5.0 MISCELLANEOUS

5.1 GLOSSARY OF AERONAUTICAL TERMS

"Acknowledge"

An expression used in radiocommunication meaning "Let me know that you have received and understood this message."

acts of unlawful interference

Acts or attempted acts such as to jeopardize the safety of civil aviation and air transport, i.e.:

- (a) unlawful seizure of aircraft in flight;
- (b) unlawful seizure of aircraft on the ground;
- (c) hostage-taking on board aircraft or on aerodromes;
- (d) forcible intrusion on board an aircraft, at an airport or on the premises of an aeronautical facility;
- (e) introduction on board an aircraft or at an airport of a weapon or hazardous device or material intended for criminal purposes;
- (f) communication of false information such as to jeopardize the safety of an aircraft in flight or on the ground, of passengers, crew, ground personnel or the general public, at an airport or on the premises of a civil aviation facility.

aerodrome

Any area of land, water (including the frozen surface thereof) or other supporting surface used, designed, prepared, equipped or set apart for use, either in whole or in part, for the arrival, departure, movement or servicing of aircraft. This includes any buildings, installations and equipment situated thereon or associated therewith.

aerodrome traffic frequency (ATF)

A very high frequency (VHF) designated to ensure that all radio-equipped aircraft operating at or in the vicinity of an aerodrome, or in a defined area where VFR traffic is high, are listening on a common frequency and following a common reporting procedure.

afterimage

A collection of light, dark, or coloured spots, perceived after exposure to bright light, that may be distracting and disruptive and may persist for several minutes.

• see also: flash blindness, glare

airborne collision avoidance system (ACAS)

An aircraft system based on secondary surveillance radar (SSR) transponder signals which operates independently of ground-based equipment to provide advice to the pilot on potential conflicting aircraft that are equipped with SSR transponders.

aircraft critical surface contamination (ACSC)

Presence of substances, including frost, ice and snow, on the critical surface of an aircraft that can have an adverse impact on the performance of an aircraft.

aircraft radio control of aerodrome lighting (ARCAL)

A system used by pilots to control some or all of the aerodrome lighting, aside from obstacle lights, via the aircraft VHF transmitter and the microphone on the appropriate frequency.

air defence identification zone (ADIZ)

An airspace of defined dimensions extending upwards from the surface of the earth within which certain rules for the security control of air traffic apply.

airport (APRT)

An aerodrome for which an airport certificate is in force.

airspace classification (see RAC 2.8).

The division of the Canadian Domestic Airspace (CDA) into seven classes, each identified by a single letter: A, B, C, D, E, F or G. The application of any classification to an airspace structure determines the operating rules, the level of ATC service provided within the structure and, in some instances, communications and equipment requirements. The horizontal and vertical limits of airspace are described in the *Designated Airspace Handbook* (DAH).

air traffic

All aircraft in flight or operating on the manoeuvring area of an aerodrome.

air traffic control clearance

An authorization issued by an ATC unit for an aircraft to proceed within controlled airspace in accordance with the conditions specified by that unit.

• also called: air traffic clearance, ATC clearance and clearance

air traffic control instruction

A directive issued by an ATC unit for ATC purposes.

air traffic control service

A service provided for the purposes of

- (a) preventing collisions between
 - (i) aircraft;
 - (ii) aircraft and obstacles; and
 - (iii) aircraft and vehicles on the manoeuvring area; and
- (b) expediting and maintaining an orderly flow of air traffic.
 - also called: ATC service

air traffic control unit

As the circumstances require, this may be

- (a) an area control centre (ACC) established to provide ATC service to aircraft; or
- (b) an airport control tower unit established to provide ATC service to airport traffic.
 - also called: ATC unit

alternate aerodrome

An aerodrome to which an aircraft may proceed when it becomes either impossible or inadvisable to proceed to or land at the aerodrome of intended landing. Alternate aerodromes include the following:

- (a) takeoff alternate aerodrome
- (b) en-route alternate aerodrome
- (c) destination alternate aerodrome

NOTE:

The aerodrome from which a flight departs may also be an en-route or a destination alternate aerodrome for that flight.

apron

That part of an aerodrome, other than the manoeuvring area, intended to accommodate the loading and unloading of passengers and cargo; the refuelling, servicing, maintenance and parking of aircraft; and any movement of aircraft, vehicles and pedestrians engaged in services for such purposes.

• also called: flight line, ramp and tarmac

arc

The track over the ground of an aircraft flying at a constant distance from a NAVAID by reference to distance measuring equipment (DME).

Arctic Control Area (ACA) (see RAC Figure 2.3)

A controlled airspace within the Northern Domestic Airspace (NDA) at FL 270 and above.

area minimum altitude (AMA)

The lowest altitude that may be used under instrument meteorological conditions (IMC) that will provide a minimum vertical clearance of 1000 ft or, in a designated mountainous region, 2000 ft, rounded up to the next 100-ft increment, under conditions of standard temperature and pressure, above all obstacles located in the area specified.

NOTE

This term replaced the term geographic area safe altitude (GASA) on April 18, 2002.

area navigation (RNAV)

A method of navigation which permits aircraft operation on any desired flight path within the coverage of ground- or space-based NAVAIDs or within the limits of the capability of self-contained aids, or a combination of these.

automatic dependent surveillance-broadcast (ADS-B)

A means by which aircraft, aerodrome vehicles and other objects can automatically transmit and/or receive data such as identification, position and additional data, as appropriate, in a broadcast mode via a data link.

automatic landing operation (autoland operation)

An operation during which an automatic landing system carries out an aircraft's approach and landing under the supervision of the crew.

ballistic parachute system

An aircraft parachute system that extracts/propels the parachute via an ignitable propellant (e.g. rocket motor or explosive charge).

barometric vertical navigation (baro-VNAV)

A function of certain RNAV systems that presents to the pilot computed vertical guidance referenced to a specified vertical path, based on barometric altitude information and typically computed as a geometric path between two waypoints or an angle based on a single waypoint.

