ECCAIRS Aviation 1.3.0.12 Data Definition Standard English

Attribute Values

| ECCAIRS Aviation 1.3.0.12 | VL for AttrID: 391 - Event Phases |
|--|--|
| Powered Fixed-wing aircraft. (Powered Fixed-wing aircraft) | 10000 |
| This section covers flight phases specifically adopted for the operation of a powered fixed-wing | g aircraft. |
| Standing. (Standing) | 10100 |
| The phase of flight prior to pushback or taxi, or after arrival, at the gate, ramp, or parking | g area, while the aircraft is stationary. |
| Standing : Engine(s) Not Operating. (Standing : Engine(s) Not Operating) | 10101 |
| The phase of flight, while the aircraft is standing and during which no aircraft eng | gine is running. |
| Standing : Engine(s) Start-up. (Standing : Engine(s) Start-up) | 10102 |
| The phase of flight, while the aircraft is parked during which the first engine is sta | arted. |
| Standing : Engine(s) Run-up. (Standing : Engine(s) Run-up) | 990899 |
| The phase of flight after start-up, during which power is applied to engines, for a | pre-flight engine performance test. |
| Standing : Engine(s) Operating. (Standing : Engine(s) Operating) | 10103 |
| The phase of flight following engine start-up, or after post-flight arrival at the desi | tination. |
| Standing : Engine(s) Shut Down. (Standing : Engine(s) Shut Down) | 10104 |
| Engine shutdown is from the start of the shutdown sequence until the engine(s) | cease rotation. |
| Standing : Other. (Standing : Other) | 10198 |
| An event involving any standing phase of flight other than one of the above. | |
| Taxi. (Taxi) | 10200 |
| The phase of flight in which movement of an aircraft on the surface of an aerodrome un off and landing. ICAO Annex 2. | |
| Push-back/tow. (Push-back/tow) | 10201 |
| The phase of flight when an aircraft is moving in the gate, ramp, or parking area, a tow vehicle [tug]. | |
| Note: unassisted movement in the gate or ramp area is included in the taxiing ph Assisted, Engine(s) Not Operating. (Assisted, Engine(s) Not Operatir | |
| | |
| The phase of flight when an aircraft is moved in the gate, ramp, or parking which no engine is running. | |
| Assisted, Engine(s) Start-up. (Assisted, Engine(s) Start-up) | 990826 |
| The phase of flight when an aircraft is moved in the gate, ramp, or parking time of the first engine startup sequence until last engine startup sequence | |
| Assisted, Engine(s) Operating. (Assisted, Engine(s) Operating) | 990827 |
| The phase of flight when an aircraft is moved in the gate, ramp, or parking engines have been started-up or before the shut-down sequence has been started-up or before the shut-down sequence has been started and the shut-down sequence has been started as the shut-down sequence has b | |
| Assisted, Engine(s) Shutting Down. (Assisted, Engine(s) Shutting Do | own) 990828 |
| Engine shutdown is from the start of the shutdown sequence until the eng | gine(s) cease rotation. |
| Power back (Power back) | 990914 |
| The aircraft is reversing under it's own power from the parking position. | |
| Taxiing to/from runway. (Taxiing to/from runway) | 10202 |
| The phase of flight, after reaching the movement area, when the aircraft progres runway, or post-flight moves under its own power after leaving the landing runwa | |
| Taxi to runway. (Taxi to runway) | 990829 |
| Commences when the aircraft begins to move under its own power leavin and terminates upon reaching the runway. | ng the gate, ramp, apron, or parking area, |
| Taxi to take-off position. (Taxi to take-off position) | 990830 |
| From entering the runway until reaching the take-off position. | |
| Taxi from runway. (Taxi from runway) | 990831 |
| Begins upon exiting the landing runway and terminates upon arrival at the when the aircraft ceases to move under its own power. | e gate, ramp, apron, or parking area, |
| Maintaining position. (Maintaining position) | 990832 |
| Maintaining position at holding point. | |
| High speed taxi trial. (High speed taxi trial) | 990833 |
| High speed taxi trial: taxiing on a runway/taxiway at high speed to test/check the | aircraft. |
| Taxiing: Other. (Taxiing: Other) | 10298 |

ECCAIRS Aviation 1.3.0.12

An event involving any phase of taxiing other than one of the above.

Take-off. (Take-off)

The phase of flight from the application of take-off power until reaching the first prescribed power reduction, or until reaching the VFR pattern or 1000 feet (300 metres) above runway end elevation, whichever comes first or the termination (abort) of the take-off.

Note: this slightly differs from the previous definition where 1,500 feet (450 metres) above runway end elevation was specified.

Take-off run. (Take-off run)

The phase of flight from the application of take-off power, through the take-off roll and rotation up to 35 feet [12 metres] above runway end elevation or until gear-up selection, whichever comes first.

Rejected take-off. (Rejected take-off)

The phase of flight in which any attempt is made to terminate a take-off between the application of take-off power, through rotation and up to 35 feet [or 12 metres] above the elevation of the runway end (from the point where the decision to abort has been taken until the aircraft begins to taxi from the runway).

Initial climb. (Initial climb)

From the end of the Takeoff run sub-phase to the first prescribed power reduction, or until reaching 1000 feet above runway elevation or the VFR pattern, whichever comes first.

Note: this slightly differs from the previous definition where 1,500 feet (450 metres) above runway elevation was specified.

Climb into traffic pattern. (Climb into traffic pattern)

The phase of flight from 35 feet [12 metres] above runway end elevation to the first prescribed power reduction on reaching the VFR pattern. Applies to pilot training in which the aircraft's climb phase is not intended to reach altitude.

Emergency descent during take-off. (Emergency descent during take-off)

The phase of flight in which an intentional descent is made, in response to an emergency, which occurs after rotation but before the first prescribed power reduction, on reaching 1000 feet (300 metres) or the VFR pattern, whichever comes first.

Note: this slightly differs from the previous definition where reaching 1,500 feet (450 metres) was specified.

Uncontrolled descent during take-off. (Uncontrolled descent during take-off)

The phase of flight in which any uncontrolled descent occurs after rotation but before the first prescribed power reduction, on reaching 1000 feet (300 metres) or the VFR pattern, whichever comes first.

