

AERODROME EVENTS

DEFINITIONS AND USAGE NOTES

May 2011 (1.0)



The Aerodrome Common Taxonomy is a high level categorization of some of the elements related to aerodrome events and systems. It permits the association of specific aerodrome and navigation aid systems with occurrences.



RECORD OF REVISIONS

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TABLE OF TERMS

AERODROME & GROUND AIDS	2
Ground Aids Generally	2
Aerodrome Approach Systems	2
Instrument Landing System (ILS)	2
Global Positioning System (GPS)	2
Marker Beacon	2
Non-Directional Beacon (NDB)	2
Distance Measuring Equipment (DME)	2
VHF Omni-directional Radio Range (VOR)	2
Precision Approach Path Indicator (PAPI)	3
Microwave Landing Systems (MLS)	3
Precision Approach Radar (PAR)	3
Visual Approach Slope Indicator (VASI)	3
Aerodrome Systems	4
Lighting	4
Aerodrome Approach Lighting	4
Runway Lighting	4
Taxiway Lighting	4
Apron Lighting	4
Other Equipment	4
Signs	4
Markings	5
Runway Marking	5
Taxiway Marking	5
Apron Marking	5
Obstacle Marking	6
Overrun Catch Equipment	6
Winch-Launch Equipment	6
Winch Failed	6
Winch-Launch Cable Broke	6
Other Winch-Launch Equipment Related Event	6
Main Power	6
Back-up Power	6
Aerodrome Services/Operations	7
Apron Management	7
Snow/Ice Removal	7
Maintenance	7
Foreign Object Control	7
Bird Control	7
Wildlife Control	7
Vehicle/Equipment Operations	7
Vehicle – Vehicle Collision	7
Vehicle – Person Collision	8
Aircraft Struck/Damaged by Vehicle	8
Vehicle – Object Collision	8
Vehicle Traffic Violation	8
Ground Handling Services	9



Line Maintenance _____	9
De-Icing _____	9
Aircraft Marshaling _____	9
Aircraft Parking _____	9
Loading _____	9
Incorrect Loading _____	9
Incorrect Fuel Balance _____	9
Incorrect Flight Plan _____	9
Loading of Baggage _____	9
Loading of Cargo _____	10
Loading – Other _____	10
Servicing _____	10
Fuelling _____	10
Catering _____	10
Fluid Servicing _____	10
Servicing – Other _____	10
Cargo Related _____	11
Cargo Handling _____	11
Cargo Acceptance _____	11
Cargo Weighting _____	11
Cargo Labeling _____	11
Cargo Packaging _____	11
Cargo Moving _____	11
Cargo Loading/Unloading _____	11
Cargo Security Check _____	11
Cargo Stowage _____	12
Aerodrome Security _____	13
Unlawful Entry _____	13
Sabotage _____	13
Other Aerodrome Security Related Event _____	13
Functioning/Layout Generally _____	14
Aerodrome Layout _____	14
Aerodrome Functioning _____	14



INTRODUCTION

The International Civil Aviation Organization (ICAO) and the Commercial Aviation Safety Team (CAST), which includes Government officials and aviation industry leaders, have jointly chartered the CAST/ICAO Common Taxonomy Team (CICTT). The team was charged with developing common taxonomies and definitions for aviation accident and incident reporting systems. The common taxonomies and definitions are intended to improve the aviation community's capacity to focus on common safety issues. CICTT includes experts from air carriers, aircraft manufacturers, engine manufacturers, pilot associations, regulatory authorities, transportation safety boards, and ICAO, and members from Canada, the European Union, France, Italy, Japan, the Netherlands, the United Kingdom, and the United States. CICTT is co-chaired by a representative from ICAO and a representative from CAST.

To accomplish its objectives, CICTT has developed the following common taxonomies and definitions: Phase of Flight; Occurrence Categories; Aircraft Make/Model/Series tables; Engine Make/Model tables; and a detailed taxonomy for accident/incident data systems.

It is important to note that CICTT does not expect governments, international organizations, and corporations to immediately change existing data systems or existing definitions. The intent is to provide "target" taxonomies and definitions for adoption by organizations planning for, and implementing new safety systems.

The Aerodrome Common Taxonomy is a high level categorization of some of the elements related to aerodrome events and systems. It permits the association of specific aerodrome and navigation aid systems with occurrences. Aviation safety data show that the vast majority of accidents occur at or very near aerodromes. Therefore the Aerodrome Common Taxonomy should greatly enhance the ability to analyze and identify key safety issues, by enabling coding of critical aerodrome elements.

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AERODROME & GROUND AIDS

An event involving an aerodrome and ground aids generally.

GROUND AIDS GENERALLY

An event involving ground aids generally.

Aerodrome Approach Systems

An event involving an aerodrome approach system.

Instrument Landing System (ILS)

An event involving an instrument landing system (ILS).

Global Positioning System (GPS)

An event involving the global positioning system.

Usage Notes:

- GPS: The satellite navigation system operated by the United States.

Marker Beacon

An event involving a marker beacon.

Non-Directional Beacon (NDB)

An event involving a non-directional beacon.

Distance Measuring Equipment (DME)

An event involving a distance measuring equipment.

VHF Omni-directional Radio Range (VOR)

An event involving a very high frequency Omni-directional radio Range.



Precision Approach Path Indicator (PAPI)

An event involving a precision approach path indicator.

Microwave Landing Systems (MLS)

An event involving a microwave landing system (MLS).

Precision Approach Radar (PAR)

An event involving a precision approach radar.

Visual Approach Slope Indicator (VASI)

An event involving a visual approach slope indicator.



AERODROME SYSTEMS

An event involving an aerodrome system.

Lighting

An event involving an aerodrome lighting system.