• also called: lateral navigation/vertical navigation (LNAV/VNAV)

broadcast (BCST)

A transmission of information relating to air navigation that is not addressed to a specific station or stations.

Canadian Domestic Airspace (CDA)

As geographically delineated in the *Designated Airspace Handbook* (DAH), all airspace over the Canadian land mass, the Canadian Arctic and the Canadian archipelago, and over areas of the high seas.

ceiling

The lesser of:

- (a) the height above ground or water of the base of the lowest layer of cloud covering more than half the sky; or
- (b) the vertical visibility in a surface-based layer which completely obscures the sky.

clear air turbulence (CAT)

Turbulence encountered in air where no clouds are present.

NOTE:

This expression is commonly applied to high-level turbulence associated with wind shear (WS). CAT is often encountered in the vicinity of the jet stream.

clearance limit

The point to which an aircraft is granted an ATC clearance.

"Cleared for the option"

- (a) For an arriving aircraft: An expression used to indicate ATC authorization for an aircraft to make a touch-and-go, low approach, missed approach (MA), stop-and-go, or full-stop landing, at the discretion of the pilot.
- (b) For a departing aircraft: An expression used to indicate ATC authorization for an aircraft to execute manoeuvres other than a normal takeoff (e.g. an aborted takeoff). After such a manoeuvre, the pilot is expected to exit the runway by the most expeditious way rather than backtrack the runway.

common frequency area (CFA)

An area that has a designated frequency published for use by any aircraft.

NOTE:

A CFA is intended to be used for air-to-air communications to provide pilots with an awareness of traffic in their vicinity. It is not a class of airspace and the CFA frequency is not monitored by ATC nor is it for use at uncontrolled aerodromes.

composite flight plan

A flight plan (FP) that specifies VFR operation for one portion of flight and IFR for another portion.

contact approach

An approach wherein an aircraft on an IFR flight plan (FP), having an ATC authorization and operating clear of clouds with at least 1 mi. flight visibility and a reasonable expectation of continuing to the destination airport in those conditions, may deviate from the instrument approach procedure (IAP) and proceed to the destination airport by visual reference to the surface of the earth.

continuous descent final approach (CDFA)

A technique, consistent with stabilized approach procedures, for flying the final approach segment of a non-precision instrument approach procedure as a continuous descent, without level-off, from an altitude/height at or above the FAF altitude/ height to a point approximately 15 m (50 ft) above the landing runway threshold or the point where the flare manoeuvre should begin for the type of aircraft flown.

• also called: constant descent final approach

control area extension (CAE)

A controlled airspace of defined dimensions within the low-level airspace (LLA), extending upwards from 2 200 ft AGL unless otherwise specified.

controlled airspace

An airspace of defined dimensions within which ATC service is provided.

controlled flight into terrain (CFIT)

An occurrence in which an aircraft, under the control of the crew, is flown into terrain, water or an obstacle with no prior awareness on the part of the crew of the impending disaster.

controlled VFR flight (CVFR)

A flight conducted under VFR within Class B airspace and in accordance with an ATC clearance.

control zone (CZ)

A controlled airspace of defined dimensions extending upwards from the surface of the earth up to and including 3 000 ft AAE unless otherwise specified.

critical surface

Any stabilizing surface of an aircraft, including the wings, control surfaces, rotors, propellers, horizontal stabilizers, vertical stabilizers and, in the case of an aircraft that has rear-mounted engines, the upper surface of its fuselage.

cruise climb

A cruising technique resulting in a net increase in altitude as the aircraft mass decreases. A clearance or instruction to carry out a cruise climb allows the pilot the option of climbing at any given rate, as well as the option of levelling off at any intermediate altitude.

cruising altitude

The altitude, as shown by a constant altimeter indication in relation to a fixed and defined datum, maintained during a flight or portion thereof.

day

The time between the beginning of morning civil twilight and the end of evening civil twilight.

• also called: daylight

dead reckoning navigation (DR)

The estimating or determining of position by advancing an earlier known position by the application of direction, time and speed data.

decision altitude (DA)

A specified altitude in the precision approach or approach with vertical guidance at which a missed approach must be initiated if the required visual reference to continue the approach to land has not been established.

NOTE:

Decision altitude (DA) is referenced to mean sea level (MSL) and decision height (DH) is referenced to the threshold elevation.

decision height (DH)

A specified height in the precision approach or approach with vertical guidance at which a missed approach must be initiated if the required visual reference to continue the approach to land has not been established.

NOTE:

Decision height (DH) is referenced to the threshold elevation and decision altitude (DA) is referenced to mean sea level (MSL).

defence visual flight rules (DVFR)

Rules applicable to flights within an air defence identification zone (ADIZ) conducted under VFR.

directed bright light source

Any directed light source that may create a hazard to aviation safety or cause damage to an aircraft or injury to persons on board.

NOTE:

Directed bright light sources include lasers, searchlights, spotlights, and image projectors.

downwind termination waypoint (DTW)

The waypoint located downwind to the landing runway abeam the final approach course fix (FACF) where an open RNAV STAR terminates.

engineered material arresting system (EMAS)

A soft ground arrestor system, located beyond the end of the runway and centred on the extended runway centreline, that deforms under the weight of an aircraft, bringing it to a safe stop in the event of an overrun without structural damage to the aircraft or injury to its occupants.

NOTE:

EMAS beds are made up of a grouping of blocks of crushable cellular concrete that will reliably deform under the weight of an aircraft.

evening civil twilight

Relative to the standard meridians of the time zones, the period that begins at sunset and ends at the time specified by the Institute of National Measurement Standards of the National Research Council of Canada.