Note: this slightly differs from the previous definition where reaching 1,500 feet (450 metres) was specified.

Take-off: Other. (Take-off: Other)

The phase of flight in which any event occurs during take-off, other than one of the above.

En-route. (En-route)

Instrument Flight Rules (IFR): From completion of Initial Climb through cruise altitude and completion of controlled descent to the Initial Approach Fix (IAF).

Visual Flight Rules (VFR): From completion of Initial Climb through cruise and controlled descent to the VFR pattern altitude or 1000 feet above runway elevation, whichever comes first.

Note: this slightly differs from the previous definition where 1,500 feet (450 metres) above runway elevation was specified.

Climb to cruising level or altitude. (Climb to cruising level or altitude)

Climb to Cruise:

IFR: From completion of Initial Climb to arrival at initial assigned cruise altitude. VFR: From completion of Initial Climb to initial cruise altitude.

Cruise. (Cruise)

The phase of flight from the top of climb to cruise altitude, or flight level, to the start of the descent toward the destination aerodrome or landing site.

Any level flight segment after arrival at initial cruise altitude until the start of descent to the destination.

Change of cruise level.. (Change of cruise level)

The phase of flight during which the aircraft climbs, or descends, from one cruising flight level or altitude to the next cruising flight level or altitude.

Any climb or descent during cruise after the initial climb to cruise, but before descent to the destination.

Includes: cruise climb. An aeroplane cruising technique resulting in a net increase in altitude as the aeroplane mass decreases. ICAO DOC 4444

Normal descent. (Normal descent)

Normal descent:

IFR: Descent from cruise to either Initial Approach Fix (IAF) or VFR pattern entry. VFR: Descent from cruise to the VFR pattern entry or 1000 feet above the runway elevation, whichever comes first.

Note: this slightly differs from the previous definition where 1,500 feet (450 metres) above the runway elevation was specified.

VL for AttrID: 391 - Event Phases

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| | Emergency descent en-route. (Emergency descent en-route) |
|------------------------|--|
| | The phase of flight in which an intentionally rapid, or premature, descent is made en-route, in response to an in-flig |
| | emergency. The descent is controlled by the crew. |
| | Uncontrolled descent en-route. (Uncontrolled descent en-route) |
| | The phase of flight in which the aircraft descends uncontrolled. |
| | En-route - holding. (En-route - holding) |
| | Execution of a predetermined maneuver (usually an oval race track pattern) which keeps the aircraft within a special airspace while awaiting further clearance. Note: descent during holding is also covered in this sub-phase. A holding procedure executed at the IAF is also in in this sub-phase. |
| | En-route: Other. (En-route: Other) |
| | Any phase of flight en-route, other than one of the above. |
| lano | euvring. (Manoeuvring) |
| n ev ccele | ent involving a phase of flight in which planned low-level flight, or attitude, or planned abnormal attitude, or abnorm eration occurs. Ititude/aerobatic flight operations |
| 0 // U | Aerobatics. (Aerobatics) |
| | An event involving any phase of flight in which manoeuvring into an abrupt change in attitude, abnormal attitude o abnormal acceleration occurs (usually associated with air shows and military flight). |
| | Any intentional maneuvering that exceeds 30 degrees of pitch attitude or 60 degrees of bank, or both, or abnorma acceleration. |
| | Low flying. (Low flying) |
| | The phase of flight made at a height below the normal minima, e.g. in preparation for, or during, observation work demonstration, photography work, aerial application, training, sight seeing, ostentatious display, or other similar and |
| | Intentional low-altitude flight not connected with a landing or takeoff. |
| | Emergency descent. (Emergency descent) |
| | The phase of flight in which an intentionally rapid or premature descent, from a previously normal manoeuvre, is r response to an in-flight emergency. The descent is controlled by the crew. |
| | Uncontrolled descent. (Uncontrolled descent) |
| | The phase of flight in which an uncontrolled descent from a previously normal manoeuvre occurs. |
| | Manoeuvring: Other (Manoeuvring: Other) |
| | An event involving any phase of manoeuvring flight other than one of the above. |
| opro | pach. (Approach) |
| ·· Гhe pl he fla | hase of flight from the outer marker to the to the point of transition from nose-low to nose-high attitude immediately re above the runway [IFR]; or [VFR] from 1000 feet (300 metres) above the runway end elevation or from the point n entry to the flare above the runway. |
| lote: pecifi | this slightly differs from the previous definition where 1,500 feet (450 metres) above the runway end elevation was ied. |
| | Initial Approach (Initial Approach) |
| | Initial Approach (IFR): From the Initial Approach Fix (IAF) to the Final Approach Fix (FAF). |
| | Intermediate approach. (Intermediate approach) |
| | The phase of flight between the middle approach fix and the final approach fix; or between the end of a reversal |
| | procedure or dead-reckoning track procedure and the final approach fix. |
| | Final approach. (Final approach) |
| | Final approach. that part of an instrument approach procedure which commences at the specified final approach t point, or where such a fix or point is not specified, |
| | a) at the end of the last procedure turn, base turn or inbound turn of a racetrack procedure, if specified; or |
| | b) at the point of interception of the last track specified in the approach procedure; and ends at a point in the vicir aerodrome from which: |
| | 1) a landing can be made; or |
| | 2) a missed approach procedure is initiated. |

29 April 2013

Attribute Values

The phase of VFR flight from 1000 feet above runway end elevation (300 metres) or the point of VFR pattern entry; commences at about 45 degrees from the threshold, continues parallel to the runway in the direction opposite to landing and terminates upon initiating the turn to base leg.

Note: this slightly differs from the previous definition where 1,500 feet (450 metres) above runway end elevation was specified.

Circuit pattern - base leg. (Circuit pattern - base leg)

The phase of VFR flight from the start of the turn at end of downwind leg, then at 90 degrees to the landing runway until reaching the extended centre line off the approach end of the runway. Base turn: a turn executed by the aircraft during the initial approach between the end of the outbound track and the beginning of the intermediate or final approach track. The tracks are not reciprocal. Note: Base turns may be designated as being made either in level flight or while descending, according to the circumstances of each individual procedure.

