraft encounter with turbulence	Turbulence
	<i>Encounter with any or all of a) clear air turbulence (CAT) b) turbulence in cloud c) vortex / wake turbulence</i>	
2220700	Aircraft encountered other unexpected weather conditions	Unexpected weather
	<i>An event involving an aircraft encounter with unexpected weather conditions other than those listed above.</i>	

2220800	Aircraft encountered crosswind	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>		
2220900	Aircraft encountered tailwind	Tailwind
<i>An event involving an aircraft encounter with a tailwind.</i>		
2221000	Loss of visual reference	Loss of visual reference
<i>Loss of visual reference</i>		
2222000	Lightning strike	Lightning strike
<i>Lightning strike</i>		
2230000	Security generally related event	Security generally
<i>An event involving security generally.</i>		
2230100	Bomb warning/scare	Bomb warning/scare
<i>An event involving a bomb warning/scare.</i>		
2230200	Hijacking	Hijacking
<i>An event involving a hijacking.</i>		
2230300	Sabotage	Sabotage
<i>An event involving sabotage.</i>		
2230400	Military intervention	Military intervention
<i>An event involving military intervention.</i>		

ECCAIRS 4	Events	Data Definition Standard
3000000	Consequential events	Consequential events
<i>An event evolving from another event.</i>		
3010000	precautionary landing	Precautionary landing
<i>A precautionary landing as the consequence of previous events.</i>		
3020000	declared emergency	Declared emergency
<i>A declared emergency as the consequence of previous events.</i>		
3030000	rejected take-off	Rejected take-off
<i>A rejected take-off as the consequence of previous events.</i>		
3040000	Rejected landing	Rejected landing
<i>A rejected landing as the consequence of previous events.</i>		
3050000	Missed approach	Missed approach
<i>A missed approach as the consequence of previous events.</i>		
3060000	Emergency descent	Emergency descent
<i>An emergency descent as the consequence of previous events. The events marks the decision to carry out the emergency descent. "Emergency descent" as a sub phase indicates the phase of flight of the aircraft while implementing such a decision.</i>		
3070000	Ditching - forced landing on water	Ditching
<i>A ditching, an unavoidable controlled emergency landing on water as the consequence of previous events.</i>		
3080000	Forced landing	Forced landing
<i>Forced landing. Unavoidable landing. 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>		
3090000	An approach below minima	Approach below minima
<i>An approach below minima was carried out as the consequence of previous events.</i>		
3100000	Fuel dumping	Fuel dumping
<i>Fuel dumping</i>		
3110000	Evacuation	Evacuation
<i>Evacuation: Evacuation means the leaving of the aircraft through approved exits and using approved means following the aircraft emergency evacuation procedure. Escape from the wreckage through breaks in the fuselage is not what is meant by 'evacuation'. Unauthorized leaving the aircraft resulting from panic of passengers is also included here.</i>		

3120000 **The landing was executed without flaps/slats** Flapless landing

The landing was executed without flaps/slats being used. This usually results in higher speeds.

3130000 **Fuel burn off** Fuel burn off

Intentional holding to consume fuel before landing. Usually done in order to prevent overweight landing or to reduce fire hazards.

3140000 **A/c return** A/c return

The aircraft returned to its point of departure

3150000 **Overweight landing** Overweight landing

Overweight landing - a landing in which the maximum permissible landing weight was exceeded.

