

Introduction

The table below provides a link between the articles of the regulation 2015/1018 and the terminology used in ECCAIRS 5. The purpose is to provide guidance for the classification of occurrences.

General recommendation

Provide as many events as required to fully describe what happened in the occurrence:

- those events that describe the preconditions,
- the ones that describe the occurrence itself , and
- those that describe any outcomes and consequences.
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Please provide these events in time sequence.

The regulation does not mandate the provision of the related phases of operation, nevertheless it should be noted that without information in which flight phase the events occurred, in many cases proper analysis will impossible.

Data is being collected not to be stored and forgotten, but to be analysed to develop preventive actions. Only when reliable and complete data is at hand, the analysis can be reliable.

Short Reference to Regulation 2015/1018	Regulation 2015/1018 – Reference text	Suggested classification	Comments / explanations	Quality rule concerns	Possible Occurrence Category
	ANNEX I				
AN 1	OCCURRENCES RELATED TO THE OPERATION OF THE AIRCRAFT				
AN 1-1	1. AIR OPERATIONS				
AN1-1.1	1.1. Flight preparation			Should relate to a pre-flight phase	OTHR
AN1-1.1.1	(1) Use of incorrect data or erroneous entries into equipment used for navigation or performance calculations which has or could have endangered the aircraft, its occupants or any other person.	Aircraft information, Event: 99010355 - Data Entry Error	No other “data” related event at hand. Consider splitting the event to match the text in the regulation, consider data entry – handling errors related to other domains		
AN1-1.1.2	(2) Carriage or attempted carriage of dangerous goods in contravention of applicable legislations including incorrect labelling, packaging and handling of dangerous goods.	Select any of the following events as applicable: 99010222 - Dangerous Goods Handling and Loading 99010287 - Dangerous Goods Damaged 99010286 - Dangerous Goods Exceeds Storage Compartment Limitations 99010294 - Dangerous Goods Packaging 99010288 - Dangerous Goods Forbidden 99010289 - Dangerous Goods Labelling/ Marking 99010299 - Dangerous Goods Undeclared		Require DG description, i.e. completion of the topic “Dangerous goods”	ADRM
AN1-1.2	1.2. Aircraft preparation		No related general event type exists.		OTHR
AN1-1.2.1	(1) Incorrect fuel type or contaminated fuel.	Select any of the following events as applicable: 99010247 - Contaminated Fuel Loaded 99010249 - Fuel Bowser Contaminated 99010251 - Fuel Storage Tank Contaminated 99010253 - Incorrect Fuel Type Loaded		Note: similar requirement under aerodrome ops. Align with flight phases – not in the air – internal consistency rules	ADRM
AN1-1.2.2	(2) Missing, incorrect or inadequate De-icing/Anti-icing treatment.	Event type 5050200 - De-icing If wrong agent was used : 99010246 - Wrong De-icing Agent Used		Align with flight phases – not in the air ADRM	ADRM

AN1-1.3	1.3. Take-off and landing				
AN1-1.3.1	(1) Taxiway or runway excursion.	<p>Select any of the following events as applicable:</p> <p>2070200 - Taxiway excursion 2070100 - Runway excursion to the side 2070400 - The aircraft ran off the end of the runway Provide information on aerodrome, runway, taxiway as applicable as well as location on aerodrome information – attribute 641</p>		<p>Align operational phases with event types.</p> <p>Airport – runway data package should be available</p> <p>RE for take-off and landing, OTHR otherwise</p> <p>Require phases related to operation on the runway - taxiway</p>	OTHR / RE depending on event type
AN1-1.3.2	(2) Actual or potential taxiway or runway incursion.	<p>Select any of the following events as applicable:</p> <p>2200103 – Runway incursion by a person 2200102 – Runway incursion by a vehicle/equipment 2200101 – Runway incursion by an aircraft 2200203 – Taxiway incursion by a person 2200202 – Taxiway incursion by a vehicle/equipment 2200201 – Taxiway incursion by an aircraft</p> <p>Provide information on aerodrome, runway, taxiway as applicable as well as location on aerodrome information – attribute 641 Provide background incursion data: Geometry of the encounter, Entities involved in a runway incursion Evasive or corrective action The estimated horizontal distance between aircraft and/or vehicle Movement profile The severity classification for runway incursions (incidents) The estimated vertical distance between aircraft and/or vehicle</p>	<p>Consideration should be given to rename the runway incursion background data by dropping the word “runway” in order to make them applicable to all types of incursions</p> <p>Note: the event “incursion” must be linked to the “incurrer” as per definition of “incursion” – “Any occurrence at an aerodrome involving the incorrect presence of an aircraft, vehicle, or person on the protected area of a surface designated for the landing and take-off of aircraft”</p>	<p>Check on data for incursion severity estimation</p> <p>Airport data package</p>	RI / OTHR
AN1-1.3.3	(3) Final Approach and Take-off Area (FATO) incursion.	<p>Select any of the following events as applicable:</p> <p>99010382 - FATO Incursion by a Person 99010383 - FATO Incursion by a Vehicle/ Equipment 99010381 - FATO Incursion by an Aircraft</p>		Check on data for incursion severity estimation	RI

		<p>Provide information on aerodrome, runway, taxiway as applicable as well as location on aerodrome information – attribute 641</p> <p>Provide background incursion data: Geometry of the encounter, Entities involved in a runway incursion Evasive or corrective action The estimated horizontal distance between aircraft and/or vehicle Movement profile The severity classification for runway incursions (incidents) The estimated vertical distance between aircraft and/or vehicle</p>		Airport data package	
AN1-1.3.4	(4) Any rejected take-off.	<p>Select any of the following events as applicable:</p> <p>3030100 - High speed rejected take-off (at and above V1) 3030200 - Low speed rejected take-off (below V1)</p> <p>These events are consequences of something else that has happened before. It is essential that any triggering event be captured as well.</p> <p>In addition, provide the event preceding / causing / triggering the rejection of the take-off. Provide information on aerodrome, runway, as applicable as well as location on aerodrome information – attribute 641</p>		<p>Occ cat depending on the lead event.</p> <p>Check for existence of preceding event</p> <p>Check for speed at first event</p>	Category depending on the lead even(s)
AN1-1.3.5	(5) Inability to achieve required or expected performance during take-off, go-around or landing.	<p>Event type: 1010100 - Degraded performance (ATA Code:0101)</p> <p>Where possible also include the event that describes the degradation in the performance in more detail</p>	Check for preceding event, check alignment with phases of ops		Category depending on the lead event(s)
AN1-1.3.6	(6) Actual or attempted take-off, approach or landing with incorrect configuration setting.	<p>Provide applicable flight phase(s) Event type 99010354 - Configuration Setting Error If a related warning system was triggered, also provide 2260200 - Genuine configuration warning triggered</p> <p>In those cases, where the warning system failed to alert provide any of the following event types as applicable: 9010978 - Flap Configuration Warning System Failure 99010979 - Gear Configuration Warning System Failure 99010980 - Speedbrake Configuration Warning System</p>	Check for preceding event, check alignment with phases of ops		OTHR

		<p>Failure</p> <p>99010981 - Take Off Configuration Warning System Failure</p> <p>99010982 - Trim Configuration Warning System Failure</p> <p>99010983 - Other Configuration Warning System Failure</p>			
AN1-1.3.7	(7) Tail, blade/wingtip or nacelle strike during take-off or landing.	<p>Select any of the following events as applicable:</p> <p>2010300 - Dragged wing/rotor/pod/float</p> <p>2010900 - Over-rotation - tail scrape/strike</p> <p>Note: Do not use 2061500 - Damage caused by an object striking the Propeller or Rotor, as this relates to “An event involving damage caused to the helicopter when it was struck by its main rotor blade, this includes e.g. damage to the tail boom by the main rotor when too much cyclic is applied.”</p>	Event type for a propeller strike is missing.		ARC
AN1-1.3.8	(8) Approach continued against air operator stabilised approach criteria.	<p>Select any of the following events as applicable:</p> <p>2011000 - Unstabilised Approach</p> <p>99010146 - Landing Following Unstabilised Approach</p>		Align with flight phase	OTHR
AN1-1.3.9	(9) Continuation of an instrument approach below published minimums with inadequate visual references.	<p>Event type</p> <p>3090000 - An approach below minima</p> <p>Note: This event is a consequence of something else that has happened before. It is essential that any triggering event be captured as well.</p>			CFIT
AN1-1.3.10	(10) Precautionary or forced landing.	<p>Select any of the following events as applicable:</p> <p>3010000 - Precautionary Landing</p> <p>3080000 - Forced landing</p> <p>These events are consequences of something else that has happened before. It is essential that any triggering event be captured as well.</p> <p>Provide information on the location – attribute 641</p>			Category depending on the lead even(s)
AN1-1.3.11	(11) Short and long landing.	<p>Select any of the following events as applicable:</p> <p>2010800 - Landing – Undershoot</p> <p>2011400 - Landing - Deep</p>	Consider updating text top long/deep to align with legislation		USOS (short) or ARC (long, but on the rwy surface)
AN1-1.3.12	(12) Hard landing.	Event type			ARC

		2010600 - Hard landing			
AN1-1.4	1.4. Any phase of flight				
AN1-1.4.1	(1) Loss of control.	Event type 2080000 - Upset or Deviation from intended flight path/attitude by an aircraft			LOC-I, LOG-G depending on flight phase
AN1-1.4.2	(2) Aircraft upset, exceeding normal pitch attitude, bank angle or airspeed inappropriate for the conditions.	Event type 2080000 - Upset or Deviation from intended flight path/attitude by an aircraft			LOC-I, LOG-G depending on flight phase
AN1-1.4.3	(3) Level bust.	Event: 2020517 - Deviation from clearance - assigned flight level/altitude, also known as altitude bust or level bust			
AN1-1.4.4	(4) Activation of any flight envelope protection, including stall warning, stick shaker, stick pusher and automatic protections.	Select any of the following events as applicable: 99010131 - Bank angle warning triggered 99010392 - Envelope Protection Warning 99010395 - Overspeed Warning 2260500 - Stall warning triggered			LOC-I, LOG-G depending on flight phase
AN1-1.4.5	(5) Unintentional deviation from intended or assigned track of the lowest of twice the required navigation performance or 10 nautical miles.	Select any of the following events as applicable 99010613 - Unintended Action In conjunction with 2170400 - Navigation track error 2020518 - Deviation from clearance - assigned route/track/heading			NAV
AN1-1.4.6	(6) Exceedance of aircraft flight manual limitation.	Event: 99010322 - Operation Outside Aircraft Limitations			OTHR
AN1-1.4.7	(7) Operation with incorrect altimeter setting.	Event: 99010352 - Operation with Incorrect Altimeter Setting			OTHR
AN1-1.4.8	(8) Jet blast or rotor and prop wash occurrences which have or could have endangered the aircraft, its occupants or any other person.	Select any of the following events as applicable 2060600 - Damage caused by propeller/rotor/jet blast 2150300 - Injuries received from contact with a propeller blast, helicopter rotor downwash or jet blast 99010398 - Jet Blast Encounter			RAMP (if during ground handling)
AN1-1.4.9	(9) Misinterpretation of automation mode or of any flight deck information provided to the flight crew which has or could have endangered the aircraft, its occupants or any other person.	Select any of the following events as applicable 99010310 - Control of Automated Flight Path 99010312 - Control of Transition Between Manual and Automated Flight 99012036 - Interpretation of Automation or Flight Deck Information			OTHR
AN1-1.5	1.5. Other types of occurrences				
AN1-1.5.1	(1) Unintentional release of cargo or other externally carried equipment.	Event type 99010613 - Unintended Action In conjunction with 99012037 - External Load – Release			EXTL
AN1-1.5.2	(2) Loss of situational awareness (including	Select any of the following events as applicable			NAV (navigation)