Circuit pattern - final approach. (Circuit pattern - final)

The phase of flight between the start of the turn from base leg to a flight path along the extended runway centre line, to the runway.

Circuit pattern - crosswind. (Circuit pattern - crosswind)

A flight path of the VFR traffic pattern, which is perpendicular to the landing runway, crosses the departure end of the runway, and connects with the downwind leg.

Aborted - interrupted approach (before reaching decision height). (Aborted approach before decision height)

The phase of flight where the pilot aborts the approach during an ILS or other precision approach involving an abnormally early turn on approach before reaching minimum decision altitude or decision height.

Missed approach or go-around. (Missed approach or go-around)

Missed Approach/Go-Around: From the first application of power after the crew elects to execute a missed approach or go-around until the aircraft re-enters the sequence for a VFR pattern (go-around) or until the aircraft reaches the IAF for another approach (IFR)

| Emergency descent during approach. (Emergency descent during approach) | 10608 |
|---|----------|
| The phase of flight in which an intentionally rapid or promotyre descent is made in response to an in flight of | morgonov |

| I ne phase of flight in which an intentionally rapid or premature descent is made in response to an in-flight emergency |
|---|
| during approach. The descent is controlled by the crew. |
| |

Uncontrolled descent during an approach. (Uncontrolled descent during an approach) 10609

The phase of flight in which a previously normal descent during an approach becomes uncontrolled.

Approach - holding. (Approach - holding)

The phase of flight in which a pre-determined ad-hoc manoeuvre during the approach keeps the aircraft within a specified airspace awaiting further instructions.

Note: a holding procedure executed at the IAF is included in the En-route phase.

Approach : Other. (Approach : Other)

An event involving any phase of flight, while on approach, in which an event other than one of the above occurs.

Landing. (Landing)

ECCAIRS Aviation 1.3.0.12

The phase of flight from the point of transition from nose-low to nose-up attitude, immediately before landing (flare), through touchdown and until aircraft exits landing runway, comes to a stop or when power is applied for takeoff in the case of a touch-and-go landing, whichever occurs first.

Level off-touchdown. (Level off-touchdown)

The phase of flight from the point of transition from nose-low to nose-up attitude, just before landing, until touchdown.

Landing roll. (Landing roll)

The phase of flight from touchdown until the aircraft exits the landing runway or comes to a stop, whichever occurs first.

Landing roll - on runway (Landing roll - on runway)

Landing roll - on runway: the part of the landing roll when the aircraft is on the runway.

Landing roll - off runway (Landing roll - off runway)

Landing roll - off runway: the part of the landing roll after the aircraft left the runway by excursion to the side or overrun the end of the runway. Also to be used when the aircraft has landed beside, in front of (undershoot) or behind the runway. The intent is to assist in better qualifying the related events, in particular in regards to any damages sustained.

Added with 427 HF1 after April 2008. This implies that records compiled before that date do not contain this classification.

Landing aborted before touch-down (Landing aborted before touch-down)

The phase of flight in which an attempt is made to get airborne before touchdown (successful or not).

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| ECCAIRS Aviation 1.3.0.12 | VL for AttrID: 391 - Event Phases |
|---|--|
| Landing aborted after touch-down. (Landing aborted after touch-down) | 10703 |
| The phase of flight in which an attempt is made to get airborne after touchdown the take-off portion of a touch-and-go. | n (successful or not). This does not include |
| Emergency landing or off-runway landing. (Emergency landing or off-run | way landing) 10706 |
| The phase of flight where an intentional landing is made at a point other than a to an in-flight emergency. | a runway or normal landing site, in response |
| Landing: Other. (Landing: Other) | 10798 |
| An event involving any phase of flight while landing other than one of the abov | е. |
| Post-impact. (Post-impact) | 10800 |
| The phase, in an accident or incident sequence, after the aircraft has collided with the | first object, place or person. |
| Unknown. (Unknown) | 19900 |
| An event involving a phase of flight of the aircraft that is unknown or not recorded. | |
| Helicopter. (Helicopter) | 990824 |
| This section covers flight phases specifically adopted for the operation of helicopters. | |
| Standing. (Standing) | 990835 |
| The phase of flight prior to taxi, or after arrival, at the gate, ramp, landing or parking a | rea, while the helicopter is stationary. |
| Standing : Engine(s) Not Operating. (Standing : Engine(s) Not Operating) | 990844 |
| The phase of flight when an helicopter is parked at the ramp, or parking area, o | during which no engine is running. |
| Standing : Engine(s) Start-up. (Standing : Engine(s) Start-up) | 990845 |
| The phase of flight, while the helicopter is parked during which the first engine | is started. |
| Standing : Engine(s) Run-up. (Standing : Engine(s) Run-up) | 990847 |
| The phase of flight after start-up, during which power is applied to engines, for | a pre-flight engine performance test. |
| Standing : Engines operating. (Standing : Engine(s) Operating) | 990846 |
| The phase of flight following engine start-up, or after post-flight arrival at the de | estination. |
| Standing : Rotors turning. (Standing : Rotors turning) | 10105 |
| The phase of flight when the helicopter is standing with its rotors turning prior t | o take-off or after landing. |
| Standing : Other. (Standing : Other) | 990848 |
| An event involving any standing phase of flight other than one of the above. | |
| Taxi. (Taxi) | 990836 |
| Taxiing includes air taxiing for rotorcraft. | |
| Taxi to runway. (Taxi to runway) | 990849 |
| Commences when the helicopter begins to move leaving the gate, ramp, aprov | |
| reaching the runway. | |
| Taxi to take-off position. (Taxi to take-off position) | 990850 |
| From entering the runway until reaching the take-off position. | |
| Taxi from runway. (Taxi from runway) | 990851 |
| Begins upon exiting the landing runway and terminates upon arrival at the gate | e, ramp, apron, or parking area. |
| Maintaining position. (Maintaining position) | 990852 |
| Maintaining position at holding point. | |
| Air taxi/hover taxi. (Air taxi/hover taxi) | 10203 |
| Air-taxiing: movement of a helicopter above the surface of an aerodrome, norn norn normally less than 37 km/h (20 kt). ICAO Annex 2. | nally in ground effect and at a ground speed |
| Taxi : Other. (Taxi : Other) | 990853 |
| An event involving any phase of taxiing other than one of the above. | |
| Take-off. (Take-off) | 990837 |
| The phase of flight from the application of take-off power until reaching the first prescr VFR pattern or 1000 feet (300 metres) above runway end elevation, whichever comes off. | , |
| Note: this slightly differs from the previous definition where 1,500 feet (450 metres) at specified. | nove the runway end elevation was |