NOTE:

Evening civil twilight ends in the evening when the centre of the sun's disc is 6° below the horizon.

expected approach time (EAT)

The time at which ATC expects that an arriving aircraft, following a delay, will leave the holding fix to complete its approach for landing.

expected further clearance time (EFC)

The time at which it is expected that further clearance will be issued to an aircraft.

expedite (to)

An expression used by ATC when prompt compliance is required to avoid the development of an imminent situation.

final approach area

The area within which the final approach portion of an instrument approach procedure (IAP) is carried out.

final approach course fix (FACF)

A fix and/or waypoint located on the final approach course of an instrument approach procedure (IAP)

- (a) prior to the point of glide path (GP) intercept on a precision approach procedure;
- (b) prior to the final approach fix (FAF) on a non-precision approach procedure that has a designated FAF;
- (c) prior to any stepdown fixes on a non-precision approach procedure with designated fixes but no FAF; or
- (d) at a point that would permit a normal landing approach on a non-precision approach procedure with no FAF or stepdown fixes.

final approach fix (FAF)

The fix of a non-precision instrument approach procedure (IAP) where the final approach segment commences.

final approach segment

That part of an instrument approach procedure (IAP) from the time that the aircraft

- (a) completes the last procedure turn or base turn, where one is specified;
- (b) intercepts the last track specified for the procedure;
- (c) (for non-precision approaches) crosses the final approach fix (FAF), final approach waypoint (FAWP) or final approach point (FAP); or
- (d) (for precision approaches) crosses the point where the vertical path or glide path intercepts the intermediate approach segment altitude until the aircraft reaches the missed approach point (MAP).
 - also called: final approach

flash blindness

The temporary or permanent inability to see caused by bright light entering the eye and persisting after the illumination has ceased.

• see also: afterimage, glare

flight information centre (FIC)

A centralized ATS unit that provides services pertinent to preflight and the en-route phase of flight.

flight information region (FIR) (see RAC Figure 2.2)

An airspace of defined dimensions extending upwards from the surface of the earth within which flight information service (FIS) and alerting service are provided.

flight information service en route (FISE)

The provision and receipt by a FIC of information pertinent to the en route phase of flight.

flight level (FL)

The altitude expressed in hundreds of feet indicated on an altimeter set to 29.92 in. of mercury or 1013.2 mb.

flight management system (FMS)

An aircraft computer system that uses a large database to allow routes to be programmed and fed into the system by means of data loader. The system is constantly updated with regard to position accuracy by reference to conventional NAVAIDs.

flight service station (FSS)

An ATS unit that provides services pertinent to the arrival and departure phases of flight at uncontrolled aerodromes and for transit through a mandatory frequency (MF) area.

flight technical error (FTE)

The difference between estimated position and defined path. It relates to the ability of an air crew or autopilot to fly along a defined path. Any display errors, such as a CDI centering error, may cause FTE. FTE is usually the largest error component of the total system error (TSE).

flight visibility

The average range of forward visibility at any given time from the cockpit of an aircraft in flight.

flow control

Measures designed to adjust the flow of traffic into a given airspace, along a given route, or bound for a given aerodrome, so as to ensure the most effective utilization of the airspace.

fuel dumping

The intentional airborne release of usable fuel, excluding the dropping of fuel tanks.

• also called: **fuel jettisoning**

fuel remaining

The amount of fuel remaining on board until actual fuel exhaustion.

glare

A temporary disruption in vision caused by a bright light within an individual's field of vision and lasting only as long as the light is present within that field of vision.

NOTE:

Visible laser light can produce glare and interfere with vision even at low energies, including levels well below that which produce eye damage.

• see also: afterimage, flash blindness

"Go around"

An expression used in radiocommunications to instruct a pilot to abandon an approach or landing.

ground visibility

In respect of an aerodrome, the visibility at that aerodrome as contained in a weather observation reported by

- (a) an ATC unit;
- (b) an FSS or FIC;
- (c) a community aerodrome radio station (CARS);
- (d) an automated weather observation system (AWOS) used by the Department of Transport, the Department of National Defence or the Atmospheric Environment Service for the purpose of making aviation weather observations; or
- (e) a radio station that is ground-based and operated by an air operator.

hang glider

A motorless heavier-than-air aircraft deriving its lift from surfaces that remain fixed in flight, designed to carry not more than two persons and having a launch weight of 45 kg (99.2 lb) or less.

"Have numbers"

An expression used by pilots to indicate that they have received runway, wind and altimeter information only.

heading (HDG)

The direction in which the longitudinal axis of an aircraft is pointed, usually expressed in degrees from north (true, magnetic, compass or grid north).

height above aerodrome (HAA)

The height in feet of the minimum descent altitude (MDA) above the published aerodrome elevation.

height above touchdown zone elevation

The height in feet of the decision height (DH) or the minimum descent altitude (MDA) above the touchdown zone elevation (TDZE).

• also called: height above touchdown (HAT) and height above touchdown zone

high-intensity runway operations (HIRO)

Operations, used atsome airports, that consist of optimizing separation of aircraft on final approach in order to minimize runway occupancy time (ROT) for both arriving and departing aircraft so as to increase runway capacity.

high-level air route

In high-level airspace (HLA), a prescribed track between specified fixes.

NOTE:

On aeronautical charts, high-level air routes are indicated by letters such as "T" or "NAT."

high-level airspace (HLA)

All airspace within the Canadian Domestic Airspace (CDA) at or above 18 000 ft ASL.

high-level airway

In controlled high-level airspace (HLA), a prescribed track between specified fixes.

NOTE:

On aeronautical charts, high-level airways are indicated by the letter "J" (e.g. J500).

ICAO three-letter designator (ICAO 3LD)

An exclusive designator that, when used together with a flight number, becomes the aircraft call sign and provides distinct aircraft identification to ATS.

NOTE:

A telephony designator associated with an ICAO 3LD is used for radio communication.

initial approach segment

That part of an instrument approach procedure (IAP) between the initial approach fix (IAF) or waypoint and the intermediate approach fix (IF) or waypoint during which the aircraft departs the en route phase of flight and manoeuvres to enter the intermediate segment.

• also called: initial approach

instrument approach procedure (IAP)

A series of predetermined manoeuvres by reference to flight instruments with specified protection from obstacles from the initial approach fix (IAF), or where applicable, from the beginning of a defined arrival route to a point from which a landing can be completed and thereafter, if a landing is not completed, to a position at which holding or en route obstacle clearance criteria apply.