	environmental, mode and system awareness, spatial disorientation, and time horizon).	99010162 - Personnel - Situational Awareness and Sensory Events 99010590 - Geographic Disorientation (lost) 99010595 - Perception of Visual Information - Illusion/Disorientation 99010596 - Spatial Disorientation			disorientation) or LOC-I (spatial disorientation)
AN1-1.5.3	(3) Any occurrence where the human performance has directly contributed to or could have contributed to an accident or a serious incident.	Select the appropriate detail from the list under 99010159 - Personnel Events Also include events that describe the detailed nature of the occurrence	Quite vague, Should be used in conjunction with an event type that explained what occurred.		Various, depending on the event types
AN1-2	2. TECHNICAL OCCURRENCES				
AN1-2.1	2.1. Structure and systems				
AN1-2.1.1	(1) Loss of any part of the aircraft structure in flight.	Select any of the following events as applicable 2160202 - An identified component falling off the aircraft 2160201 - A panel falling off the aircraft 2160203 - Unidentified component falling off the aircraft 9010230 - Damage to aircraft caused by the aircraft itself 99011185 - 4910 APU Cowling Separation 99011212 - 4980 APU Exhaust System Separation 99011239 - Crew Door Separation 1520102 - Passenger Door Separation 99011250 - Emergency Exit Separation 99011268 - 5242 Electrical Compartment Door Separation 99011273 - 5243 Hydraulic Compartment Door Separation 99011278 - 5244 Accessory Compartment Door Separation 99011283 - 5245 Air Conditioning Compartment Door Separation 99011288 - 5246 Fluid Service Door Separation 99011263 - 5241 Galley Door Separation 99011293 - 5247 APU Door Separation 99011298 - 5248 Tail Cone Door Separation 99011318 - Main Landing Gear Door Separation 99011323 - Nose Landing Gear Door Separation 99011329 - Rotorcraft Tail Boom Separation 99011362 - Plate/ Skin/ Panel Separation 99011389 - Nose Cone Separation 99011397 - Radome Separation 99011396 - Tail Cone Separation 99011411 - 5414 Nacelle Plate/ Skin Separation 99011418 - 5416 Nacelle Fairing Separation 99011425 - 5512 Horizontal Stabiliser Plates/ Skin Separation			SCF-NP except for engine separation

		<p>99011435 - 5522 Elevator Plates/ Skin Separation 99011439 - 5523 Elevator Tab Separation 99011446 - 5532 Vertical Stabiliser Plates/ Skin Separation 99011456 - 5542 Rudder Plates/ Skin Separation 99011477 - 5561 Stabiliser Fairing Separation 1560101 - Flight Compartment Window Separation 99011486 - Canopy Separation 99011496 - Passenger Compartment Window Separation 99011541 - 5753 Trailing Edge Flap Separation 99011545 - 5754 Leading Edge Device Separation 99011513 - Wing Fairing Separation 99011525 - Wing Plates/ Skins Separation 99011550 - 5761 Aileron Separation 99011554 - 5762 Aileron Tab Separation 99011652 - Engine Cowling Separation</p>			
AN1-2.1.2	(2) Loss of a system.	Select the related event type a search for "loss or unavailability"	Overly general, no general related event type at hand, however numerous specific events can be found under the relevant systems		SCF-NO
AN1-2.1.3	(3) Loss of redundancy of a system.	Select the related event type a search for "loss or unavailability"	Aspect of redundancy is not covered in the event types.		SCF-NP
AN1-2.1.4	(4) Leakage of any fluid which resulted in a fire hazard or possible hazardous contamination of aircraft structure, systems or equipment, or which has or could have endangered the aircraft, its occupants or any other person.	Select any of the following events as applicable 1280100 - Fuel leak (ATA Code:2801) 99011737 - Engine Fuel Leak 99011827 - Engine Oil Storage Leak 99012038 – 2901 Hydraulic leak	Aspects related to "hazardous contamination" cannot be captured		SCF-NP
AN1-2.1.5	(5) Fuel system malfunctions or defects, which had an effect on fuel supply and/or distribution.	Select the appropriate event type under 2800 – fuel system or 7300 engine fuel system			SCF-NP is there is no impact on the engine, FUEL, if there is
AN1-2.1.6	(6) Malfunction or defect of any indication system when this results in misleading indications to the crew.	Select the event type related to the involved indicating system based on search for "indica". There are too many such event to be listed here in detail.	N		SCF-NP
AN1-2.1.7	(7) Abnormal functioning of flight controls such as asymmetric or stuck/jammed flight controls (for example: lift (flaps/slats), drag (spoilers), attitude control (ailerons, elevators, rudder) devices).	Select the event type related to the involved flight control system (under 2700) or select the involved structural component under 1550000 - Aircraft empennage structure related event (ATA Code:5500) or 1570000 - Aircraft wing structure related event (ATA Code:5700)			SCF-NP

AN1-2.2	2.2. Propulsion (including engines, propellers and rotor systems) and auxiliary power units (APUs)	Select any of the following events as applicable 1610000 - Propellers related event (ATA Code:6100) 1620000 - Rotorcraft main rotor systems related event (ATA Code:6200) 1630000 - Main rotor drive system related event (ATA Code:6300) 640000 - Rotorcraft tail rotor system related event (ATA Code:6400) 1650000 - Tail rotor drive system related event (ATA Code:6500) 1720000 - Turbine engine related event (ATA Code:7200) 850000 - Reciprocating engine related event (ATA Code:8500)	Too general, need to list individual system,		SCF-PP (with the exception of APU related events which should be SCF-NP)
AN1-2.2.1	(1) Failure or significant malfunction of any part or controlling of a propeller, rotor or powerplant.	Select any of the following events as applicable 99011569 - 6120 Propeller Control System 99011571 - 6130 Propeller Braking System 99011571 - 6130 Propeller Braking System 99011643 - 6720 Anti-Torque (Yaw) Rotor Control System 1760000 - Engine controls related event (ATA Code:7600)	Note: there is a need to align the structure of the text: Suggest ATA codes to be always in the beginning followed by the explanatory text		SCF-PP
AN1-2.2.2	(2) Damage to or failure of main/tail rotor or transmission and/or equivalent systems.	Select any of the following events as applicable 1632000 - 6320 Main Rotor Gearbox/ Transmission 99011598 - 6330 Main Rotor Transmission Mount 1650000 - Tail rotor drive system related event (ATA Code:6500) 1651000 - Tail rotor drive shaft related event (ATA Code:6510)	Note: there is a need to align the structure of the text: Suggest ATA codes to be always in the beginning followed by the explanatory text		SCF-PP
AN1-2.2.3	(3) Flameout, in-flight shutdown of any engine or APU when required (for example: ETOPS (Extended range Twin engine aircraft Operations), MEL (Minimum Equipment List)).	Select any of the following events as applicable 3280100 - Engine shutdown - precautionary (soft) 3280200 - Engine shutdown (hard) 99012039 - APU Shutdown Note: the "shutdown" events are "outcomes". The reason for the shutdown should be captured in an event type that precedes the "shutdown" event type			SCF-PP (engine) or SCF-NP (APU)
AN1-2.2.4	(4) Engine operating limitation exceedance, including overspeed or inability to control the speed of any high-speed rotating component (for example: APU, air starter, air cycle machine, air turbine motor, propeller or rotor).	Select any of the following events as applicable 99011563 - Propeller Overspeed 1720101 - Turbine Engine Overspeed 1850101 - Reciprocating Engine Overspeed 99011193 - 4930 APU Fuel and Control System 99010680 - 2110 - Air Conditioning Compression System Events (note the "air cycle machine" is not covered, use	Note: Under "99011193 - 4930 APU Fuel and Control System" only issues related to the APU fuel system are provided, issues related to APU control are not at		SCF-PP (engine) or SCF-NP (APU)

		the overall system code instead.)	hand. Note: RAT overspeed – no event type at hand		
AN1-2.2.5	(5) Failure or malfunction of any part of an engine, powerplant, APU or transmission resulting in any one or more of the following: (a) thrust-reversing system failing to operate as commanded; (b) inability to control power, thrust or rpm (revolutions per minute); (c) non-containment of components/debris.	Select any of the following events as applicable 99011570 - 6120 Propeller Reverse Thrust/ Beta Range Control Failure 99011821 - Thrust Reverser Erroneous Operation 99011822 - Thrust Reverser Loss or Unavailability 99011187 - 4910 APU Uncontainment 1720101 - Turbine Engine Overspeed 1720102 - Turbine Engine Non Containment of High Energy Debris 99011869 - Reciprocating Engine Asymmetric Thrust or Thrust in Opposite Direction 1850101 - Reciprocating Engine Overspeed 1850102 - Reciprocating Engine Non Containment of High Energy Debris			SCF-PP (engine) or SCF-NP (APU)
AN1-3	3. INTERACTION WITH AIR NAVIGATION SERVICES (ANS) AND AIR TRAFFIC MANAGEMENT (ATM)				ATM
AN1-3.1	(1) Unsafe ATC (Air Traffic Control) clearance.	Select any of the following events as applicable 99012040 - ATC Clearance Unsafe 4010704 - Clearance - wrong aircraft 99010092 - Clearance - not suitable for aircraft 4010701 - Clearance - wrong altitude 4010702 - Clearance - wrong heading 4010703 - Clearance - wrong speed			ATM
AN1-3.2	(2) Prolonged loss of communication with ATS (Air Traffic Service) or ATM Unit.	99010347 - Prolonged Loss of Communication			SWCF-NP (equipment), ATM if ATM induced
AN1-3.3	(3) Conflicting instructions from different ATS Units potentially leading to a loss of separation.	Select any of the following events as applicable 99010173 - Conflict with/ between Facilities 99010174 - Conflict with/ between Sectors 99010175 - Conflict with/ between Watches	Note: No specific event at hand.		ATM
AN1-3.4	(4) Misinterpretation of radio-	Select any of the following events as applicable			ATM

	communication which has or could have endangered the aircraft, its occupants or any other person.	99012041 - Flight Crew Interpretation of Communications 99010195 - ATM Personnel Hearback 99010196 - ATM Personnel Readback 2020300 - Communications between flight crew and air navigation service related event 99010344 - Flight Crew Response to Communications 99010617 - Interpretation/ Understanding			
AN1-3.5	(5) Intentional deviation from ATC instruction which has or could have endangered the aircraft, its occupants or any other person.	Event: 2020500 - Deviation from an air traffic control clearance or any of the event types listed in the taxonomy below this event.			NAV
AN1-4	4 EMERGENCIES AND OTHER CRITICAL SITUATIONS				
AN1-4.1	(1) Any event leading to the declaration of an emergency ('Mayday' or 'PAN call').	Select any of the following events as applicable 3020200 - Declared emergency - Urgency (PAN call) 3020100 - Declared emergency - Distress (Mayday) Note: These event describe the "outcome". Also enter the events that preceded the declaration of the emergency.			Occurrence category depending on events leading to the emergency call
AN1-4.2	(2) Any burning, melting, smoke, fumes, arcing, overheating, fire or explosion.	Select the appropriate event from the list under 990100 - Aircraft General Explosions / Fire/ Fumes / Smoke Outcome Events Note: These event describe the "outcome". Also enter the events that preceded the fire/smoke etc.			F-NI
AN1-4.3	(3) Contaminated air in the cockpit or in the passenger compartment which has or could have endangered the aircraft, its occupants or any other person.	Select any of the following events as applicable: 1990122 - Fumes – Cockpit 99010088 - Fumes - Crew rest compartment 1990123 - Fumes - Passenger cabin 1990125 - Fumes – Galley 99010089 - Fumes - Oven 1990126 - Fumes – Lavatory 99011882 - Fumes – PEDs 1990132 - Smoke – Cockpit 99010087 - Smoke - Crew rest compartment 1990135 - Smoke – Galley 99011885 - Smoke – IFE 1990136 - Smoke – Lavatory 99010090 - Smoke - Oven 1990142 - Smell - Cockpit - the presence of an unusual (not electrical) smell in the cockpit 990143 - Smell - Passenger cabin - the presence of an unusual (not electrical) smell in the Passenger cabin	No specific event type at hand		For smoke – F-NI, otherwise SCF-NP if component causing the smell etc can be identified.