Running take-off. (Running take-off)

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| 20 April 2012 | Attribute Values | Page 7 of 16 |
|---------------|---|-------------------------|
| | Low flying. (Low flying) | 990873 |
| | Aerobatics. (Aerobatics) | 990872 |
| Manoe | euvring. (Manoeuvring) | 990839 |
| | En-route : Other. (En-route : Other) | 990871 |
| | En-route - holding. (En-route - holding) | 990870 |
| | Uncontrolled descent en-route. (Uncontrolled descent en-route) | 990869 |
| | Emergency autorotation en-route. (Emergency autorotation en-route) | 990868 |
| | Emergency descent en-route. (Emergency descent en-route) | 990867 |
| | Normal descent. (Normal descent) | 990866 |
| | Change of cruise level. (Change of cruise level) | 990865 |
| | Cruise. (Cruise) | 990864 |
| | Climb to cruising level or altitude. (Climb to cruising level or altitude) | 990863 |
| En-rou | ite. (En-route) | 990838 |
| | Take-off: Other. (Take-off: Other) The phase of flight in which any event occurs during take-off, other than one of the above. | 990862 |
| | | |
| | A descent during take-off phase in which the helicopter does not sustain controlled flight. Hovering/transition from hover to forward flight. (Hovering/transition from hover to forward flight) | 990861 |
| | Uncontrolled descent during take-off. (Uncontrolled descent during take-off) | 990859 |
| | A controlled descent during take-off phase in response to a perceived emergency situation. | |
| | Emergency descent during take-off. (Emergency descent during take-off) | 990858 |
| | Note: this slightly differs from the previous definition where 1,500 feet (450 metres) above runway elevation wa Climb into traffic pattern. (Climb into traffic pattern) | as specified. 990857 |
| | From the end of the Take-off run sub-phase to the first prescribed power reduction, or until reaching 1000 feet runway elevation or the VFR pattern, whichever comes first. | above |
| | Initial climb. (Initial climb) | 990855 |
| | Landback during rotorcraft operations is considered a rejected takeoff. | |
| | During take-off, from the point where the decision to abort has been taken until the helicopter begins to taxi fro runway. | om the |
| | Rejected take-off. (Rejected take-off) | 990856 |
| | A vertical take-off where the helicopter has already an external load attached. | |
| | Vertical take-off with external load attached. (Vertical take-off with external load attached) | 990860 |
| | Vertical take-off. (Vertical take-off) Vertical-take-off for helicopters. | 10307 |
| | positive rate of climb condition. | |
| ECCAIRS A | viation 1.3.0.12 VL for AttrID: 391 - Eve The take-off of an helicopter where the aircraft is accelerated on the surface until the speed is sufficient to esta | |
| | | |

| | Pick-up/positioning of external load. (Pick-up/positioning of external load) | 990874 |
|-------|--|---------|
| | Emergency descent. (Emergency descent) | 990875 |
| | Uncontrolled descent. (Uncontrolled descent) | 990877 |
| | Autorotative descent. (Autorotative descent) | 10507 |
| | Autorotative descent. Autorotation:a rotorcraft flight condition in which the lifting rotor is driven entirely by action of the air when the rotor in motion. During powered flight, the rotor drag is overcome with engine power. When the engine fails, or is deliberately dise from the rotor system, some other force must be used to sustain rotor RPM so controlled flight can be continued to | ngaged |
| | ground. This force is generated by adjusting the collective pitch to allow a controlled descent. Airflow during helico descent provides the energy to overcome blade drag and turn the rotor. When the helicopter is descending in this manner, it is said to be in a state of autorotation. | |
| | Emergency autorotation during manoeuvring. (Emergency autorotation during manoeuvring) | 990876 |
| | Autorotation – practice. (Autorotation – practice) | 990878 |
| | Hovering. (Hovering) | 990879 |
| | Hovering out of ground effect. (Hovering out of ground effect) | 10509 |
| | Hovering out of ground effect. The helicopter maintains a constant position at a selected point.Ground effect condition of improved performance encountered when operating near (within 1/2 rotor diameter) of the grout diameter of the grout diameter. | |
| | Hovering in ground effect. (Hovering in ground effect) | 10508 |
| | Hovering in ground effect.Hover: The helicopter maintains a constant position at a selected point. Ground effect is a condition of improved performance encountered when operating near (within 1/2 rotor di of the ground. | ameter) |
| | Manoeuvring : Other. (Manoeuvring : Other) | 990880 |
| | An event involving any phase of manoeuvring flight other than one of the above. | |
| Appro | pach. (Approach) | 990840 |
| | Transition forward flight to hover. (Transition forward flight to hover) | 990881 |
| | Initial Approach. (Initial Approach) | 990882 |
| | Intermediate approach. (Intermediate approach) | 990883 |
| | Final approach. (Final approach) | 990884 |
| | Circuit pattern - downwind. (Circuit pattern - downwind) | 990885 |
| | Circuit pattern - base leg. (Circuit pattern - base leg) | 990886 |
| | Circuit pattern - final approach. (Circuit pattern - final) | 990887 |
| | Circuit pattern - crosswind (Circuit pattern - crosswind) | 990915 |
| | A flight path of the VFR traffic pattern, which is perpendicular to the landing runway, crosses the departure end of runway, and connects with the downwind leg. | the |
| | Aborted approach before decision height. (Aborted approach before decision height) | 990888 |