• also called: instrument approach

instrument meteorological conditions (IMC)

Meteorological conditions less than the minima specified in Subpart 602 of the *Canadian Aviation Regulations* (CARs) for visual meteorological conditions (VMC), expressed in terms of visibility and distance from cloud.

intermediate approach segment

That part of an instrument approach procedure (IAP) between the intermediate approach fix (IF) or waypoint and the final approach fix (FAF), waypoint or point, or between the end of a track reversal, racetrack or dead-reckoning track procedure and the FAF, waypoint or point, as appropriate. It is in this part of the procedure that aircraft configuration, speed and positioning adjustments are made for entry into the final approach segment.

• also called: intermediate approach

intersection (INTXN)

As the circumstances require, this may be

- (a) a point on the surface of the earth over which two or more position lines intersect. The position lines may be true bearings from non-directional beacons (NDB) (magnetic bearings shown on chart for pilot usage); radials from VHF/ UHF NAVAIDs; centrelines of airways, fixed RNAV routes or air routes; localizers; or DME distances; or
- (b) the point where two runways, a runway and a taxiway, or two taxiways cross or meet.

Land and Hold Short Operations (LAHSO)

Operations that include simultaneous takeoffs and landings and/ or simultaneous landings when a landing aircraft is able and is instructed by the controller to hold short of the intersecting runway/taxiway or designated hold-short point.

NOTE:

This term replaces the term *Simultaneous Intersecting Runway Operations (SIRO)*

laser (or light amplification by stimulated emission of radiation)

A device that produces an intense, directional, coherent beam of light.

low approach

An approach over an airport or runway following an instrument approach procedure (IAP) or VFR approach, including the overshoot manoeuvre, where the pilot intentionally does not make contact with the runway.

low-level air route

Within low-level uncontrolled airspace, a route extending upwards from the surface of the earth and for which ATC service is not provided.

low-level airspace (LLA)

All airspace within the Canadian Domestic Airspace (CDA) below 18 000 ft ASL.

GEN

low-level airway

Within controlled low-level airspace (LLA), a route extending upwards from 2 200 ft above the surface of the earth and for which ATC service is provided.

low-visibility operations plan (LVOP)

A plan that calls for specific procedures established by the aerodrome operator and/or ATS when aerodrome visibility is below RVR 1 200 ($\frac{1}{4}$ SM).

L-routes

L-routes are low-level uncontrolled fixed RNAV routes depicted on En Route Low Altitude charts using green dashed lines and require GNSS RNAV systems for use. The MOCA provides obstacle protection for only 6 NM either side of the track centreline and does not splay.

mandatory frequencyv (MF)

A very high frequency (VHF) specified in the *Canada Air Pilot* (CAP), the *Canada Flight Supplement* (CFS) or the *Canada Water Aerodrome Supplement* (CWAS) for the use of radio-equipped aircraft operating within a mandatory frequency (MF) area.

manoeuvring area

The part of an aerodrome, other than an apron, that is intended to be used for the takeoff and landing of aircraft and for the movement of aircraft associated with takeoff and landing.

MEDEVAC

A term used to request ATS priority handling for a medical evacuation flight based on a medical emergency in the transport of patients, organ donors, organs or other urgently needed lifesaving medical material.

NOTE:

This term is used on flight plans (FP) and in radiotelephony communications if a pilot determines that a priority is required and is suffixed to the aircraft identification.

military operations area (MOA)

An airspace of defined dimensions established to segregate certain military activities from IFR traffic and to identify, for VFR traffic, where these activities are conducted.

military terminal control area (MTCA)

A controlled airspace of defined dimensions normally established in the vicinity of a military aerodrome and within which special procedures and exemptions exist for military aircraft. The terminology (Class B, C, D or E equivalent) used for the designations of MTCAs describes the equivalent level of service and operating rules for civilian aircraft operating within the MTCA and under military control.

minimum descent altitude (MDA)

The altitude above sea level (ASL) specified in the *Canada Air Pilot* (CAP) or the route and approach inventory for a nonprecision approach, below which descent shall not be made until the required visual reference to continue the approach to land has been established.

minimum en route altitude (MEA)

The altitude above sea level (ASL) between specified fixes on airways or air routes that assures acceptable navigational signal coverage and that meets the IFR obstacle clearance requirements.

NOTE:

This altitude is published on aeronautical charts.

minimum fuel

An expression used to inform ATC that an aircraft's fuel supply has reached a state that is sufficient to reach destination, provided that unexpected delays are not encountered.

minimum IFR altitude

The lowest IFR altitude established for use in a specific airspace. Depending on the airspace concerned, the minimum IFR altitude may be a minimum obstacle clearance altitude (MOCA), a minimum en route altitude (MEA), a minimum sector altitude (MSA), a minimum vectoring altitude (MVA), a safe altitude within a radius of 100 NM, an area minimum altitude (AMA), a transition altitude or a missed approach altitude. The minimum IFR altitude provides obstacle clearance but may or may not be within controlled airspace.

minimum obstacle clearance altitude (MOCA)

The altitude above sea level (ASL) between specified fixes on airways or air routes that meets the IFR obstacle clearance requirements for the route segment in question.