ECCAIRS 4	Events	Data Definition Standard
4000000	Air Navigation Services related event	Air Navigation Services
<i>An event involving the Air Navigation Services.</i>		
4010000	Air Navigation Services operational issues	Operational issues
<i>An event involving Air Navigation Services operational issues.</i>		
4010100	Air Navigation Services operational communications relate	Communications
<i>An event involving Air Navigation Services operational communications.</i>		
4010200	Air Navigation Services operational information provisions	Information provisions
<i>An event involving Air Navigation Services operational information provisions.</i>		
4010300	Air Navigation Services separation provision related event	Separation provision
<i>An event involving Air Navigation Services separation provision.</i>		
4010400	Air Navigation Services conflict detection and resolution re	Conflict detection/resolution
<i>An event involving Air Navigation Services conflict detection and resolution.</i>		
4010500	Air Navigation Services handling of accidents/incidents/em	Handling-occurrences
<i>An event involving Air Navigation Services handling of an accident, incident or an emergency.</i>		
4010600	Air Navigation Services handing over/taking over procedur	Handing over procedure
<i>An event involving Air Navigation Services handing over/taking over procedure.</i>		
4020000	Aeronautical Information Service related event	Aeronautical Info Service
<i>An event involving the Aeronautical Information Service.</i>		
4020100	Aeronautical Information Service out of date information pr	Out of date information
<i>An event involving out of date information provided by the Aeronautical Information Service.</i>		
4020200	Aeronautical Information Service up to date but users have	Data difference
<i>An event involving a difference between Aeronautical Information Service data and that in use.</i>		
4020300	Aeronautical Information Service erroneous data	Erroneous data
<i>An event involving erroneous data provided by the Aeronautical Information Service.</i>		
4020400	Flight crew and Air Traffic Management using different dat	Flight crew & ATM data
<i>An event involving flight crew and Air Traffic Management using different data.</i>		
4030000	Air Traffic Flow Management related event	ATFM
<i>An event involving Air Traffic Flow Management.</i>		
4040000	Airspace management related event	Airspace management
<i>An event involving airspace management.</i>		
4050000	Air Traffic Management/Communication, Navigation and Surveillan	ATM/CNS serviceability
<i>An event involving an Air Traffic Management or Communication, Navigation and Surveillance serviceability related event.</i>		
4050100	Inability to provide air traffic management	Failure of ATM
<i>An event involving an inability to provide air traffic management.</i>		

ECCAIRS 4	Events	Data Definition Standard
4050101	Inability to provide Air Traffic Services <i>An event involving an Air Traffic Management inability to provide Air Traffic Services.</i>	Failure Air Traffic Services
4050102	Inability to provide AirSpace Management services <i>An event involving an Air Traffic Management inability to provide AirSpace Management services.</i>	Failure ASM
4050103	Inability to provide Air Traffic Flow Management services <i>An event involving an Air Traffic Management inability to provide Air Traffic Flow Management services.</i>	Failure ATFM
4050200	Air Traffic Management/Communication, Navigation and S <i>An event involving an Air Traffic Management or Communication, Navigation and Surveillance failure of communication.</i>	Failure of communication
4050300	Failure of surveillance <i>An event involving an Air Traffic Management or Communication, Navigation and Surveillance failure of surveillance.</i>	Failure of surveillance
4050400	Failure of data processing <i>An event involving an Air Traffic Management or Communication, Navigation and Surveillance failure of data processing.</i>	Failure of data processing
4050500	Failure of support information <i>An event involving an Air Traffic Management or Communication, Navigation and Surveillance failure of support information.</i>	Failure-support information
4050600	Failure to provide navigation <i>An event involving an Air Traffic Management or Communication, Navigation and Surveillance failure to provide navigation.</i>	Failure to provide navigation
4050700	Failure of the power supply <i>An event involving an Air Traffic Management or Communication, Navigation and Surveillance failure of the power supply.</i>	Failure-provide pwr supply
4060000	Air Traffic Management security/emergency situation <i>An event involving a Air Traffic Management security/emergency situation.</i>	ATM emergency situation
4060100	Fire in an Air Traffic Management facility <i>An event involving a fire in an Air Traffic Management facility.</i>	Fire-ATM facility
4060200	Unlawful interference with an Air Traffic Management facili <i>An event involving unlawful interference with an Air Traffic Management facility.</i>	Unlawful interference
4060300	Bomb threat to an Air Traffic Management facility <i>An event involving a bomb threat to an Air Traffic Management facility.</i>	Bomb threat
4060400	Smoke in an Air Traffic Management facility <i>An event involving smoke in an Air Traffic Management facility.</i>	Smoke-ATM facility
4060500	Sabotage of an Air Traffic Management facility <i>An event involving sabotage of an Air Traffic Management facility.</i>	Sabotage-ATM facility
4060600	Other emergency or security event <i>An emergency or security event involving an Air Traffic Management facility other than one of those listed above.</i>	Other event

4070000 **Events affecting Air Traffic Management operations** Events affecting ATM

An event affecting Air Traffic Management operations.