| ECCAIRS Aviation 1.3.0.12 | VL for AttrID: 391 - Event Phases |
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| Missed approach or go-around. (Missed approach or go-around) | 990889 |
| Emergency descent during approach. (Emergency descent during approach |) 990890 |
| Emergency autorotation during approach. (Emergency autorotation during a | approach) 990891 |
| Uncontrolled descent during an approach. (Uncontrolled descent during an | approach) 990892 |
| Approach - holding. (Approach - holding) | 990893 |
| Approach : Other. (Approach : Other) | 990894 |
| An event involving any phase of flight, while on approach, in which an event other | r than one of the above occurs. |
| Landing. (Landing) | 990841 |
| Transition from forward flight to hovering / hovering on landing (Hovering - | landing) 10709 |
| Transition from forward flight to hovering / hovering on landing Hovering is a maneuver in which the helicopter is maintained in nearly motionless constant altitude and on a constant heading. | s flight over a reference point at a |
| Flare (Flare) | 990895 |
| Vertical landing (Vertical landing) | 10707 |
| Run-on landing. (Run-on landing) | 10704 |
| The phase of flight in which the helicopter lands with power on. | |
| Autorotative landing. (Autorotative landing) | 10705 |
| The phase of flight where the helicopter lands with no engine power being deliver helicopter is manoeuvring in an emergency situation following an engine failure, w | |
| Autorotation: a rotorcraft flight condition in which the lifting rotor is driven entirely l in motion. | by action of the air when the rotorcraft is |
| Landing aborted after touch-down. (Landing aborted after touch-down) | 990896 |
| Emergency landing or off-runway landing. (Emergency landing or off-runwa | y landing) 990897 |
| A phase of flight while landing other than one of the landing phases above. | (Landing - Other) 990901 |
| Post-impact. (Post-impact) | 990842 |
| Unknown. (Unknown) | 990843 |
| Iplane/Glider. (Sailplane/Glider) | 30000 |
| is section covers flight phases specifically adopted for the operation of gliders. The ADREP a es not record occurrences involving gliders or sailplanes. | ccident and incident reporting system |
| Standing. (Standing) | 30100 |
| The phase of flight involving the sailplane or glider when it is stationary with or without w | ings level. |
| Standing - tow/winch wire attached. (Standing - tow/winch wire attached) | 30101 |
| The phase of flight involving the sailplane or glider when it is stationary with, or wi attached. | ithout, wings level with the tow cable |
| Standing - after landing. (Standing - after landing) | 30102 |
| The phase of flight involving the sailplane or glider when it is stationary with, or wi Standing - Other (Standing - Other) | |
| Standing - Other. (Standing - Other) | 30109 |

| CAIRS Aviation 1.3.0.12 | VL for AttrID: 391 - Event | Phases |
|--|---|----------|
| Any phase of flight involving the sailpl phases above. | ane or glider when it is stationary with or without wings level other than one | of the |
| Take-off. (Take-off) | | 30300 |
| The phase of flight from the application of tak metres) above runway end elevation. | e-off power, [powered gliders] or pull from the tow, until reaching 1,500 fee | t (450 |
| Take-off run. (Take-off run) | | 30301 |
| The phase of flight from the applicatio climb is established. | n of take-off power, [powered gliders] or pull from the tow, until a positive ra | nte of |
| Take-off - initial climb. (Take-off - in | itial climb) | 30302 |
| feet (450 metres) above runway end e | of flight from the point where the aircraft ended the take-off run, until reachi elevation. aunched using a winch specific phases are provided. | ng 1,500 |
| Rejected take-off. (Rejected take-of | f) | 30303 |
| The phase of flight from the moment to stationary, wings level or not | hat a decision has been taken to discontinue the take-off until the aircraft is | |
| Emergency descent during take-off | (Emergency descent during take-off) | 30304 |
| emergency descent during take-off | | |
| Uncontrolled descent during take-o | ff (Uncontrolled descent during take-off) | 30305 |
| Uncontrolled descent during take-off, | e.g. after control was lost during the inital climb. | |
| Take-off: Other. (Take-off: Other) | | 30398 |
| Any other sub-phase of the take-off no | ot mentioned in the details above. | |
| Take-off - Winch launch. (Take-off - Winch | launch) | 990801 |
| A take-off where the glider is tugged up to rea | lease altitude by a winch. | |
| Winch-launch - Take-off run (Take-o | off run) | 990803 |
| The phase of flight from the applicatio | n of pull by a winch, until a positive rate of climb is established. | |
| Winch-launch - Initital climb (Initital | l climb) | 990804 |
| From the end of the take-off run to read | lease of the winch cable. | |
| Winch-launch - Rope release (Rope | release) | 990805 |
| The point during climb where the towi | ng rope has automatically been released, or manually released by the glide | r. |
| Winch-launch - rejected take-off. (R | ejected take-off) | 990806 |
| The phase of flight from the moment t winch, until the aircraft is stationary , w | hat a decision has been taken to discontinue the take-off , while beeing tow wings level or not | red by a |
| Winch launch - Uncontrolled desce | nt during take-off (Uncontrolled descent) | 990807 |
| Uncontrolled descent during take-off, | e.g. after control was lost during the climb, while beeing towed by a winch. | |
| Take-off - winch-launch: Other (Tak | e-off - winch-launch: Other) | 990902 |
| Take-off - Aircraft tow. (Take-off - Aircraft | tow) | 990802 |
| A take-off where the glider is tugged up to real | lease altitude by a towing aircraft. | |
| Aircraft tow - Take-off run (Take-off | run) | 990808 |
| The phase of flight from the applicatio | n of pull from the towing aircraft, until a positive rate of climb is established. | |
| Aircraft tow - Initital climb (Initital c | limb) | 990809 |
| The phase of flight from the point whe | re the aircraft ended the take-off run, until the release of the rope. | |
| Aircraft tow - Rope release (Rope re | elease) | 990810 |
| The point during climb where the towi | ng rope has automatically been released, or manually released by the glide | r. |
| Aircraft tow - rejected take-off. (Rej | ected take-off) | 990811 |
| The phase of flight from the moment t winch, until the aircraft is stationary , w | hat a decision has been taken to discontinue the take-off , while beeing tow wings level or not | red by a |
| Aircraft tow - Uncontrolled descent | | 990812 |
| Uncontrolled descent during take-off, | e.g. after control was lost during the climb, while beeing towed by an aircrai | ť. |
| Take-off - aircraft tow: Other (Take- | off - aircraft tow: Other) | 990919 |
| En-route. (En-route) | | 30400 |