NOTE:

This altitude is published on aeronautical charts.

minimum reception altitude (MRA)

When applied to a specific VHF/UHF intersection, the lowest altitude above sea level (ASL) at which acceptable navigational signal coverage is received to determine the intersection.

minimum sector altitude (MSA)

The lowest altitude that will provide a minimum clearance of 1000 ft, under conditions of standard temperature and pressure above all objects located in an area contained within a sector of a circle with a 25 NM radius centred on a radio aid to navigation or a specified point.

minimum vectoring altitude (MVA)

The lowest altitude for vectoring aircraft by ATC that meets obstacle clearance and radio coverage requirements in the airspace specified.

missed approach point (MAP)

The point on the final approach course that signifies the termination of the final approach and the commencement of the missed approach segment. It may be

- (a) the intersection of an electronic glide path (GP) with a decision height (DH);
- (b) a NAVAID located on the aerodrome;
- (c) a suitable fix (e.g. distance measuring equipment [DME]); or
- (d) a specified distance beyond the NAVAID or final approach fix (FAF), not to exceed the distance from that NAVAID or fix to the nearest boundary of the aerodrome.

missed approach segment

That part of an instrument approach procedure (IAP) between the missed approach point (MAP), the missed approach waypoint (MAWP), or the point of arrival at decision height (DH), and the specified missed approach NAVAID, intersection, fix or waypoint, as appropriate, at the minimum IFR altitude. It is in this part of the approach procedure that the aircraft climbs and returns to the en route structure or is positioned for holding or a subsequent approach. The route of flight and altitudes are depicted on instrument approach charts.

• also called: missed approach

morning civil twilight

Relative to the standard meridians of the time zones, the period that begins at the time specified by the Institute for National Measurement Standards of the National Research Council of Canada and ends at sunrise.

NOTE:

Morning civil twilight begins in the morning when the centre of the sun's disc is 6° below the horizon.

mountainous region (see RAC Figure 2.10)

An area of defined lateral dimensions above which special rules concerning minimum en route altitudes (MEA) apply.

movement area

The part of an aerodrome that is intended to be used for the surface movement of aircraft and that includes the manoeuvring area and aprons.

multiple-touch and-gos

A procedure in which an aircraft makes more than one touchand-go during a single pass along a runway.

• see also: touch-and-go

navigation aid (NAVAID)

Any visual or electronic device, airborne or on the surface of the earth, that provides point-to-point guidance information or position data to aircraft in flight.

• also called: **navigational aid**

navigation system error (NSE)

The difference between true and estimated position. The NSE is defined during navigation system certification.

night

The time between the end of evening civil twilight and the beginning of morning civil twilight.

non-precision approach procedure

An instrument approach procedure (IAP) in which only electronic azimuth information is provided. No electronic glide path (GP) information is provided and obstacle assessment in the final segment is based on minimum descent altitude (MDA).

non-RVSM aircraft

An aircraft that does not meet reduced vertical separation minimum (RVSM) requirements for certification and/or for operator approval.

Northern Control Area (NCA) (see RAC Figure 2.3)

A controlled airspace within the Northern Domestic Airspace (NDA) at FL 230 and above.

Northern Domestic Airspace (NDA) (see RAC Figure 2.1)

As geographically delineated in the *Designated Airspace Handbook* (DAH), a subdivision of Canadian Domestic Airspace (CDA) commencing at the North Pole and extending southward to the northern limit of the Southern Domestic Airspace (SDA).

North Warning System (NWS)

A multiradar system that provides airspace surveillance and command and control capability for air defence identification over the northern approaches to North America.

NOTAM

A notice distributed by means of telecommunication containing information concerning the establishment, condition or change in any aeronautical facility, service, procedure or hazard, the timely knowledge of which is essential to personnel concerned with flight operations.

obstacle (OBST)

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.

• also called: **obstruction**

obstacle free zone (OFZ)

The airspace above the inner approach surface, inner transitional surfaces, and balked landing surface and that portion of the strip bounded by these surfaces, which is not penetrated by any fixed obstacle other than a low-mass and frangibly mounted one required for air navigation purposes.

GEN

obstruction

• also called: obstacle

pavement classification number (PCN)

Numbers expressing, in ICAO terminology, the bearing strength of a pavement for unrestricted operations in a similar fashion to Transport Canada's pavement load rating (PLR).

path definition error (PDE)

The difference between desired and defined paths which reflects errors in the navigation database, computational errors in the RNAV system and display errors. PDE is usually very small and often assumed to be negligible.

performance-based navigation (PBN)

Area navigation based on performance requirements for aircraft operating along an ATS route, on an instrument approach procedure or in a designated airspace.

NOTE:

Performance requirements are expressed in navigation specifications in terms of accuracy, integrity, continuity, availability and functionality needed for the proposed operation.

pilot briefing

The provision of, or consultation on, meteorological and aeronautical information to assist pilots in pre-flight planning.

• also called: pre-flight pilot briefing

precision approach radar (PAR)

A high-definition, short-range radar used as an approach aid. This system provides the controller with altitude, azimuth and range information of high accuracy for the purpose of assisting the pilot in executing an approach and landing. This form of navigation assistance is termed "precision radar approach".

pre-departure clearance (PDC)

An initial IFR clearance delivered electronically via air-ground data link (AGDL) to airline companies with an on-site computer capable of interfacing with ATC and the data link service provider.

NOTE:

Following initial delivery of the clearance to the air operator, the latter may subsequently relay the clearance by non-electronic means to the flight crew if the aircraft is not suitably equipped.

preferential runway

One or more runways designated and published by the airport operator whose selection directs aircraft away from noisesensitive areas during the initial departure and final approach phases of flight. Designation of preferential runways may be governed by time restrictions, weather, runway conditions, airport layout, aircraft routings or capacity maximization.

procedure turn (PT)

A manoeuvre in which a turn is made away from a designated track followed by a turn in the opposite direction to permit the aircraft to intercept and proceed along the reciprocal of the designated track.

procedure turn inbound

The point of a procedure turn manoeuvre where course reversal has been completed and an aircraft is established inbound on the intermediate approach or final approach course. A report of "procedure turn inbound" is normally used by ATC as a position report for separation purposes.

progressive taxi

Precise taxi instructions given to a pilot unfamiliar with the aerodrome or issued in stages as the aircraft proceeds along the taxi route.

Q-routes

Q-routes are high-level fixed RNAV routes depicted on En Route High Altitude charts using black dashed lines and require an RNAV system with performance capabilities currently only met by GNSS or distance measuring equipment/inertial reference unit (DME/DME/IRU) systems. DME/DME/IRU navigation may be limited in some parts of Canada owing to navigational facility coverage. In such cases, the routes will be annotated as "GNSS only" on the chart.

radar identification

The process of ascertaining that a particular target is the radar echo from a specific aircraft.