		990146 - Smell - Lavatory - the presence of an unusual (not electrical) smell in the lavatory 99011890 - Smell- IFE 99011892 - Smell- PEDs			
AN1-4.4	(4) Failure to apply the correct non-normal or emergency procedure by the flight or cabin crew to deal with an emergency.	99012043 - Use of Emergency Procedure			
AN1-4.5	(5) Use of any emergency equipment or non-normal procedure affecting in-flight or landing performance.	Select any of the following events as applicable: 99012042 - Use of Emergency Equipment 99010357 - Incorrect Use of Emergency Equipment	Aspects related to “affecting in-flight or landing performance” cannot be captured		OTHR
AN1-4.6	(6) Failure of any emergency or rescue system or equipment which has or could have endangered the aircraft, its occupants or any other person.	Select any of the following events as applicable: 99010005 - 2560 Emergency equipment related event 99010835 - 2590 Emergency Clothing Events 99011029 - 3350 Emergency Lighting System Events 99011244 - 5220 Emergency Exit			SCF-NP
AN1-4.7	(7) Uncontrollable cabin pressure.	Select any of the following events as applicable: 99012044 - 2131 Cabin Pressure Uncontrollable 99010690 - 2131 Cabin Decompression 99010691 - 2131 Cabin Fails to Pressurise 99010692 - 2131 Cabin Over Pressurisation 99010695 - 2133 Cabin Pressure Regulator/ Outflow Valve Failure 99010697 - 2134 Cabin Pressure Sensor Erroneous Operation 99010696 - 2134 Cabin Pressure Sensor Loss or Unavailability			SCF-NP
AN1-4.8	(8) Critically low fuel quantity or fuel quantity at destination below required final reserve fuel.	Select the appropriate event from the list below 99010072 - Low fuel level warning triggered In cases where the landing with a reserve was the result of a preceding event, use the event type from the list of “outcome events”: 99010058 - Landing with a fuel reserve less than required by regulation			FUEL
AN1-4.1-9	(9) Any use of crew oxygen system by the crew.	Select any of the following events as applicable: 99010335 - Release/ Use of Oxygen Masks (Flight Crew) 99010336 - Release/ Use of Oxygen Masks (Passengers and Cabin Crew)			Category depends on the events preceding the use of oxygen, likely SCF-NP
AN1-4.10	(10) Incapacitation of any member of the flight or cabin crew that results in the	Select any of the following events as applicable:	Need to use combination of events to		MED

	reduction below the minimum certified crew complement.	#2040100 - Flight crew incapacitation/illness/medical issue 2030600 - Cabin crew medical or incapacitation 99010560 - Personnel Impairment and Incapacitation Events In conjunction with 7030100 - Crew or Staff Below Regulatory Requirement Which should be coded following the events describing the incapacitation.	capture full meaning, no new event type proposed – would be too detailed		
AN1-4.1-11	(11) Crew fatigue impacting or potentially impacting their ability to perform safely their flight duties.	Select 99010559 - Fatigue			Category depends on the events describing the consequences of the fatigue
AN1-5	5. EXTERNAL ENVIRONMENT AND METEOROLOGY				
AN1-5.1	(1) A collision or a near collision on the ground or in the air, with another aircraft, terrain or obstacle	Select the appropriate event type from the lists under 2180000 - Airborne collisions and near collisions in the air 2050400 - Aircraft collisions and near collisions with object/obstacle on ground 2050200 - An aircraft collision with the terrain or obstacles whilst in the air			GCOLL (if on the ground) MAC – Collision aircraft – aircraft in the air CFIT for controlled collision with obstacles etc, CTOL – collisions with obstacles during take-off landing , e.g. tree in the take-off path
AN1-5.2	(2) ACAS RA (Airborne Collision Avoidance System, Resolution Advisory).	99010391 - ACAS/ TCAS RA			MAC
AN1-5.3	(3) Activation of genuine ground collision system such as GPWS (Ground Proximity Warning System)/TAWS (Terrain Awareness and Warning System) ‘warning’.	Select any of the following events as applicable: 2260300 - TAWS/ GPWS Caution Warning 99010396 - TAWS/ GPWS Pull Up Warning			CFIT
AN1-5.4	(4) Wildlife strike including bird strike.	Select any of the following events as applicable: 99010152 - Birdstrike or Wildlife Strike Damage 2050301 - Aircraft collision with bird/bird strike 2140100 - Turbine engine ingestion – bird			WILD, BIRD

		2180301 - Near collision with a bird 99010122 - Near collision with an animal 2050402 - Aircraft collision with an animal			
AN1-5.5	(5) Foreign object damage/debris (FOD).	Select any of the following events as applicable: 2060200 - Aircraft damage caused by foreign object (FOD). 99011699 - Compressor Blade FOD Damage 99011726 - Fan Blade FOD Damage			ADRM (if related to an aerodrome)
AN1-5.6	(6) Unexpected encounter of poor runway surface conditions.	Select: 99011941 - Poor Runway Condition in case permanent poor runway conditions. In case of poor conditions due to environmental conditions select as appropriate from: 99010397 - Aquaplaning Encounter 99010400 - Snow/ Slush Encounter	The aspect of "unexpected" cannot be covered		ADRM
AN1-5.7	(7) Wake-turbulence encounters.	2220400 - Aircraft encountered vortex/wake turbulence			TURB
AN1-5.8	(8) Interference with the aircraft by firearms, fireworks, flying kites, laser illumination, high powered lights, lasers, Remotely Piloted Aircraft Systems, model aircraft or by similar means.	Select: 2270000 - Interference with aircraft Or, if more detail is available, select a matching event type from the list below this event type.			SEC
AN1-5.9	(9) A lightning strike which resulted in damage to the aircraft or loss or malfunction of any aircraft system.	99010229 - Aircraft damage caused by lightning strike Note: use 2222000 - Lightning strike – in case there was no damage			WSTRW
AN1-5.10	(10) A hail encounter which resulted in damage to the aircraft or loss or malfunction of any aircraft system.	99010228 - Hail Damage Note: use 2221300 - Hail encounter in case there was no damage			
AN1-5.11	(11) Severe turbulence encounter or any encounter resulting in injury to occupants or deemed to require a 'turbulence check' of the aircraft.	Select the appropriate event type from the lists under 99010233 - Turbulence Damage 2150100 - Injuries from turbulence 2220600 - Aircraft encounter with turbulence			TURB
AN1-5.12	(12) A significant wind shear or thunderstorm encounter which has or could have endangered the aircraft, its occupants or any other person.	Select any of the following events as applicable: 2220200 - Aircraft encountered windshear			WSTRW
AN1-5.13	(13) Icing encounter resulting in handling difficulties, damage to the aircraft or loss or malfunction of any aircraft system.	Select any of the following events as applicable: 2220100 - Aircraft encountered icing conditions 2140300 - Ingestion - ice And encode any additional aspect using the event types for the involved systems or handling difficulties.	Note: no specific event type for the unspecific "handling difficulties" – could be added under "outcome" events, Ice ingestion – possibility of this resulting from icing conditions		ICE

			encounter		
AN1-5.14	(14) Volcanic ash encounter.	2220300 - Aircraft encountered volcanic ash			OTHR
AN1-6	6. SECURITY				SEC
AN1-6.1	(1) Bomb threat or hijack.	2230100 - Bomb warning/scare 2230200 - Hijacking			SEC
	(2) Difficulty in controlling intoxicated, violent or unruly passengers.	2230500 - Difficult / unruly passenger			SEC
	(3) Discovery of a stowaway.	2230600 - Stowaway			SEC
	ANNEX II				
AN2	OCCURRENCES RELATED TO TECHNICAL CONDITIONS, MAINTENANCE AND REPAIR OF THE AIRCRAFT		Note: No specific event at hand.,		
AN2-1	1. MANUFACTURING Products, parts or appliances released from the production organisation with deviations from applicable design data that could lead to a potential unsafe condition as identified with the holder of the type-certificate or design approval	99012034 - Aircraft Production			
AN2-2	2. DESIGN Any failure, malfunction, defect or other occurrence related to a product, part, or appliance which has resulted in or may result in an unsafe condition.	99012033 - Aircraft Design			
AN2-3	3. MAINTENANCE AND CONTINUING AIRWORTHINESS MANAGEMENT				
AN2-3.1	(1) Serious structural damage (for example: cracks, permanent deformation, delamination, debonding, burning, excessive wear, or corrosion) found during maintenance of the aircraft or component.	Use event type describing the involved component/ system in conjunction with the appropriate "maintenance" phase of operation	Quite general requirement		SCF-NP
AN2-3.2	(2) Serious leakage or contamination of fluids (for example: hydraulic, fuel, oil, gas or other fluids).	Select any of the following events as applicable in conjunction with the appropriate "maintenance" phase of operation			SCF-NP

		1280100 - Fuel leak (ATA Code:2801) 99011737 - Engine Fuel Leak 99011827 - Engine Oil Storage Leak 99012038 - 2901 Hydraulic Leak			
AN2-3.3	(3) Failure or malfunction of any part of an engine or powerplant and/or transmission resulting in any one or more of the following: (a) non-containment of components/debris; (b) failure of the engine mount structure.	Select any of the following events as applicable 99011687 - Turbine Engine Separation 1720102 - Turbine Engine Non Containment of High Energy Debris 1850102 - Reciprocating Engine Non Containment of High Energy Debris 99011871 - Reciprocating Engine Separation 99011187 - 4910 APU Uncontainment			SCF-PP
AN2-3.4	(4) Damage, failure or defect of propeller, which could lead to in-flight separation of the propeller or any major portion of the propeller and/or malfunctions of the propeller control.	Select any of the following events as applicable 1610102 - 6111 Propeller Blade Separation 99011569 - 6120 Propeller Control System 1610120 - 6120 Propeller Control Autofeather/ Pitch Lock Failure 1610101 - Propeller Over-Speed 99011570 - 6120 Propeller Reverse Thrust/ Beta Range Control Failure			SCF-PP
AN2-3.5	(5) Damage, failure or defect of main rotor gearbox/attachment, which could lead to in-flight separation of the rotor assembly and/or malfunctions of the rotor control.	Select any of the following events as applicable 99011580 - Main Rotor Blade Separation/ Failure 99011581 - Main Rotor Blade Control Rod Failure 99011586 - Main Rotor Hinge Failure 99011587 - Main Rotor Hub Failure 99011638 - 6710 Main Rotor Control System 99011639 - Collective Control Restriction 99011640 - Collective Control Loss or Unavailability 99011641 - Cyclic Control Restriction 99011642 - Cyclic Control Loss or Unavailability	Note duplicate event types: 99011578 - Main Rotor Blade Damage 99011582 - Main Rotor Blade Damage 99011579 - Main Rotor Blade Delamination 99011583 - Main Rotor Blade Delamination		SCF-PP SCF-NP (tail rotor)