| AIRS A | Aviation 1.3.0.12 VL for AttrID: 391 - Event | Phases |
|------------------|--|-----------|
| | completion of Initial Climb through cruise and controlled descent to the VFR pattern altitude or 1000 feet above run tion, whichever comes first. | iway |
| | Slope lift. (Slope lift) | 30401 |
| | Upward air current generated when a mass of air moves towards an up-sloping hill, allowing a glider to gain altitud the windward side. | de on |
| | Thermal lift. (Thermal lift) | 30402 |
| | Upward air current generated when a mass of air is heated near the earth surface, allowing a glider to gain altitud | le. |
| | Wave lift. (Wave lift) | 30403 |
| | Upward air current generated when a mass of air ondulates after passing over a mountain range, allowing a glider altitude on the climbing air wave element, usually recognizable by a cloud on top. | r to gain |
| | Cloud flying. (Cloud flying) | 30404 |
| | The phase of flight where the aircraft flies inside clouds (IMC conditions), to gain altitude in upward currents and occasionaly to descend through a cloud layer. | |
| | In search of lift. (In search of lift) | 30505 |
| | En-route portion of flight when a glider travels from a lifting area to another area where the pilot expects to find liftic conditions. | ing |
| | Normal descent. (Normal descent) | 30506 |
| | Descent from cruise to the airfield pattern entry or 1000 feet above the runway elevation, whichever comes first | |
| | Ferry towing. (Ferry towing) | 30405 |
| | En-route phase of a flight performed under tow from take-off to the vicinity of the destination, usually with the inter re-locating the glider to a different base. | ntion of |
| | Emergency descent en route (Emergency descent en route) | 30407 |
| | The phase of flight in which an intentionally rapid, or premature, descent is made en-route, in response to an in-flig emergency. The descent is controlled by the crew. | ight |
| | Uncontrolled descent en route (Uncontrolled descent en route) | 30408 |
| | The phase of flight in which the aircraft descends uncontrolled from an en-route phase | |
| | En-route - Other. (En-route - Other) | 30498 |
| | The phase of flight en-route that is not described in the details above. | |
| Appro | bach. (Approach) | 30600 |
| The pi first. | hase of flight in descent starting when the aircraft entered the landing pattern or 1.000 ft altitude AGL, whichever co | omes |
| | Final glide - goal run. (Final glide - goal run) | 30406 |
| | Final approach at high speed to a runway taking advantage of ground effect conditions to arrive in the minimum p amount of time (used in competition) | ossible |
| | Circuit pattern - downwind. (Circuit pattern - downwind) | 30601 |
| | The phase of flight in approach where the aircraft follows the aerodrome pattern and performs a circuit leg paralel runway in an heading opposite to the one in landing | to the |
| | Circuit pattern - base leg. (Circuit pattern - base leg) | 30602 |
| | The phase of flight in approach where the aircraft follows the aerodrome pattern and performs a circuit leg perpent to the runway before reaching the runway extension line. | ndicular |
| | Circuit pattern - final approach. (Circuit pattern - final) | 30603 |
| | The phase of flight in approach where the aircraft follows the aerodrome pattern and performs a circuit leg aligned the runway for landing. | d with |
| | Circuit pattern - crosswind (Circuit pattern - crosswind) | 990916 |
| | A flight path of the VFR traffic pattern, which is perpendicular to the landing runway, crosses the departure end of runway, and connects with the downwind leg. | the |
| | Emergency descent. (Emergency descent) | 30604 |
| | The phase of flight during the approach in which an intentional descent is made, in response to an emergency | |
| | Uncontrolled descent. (Uncontrolled descent) | 30605 |
| | The phase of flight during the approach in which the aircraft descends uncontrolled. | |
| | | |
| | Approach: Other. (Approach: Other) | 30698 |
| | Approach: Other. (Approach: Other) The phase of flight in approach not described by another approach explanation. | 30698 |

| ECCAIRS Aviation 1.3.0.12 | VL for AttrID: 391 - Event Phases |
|---|---|
| Level-off/touchdown. (Level-off/touchdown) | 30701 |
| The phase of flight from the point of transition from nose-low to nose-level attitud until the landing gear makes permanent contact with the ground. | le, immediately before landing (flare), |
| Landing roll. (Landing roll) | 30702 |
| The phase of flight from the point when the landing gear makes permanent conta the landing runway or comes to a stop. | act with the ground, until the aircraft exits |
| Landing after failed launch. (Landing after failed launch) | 30703 |
| The phase of flight from the point where the towing operation was interrupted un comes to a stop. | til the aircraft exits the landing runway or |
| Off-field landing. (Off-field landing) | 990813 |
| For landing off the landing field which did not involve an emergency. | |
| Emergency landing. (Emergency landing) | 30704 |
| Emergency landing - an emergency landing other than a landing after failed laure specifics of the landing sub phases are not relevant as a result of the nature of the Landing: Other. (Landing: Other) | |
| Any other phase during landing | 00700 |
| Post-impact. (Post-impact) | 30800 |
| The phase, in an accident or incident sequence, after the sailplane, or glider, has collide | |
| Unknown. (Unknown) | 39900 |
| The phase of flight of the sailplane or glider is unknown or not recorded. | 00000 |
| Hang/Para-glider. (Hang/Para-glider) | 40000 |
| This section covers flight phases specifically adopted for the operation of hang and para-glider provided to permit exchange of related data between States. | |
| Standing. (Standing) | 40100 |
| The phase of flight where the pilot stands in the same place while preparing for flight (so the wind, etc) | tabilizing the aircraft, facing or opposing |
| Ground check. (Ground check) | 40101 |
| The preparation for flight during standing by checking the equipment, the enviror | ment, etc. |
| Other. (Other) | 40198 |
| Any other phase during standing. | |
| Take-off. (Take-off) | 40300 |
| The phase of flight from starting to move into the wind until the the moment were the pil | ot looses contact with the ground. |
| Foot launch. (Foot launch) | 40301 |
| A take-off where the pilot obtains flying speed by running into the wind or jumpin | g from an elevated location |
| Winch launch. (Winch launch) | 40302 |
| A take-off where the Hang/Para-glider is tugged into release altitude by a winch. | |
| Aerotow launch (Aerotow launch) | 40303 |
| A take-off where the Hang/Para-glider is tugged into release altitude by another | aircraft. |
| Aborted launch. (Aborted launch) | 40304 |
| The phase of flight from the moment that a decision has been taken to discontine stationary | ue the take-off, until the aircraft is |
| Initial climb (Initial climb) | 40305 |
| The phase of flight from the point where the aircraft ended the take-off, until the above the lauching point is reached. | moment where an height of 15 m (50 ft) |
| Uncontrolled descent in the take-off phase (Uncontrolled descent) | 40306 |
| The phase of flight in which the aircraft descends uncontrolled from a take-off flig | ght phase. |
| Take-off: Other (Take-off: Other) | 40398 |
| An event involving any phase of flight while climbing other than one of the above | |
| En-route. (En-route) | 40500 |
| Phase of flight from completion of Initial Climb through cruise and controlled descent to above landing point elevation. Slope lift. (Slope lift) | the VFR pattern altitude or 100 feet 40501 |
| | -0301 |