"Radar identified"

An expression used by ATC to inform the pilot of an aircraft when radar identification is established.

RADAR REQUIRED

Annotation used on an instrument approach chart to indicate that the procedure turn may have been eliminated and that the initial approach portion of the procedure is being provided by ATC vectors. Without ATC vectoring, the instrument approach procedure (IAP) may not have a published initial approach.

radial (R)

A magnetic bearing from a VHF omnidirectional range (VOR), tactical air navigation aid (TACAN), or VORTAC facility, except for facilities in the Northern Domestic Airspace (NDA), which may be oriented on true or grid north.

reduced vertical separation minimum (RVSM)

The application of 1 000-ft vertical separation at and above FL 290 between aircraft approved to operate in reduced vertical separation minimum airspace.

reduced-visibility operations plan (RVOP)

A plan that calls for specific procedures established by the aerodrome operator and/or ATC when aerodrome visibility is below RVR 2 600 ($\frac{1}{2}$ SM) down to and including RVR 1 200 ($\frac{1}{4}$ SM).

remotely piloted aircraft (RPA)

A navigable airctaft, other than a balloon, rocket or kite, that is operated by a pilot who is not on board.

remotely piloted aircraft system (RPAS)

A set of configurable elements consisting of a remotely piloted aircraft, its control station, the command and control links and any other system elements required during flight operation.

required navigation performance (RNP)

A statement of the navigation performance accuracy necessary for operation within a defined airspace.

required visual reference

In respect of an aircraft on an approach to a runway, the section of the approach area of the runway or the visual aids that, when viewed by the pilot of the aircraft, enable the pilot to make an assessment of the aircraft position and the rate of change of position relative to the nominal flight path in order to continue the approach and complete the landing.

resolution advisory (RA)

An advisory issued by airborne collision avoidance system (ACAS)/traffic alert and collision avoidance system (TCAS) to alert pilots to potential conflicting air traffic and provide them with a suggested flight-path change in the vertical plane to reduce the possibility of collision.

restricted airspace

An airspace of defined dimensions above land areas or territorial waters within which the flight of aircraft is restricted in accordance with certain specified conditions.

• also called: restricted area

"Resume normal speed"

An expression used by ATC to advise a pilot that previously issued speed restrictions are cancelled, but that published speed restrictions are still applicable, unless otherwise stated by ATC.

runway edge lights (REDL)

Aeronautical ground lights located along the edges of the runway.

runway end safety area (RESA)

An area that extends from the end of the runway strip, primarily intended to reduce the risk of damage to an aeroplane undershooting or overrunning the runway.

runway heading

The magnetic or true direction that corresponds with the runway centreline rather than the painted runway numbers.

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 takeoff of aircraft.

runway in use

Any runway currently being used for takeoff or landing. When multiple runways are used, they are all considered runways in use.

runway lights

Aeronautical ground lights located on a runway, indicating its direction or boundaries, and including but not limited to runway centreline lights, runway edge lights, runway end lights, threshold lights and touchdown zone lights.

runway strip

A defined area, which includes the runway and stopway where provided, intended to protect aircraft flying over it during takeoff or landing operations.

RVSM Aircraft

An aircraft that meets reduced vertical separation minimum (RVSM) requirements for certification and for operator approval.

safe altitude within a radius of 100 NM

The lowest altitude that may be used under instrument meteorological conditions (IMC) that will provide a minimum vertical clearance of 1000 ft or, in a designated mountainous region, 1500 or 2000 ft, as appropriate, rounded up to the next 100-ft increment, under conditions of standard temperature and pressure, above all obstacles located in an area contained within a radius of 100 NM of the aerodrome geometric centre.

secondary surveillance radar (SSR)

A radar system that requires complementary aircraft equipment (transponder). The transponder generates a coded reply signal in response to transmissions from the ground station (interrogator). Since this system relies on transponder-generated signals rather than signals reflected from the aircraft, as in primary surveillance radar, it offers significant operational advantages such as increased range and positive identification.

shuttle procedure

A manoeuvre involving a descent or climb in a pattern resembling a holding pattern.

Southern Control Area (SCA) (see RAC Figure 2.3)

A controlled airspace within the Southern Domestic Airspace (SDA) at 18 000 ft ASL and above.

Southern Domestic Airspace (SDA) (see RAC Figure 2.1) term

As geographically delineated in the *Designated Airspace Handbook* (DAH), all airspace within the Canadian Domestic Airspace (CDA) commencing at the Canada-United States border and extending northward to the southern limit of the Northern Domestic Airspace (NDA).

"Squawk ident"

A request for a pilot to activate the aircraft transponder identification feature.

standard instrument departure (SID)

A preplanned IFR departure procedure requiring ATC clearance and published for pilot/controller use to provide obstacle clearance and a transition from an aerodrome to the appropriate en route structure.

NOTE:

IDs are published in the *Canada Air Pilot* (CAP) for pilot and controller use. SIDs may be either:

- (a) pilot navigation SIDs: SIDs where the pilot is required to use the applicable SID chart as reference for navigation to the en route phase; or
- (b) vector SIDs: SIDs established where ATC will provide radar navigational guidance to a filed or assigned route, or to a fix depicted on the applicable SID chart. Pilots are expected to use the SID chart as a reference for navigation until the vector is commenced.

standard terminal arrival (STAR)

An IFR ATC arrival procedure published in the *Canada Air Pilot* (CAP) for pilot and controller use.

stepdown fix

A fix permitting additional descent within a segment of an instrument approach procedure (IAP) by identifying the point at which a controlling obstacle has been safely overflown.

stop-and-go

A procedure in which an aircraft lands, makes a complete stop on the runway, and then commences a takeoff from that point.

straight-in approach

- (a) A VFR approach in which the aircraft enters the aerodrome traffic circuit on the final leg without having executed any other part of the circuit.
- (b) An IFR approach in which the aircraft begins the final approach without first having executed a procedure turn (PT).

terminal arrival area (TAA)