			99011580 - Main Rotor Blade Separation/ Failure 99011584 - Main Rotor Blade Failure		
AN2-3.6	(6) Significant malfunction of a safety-critical system or equipment including emergency system or equipment during maintenance testing or failure to activate these systems after maintenance.	For events related to errors found during testing, use the appropriate event type for the system or component involved in conjunction with the related maintenance phase of operation. For the aspect of "failure to activate..." select the appropriate event type from the list below: 99010413 - Activation of Systems after Fault Isolation 99010425 - Activation of Systems after Installation			SCF-NP
AN2-3.7	(7) Incorrect assembly or installation of components of the aircraft found during an inspection or test procedure not intended for that specific purpose.	Select any of the events below in conjunction with the appropriate "maintenance" phase of operation. 99010410 - Incorrect Assembly of Parts or Components 99010431 - Incomplete Installation 99010432 - Mis-Rigging 99010436 - Wrong Orientation of Installation	The aspect of "not intended for that specific purpose" cannot be captured		
AN2-3.8	(8) Wrong assessment of a serious defect, or serious non-compliance with MEL and Technical logbook procedures.	Select any of the events below in conjunction with the appropriate "maintenance" phase of operation. 99010439 - Incorrect Assessment of Defect or Fault 99010073 - Monitoring of MEL Interval Expiration 99010434 - Unapproved Modification Carried Out	Note: aspect of non-compliance with maintenance procedures cannot be captured, only certain aspects resulting from a non-compliance.		
AN2-3.9	(9) Serious damage to Electrical Wiring Interconnection System (EWIS).	Select the appropriate event type from the list below in conjunction with the related maintenance phase of operation 1240000 - Electrical power system related event (ATA Code:2400) 99010676 - Miscellaneous Wiring Failure 99010677 - Miscellaneous Wiring Chaffing 99010787 - AC Wiring Arching 99010788 - AC Wiring Damage 99010793 - DC Wiring Arching 99010794 - DC Wiring Damage			SCF-NP
AN2-3.10	(10) Any defect in a life-controlled critical part causing retirement before completion of its full life.	Select the related system/ component related type. Complete the component related details (e.g. via completing the topic "parts" under the topic aircraft in the operational – full view of the data)	Note: the aspect of life controlled part cannot be captured		SCF-NP
AN2-3.11	(11) The use of products, components or materials, from unknown, suspect	Select the appropriate event type from the list under in conjunction with the related maintenance phase of			

	origin, or unserviceable critical components.	operation 99010119 - Bogus Part Accepted as Serviceable 99010405 - Delivery of Unserviceable Part 99010408 - Unserviceable/Quarantine Components Accepted as Serviceable (includes docs) 99010118 - Suspect/bogus part installed 99010435 - Unserviceable Part Installed			
AN2-3.12	(12) Misleading, incorrect or insufficient applicable maintenance data or procedures that could lead to significant maintenance errors, including language issue.	Select the appropriate event type from the below in conjunction with the related maintenance phase of operation 99010528 - Component Documentation Missing 99010531 - Documentation of Non-Executed Maintenance 99010117 - Incorrect Procedure/Documentation Used for Maintenance 99010532 - Incorrect Procedure/Documentation Used for Maintenance 99010529 - Maintenance Not Matching Documentation 99010530 - Maintenance Not Recorded 99010534 - Out of Date Procedure/ Documentation Used for Maintenance 99010535 - Release to service documentation missing	.Note: Very general		
AN2-3.13	(13) Incorrect control or application of aircraft maintenance limitations or scheduled maintenance.	Select the appropriate event type from the list below in conjunction with the related maintenance phase of operation 99010446 - Maintenance Task Planning 99010447 - Monitoring of Maintenance Task			
AN2-3.14	(14) 1. Releasing an aircraft to service from maintenance in case of any non-compliance which endangers the flight safety.	Select the applicable event type from the list under 7050000 - Aircraft related regulatory event/issue	Note: Very general.		
AN2-3.15	(15) Serious damage caused to an aircraft during maintenance activities due to incorrect maintenance or use of inappropriate or unserviceable ground support equipment that requires additional maintenance actions.	Select the appropriate event type from the below 99010418 - FOD Control During Maintenance 99010421 - Material Left in Aircraft Post Maintenance 99010422 - Tool Left in Aircraft Post Maintenance 99010118 - Suspect/bogus part installed 99010424 - Access Panels Not Correctly Secured after Installation 99010426 - Damage during Repair 99010427 - Damage on Installation 99010432 - Mis-Rigging 99010433 - Repair Error 99010434 - Unapproved Modification Carried Out	Note: The aspect of "serious damage" cannot be captured. neither the causes "due to incorrect maintenance..." even though this aspect is remotely addressed in some of the event types listed.		

		99010435 - Unserviceable Part Installed 99010436 - Wrong Orientation of Installation 99010437 - Wrong Part Installed/Removed/Repaired			
AN2-3.16	(16) Identified burning, melting, smoke, arcing, overheating or fire occurrences.	Select the appropriate events under “fire” or “smoke” in conjunction with an event type related to the system/component concerned.			F-NI (if previous fire/smoke event can be identified)
AN2-3.17	(17) Any occurrence where the human performance, including fatigue of personnel, has directly contributed to or could have contributed to an accident or a serious incident.	Select 99010559 – Fatigue Followed by an event type that describes the operational impact of the fatigued person			
AN2-3.18	(18) Significant malfunction, reliability issue, or recurrent recording quality issue affecting a flight recorder system (such as a flight data recorder system, a data link recording system or a cockpit voice recorder system) or lack of information needed to ensure the serviceability of a flight recorder system.	Select the appropriate event type from the below 1313000 - 3130 Flight Data Recording System 99010972 - Flight Data Recorder Failure 99010974 - Quick Access Recorder Failure 99010971 - CVR Failure 99010973 - HUMS Failure 99010528 - Component Documentation Missing			SCF-NP
	ANNEX III				
AN3	OCCURRENCES RELATED TO AIR NAVIGATION SERVICES AND FACILITIES	The relation of the occurrence to Air Navigation Services need to be captured with corresponding event type from the list under 4000000 - Air Navigation Services related event and such event (s) should be coded before an event type from the list suggested for each specific occurrence.			ATM
AN3-1	1. AIRCRAFT-RELATED OCCURRENCES				
AN3-1.1	(1) A collision or a near collision on the ground or in the air, between an aircraft and another aircraft, terrain or obstacle, including near-controlled flight into terrain (near CFIT).	Select the appropriate event type from the list below 2180000 - Airborne collisions and near collisions in the air 2050400 - Aircraft collisions and near collisions with object/obstacle on ground 2050200 - An aircraft collision with the terrain or obstacles whilst in the air			MAC or CFIT,CTOL depending on the events and related flight phases
AN3-1.2	(2) Separation minima infringement	2180107 - Separation minima infringement			MAC
AN3-1.3	(3) Inadequate separation	2180100 - Near collisions - loss of separation between aircraft.			MAC, ATM
AN3-1.4	(4) ACAS RAs.	99010391 - ACAS/ TCAS RA			MAC
AN3-1.5	(5) Wildlife strike including bird strike.	Select the appropriate event type from the list below 99010152 - Birdstrike or Wildlife Strike Damage 2050301 - Aircraft collision with bird/bird strike 2140100 - Turbine engine ingestion – bird 2180301 - Near collision with a bird			WILD, BIRD

		99010122 - Near collision with an animal 2050402 - Aircraft collision with an animal			
AN3-1.6	(6) Taxiway or runway excursion.	Select any of the following events as applicable: 2070200 - Taxiway excursion 2070100 - Runway excursion to the side 2070400 - The aircraft ran off the end of the runway Provide information on aerodrome, runway, taxiway as applicable as well as location on aerodrome information – attribute 641			RE / OTHR
AN3-1.7	(7) Actual or potential taxiway or runway incursion.	Select the appropriate event type from the lists below 2200103 - Runway incursion by a person 2200102 - Runway incursion by a vehicle/equipment 2200101 - Runway incursion by an aircraft 2200203 - Taxiway incursion by a person 2200202 - Taxiway incursion by a vehicle/equipment 2200201 - Taxiway incursion by an aircraft			RI / OTHR
AN3-1.8	(8) Final Approach and Take-off Area (FATO) incursion.	Select the appropriate event type from the lists below 99010382 - FATO Incursion by a Person 99010383 - FATO Incursion by a Vehicle/ Equipment 99010381 - FATO Incursion by an Aircraft			RI
AN3-1.9	(9) Aircraft deviation from ATC clearance.	Select the applicable event type from the list under 2020500 - Deviation from an air traffic control clearance			NAV
AN3-1.10	(10) Aircraft deviation from applicable air traffic management (ATM) regulation:	2020700 - Deviation from ATM Regulation			OTHR
AN3-1.10a	(a) aircraft deviation from applicable published ATM procedures;	2020800 - Flight crew deviation from applicable ATM procedures			
AN3-1.10b	(b) airspace infringement including unauthorised penetration of airspace;	2020400 - Controlled/restricted airspace infringement			NAV, MAC, OTHR depending on the reasons for and the consequences of the infringement
AN3-1.10c	(c) deviation from aircraft ATM-related equipment carriage and operations, as mandated by applicable regulations.	2020702 - Deviations from ATM mandatory carriage of aircraft equipment			OTHR
AN3-1.11	(11) Call sign confusion related occurrences.	99010197 - Callsign Confusion 99012046 - Flight Crew Callsign Confusion			ATM /OTHR
AN3-2	2. DEGRADATION OR TOTAL LOSS OF SERVICES OR FUNCTIONS				ATM
AN3-2.1	(1) Inability to provide ATM services or				ATM
AN3-2.1a	(a) inability to provide air traffic services or	4050101 - Inability to provide Air Traffic Services			ATM

	to execute air traffic services functions;				
AN3-2.1b	(b) inability to provide airspace management services or to execute airspace management functions;	4050102 - Inability to provide Air Space Management services			ATM
AN3-2.1c	(c) inability to provide air traffic flow management and capacity services or to execute air traffic flow management and capacity functions.	4050103 - Inability to provide Air Traffic Flow Management services			ATM
AN3-2.2	(2) Missing or significantly incorrect, corrupted, inadequate or misleading information from any support service, including relating to poor runway surface conditions.	Select the applicable event type from the lists below- 5010100 - Aerodrome and ATC Support Systems			ATM
AN3-2.3	(3) Failure of communication service.	4050200 - Air Traffic Management failure of communications			ATM
AN3-2.4	(4) Failure of surveillance service.	4050300 - ATM Surveillance Equipment			ATM
AN3-2.5	(5) Failure of data processing and distribution function or service.	4050400 - Failure of data processing			ATM
AN3-2.6	(6) Failure of navigation service.	4050600 - ATM Navigational Equipment			ATM
AN3-2.7	(7) Failure of ATM system security which had or could have a direct negative impact on the safe provision of service.	4060000 - Air Traffic Management emergency/security situation			ATM
AN3-2.8	(8) Significant ATS sector/position overload leading to a potential deterioration in service provision.	Select the appropriate event type from the lists below 99010215 - Over Delivery of Regulated Traffic 99010605 - Task Management Events			ATM
AN3-2.9	(9) Incorrect receipt or interpretation of significant communications, including lack of understanding of the language used, when this had or could have a direct negative impact on the safe provision of service.	Select the appropriate event type from the lists below 99012041 - Flight Crew Interpretation of Communications 99010545 - Reading/ Language Comprehension 99010617 - Interpretation/ Understanding 99010619 - Language/ Accent 99010621 - Speech Rate/ Tone			ATM
AN3-2.10	(10) Prolonged loss of communication with an aircraft or with other ATS unit.	99010347 - Prolonged Loss of Communication	Only related to the flight crew operations. Prolonged loss of communication with other ATC unit not covered by event types		ATM
AN3-3	3. OTHER OCCURRENCES				
AN3-3.1	(1) Declaration of an emergency ('Mayday' or 'PAN' call).	Select any of the following events as applicable 3020200 - Declared emergency - Urgency (PAN call) 3020100 - Declared emergency - Distress (Mayday) Note: These events describe the "outcome". Also enter the events that preceded the declaration of the emergency.			Occurrence category depending on events leading to the emergency call