Aerodrome Approach Lighting

An event involving an aerodrome's approach lighting.

Runway Lighting

An event involving an aerodrome's runway lighting.

Taxiway Lighting

An event involving an aerodrome's taxiway lighting.

Apron Lighting

An event involving an aerodrome's apron lighting.

Other Equipment

An event involving aerodrome equipment other than that mentioned above.

Signs

An event involving aerodrome signs.

Usage Notes:

- **Fixed Message Sign:** A sign presenting only one message.
- **Variable message sign:** A sign capable of presenting several pre-determined messages or no message, as applicable.

Markings

An event involving aerodrome markings.

Usage Notes:

- Marking: A symbol or group of symbols displayed on the surface of the movement area in order to convey aeronautical information.

Runway Marking

An event involving an aerodrome's runway marking.

Usage Notes:

- Marking: A symbol or group of symbols displayed on the surface of the movement area in order to convey aeronautical information.

Taxiway Marking

An event involving an aerodrome's taxiway marking.

Usage Notes:

- Marking: A symbol or group of symbols displayed on the surface of the movement area in order to convey aeronautical information.

Apron Marking

An event involving an aerodrome's apron marking.

Usage Notes:

- Marking: A symbol or group of symbols displayed on the surface of the movement area in order to convey aeronautical information.



Obstacle Marking

An event involving an aerodrome's runway marking.

Usage Notes:

- **Marking:** A symbol or group of symbols displayed on the surface of the movement area in order to convey aeronautical information.
- **Obstacle:** All fixed (whether temporary or permanent) and mobile objects, or parts thereof, that are located on an area intended for the surface movement of aircraft or that extend above a defined surface intended to protect aircraft in flight.

Overrun Catch Equipment

An event involving an aerodrome's overrun catch equipment.

Winch-Launch Equipment

An event related to winch-launch equipment.

Winch Failed

Winch failed.

Winch-Launch Cable Broke

Winch-launch cable broke.

Other Winch-Launch Equipment Related Event

Other winch-launch equipment related event.

Main Power

Main power.

Back-up Power

An event involving an aerodrome's back-up power.



AERODROME SERVICES/OPERATIONS

An event involving aerodrome services/operations generally.

Apron Management

An event involving the aerodrome apron management service.

Snow/Ice Removal

An event involving the aerodrome snow/ice removal programme.

Maintenance

An event involving the aerodrome maintenance.

Foreign Object Control

Event related to the control/removal of foreign objects at the aerodrome.

Usage Notes:

- FOD: Foreign Object Damage

Bird Control

An event related to the bird control at the aerodrome.

Wildlife Control

An event related to the control of wildlife at the aerodrome.

Vehicle/Equipment Operations

An event related to the operation of vehicles or equipment.

Vehicle – Vehicle Collision

Collision of a vehicle with an another vehicle or moveable equipment.



Vehicle – Person Collision

Collision of a vehicle/moveable equipment with a person.

Aircraft Struck/Damaged by Vehicle

Collision of a vehicle or moveable equipment with a standing or parked aircraft.

NOTE: Collisions of vehicles with moving aircraft are covered under aircraft operations (aircraft collision with vehicle).

Vehicle – Object Collision

Collision of a vehicle or moveable equipment with another object/obstacle.

Vehicle Traffic Violation

An event related to a traffic violation by a vehicle (e.g., above speed limit, traffic priority violated, etc.).



GROUND HANDLING SERVICES

Ground handling services.

Line Maintenance

Line Maintenance.

De-Icing

De-Icing.

Aircraft Marshaling

An event related to marshaling/guiding an aircraft to or from a parking position/stand.

Aircraft Parking

An event related to securing the parking of an aircraft on the ground with the use of parking and tie-down equipment and procedures.

Loading

Events related to the loading of the aircraft.

Incorrect Loading

An event involving incorrect loading of the aircraft.

Incorrect Fuel Balance

An event involving an incorrect fuel balance as a result of action on the ground, not as a result of actions or events during the flight.

Incorrect Flight Plan

An incorrect flight plan was used to prepare the flight.

Loading of Baggage

Loading of Baggage.



Loading of Cargo

Loading of Cargo.

Loading – Other

Loading – other.

Servicing

Event related to the servicing of the aircraft.

Fuelling

Event related to the fuelling / refuelling/ fuel uplift.

Catering

Catering.

Fluid Servicing

Fluid servicing, e.g., potable water.

Servicing – Other

Servicing - other: Servicing the aircraft other than fuelling, catering, etc.



CARGO RELATED

Event related to working with cargo at the airport, i.e., not necessarily in the context of loading/unloading aircraft.

Cargo Handling

Cargo handling.

Cargo Acceptance

Cargo acceptance.

Cargo Weighting

Cargo weighting.

Cargo Labeling

Cargo labeling.

Cargo Packaging

Cargo packaging.

Cargo Moving

Cargo moving.

Cargo Loading/Unloading

Cargo loading/unloading.

NOTE: Loading/unloading from the aircraft is covered elsewhere. This is the loading /unloading in respect to other means of conveyance at the airport.

Cargo Security Check

Cargo security check.



Cargo Stowage

Cargo stowage.

NOTE: Refers to cargo stowage at the airport, not in the aircraft.



AERODROME SECURITY

Aerodrome security related events.

Unlawful Entry

Unlawful entry, including attempts to enter without authorization.

Sabotage

Acts of sabotage on the aerodrome.

Other Aerodrome Security Related Event

Other aerodrome security related event.



FUNCTIONING/LAYOUT GENERALLY

An event involving the aerodrome functioning or layout generally.

Aerodrome Layout

An event involving the aerodrome layout.

Aerodrome Functioning

An event involving the functioning of the aerodrome.