Upward air current generated when a mass of air moves towards an up-sloping hill, allowing a glider to gain altitude. Thermal lift. (Thermal lift) 40502 Upward air current generated when a mass of air is heated near the earth surface, allowing a glider to gain altitude. Normal descent. (Normal descent) 990814 Descent from cruise to pattern altitude or 100 feet above landing point, whichever comes first Emergency descent en route (Emergency descent en route) 40503 The phase of flight in which an intentional descent is made, in response to an emergency 40504 Uncontrolled descent en route (Uncontrolled descent en route) The phase of flight in which the aircraft descends uncontrolled. En-route: Other (En-route: Other) 40598 An event involving any phase of flight while en-route other than one of the above. Approach. (Approach) 40600 The phase of flight in descent starting when the aircraft entered the landing pattern or 100 ft altitude AGL, whichever comes first. Circuit pattern - downwind. (Circuit pattern - downwind) 40601 The phase of flight in approach where the aircraft follows the flight site/aerodrome pattern and performs a circuit leg paralel to the landing direction in an heading opposite to the one in landing Circuit pattern - base leg. (Circuit pattern - base leg) 40602 The phase of flight in approach where the aircraft follows the flightsite/aerodrome pattern and performs a circuit leg perpendicular to the landing direction before reaching the runway extension line. Circuit pattern - final approach. (Circuit pattern - final) 40604 The phase of flight in approach where the aircraft follows the flight site/aerodrome pattern and performs a circuit leg aligned with the landing direction. Circuit pattern - crosswind (Circuit pattern - crosswind) 990917 A flight path of the VFR traffic pattern, which is perpendicular to the landing runway, crosses the departure end of the runway, and connects with the downwind leg. Straight in. (Straight in) 990815 The phase of flight in approach where the aircraft trajectory is directly pointed at the intended landing point. 40605 **Emergency descent (Emergency descent)** The phase of flightduing an approach in which an intentional descent is made, in response to an emergency Uncontrolled descent. (Uncontrolled descent) 40606 The phase of flight during an approach in which the aircraft descends uncontrolled. Approach: Other (Approach: Other) 40698 Any other phase during approach 40700 Landing. (Landing) The phase of flight from the end of approach, immediately before landing (flare), through touchdown and until aircraft exits the landing runway or comes to a stop. Level-off-touchdown. (Level-off-touchdown) 40701 The phase of flight from the point of transition from nose-low to nose-level attitude, immediately before landing (flare). until the landing gear makes permanent contact with the ground. 40798 Landing: Other (Landing: Other) A phase of landing other than level-off- touch down Off-field landing (Off-field landing) 990900 Landing outside an area designated for landing Post-impact. (Post-impact) 40800 The phase, in an accident or incident sequence, after the hang glider, or para glider, has collided with the first object, place or person. Unknown. (Unknown) 49900 The phase of flight of the hang glider, or paraglider, is unknown or not recorded. 50000 Balloon. (Balloon) This section covers flight phases specifically adopted for the operation of balloons. The ADREP accident and incident reporting system does not record occurrences involving balloons.

Standing. (Standing)

ECCAIRS Aviation 1.3.0.12

50100

VL for AttrID: 391 - Event Phases

| CAIRS Aviation 1.3.0.12 | VL for AttrID: 391 - Event Phases |
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| The phase of flight prior to take-off while the ballon is stationary on the groiund. | |
| Assembly and checking (ground check). (Assembly & checking) | 50101 |
| The preparation for flight during standing by checking the equipment, the enviror | ment, etc. |
| Cold air ventilation. (Cold air ventilation) | 50102 |
| The initial inflation of the envelope using cold air supplied by a fan | |
| Hot air inflating. (Hot air inflating) | 50103 |
| The final phase of inflation of the envelope using air heated by a flame form the | burners |
| Valve control test ("parachute test"). (Valve control test) | 50104 |
| The phase in standing when the opening and closing of the top envelope valve | |
| Any other phase of flight before take-off. (Standing: Other) | 50198 |
| Any other phase of flight in standing other than one of the above. | |
| Take-off. (Take-off) | 50300 |
| The phase of flight where buoyancy is increased over the weight of the ballon to provide | e ascension |
| Weighting. (Weighting) | 50301 |
| The determination of neutral buoyancy of a balloon by taking weight off at launch | 'n. |
| Let-go. (Let-go) | 50302 |
| The release of the ballon from tie-down to the ground or objects, vehicles, etc on | n the ground. |
| Initial climb. (Initial climb) | 50303 |
| The phase of flight were a ballon is steadilly rising from the gound up to an eleva ft) | ation over the launching point of 90m (300 |
| Take-off: Other (Take-off: Other) | 50398 |
| Any phase of flight while in take-off other than one of the above | |
| En-route. (En-route) | 50400 |
| The phase of flight from completion of Initial Climb through cruise and controlled descer intended landing point elevation | nt approach altitude or 300 feet above |
| Stabilized climb. (Stabilized climb) | 50401 |
| The phase of flight were a ballon is steadilly rising from the end of initial climb to | intended altitude level |
| Level flight. (Level flight) | 50402 |
| The phase of flight were a ballon is translating at a steady altitude level | |
| Stabilized descent. (Stabilized descent) | 50403 |
| The phase of flight were a ballon is steadilly descending beteewn two altitude lev | vels |
| En-route: Emergency descent (En-route: Emergency descent) | 50404 |
| The phase of flight in which an intentional descent is made, in response to an en | nergency |
| En-route: Uncontrolled descent (En-route: Uncontrolled descent) | 50405 |
| The phase of flight in which the ballon descends uncontrolled. | |
| En-route: Other (En-route: Other) | 50498 |
| An event involving any phase of flight while en-route other than one of the above | <i>).</i> |
| Approach. (Approach) | 50600 |
| The phase of flight in descent starting when the ballon is descending continuously or by landing area. | altitude steps aiming at a choosen |
| Final approach - normal (using planned glide slope). (Final approach - norm | nal) 50601 |
| The phase of flight aiming at a chosen landing point, in ground proximity when the progressively the rate of descent and to avoid obstacles in the landing area | ne ballon is being controlled to decrease |
| Approach: Emergency descent. (Approach: Emergency descent) | 50602 |
| The phase of flight in which an intentional descent is made, in response to an en | nergency during an approach |
| Approach: Uncontrolled descent (Approach: Uncontrolled descent) | 50603 |
| The phase of flight in which the ballon descends uncontrolled during an approac | h. |
| Go-around. (Go-around) | 50708 |
| A climb initiated when on approach to prevent a landing | |
| Approach: Other (Approach: Other) | 50698 |