4070100 **Closure of a flight information region** Closure of FIR

An event involving the effect of the closure of a flight information region on Air Traffic Management operations.

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)

4070200 **Closure of an aerodrome** Closure of aerodrome

An event involving the effect of the closure of an aerodrome.

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.

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.

[The note to the above definition appears only in Doc 4444-PANS-RAC.]

(An 2; An 3; An 4; An 6/I; An 6/II; An 11; An 14/I; PANS-RAC)

4070300 **Closure of runway** Closure of runway

An event involving the effect of the closure of a runway on Air Traffic Management operations.

Runway: A defined rectangular area on a land aerodrome prepared for the landing and take-off of aircraft. (An 2, An 3, An 4, An 11, An 14/I, PANS-RAC)

4070400 **Air space capacity reduction** Reduced capacity

An event involving the effect of an air space capacity reduction on Air Traffic Management operations.

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

5020400	Aerodrome markings related event	Markings
<i>An event involving aerodrome markings.</i>		
<i>Marking. A symbol or group of symbols displayed on the surface of the movement area in order to convey aeronautical information.</i>		
5020401	Aerodrome runway marking related event	Runway marking
<i>An event involving an aerodrome's runway marking.</i>		
<i>Marking. A symbol or group of symbols displayed on the surface of the movement area in order to convey aeronautical information.</i>		
5020402	Aerodrome taxiway marking related event	Taxiway marking
<i>An event involving an aerodrome's taxiway marking.</i>		
<i>Marking. A symbol or group of symbols displayed on the surface of the movement area in order to convey aeronautical information.</i>		
5020403	Aerodrome apron marking related event	Apron marking
<i>An event involving an aerodrome's apron marking.</i>		
<i>Marking. A symbol or group of symbols displayed on the surface of the movement area in order to convey aeronautical information.</i>		
5020404	Aerodrome obstacle marking related event	Obstacle marking
<i>An event involving an aerodrome's obstacle marking.</i>		
<i>Obstacle. All fixed (whether temporary or permanent) and mobile objects, or parts thereof, that are located on an area intended for the surface movement of aircraft or that extend above a defined surface intended to protect aircraft in flight.</i>		
<i>Marking. A symbol or group of symbols displayed on the surface of the movement area in order to convey aeronautical information.</i>		
5020500	Aerodrome overrun catch equipment related event	Overrun catch equipment
<i>An event involving an aerodrome's overrun catch equipment.</i>		
5020600	Event related to other aerodrome equipment	Other equipment
<i>An event involving aerodrome equipment other than that mentioned above.</i>		
5030000	Aerodrome services related event	Aerodrome services
<i>An event involving aerodrome services generally.</i>		
5030100	Aerodrome apron management service related event	Apron management
<i>An event involving the aerodrome apron management service.</i>		
5030200	Aerodrome snow/ice removal related event	Snow/ice removal
<i>An event involving the aerodrome snow/ice removal programme.</i>		
5030300	Aerodrome maintenance related event	Maintenance
<i>An event involving the aerodrome maintenance.</i>		
5040000	Aerodrome functioning or layout related event	Functioning/layout generally
<i>An event involving the aerodrome functioning or layout generally.</i>		
5040100	Aerodrome layout related event	Layout
<i>An event involving the aerodrome layout.</i>		
5040200	Aerodrome function related event	Function
<i>An event involving the functioning of the aerodrome.</i>		

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

CAA

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

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>		

99000000	Unknown	Unknown
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Something happenend but the details are not known or insufficient to permit a more detailed classification.

99010000	Missing aircraft	Missing aircraft
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The aircraft is considered missing when the official search has been terminated.