AN3-3.2	(2) Significant external interference with Air Navigation Services (for example radio broadcast stations transmitting in the FM band, interfering with ILS (instrument landing system), VOR (VHF Omni Directional Radio Range) and communication).	99011908 - Air/ Ground Radio Interference			ATM
AN3-3.3	(3) Interference with an aircraft, an ATS unit or a radio communication transmission including by firearms, fireworks, flying kites, laser illumination, high-powered lights lasers, Remotely Piloted Aircraft Systems, model aircraft or by similar means.	99010095 - Interference by LASER/Beamer Or any applicable event types in the list below 2270000 - Interference with aircraft			SEC
AN3-3.4	(4) Fuel dumping.	3100000 - Fuel dumping Note: This event is an “outcome” It is essential that the events leading to this outcome be captured as well and are coded in the event sequence before the outcome event.			
AN3-3.5	(5) Bomb threat or hijack.	4060300 - Bomb threat to an Air Traffic Management facility 2230100 - Bomb warning/scare 2230200 - Hijacking			SEC
AN3-3.6	(6) Fatigue impacting or potentially impacting the ability to perform safely the air navigation or air traffic duties.	99010559 – Fatigue It is essential to also provide the impact the fatigued person had on the operations. This should be captured using an applicable event type and be recorded after the fatigue event in the event sequence.			ATM
AN3-3.7	(7) Any occurrence where the human performance has directly contributed to or could have contributed to an accident or a serious incident.	Select the applicable event type from the list below 99010159 - Personnel Events It is essential to also provide the impact that the human performance related event had on the operations. This should be captured using an applicable event type and be recorded after the human performance event in the event sequence.			Various, depending on the event types
AN4	ANNEX IV OCCURRENCES RELATED TO AERODROMES AND GROUND SERVICES				
AN4-1	1. SAFETY MANAGEMENT OF AN AERODROME				
AN4-1.1	1.1. Aircraft- and obstacle-related occurrences				
AN4-1.1.1	(1) A collision or near collision, on the ground or in the air, between an aircraft and another aircraft, terrain or obstacle.	Select the appropriate event type from the lists below 2180000 - Airborne collisions and near collisions in the air 2050400 - Aircraft collisions and near collisions with			

		object/obstacle on ground 2050200 - An aircraft collision with the terrain or obstacles whilst in the air			
AN4-1.1.2	(2) Wildlife strike including bird strike.	Select the appropriate event type from the lists below 99010152 - Birdstrike or Wildlife Strike Damage 2050301 - Aircraft collision with bird/bird strike 2140100 - Turbine engine ingestion – bird 2180301 - Near collision with a bird 99010122 - Near collision with an animal 2050402 - Aircraft collision with an animal			WILD, BIRD
AN4-1.1.3	(3) Taxiway or runway excursion.	Select any of the following events as applicable: 2070200 - Taxiway excursion 2070100 - Runway excursion to the side 2070400 - The aircraft ran off the end of the runway Provide information on aerodrome, runway, taxiway as applicable as well as location on aerodrome information – attribute 641			RE , OTHR
AN4-1.1.4	(4) Actual or potential taxiway or runway incursion.	Select the appropriate event type from the lists below 2200103 - Runway incursion by a person 2200102 - Runway incursion by a vehicle/equipment 2200101 - Runway incursion by an aircraft 2200203 - Taxiway incursion by a person 2200202 - Taxiway incursion by a vehicle/equipment 2200201 - Taxiway incursion by an aircraft			RI, OTHR
AN4-1.1.5	(5) Final Approach and Take-off Area (FATO) incursion or excursion.	99010382 - FATO Incursion by a Person 99010383 - FATO Incursion by a Vehicle/ Equipment 99010381 - FATO Incursion by an Aircraft			RI
AN4-1.1.6	(6) Aircraft or vehicle failure to follow clearance, instruction or restriction while operating on the movement area of an aerodrome (for example: wrong runway, taxiway or restricted part of an aerodrome).	Select any of the following events as applicable in conjunction with the related phase of operation which should relate to the operation on the movement area of the aerodrome. 99012045 - Vehicle Clearance Violation 2020523 - Deviation-hold short 2020509 - Clearance deviation – holding 2020504 - Clearance deviation - line-up 2020502 - Clearance deviation - push-back 2020511 - Clearance deviation - runway crossing 2020501 - Clearance deviation - start-up 99010341 - Stop Bar Crossing Deviation 2020505 - Clearance deviation - take-off 2020503 - Clearance deviation – taxi 2020520 - Deviation from clearance - time restriction or			ADRM

		constraint Provide information on aerodrome, runway, taxiway as applicable as well as location on aerodrome information – attribute 641			
AN4-1.1.7	(7) Foreign object on the aerodrome movement area which has or could have endangered the aircraft, its occupants or any other person.	Select any of the following events as applicable in conjunction with the related phase of operation which should relate to the operation on the movement area of the aerodrome. 5030400 - Foreign object control/removal (FOD) 060200 - Aircraft damage caused by foreign object (FOD). 99011699 - Compressor Blade FOD Damage 99011726 - Fan Blade FOD Damage as well as the Picture of the foreign object (attr 821) The location on the aerodrome (attr 819) The collecting phase (attr 820)			ADRM
AN4-1.1.8	(8) Presence of obstacles on the aerodrome or in the vicinity of the aerodrome which are not published in the AIP (Aeronautical Information Publication) or by NOTAM (Notice to Airmen) and/or that are not marked or lighted properly.	Select any of the following events as applicable: 5020404 - Aerodrome obstacle marking related event 5020100 - Aerodrome lighting systems related event	Aspects of “non-marked” or “not published” cannot be captured		ADRM
AN4-1.1.9	(9) Push-back, power-back or taxi interference by vehicle, equipment or person.	Select phase push-back and select applicable event type 2200303 - Apron incursion by a person 2200302 - Apron incursion by a vehicle/equipment 2200301 - Apron incursion by an aircraft 99010239 - Near Collision - Vehicle with Object 99010240 - Near Collision - Vehicle with Person 2180405 - Near Ground Collision with Vehicle/ Equipment 2180403 - Near collision with person			OTHR / RAMP
AN4-1.1.10	(10) Passengers or unauthorised person left unsupervised on apron.				ADRM
AN4-1.1.11	(11) Jet blast, rotor down wash or propeller blast effect.	Select any of the following events as applicable: 2060600 - Damage caused by propeller/rotor/jet blast 2150300 - Injuries received from contact with a propeller blast, helicopter rotor downwash or jet blast 99010398 - Jet Blast Encounter	Note Prop wash only found in explanation of “jet blast encounter” event type. Rotor downwash not covered.		RAMP / OTHR
AN4-1.1.12	(12) Declaration of an emergency (‘Mayday’ or ‘PAN’ call).	Select any of the following events as applicable 3020200 - Declared emergency - Urgency (PAN call) 3020100 - Declared emergency - Distress (Mayday) Note: These event describe the “outcome”. Also enter the events that preceded the declaration of the emergency.			Occurrence category depending on events leading to the emergency call

AN4-1.2	1.2. Degradation or total loss of services or functions	050000 - Aerodrome and Air Traffic Management/Communication, Navigation and Surveillance serviceability related event			ATM
AN4-1.2.1	(1) Loss or failure of communication between: (a) aerodrome, vehicle or other ground personnel and air traffic services unit or apron management service unit; (b) apron management service unit and aircraft, vehicle or air traffic services unit.	99011915 - Ground Communications Failure 4050200 - Air Traffic Management/failure of communications	Only a general "ground communications failure" event type at hand		ATM
AN4-1.2.2	(2) Significant failure, malfunction or defect of aerodrome equipment or system which has or could have endangered the aircraft or its occupants.	5010100 - Aerodrome and ATC Support Systems			ADRM
AN4-1.2.3	(3) Significant deficiencies in aerodrome lighting, marking or signs.	Select the appropriate event type from the lists below 5020400 - Aerodrome markings related event 5020100 - Aerodrome lighting systems related event 5020300 - Aerodrome signs related event			ADRM
AN4-1.2.4	(4) Failure of the aerodrome emergency alerting system.	99012047 - Aerodrome Emergency Alerting System Failure			ADRM
AN4-1.2.5	(5) Rescue and firefighting services not available according to applicable requirements.	Select the appropriate event type from the lists below 99010225 - Aerodrome Emergency or Fire Services Insufficient 99010226 - Aerodrome Emergency or Fire Services Not Available			ADRM
AN4-1.3	1.3. Other occurrences				
AN4-1.3.1	(1) Fire, smoke, explosions in aerodrome facilities, vicinities and equipment which has or could have endangered the aircraft, its occupants or any other person.		Fire, smoke, explosions in aerodrome facilities not covered		ADRM, SEC
AN4-1.3.2	(2) Aerodrome security related occurrences (for example: unlawful entry, sabotage, bomb threat).	Select the appropriate event type from the lists below 5070000 - Aerodrome security 99010224 - Passengers/ Person Unsupervised on Apron 5070200 - Sabotage 5070100 - Unlawful entry 5079800 - Other Aerodrome Security Event			SEC
AN4-1.3.3	(3) Absence of reporting of a significant		Note: No event type		ADRM

	change in aerodrome operating conditions which has or could have endangered the aircraft, its occupants or any other person.		available		
AN4-1.3.4	(4) Missing, incorrect or inadequate de-icing/anti-icing treatment.	Select the appropriate event type from the lists below 5050200 - De-icing 99010242 - De-icing Fluid Spill 99010243 - De-icing Incomplete 99010244 - De-icing Not Carried Out 99010245 - De-icing Procedures Not Followed 99010246 - Wrong De-icing Agent Used			ADRM
AN4-1.3.5	(5) Significant spillage during fuelling operations.	99010248 - Fuel Spill During Fuelling			ADRM/RAMP
AN4-1.3.6	(6) Loading of contaminated or incorrect type of fuel or other essential fluids (including oxygen, nitrogen, oil and potable water).	Select the appropriate event type from the lists below 99010247 - Contaminated Fuel Loaded 99010253 - Incorrect Fuel Type Loaded 99010300 - Aircraft Water Supply Spillages	Note: no event type for issues related to oxygen, nitrogen, and oil servicing		ADRM
AN4-1.3.7	(7) Failure to handle poor runway surface conditions.	If the poor conditions are related to ice/snow contamination use 5030200 - Aerodrome Snow/ Ice Removal Insufficient 99010227 - Aerodrome Snow/ Ice Removal Not Available Otherwise use 99011941 - Poor Runway Condition			ADRM
AN4-1.3.8	(8) Any occurrence where the human performance has directly contributed to or could have contributed to an accident or a serious incident.	Select the applicable event type from the list below 99010159 - Personnel Events It is essential to also provide the impact that the human performance related event had on the operations. This should be captured using an applicable event type and be recorded after the human performance event in the event sequence.			Various, depending on the event types
AN4-2	2. GROUND HANDLING OF AN AIRCRAFT				RAMP
AN4-2.1	2.1. Aircraft- and aerodrome-related occurrences				
AN4-2.1.1	(1) A collision or near collision, on the ground or in the air, between an aircraft and another aircraft, terrain or obstacle.	Select the appropriate event type from the lists below 2180000 - Airborne collisions and near collisions in the air 2050400 - Aircraft collisions and near collisions with object/obstacle on ground 2050200 - An aircraft collision with the terrain or obstacles whilst in the air			RI, CTOL, GCOL, CFIT depending on the event types.