An area, bounded by tracks and distances to identified waypoints, depicted on select GNSS approach charts indicating altitudes that provide a minimum clearance of 1 000 ft above all obstacles.

terminal control area (TCA)

A controlled airspace of defined dimensions that is normally established in the vicinity of one or more major aerodromes and within which ATC service is provided based on the airspace classification.

threshold

The beginning of the portion of the runway usable for landing.

threshold crossing height (TCH)

The height of the glide path (GP) above the runway threshold.

total system error (TSE)

The difference between true position and desired position. This error is equal to the sum of the vectors of the PDE, FTE, and NSE.

touch-and-go

A procedure in which an aircraft lands and then takes off without stopping.

touchdown zone (TDZ)

The first 3 000 ft of the runway or the first third of the runway, whichever is less, measured from the threshold in the direction of landing.

touchdown zone elevation (TDZE)

The highest centreline elevation in the touchdown zone.

track

The projection on the earth's surface of the path of an aircraft, the direction of which path at any point is usually expressed in degrees from true, magnetic or grid north.

traffic advisory (TA)

An advisory issued by airborne collision avoidance system (ACAS)/ traffic alert and collision avoidance system (TCAS) to alert pilots to other air traffic that may be in such proximity to the position or intended route of flight of their aircraft as to warrant their attention.

transition

- (a) The general term that describes the change from one phase of flight or flight conditions to another, e.g. transition from en route flight to the approach or transition from instrument flight to visual flight.
- (b) A published procedure used to connect the basic standard instrument departure (SID) to one or more en route airways or to connect one or more en route airways to the basic standard terminal arrival (STAR). More than one transition may be published in the associated SID or STAR.
 - also called: feeder route

T-routes

T-routes are low-level controlled fixed RNAV routes depicted on En Route Low Altitude charts using black dashed lines and require GNSS RNAV systems for use. The airspace associated with T-routes extends upward from 2 200 ft AGL, 10 NM either side of the centreline, and does not splay. The MOCA provides obstacle protection for only 6 NM either side of the track centreline and does not splay.

unmanned air vehicle (UAV)

A power-driven aircraft, other than a model aircraft, that is designed to fly without a human operator on board.

vector

A heading given by a controller to a pilot on the basis of radarderived information to provide navigational guidance.

• also called: radar vectoring

visual approach

An approach wherein an aircraft on an IFR flight plan (FP), operating in visual meteorological conditions (VMC) under the control of ATC and having ATC authorization, may proceed to the airport of destination.

visual meteorological conditions (VMC)

Meteorological conditions, expressed in terms of visibility and distance from cloud, equal to or greater than the minima specified in CAR 602.

visual separation

A means used by controllers to separate aircraft operating in visual meteorological conditions (VMC).

- (a) VFR—The controller, having determined that a potential conflict exists, issues clearances, instructions and/or information as necessary to aid aircraft in establishing visual contact with each other or to assist aircraft in avoiding other aircraft.
- (b) IFR or CVFR—Following a pilot's report that the traffic is in sight, the controller issues the clearance and instructs the pilot to provide his or her own separation by manoeuvring the aircraft as necessary to avoid or follow the traffic.

waypoint (WP)

A specified geographical location, defined by longitude and latitude, that is used in the definition of routes and terminal segments and for progress-reporting purposes.

"When ready ... "

Authorization for an aircraft to comply with a clearance or instruction at some point in the future when convenient.

wind shear (WS)

A change in wind speed and/or wind direction in a short distance.

NOTE:

Wind shear can exist in a horizontal or vertical direction and occasionally in both.