| CCAIRS Aviation 1.3.0.12 | VL for AttrID: 391 - Event Phases |
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| Any phase of flight during an approach other than one of the above. | |
| Landing. (Landing) | 50700 |
| The phase of flight from the end of approach, immediately before landing (flare) horizontal motion. |), through touchdown and until the ballon stops |
| Flare. (Flare) | 50701 |
| The phase of flight before landing, wherein the balloon's descent is redu surface. | iced to a path nearly parallel to the landing |
| Touch-down. (Touch-down) | 50702 |
| The phase of flight in landing when the ballon makes contact with the gro | ound surface |
| Tumbling (Tumbling) | 50703 |
| The phase of landing during which the basket capsizes or overturns. | |
| Dragging. (Dragging) | 50704 |
| The phase of landing during which the basket is dragged along the grou | nd. |
| Tear-away panels or valve opening. (Tear-away panels or valve ope | oning) 50705 |
| The phase of landing during which the tear-way panels or deflations valv deflating. | es are opened and the envelope is rapidly |
| Pilot light extinction. (Pilot light extinction) | 50706 |
| The pahse during which the flame used to light the main burners' flame i | is extinguished |
| Deflating. (Deflating) | 50707 |
| The phase during which the envelope is deflated / emptied. | |
| Landing: Other (Landing: Other) | 50798 |
| Any phase of flight while landing other than one of the above. | |
| Post-impact. (Post-impact) | 50800 |
| The phase, in an accident or incident sequence, after the balloon has collided w | vith the first object, place or person. |
| Unknown. (Unknown) | 59900 |
| The phase of flight of the balloon is unknown or not recorded. | |
| arachuting (Parachuting) | 990903 |
| he phases of flight encountred during parachuting. | |
| Pre-flight preparation (Pre-flight preparation) | 990904 |
| The phase during which the equipment id prepared and checked before the jurn | np. |
| Leaving the aircraft (Leaving the aircraft) | 990905 |
| Free falling (Free falling) | 990906 |
| Parachute opening (Parachute opening) | 990907 |
| The phase during which the parachute opens. | |
| Descend with parachute open (Descend with parachute open) | 990908 |
| Uncontrolled descent (Uncontrolled descent) | 990913 |
| Any descent not under the control of the parachutist, e.g. when the parachute d entangled etc. | |
| Approach/landing preparation (Approach/landing preparation) | 990909 |
| Landing (Landing) | 990910 |
| Post landing (Post landing) | 990911 |
| The phase after the parachutist has made contact with the ground. | |
| Other (Other) | 990912 |
| Any other flight phase during parachuting. | |
| laintenance phases. (Maintenance phases) | |

| ECCAIRS Aviation 1.3.0.12 | VL for AttrID: 391 - Event Phases |
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| This section covers flight phases specifically adopted for the maintenance phases. | |
| Aircraft repair. (Aircraft repair) | 990817 |
| During maintenance that was performed to restore a type-certificated product to "c | ondition for safe operation." |
| Aircraft modification. (Aircraft modification) | 990818 |
| During maintenance that was performed to adds to and/or removes from the type | -certificated product's configuration |
| Scheduled maintenance. (Scheduled maintenance) | 990819 |
| During maintenance that was performed on a regular basis, usually based on hou | rs or cycles performed, or on time periods |
| Non-scheduled maintenance. (Non-scheduled maintenance) | 990820 |
| Maintenance performed whenever found to be necessary when detecting a fault o manufacturer | or when so determined by an authority or a |
| Air worthiness directive. (Air worthiness directive) | 990821 |
| During the execution of an air worthiness directive: An airworthiness direct Civil Aviation Authority which mandates actions to be performed on an air when evidence shows that the safety level may otherwise be compromised design | craft to restore an acceptable level of safety, |
| Service bulletin. (Service bulletin) | 990822 |
| An instruction issued by an aircraft or product manufacturer that recommen certain components, performing maintenance in a specific manner or limiti may became mandatory if so determined by a Civil Aviation Authority (for i | ng operations under specified conditions. A SB |
| Other. (Other) | 990823 |
| During any other maintenance other than one of the above. | |
| Unknown aircraft category (Unknown aircraft category) | 990000 |
| The type of aircraft involved in the phase of flight is unknown or not recorded. | |
| Standing. (Standing) | 990100 |
| Taxi. (Taxi) | 990200 |
| Take-off. (Take-off) | 990300 |
| En-route. (En-route) | 990400 |
| Manoeuvring. (Manoeuvring) | 990500 |
| Approach. (Approach) | 990600 |
| Landing. (Landing) | 990700 |
| Post-impact. (Post-impact) | 990800 |
| The phase, in an accident or incident sequence, after the unknown type of aircraft person. | t has collided with the first object, place or |