AN4-2.1.2	(2) Runway or taxiway incursion.	Select the appropriate event type from the lists below 2200103 - Runway incursion by a person 2200102 - Runway incursion by a vehicle/equipment 2200101 - Runway incursion by an aircraft 2200203 - Taxiway incursion by a person 2200202 - Taxiway incursion by a vehicle/equipment 2200201 - Taxiway incursion by an aircraft			RI, OTHR
AN4-2.1.3	(3) Runway or taxiway excursion.	Select any of the following events as applicable: 2070200 - Taxiway excursion 2070100 - Runway excursion to the side 2070400 - The aircraft ran off the end of the runway Provide information on aerodrome, runway, taxiway as applicable as well as location on aerodrome information – attribute 641			RE, OTHR
AN4-2.1.4	(4) Significant contamination of aircraft structure, systems and equipment arising from the carriage of baggage, mail or cargo.	1255901 - Cargo leak			OTHR, RAMP, SCF-NP depending on event types
AN4-2.1.5	(5) Push-back, power-back or taxi interference by vehicle, equipment or person.	Select phase push-back and select applicable event type 2200303 - Apron incursion by a person 2200302 - Apron incursion by a vehicle/equipment 2200301 - Apron incursion by an aircraft 99010239 - Near Collision - Vehicle with Object 99010240 - Near Collision - Vehicle with Person 2180405 - Near Ground Collision with Vehicle/ Equipment 2180403 - Near collision with person			RAMP
AN4-2.1.6	(6) Foreign object on the aerodrome movement area which has or could have endangered the aircraft, its occupants or any other person.	Select any of the following events as applicable in conjunction with the related phase of operation which should relate to the operation on the movement area of the aerodrome. 5030400 - Foreign object control/removal (FOD) 060200 - Aircraft damage caused by foreign object (FOD). 99011699 - Compressor Blade FOD Damage 99011726 - Fan Blade FOD Damage as well as the Picture of the foreign object (attr 821) The location on the aerodrome (attr 819) The collecting phase (Attr 820)			ADRM
AN4-2.1.7	(7) Passengers or unauthorised person left	99010224 - Passengers/ Person Unsupervised on Apron			

	unsupervised on apron.				
AN4-2.1.8	(8) Fire, smoke, explosions in aerodrome facilities, vicinities and equipment which has or could have endangered the aircraft, its occupants or any other person.		Note: no event type		SEC, OTHR
AN4-2.1.9	(9) Aerodrome security-related occurrences (for example: unlawful entry, sabotage, bomb threat).	Select the appropriate event type from the list below 5070000 - Aerodrome security 99010224 - Passengers/ Person Unsupervised on Apron 5070200 – Sabotage 5070100 - Unlawful entry 5079800 - Other Aerodrome Security Event			SEC
AN4-2.2	2.2. Degradation or total loss of services or functions	050000 - Aerodrome and Air Traffic Management/Communication, Navigation and Surveillance serviceability related event			ATM
AN4-2.2.1	(1) Loss or failure of communication with aircraft, vehicle, air traffic services unit or apron management service unit.	4050200 - Air Traffic Management failure of communications			ATM
AN4-2.2.2	(2) Significant failure, malfunction or defect of aerodrome equipment or system which has or could have endangered the aircraft or its occupants.	4050000 - Aerodrome and Air Traffic Management/Communication, Navigation and Surveillance serviceability related event	Note: There is no overall event type for “aerodrome equipment”		ADRM
AN4-2.2.3	(3) Significant deficiencies in aerodrome lighting, marking or signs.	Select the appropriate event type from the list below 5020400 - Aerodrome markings related event 5020100 - Aerodrome lighting systems related event 5020300 - Aerodrome signs related event			ADRM
AN4-2.3	2.3. Ground handling specific occurrences				RAMP
AN4-2.3.1	(1) Incorrect handling or loading of passengers, baggage, mail or cargo, likely to have a significant effect on aircraft mass and/or balance (including significant errors in loadsheet calculations).	Select the appropriate event type from the list below 99010302 - Passenger Boarding 5050300 - Baggage Handling and Loading 5060000 - Cargo Handling and Loading 99010222 - Dangerous Goods Handling and Loading 99010526 - Load Sheet Incorrectly Completed			RAMP
AN4-2.3.2	(2) Boarding equipment removed leading to endangerment of aircraft occupants.	99010304 - Steps and Airbridges			RAMP
AN4-2.3.3	(3) Incorrect stowage or securing of baggage, mail or cargo likely in any way to endanger the aircraft, its equipment or occupants or to impede emergency evacuation.	Select the appropriate event type from the list below 99010274 - Baggage Unsecure with Shift 99010275 - Baggage Unsecure without Shift 99010265 - Baggage Exceeds Compartment Storage Limitations 1255902 - Cargo Unsecure with Shift			RAMP, CABIN depending on event types

		<p>99010284 - Cargo Unsecure without Shift 99010277 - Cargo Exceeds Storage Compartment Limitations 9010286 - Dangerous Goods Exceeds Storage Compartment Limitations 99010297 - Dangerous Goods Unsecure with Shift 99010298 - Dangerous Goods Unsecure without Shift</p> <p>2030100 - Blocked cabin exit 99010334 - Object Fallen from Overhead Bins 2030900 - Passenger carry-on baggage related event</p>			
AN4-2.3.4	(4) Transport, attempted transport or handling of dangerous goods which resulted or could have resulted in the safety of the operation being endangered or led to an unsafe condition (for example: dangerous goods incident or accident as defined in the ICAO Technical Instructions).	99010222 - Dangerous Goods Handling and Loading			RAMP
AN4-2.3.5	(5) Non-compliance on baggage or passenger reconciliation.	<p>Select the appropriate event type from the list below</p> <p>99010272 - Baggage Reconciliation 99010303 - Passenger Reconciliation</p>			RAMP
AN4-2.3.6	(6) Non-compliance with required aircraft ground handling and servicing procedures, especially in de-icing, refuelling or loading procedures, including incorrect positioning or removal of equipment.	<p>Select the appropriate event type from the list below</p> <p>99010245 - De-icing Procedures Not Followed 99010254 - Refuelling Procedures Not Followed 99010259 - Marshalling Procedures Not Followed 99010260 - Pushback Procedures Not Followed 99010262 - Parking Procedures Not Followed 99010304 - Steps and Airbridges</p>			RAMP, ADRM depending on event types
AN4-2.3.7	(7) Significant spillage during fuelling operations.	99010248 - Fuel Spill During Fuelling			ADRM, RAMP
AN4-2.3.8	(8) Loading of incorrect fuel quantities likely to have a significant effect on aircraft endurance, performance, balance or structural strength.	99010252 - Incorrect Fuel Quantity Loaded			RAMP
AN4-2.3.9	(9) Loading of contaminated or incorrect type of fuel or other essential fluids (including oxygen, nitrogen, oil and potable water).	<p>Select the appropriate event type from the list below</p> <p>99010247 - Contaminated Fuel Loaded 99010253 - Incorrect Fuel Type Loaded 99010300 - Aircraft Water Supply Spillages</p>			ADRM
AN4-2.3.10	(10) Failure, malfunction or defect of ground equipment used for ground	Select the appropriate event type from the list below			ADRM

	handling, resulting into damage or potential damage to the aircraft (for example: tow bar or GPU (Ground Power Unit)).	99011926 - Catering Equipment Failure 99011927 - Ground Power Unit Failure 99011928 - Loading Equipment Failure 99011930 - Towing Equipment Failure			
AN4-2.3.11	(11) Missing, incorrect or inadequate de-icing/anti-icing treatment.	Select the appropriate event type from the list below 5050200 - De-icing 99010242 - De-icing Fluid Spill 99010243 - De-icing Incomplete 99010244 - De-icing Not Carried Out 99010245 - De-icing Procedures Not Followed 99010246 - Wrong De-icing Agent Used			ADRM
AN4-2.3.12	(12) Damage to aircraft by ground handling equipment or vehicles including previously unreported damage.	2060800 - Damage caused by object 5030704 - A standing or parked aircraft was struck/damaged by a vehicle/equipment			ADRM
AN4-2.3.13	(13) Any occurrence where the human performance has directly contributed to or could have contributed to an accident or a serious incident.	Select the applicable event type from the list below 99010159 - Personnel Events It is essential to also provide the impact that the human performance related event had on the operations. This should be captured using an applicable event type and be recorded after the human performance event in the event sequence.			Various, depending on the event types
AN5	ANNEX V - OCCURRENCES RELATED TO AIRCRAFT OTHER THAN COMPLEX MOTOR-POWERED AIRCRAFT, INCLUDING SAILPLANES AND LIGHTER-THAN-AIR VEHICLES				
AN5-1	1. AIRCRAFT OTHER THAN COMPLEX MOTOR-POWERED AIRCRAFT EXCLUDING SAILPLANES AND LIGHTER-THAN-AIR VEHICLES				
AN5-1.1	1.1. Air operations				
AN5-1.1.1	(1) Unintentional loss of control.	2080000 - Upset or Deviation from intended flight path/attitude by an aircraft			LOC-I, LOC-G
AN5-1.1.2	(2) Landing outside of intended landing area.	2010700 - Landing beside the intended landing surface 2170200 - Wrong Runway - Landing			USOS, NAV

AN5-1.1.3	(3) Inability or failure to achieve required aircraft performance expected in normal conditions during take-off, climb or landing.	(ATA Code:0101) An event in which the aircraft fails to achieve its published performance.			SCF-NP, SCF-PP depending on events
AN5-1.1.4	(4) Runway incursion	Select any of the following events as applicable: 2200103 - Runway incursion by a person 2200102 - Runway incursion by a vehicle/equipment 2200101 - Runway incursion by an aircraft 2200203 - Taxiway incursion by a person 2200202 - Taxiway incursion by a vehicle/equipment 2200201 - Taxiway incursion by an aircraft Provide information on aerodrome, runway, taxiway as applicable as well as location on aerodrome information – attribute 641 Provide background incursion data: Geometry of the encounter, Entities involved in a runway incursion Evasive or corrective action The estimated horizontal distance between aircraft and/or vehicle Movement profile The severity classification for runway incursions (incidents)			RI, OTHR, ADRM (e.g. if vehicle control issues are present)
AN5-1.1.5	(5) Runway excursion.	Select any of the following events as applicable: 2070200 - Taxiway excursion 2070100 - Runway excursion to the side 2070400 - The aircraft ran off the end of the runway Provide information on aerodrome, runway, taxiway as applicable as well as location on aerodrome information – attribute 641			RE, OTHR
AN5-1.1.6	(6) Any flight which has been performed with an aircraft which was not airworthy, or for which flight preparation was not completed, which has or could have endangered the aircraft, its occupants or any other person.	7050600 - Aircraft not airworthy 99010375 - Pre-Flight Briefing and Flight Preparation			OTHR
AN5-1.1.7	(7) Unintended flight into IMC (Instrument Meteorological Conditions) conditions of aircraft not IFR (Instrument flight rules) certified, or a pilot not qualified	Select the appropriate event type from the list below 99010315 - Flight Into IMC Conditions – Unintended 2220500 - Unintended aircraft encounter with instrument			UIMC

	for IFR, which has or could have endangered the aircraft, its occupants or any other person.	meteorological conditions 99010546 – Qualifications 7030200 - Crew/staff not licensed for activity			
AN5-1.1.8	(8) Unintentional release of cargo.	Select 99010613 - Unintended Action In conjunction with 99012037 - External Load - Release			EXTL, SCF-NP
AN5-1.2	1.2. Technical occurrences				
AN5-1.2.1	(1) Abnormal severe vibration (for example: aileron or elevator ‘flutter’, or of propeller).	Select the appropriate event type from the list below 99011562 - Propeller Excessive Imbalance 1990202 - Vibration/ Buffet 99011192 - 4920 APU Core Engine – Vibration 1720100 - Turbine engine generally (ATA Code:7201) 1850110 - Reciprocating engine - vibration	Note: No event for turbine engine – vibration.		SCF-NP, SCF-PP depending on event types
AN5-1.2.2	(2) Any flight control not functioning correctly or disconnected.	Select the appropriate event type from the list below 1270000 - Aircraft flight control related event (ATA Code:2700) 1670000 - Rotorcraft flight control systems related event (ATA Code:6700)			SCF-NP
AN5-1.2.3	(3) A failure or substantial deterioration of the aircraft structure.	Select the appropriate event type from the list below 1530000 - Aircraft's fuselage structure related event (ATA Code:5300) 1550000 - Aircraft empennage structure related event (ATA Code:5500) 1570000 - Aircraft wing structure related event (ATA Code:5700)			SCF-NP
AN5-1.2.4	(4) A loss of any part of the aircraft structure or installation in flight.	Select any of the following events as applicable 2160202 - An identified component falling off the aircraft 2160201 - A panel falling off the aircraft 2160203 - Unidentified component falling off the aircraft 9010230 - Damage to aircraft caused by the aircraft itself 99011185 - 4910 APU Cowling Separation 99011212 - 4980 APU Exhaust System Separation 99011239 - Crew Door Separation 1520102 - Passenger Door Separation 99011250 - Emergency Exit Separation 99011268 - 5242 Electrical Compartment Door Separation 99011273 - 5243 Hydraulic Compartment Door Separation 99011278 - 5244 Accessory Compartment Door Separation			SCF-NP

		<p>99011283 - 5245 Air Conditioning Compartment Door Separation</p> <p>99011288 - 5246 Fluid Service Door Separation</p> <p>99011263 - 5241 Galley Door Separation</p> <p>99011293 - 5247 APU Door Separation</p> <p>99011298 - 5248 Tail Cone Door Separation</p> <p>99011318 - Main Landing Gear Door Separation</p> <p>99011323 - Nose Landing Gear Door Separation</p> <p>99011329 - Rotorcraft Tail Boom Separation</p> <p>99011362 - Plate/ Skin/ Panel Separation</p> <p>99011389 - Nose Cone Separation</p> <p>99011397 - Radome Separation</p> <p>99011396 - Tail Cone Separation</p> <p>99011411 - 5414 Nacelle Plate/ Skin Separation</p> <p>99011418 - 5416 Nacelle Fairing Separation</p> <p>99011425 - 5512 Horizontal Stabiliser Plates/ Skin Separation</p> <p>99011435 - 5522 Elevator Plates/ Skin Separation</p> <p>99011439 - 5523 Elevator Tab Separation</p> <p>99011446 - 5532 Vertical Stabiliser Plates/ Skin Separation</p> <p>99011456 - 5542 Rudder Plates/ Skin Separation</p> <p>99011477 - 5561 Stabiliser Fairing Separation</p> <p>1560101 - Flight Compartment Window Separation</p> <p>99011486 - Canopy Separation</p> <p>99011496 - Passenger Compartment Window Separation</p> <p>99011541 - 5753 Trailing Edge Flap Separation</p> <p>99011545 - 5754 Leading Edge Device Separation</p> <p>99011513 - Wing Fairing Separation</p> <p>99011525 - Wing Plates/ Skins Separation</p> <p>99011550 - 5761 Aileron Separation</p> <p>99011554 - 5762 Aileron Tab Separation</p> <p>99011652 - Engine Cowling Separation 99011652 - Engine Cowling Separation</p>			
AN5-1.2.5	(5) A failure of an engine, rotor, propeller, fuel system or other essential system.	<p>Select the detailed event from the lists found under</p> <p>1720100 - Turbine engine generally (ATA Code:7201)</p> <p>1850100 - Reciprocating engine in general (ATA Code:8501)</p> <p>1610000 - Propellers related event (ATA Code:6100)</p> <p>1280000 - Fuel system related event (ATA Code:2800)</p> <p>In respect to "o other essential system" select the event type related to the system from the details found under</p>			SWCF-PP, SCF-NP depending on event types

		"equipment"			
AN5-1.2.6	(6) Leakage of any fluid which resulted in a fire hazard or possible hazardous contamination of aircraft structure, systems or equipment, or risk to occupants.	1280100 - Fuel leak (ATA Code:2801) 99011737 - Engine Fuel Leak 99011827 - Engine Oil Storage Leak 1255901 - Cargo leak 99010290 - Dangerous Goods Leaking 2030900 - Passenger carry-on baggage related event			SCF-NP, CABIN if passenger baggage involved)
AN5-1.3	1.3. Interaction with air navigation services and air traffic management	4000000 - Air Navigation Services related event			
AN5-1.3.1	(1) Interaction with air navigation services (for example: incorrect services provided, conflicting communications or deviation from clearance) which has or could have endangered the aircraft, its occupants or any other person.	Select the applicable detailed event from the lists provided and considering whether the event is related to the action/inaction of the Air Navigation Services provider or the flight crew 4020000 - Aeronautical Information Service related event 2020500 - Deviation from an air traffic control clearance 2020800 - Flight crew deviation from applicable ATM procedures			ATM, NAV
AN5-1.3.2	(2) Airspace infringement.	2020400 - Controlled/restricted airspace infringement			NAV, MAC, OTHR depending on the consequences of the infringement
AN5-1.4	1.4. Emergencies and other critical situations		Too general - No event type at hand		
AN5-1.4.1	(1) Any occurrence leading to an emergency call.	Select any of the following events as applicable 3020200 - Declared emergency - Urgency (PAN call) 3020100 - Declared emergency - Distress (Mayday) Note: These event types describe the "outcome". Also enter the events that preceded the declaration of the emergency.			Occurrence category depending on events leading to the emergency call
AN5-1-42	(2) Fire, explosion, smoke, toxic gases or toxic fumes in the aircraft.	Select the appropriate event from the list under 990100 - Aircraft General Explosions / Fire/ Fumes / Smoke Outcome Events Note: These event describe the "outcome". Also enter the events that preceded the fire/smoke etc.			F-NI
AN5-1-4.3	(3) Incapacitation of the pilot leading to	2040100 - Flight crew incapacitation/illness/medical issue			MED

	inability to perform any duty.				
AN5-1.5	1.5. External environment and meteorology		Too general, no event type applicable.		
AN5-1.5.1	(1) A collision on the ground or in the air, with another aircraft, terrain or obstacle.	Select the appropriate event type from the list: 2050100 - Airborne Collision with Aircraft 2050404 - Aircraft collision with building 2050403 - Aircraft collision with approach/runway/taxiway lights 2050103 - Collision between two aircraft both moving on the ground 2050407 - Aircraft collision with other object on ground 2050408 - Aircraft collision with parked aircraft 2050410 - Aircraft collision with a person 2050415 - Aircraft collision with a vehicle 2050411 - Aircraft collision with power line conductor, cable or wire 2050202 - Aircraft collision with high terrain, a hill or a mountain 2050201 - Aircraft collision with level terrain/water 2050413 - Aircraft collision with tall structure, e.g. chimney, mast, post or pole 2050414 - Aircraft collision with tree/tall vegetation 99010387 - Collision with Other Object			MAC, CFIT, CTOL, RI, GCOL depending on event type
AN5-1.5.2	(2) A near collision, on the ground or in the air, with another aircraft, terrain or obstacle, requiring an emergency avoidance manoeuvre to avoid a collision.	Select the applicable event type from the list below: 2180300 - Near Airborne Collision with Aircraft 99010380 - Near Ground Collision with Moving Aircraft 2180406 - Near collision with object on the ground 2180401 - Near collision with a parked aircraft 2180403 - Near collision with person 2180405 - Near Ground Collision with Vehicle/ Equipment 99010389 - Near Collision with Cable/ Wire 2180202 - Near collision with high terrain/hill/mountain 2180201 - Near collision with level terrain 2180402 - Near collision with tall structure/object 99010388 - Collision with Tree/ Tall Vegetation 99010390 - Near Collision with Other Object Followed by the applicable outcome event: 99010034 - Abrupt stop 99010071 - Evasive Manoeuvre to Avoid Airborne Collision 99010145 - Evasive Manoeuvre to Avoid Ground Collision 99010033 - Rotation – delayed 99010033 - Rotation - delayed			MAC, CFIT, CTOL, RI, GCOL depending on event type

AN5-1.5.3	(3) Wildlife strike including bird strike which resulted in damage to the aircraft or loss or malfunction of any essential service.	Select the appropriate event type from the list below 99010152 - Birdstrike or Wildlife Strike Damage 2050301 - Aircraft collision with bird/bird strike 2140100 - Turbine engine ingestion – bird 2180301 - Near collision with a bird 99010122 - Near collision with an animal 2050402 - Aircraft collision with an animal			WILD;bird
AN5-1.5.4	(4) Interference with the aircraft by firearms, fireworks, flying kites, laser illumination, high powered lights lasers, Remotely Piloted Aircraft Systems, model aircraft or by similar means.	Select the applicable detail event from the list under 2270000 - Interference with aircraft			SEC
AN5-1.5.5	(5) A lightning strike resulting in damage to or loss of functions of the aircraft.	99010229 - Aircraft damage caused by lightning strike			WSTRW
AN5-1.5.6	(6) Severe turbulence encounter which resulted in injury to aircraft occupants or in the need for a post-flight turbulence damage check of the aircraft.	99010233 - Turbulence Damage 2150100 - Injuries from turbulence	Note: The “ need for a post-flight turbulence damage check of the aircraft” Cannot be captured		TURB
AN5-1.5.7	(7) Icing including carburettor icing which has or could have endangered the aircraft, its occupants or any other person.	2220100 - Aircraft encountered icing conditions 1850107 - Reciprocating engine - carburettor icing	Note: Two different occurrence cats depending on event type.		ICE, FUEL depending on event types
AN5-2	2. SAILPLANES (GLIDERS)				
AN5-2.1	2.1. Air operations				
AN5-2.1.1	(1) Unintentional loss of control.	2080000 - Upset or Deviation from intended flight path/attitude by an aircraft			LOC-I, LOC-G
AN5-2.1.2	(2) An occurrence where the sailplane pilot was unable to release either the winch cable or the aero tow rope and had to do so using emergency procedures.	2240198 - Other failure during winch launch			GTOW
AN5-2.1.3	(3) Any release of the winch cable or the aero tow rope if the release has or could have endangered the sailplane, its occupants or any other person.	Select the appropriate event type from the list below 2240203 - Glider Tow Rope Failure 5020702 - Winch Launch Cable Failure 5020798 - Other winch-launch equipment related event 2240104 - The rope disconnected from the aircraft during the winch launch 99012020 - Air Tow Cable Break 2240204 - The tow rope used in an aerial tow disconnected			GTOW, SCF-NP
AN5-2.1.4	(4) In the case of a powered sailplane, an engine failure during take-off.	1720100 - Turbine engine generally (ATA Code:7201) 1850100 - Reciprocating engine in general (ATA Code:8501)	Note: need to cover for electrical engines...		SCF-PP
AN5-2.1.5	(5) Any flight which has been performed	7050600 - Aircraft not airworthy			OTHR

	with a sailplane which was not airworthy, or for which an incomplete flight preparation has or could have endangered the sailplane, its occupants or any other person.	99010375 - Pre-Flight Briefing and Flight Preparation			
AN5-2.2	2.2. Technical occurrences				
AN5-2.2.1	(1) Abnormal severe vibration (for example: aileron or elevator 'flutter', or of propeller).	Select the appropriate event type from the list below 99011562 - Propeller Excessive Imbalance 1990202 - Vibration/ Buffet 1720100 - Turbine engine generally (ATA Code:7201) 1850110 - Reciprocating engine - vibration			SCF-NP, SCF-PP depending on event types
AN2-2.2.2	(2) Any flight control not functioning correctly or disconnected.	1270000 - Aircraft flight control related event (ATA Code:2700)			SCF-NP
AN5-2.2.3	(3) A failure or substantial deterioration of the sailplane structure.	1530000 - Aircraft's fuselage structure related event (ATA Code:5300) 1550000 - Aircraft empennage structure related event (ATA Code:5500) 1570000 - Aircraft wing structure related event (ATA Code:5700)			SCF-NP
AN5-2.2.4	(4) A loss of any part of the sailplane structure or installation in flight.	Select any of the following events as applicable 2160202 - An identified component falling off the aircraft 2160201 - A panel falling off the aircraft 2160203 - Unidentified component falling off the aircraft 9010230 - Damage to aircraft caused by the aircraft itself 99011362 - Plate/ Skin/ Panel Separation 99011389 - Nose Cone Separation 99011396 - Tail Cone Separation 99011425 - 5512 Horizontal Stabiliser Plates/ Skin Separation 99011435 - 5522 Elevator Plates/ Skin Separation 99011439 - 5523 Elevator Tab Separation 99011446 - 5532 Vertical Stabiliser Plates/ Skin Separation 99011456 - 5542 Rudder Plates/ Skin Separation 99011477 - 5561 Stabiliser Fairing Separation 99011486 - Canopy Separation 99011541 - 5753 Trailing Edge Flap Separation 99011545 - 5754 Leading Edge Device Separation 99011513 - Wing Fairing Separation 99011525 - Wing Plates/ Skins Separation 99011550 - 5761 Aileron Separation 99011554 - 5762 Aileron Tab Separation 99011652 - Engine Cowling Separation			SCF-NP
AN5-2.3	2.3. Interaction with air navigation services	4000000 - Air Navigation Services related event			

	and air traffic management				
AN5-2.3.1	(1) Interaction with air navigation services (for example: incorrect services provided, conflicting communications or deviation from clearance) which has or could have endangered the sailplane, its occupants or any other person.	Select the applicable detailed event from the lists provided and considering whether the event is related to the action/inaction of the Air Navigation n Services provider or the flight crew 4020000 - Aeronautical Information Service related event 2020500 - Deviation from an air traffic control clearance 2020800 - Flight crew deviation from applicable ATM procedures			ATM, NAV
AN5-2.3.2	(2) Airspace infringements.	2020400 - Controlled/restricted airspace infringement			NAV, MAC, OTHR depending on the consequences of the infringement
AN5-2.4	2.4. Emergencies and other critical situations		Too general, no event type applicable.		
AN5-2.4.1	(1) Any occurrence leading to an emergency call.	Select any of the following events as applicable 3020200 - Declared emergency - Urgency (PAN call) 3020100 - Declared emergency - Distress (Mayday) Note: These event describe the "outcome". Also enter the events that preceded the declaration of the emergency.			Occurrence category depending on events leading to the emergency call
AN5-2.4.2	(2) Any situation where no safe landing area remains available.				OTHR
AN5-2.4.3	(3) Fire, explosion, smoke, or toxic gases or fumes in the sailplane.	Select the appropriate event from the list under 990100 - Aircraft General Explosions / Fire/ Fumes / Smoke Outcome Events Note: These event describe the "outcome". Also enter the events that preceded the fire/smoke etc.			F-NI
AN5-2.4.1-4	(4) Incapacitation of the pilot leading to inability to perform any duty.				MED
AN5-2.5	2.5. External environment and meteorology				
AN5-2.5.1	(1) A collision on the ground or in the air, with an aircraft, terrain or obstacle.	Select the appropriate event type from the list: 2050100 - Airborne Collision with Aircraft 2050404 - Aircraft collision with building 2050403 - Aircraft collision with approach/runway/taxiway lights 2050103 - Collision between two aircraft both moving on			CFIT, CTOL, MAC, RI, GCOL

		<p>the ground</p> <p>2050407 - Aircraft collision with other object on ground</p> <p>2050408 - Aircraft collision with parked aircraft</p> <p>2050410 - Aircraft collision with a person</p> <p>2050415 - Aircraft collision with a vehicle</p> <p>2050411 - Aircraft collision with power line conductor, cable or wire</p> <p>2050202 - Aircraft collision with high terrain, a hill or a mountain</p> <p>2050201 - Aircraft collision with level terrain/water</p> <p>2050413 - Aircraft collision with tall structure, e.g. chimney, mast, post or pole</p> <p>2050414 - Aircraft collision with tree/tall vegetation</p> <p>99010387 - Collision with Other Object</p>			
AN5-2.5.2	(2) A near collision, on the ground or in the air, with an aircraft, terrain or obstacle requiring an emergency avoidance manoeuvre to avoid a collision.	<p>Select the applicable event type from the list below:</p> <p>2180300 - Near Airborne Collision with Aircraft</p> <p>99010380 - Near Ground Collision with Moving Aircraft</p> <p>2180406 - Near collision with object on the ground</p> <p>2180401 - Near collision with a parked aircraft</p> <p>2180403 - Near collision with person</p> <p>2180405 - Near Ground Collision with Vehicle/ Equipment</p> <p>99010389 - Near Collision with Cable/ Wire</p> <p>2180202 - Near collision with high terrain/hill/mountain</p> <p>2180201 - Near collision with level terrain</p> <p>2180402 - Near collision with tall structure/object</p> <p>99010388 - Collision with Tree/ Tall Vegetation</p> <p>99010390 - Near Collision with Other Object</p> <p>Followed by the applicable outcome event:</p> <p>99010034 - Abrupt stop</p> <p>99010071 - Evasive Manoeuvre to Avoid Airborne Collision</p> <p>99010145 - Evasive Manoeuvre to Avoid Ground Collision</p> <p>99010033 - Rotation – delayed</p> <p>99010033 - Rotation - delayed</p>			AMAN, MAC, CTOL, GCOL, RI, CFIT
AN5-2.5.3	(3) Interference with the sailplane by firearms, fireworks, flying kites, laser illumination, high powered lights lasers, Remotely Piloted Aircraft Systems, model aircraft or by similar means.	<p>Select the applicable detail event from the list under</p> <p>2270000 - Interference with aircraft</p>			SEC
AN5-2.5.4	(4) A lightning strike resulting in damage to the sailplane.	99010229 - Aircraft damage caused by lightning strike			WSTRW

AN5-3	3. LIGHTER-THAN-AIR VEHICLES (BALLOONS AND AIRSHIPS)				
AN5-3.1	3.1. Air operations				
AN5-3.1.1	(1) Any flight which has been performed with a lighter-than-air vehicle which was not airworthy, or for which an incomplete flight preparation has or could have endangered the lighter-than-air vehicle, its occupants or any other person.	7050600 - Aircraft not airworthy 99010375 - Pre-Flight Briefing and Flight Preparation 7050600 - Aircraft not airworthy			OTHR
AN5-3.1.2	(2) Unintended permanent extinction of the pilot light.		No event type at hand		SCF-NP
AN5-3.2	3.2. Technical occurrences				
AN5-3.2.1	(1) Failure of any of the following parts or controls: dip tube on fuel cylinder, envelope pulley, control line, tether rope, valve seal leak on burner, valve seal leak on fuel cylinder, carabiner, damage to fuel line, lifting gas valve, envelope or ballonnet, blower, pressure relief valve (gas balloon), winch (tethered gas balloons).		No event type at hand		SCF-NP
AN5-3.2.2	(2) Significant leakage or loss of lifting gas (for example: porosity, unseated lifting gas valves).		No event type at hand		SCF-NP
AN5-3.3	3.3. Interaction with air navigation services and air traffic management	4000000 - Air Navigation Services related event			
AN5-3.3.1	(1) Interaction with air navigation services (for example: incorrect services provided, conflicting communications or deviation from clearance) which has or could have endangered the lighter-than-air vehicle, its occupants or any other person.	Select the applicable detailed event from the lists provided and considering whether the event is related to the action/inaction of the Air Navigation Services provider or the flight crew 4020000 - Aeronautical Information Service related event 2020500 - Deviation from an air traffic control clearance 2020800 - Flight crew deviation from applicable ATM procedures			ATM, NAV
AN5-3.3.2	(2) Airspace infringement.	2020400 - Controlled/restricted airspace infringement			NAV, MAC, OTHR depending on the consequences of the infringement
AN5-3.4	3.4. Emergencies and other critical situations		Too general		

AN5-3.4.1	(1) Any occurrence leading to an emergency call.	Select any of the following events as applicable 3020200 - Declared emergency - Urgency (PAN call) 3020100 - Declared emergency - Distress (Mayday) Note: These event describe the “outcome”. Also enter the events that preceded the declaration of the emergency.			Occurrence category depending on events leading to the emergency call
AN5-3.4.2	(2) Fire, explosion, smoke or toxic fumes in the lighter-than-air vehicle (beyond the normal operation of the burner).	Select the appropriate event from the list under 990100 - Aircraft General Explosions / Fire/ Fumes / Smoke Outcome Events Note: These event describe the “outcome”. Also enter the events that preceded the fire/smoke etc.			F-NI
AN5-3.4.3	(3) Lighter-than-air vehicle's occupants ejected from basket or gondola.	99010094 - Person fell/ejected from basket			OTHR
AN5-3.4.4	(4) Incapacitation of the pilot leading to inability to perform any duty.	2040100 - Flight crew incapacitation/illness/medical issue			MED
AN5-3.4.5	(5) Unintended lift or drag of ground crew, leading to fatality or injury of a person.	99012048 - Lift/ Drag of Ground Personnel			OTHR
AN5-3.5	3.5. External environment and meteorology		Too general		
AN5-3.5.1	(1) A collision or near collision on the ground or in the air, with an aircraft, terrain or obstacle, which has or could have endangered the lighter-than-air vehicle, its occupants or any other person.	Select the appropriate event type from the lists under 2180000 - Airborne collisions and near collisions in the air 2050400 - Aircraft collisions and near collisions with object/obstacle on ground 2050200 - An aircraft collision with the terrain or obstacles whilst in the air			CTOL, CFIT, MAC depending on the event types describing the collision/ near collision
AN5-3.5.2	(2) Interference with the lighter-than-air vehicle by firearms, fireworks, flying kites, laser illumination, high powered lights lasers, Remotely Piloted Aircraft Systems, model aircraft or by similar means.	Select the applicable detail event from the list under 2270000 - Interference with aircraft			SEC
AN5-3.5.3	(3) Unexpected encounter of adverse weather conditions which has or could have endangered the lighter-than-air vehicle, its occupants or any other person.	Select the appropriate event type from the list under 2220000 - Weather encounters related event			WSTRW, TURB, UIMC depending on the event types describing the specifics of the “unexpected”

		In particular: 2220700 - Aircraft encountered other unexpected weather conditions			<i>weather</i>
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