| ATN | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| 1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1. | aeronautical telecommunications network |
| ATDI | airline transport pilot licence |
| ATTC | ain the first a service |
| | air traffic service |
| AU | approach UNICOM |
| AVASI | abbreviated visual approach slope indicator |
| AVGAS | aviation gasoline |
| AVOPS | aviation gasoline Aviation Operations Centre |
| | automated weather observation system |
| AWUS | automated weather observation system |
| AWWS | Aviation Weather Web Site |
| baro-VNA | Vbarometric vertical navigation |
| BCST | Vbarometric vertical navigation broadcast |
| BOTA | Brest oceanic transition area |
| DDI | halloon pilot licence |
| DPL | |
| BVLOS | beyond visual line-of-sight |
| С | balloon pilot licence beyond visual line-of-sight Celsius |
| CADORS | Civil Aviation Daily Occurrence |
| | |
| CAE | Reporting System control area extension |
| | |
| CAME | Civil Aviation Medical Examiner |
| CAP | Canada Air Pilot |
| CARs | Canadian Aviation Regulations |
| CARAC | Canadian Aviation Regulation Advisory Council |
| CARC | |
| CARC | |
| CAKS | community aerodrome radio station Civil Air Search and Rescue Association |
| CASARA | Civil Air Search and Rescue Association |
| CAT | clear air turbulence |
| | IIICategory I, II, III |
| CAVOK | ceiling and visibility OK |
| CAVOR | Canadian Damastia Airmana |
| CDA | |
| CDA | departure clearance readback (data link) |
| CDFA | constant descent final approach |
| CDI | course deviation indicator |
| | |
| CED | Considion Eorosa hasa |
| CFB | Canadian Forces base |
| CFS | |
| CFIT | controlled flight into terrain |
| CG | |
| CLD | departure clearance message (data link) |
| | |
| CLDN | Condian Lightning Detection Natwork |
| CLDN | |
| CLDN CMA | |
| CLDN CMA CMAC | |
| CLDN CMA CMAC | |
| CLDN CMA CMAC | |
| CLDN CMA CMAC CMC CMNPS | |
| CLDN CMA CMAC CMC CMNPS | |
| CLDN CMA CMAC CMC CMNPS | |
| CLDN CMA CMAC CMC CMNPS CMNPSA. | |
| CLDN CMA CMAC CMC CMNPS CMNPSA. | |
| CLDN CMA CMAC CMC CMNPS CMNPSA. CMU CNS | |
| CLDN CMA CMAC CMC CMNPS CMNPSA. CMU CNS CNOP | |
| CLDN CMA CMAC CMC CMNPS CMNPSA. CMU CNS CNOP | |
| CLDN CMA CMAC CMC CMNPS CMNPSA. CMU CNS CNOP CPDLC | |
| CLDN CMA CMAC CMC CMNPSA. CMNPSA. CMU CNS CNOP CNOP CPDLC C of A | |
| CLDN CMA CMAC CMC CMNPSA. CMU CNS CNOP CNOP COPLC C of A C of R | |
| CLDN CMA CMAC CMC CMNPSA CMNPSA CMU CNS CNOP CNOP COPLC C of A C of A C OF R CPL CRFI | |
| CLDN CMA CMAC CMC CMNPSA CMNPSA CMU CNS CNOP CNOP COFA COFA COFA COFA CRFI CRFI CTA | |
| CLDN CMA CMAC CMC CMNPSA CMNPSA CMU CNS CNOP CPDLC C of A C of R CPL CRFL CRFI CTA ISB | |
| CLDN CMA CMAC CMC CMNPSA CMNPSA CMU CNS CNOP CPDLC C of A C of R CPL CRFL CRFI CTA ISB | |
| CLDN CMA CMAC CMC CMNPS CMNPSA CMU CNS CNOP CNOP COPDLC C of A C of A C of C C FL CRFI CTAISB CVFR | |
| CLDN CMA CMAC CMC CMNPSA. CMNPSA. CMU CNOP CNOP COPDLC C of A C of A C of A C of C C RFL CTA ISB CVFR CWAS | |
| CLDN CMA CMAC CMC CMNPSA. CMNPSA. CMU CNOP CNOP COPDLC C of A C of A C of A C of C C RFL CTA ISB CVFR CWAS | |
| CLDN CMA CMAC CMC CMC CMNPSA CMU CNOP CNOP COP COP COP COF A COF A COF A CRFI CTA ISB CVFR CWAS CZ | |
| CLDN CMA CMAC CMC CMNPS CMNPSA CMU CNS CNOP CNOP COP COP COP COP COP COP COP COP COP C | |
| CLDN CMA CMAC CMC CMNPS CMNPSA CMU CNOP CNOP COPL C of A C of A C of A C of C C RFI CTAISB CVFR CVFR CVFR CZ DA DA | |
| CLDN CMA CMAC CMC CMNPS CMNPSA CMU CNS CNOP CNOP CNOP COPDLC C of A C of R C of R C of R C RFI CTAISB CVFR CVFR CVFR CVFR CVFR CZ DA DADS DAH | |
| CLDN CMA CMAC CMC CMNPSA CMNPSA CMU CNS CNOP CPDLC C of A C of R CPL CRFI CRFI CTA CTAISB CVFR CVFR CWAS CVFR CWAS CVFR DA DA DAH D-ATIS | |
| CLDN CMA CMAC CMC CMNPSA CMNPSA CMU CNS CNOP CPDLC C of A C of R CPL CRFI CRFI CTA CTAISB CVFR CVFR CWAS CVFR CWAS CVFR DA DA DAH D-ATIS | |
| CLDN CMA CMAC CMC CMNPSA CMNPSA CMU CNS CNOP CPDLC C of A C of R CPL CRFI CRFI CTA CTAISB CVFR CVFR CWAS CVFR CWAS CVFR DA DA DAH D-ATIS | |
| CLDN CMA CMAC CMC CMNPSA. CMNPSA. CMU CNS CNOP CPDLC C of A C of R CPL CRFI CTA CTA ISB CVFR CVFR CVFR CVFR CVFR CVFR DA DA DAL DAL DCL DCPC | |
| CLDN CMA CMAC CMC CMNPSA. CMNPSA. CMU CNS CNOP CPDLC C of A C of R CPL C of R CPL CRFI CTA ISB CVFR CVFR CVFR CVFR CVFR DA DA DAL DAL DCPC DF | |
| CLDN CMA CMAC CMC CMNPSA CMNPSA CMU CNS CNOP CPDLC C of A C of R CPL C of A C of R CPL CRFI CRFI CTA CTAISB CVFR CVFR CVFR CVFR DA DA DADS DAH. D-ATIS DCPC DH | |
| CLDN CMA CMAC CMC CMNPSA CMNPSA CMU CNS CNOP CPDLC C of A C of R CPL C of A C of R CPL CRFI CTA CRFI CTA CVFR CVFR CVFR CVFR CVFR CVFR DA DA DADS DAH D-ATIS DCL DF DH DLM | |

5.2 Abbreviations and Acronyms

| 4 4 1 1 | above aerodrome elevation |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AAIR | Annual Airworthiness Information Report |
| | aerodrome advisory service |
| AAS | aerouronie auvisory service |
| ABAS | aircraft-based augmentation system |
| AC | Advisory Circular |
| | Arctic Control Area |
| ACA | Arctic Control Area |
| ACARS | aircraft communications addressing and |
| | reporting system |
| ACAG | reporting system |
| ACAS | airborne collision avoidance system |
| ACC | area control centre |
| $\Lambda_{-}CDM$ | |
| | |
| ACSC | aircraft critical surface contamination |
| AD | Airworthiness Directive |
| ADR | aviation document booklet |
| | |
| ADCUS | |
| ADF | automatic direction finder |
| A DI Z | air defence identification zone |
| | |
| ADS | automatic dependence surveillance |
| ADS-B | automatic dependent surveillance - broadcast |
| ADS-C | automatic dependent surveillance - contract |
| | automatic dependent survemanee - contract |
| ADS WPK | automatic dependent surveillance |
| | waypoint position report(ing) |
| AFCGS | waypoint position report(ing) |
| | |
| AFCS | automatic flight control system |
| AFM | aircraft flight manual |
| ΔFN | aircraft flight manualair traffic services facilities notification |
| | an traffic services facilities notification |
| AFS | aeronautical fixed service |
| | eronautical Fixed Telecommunications Network |
| AGL | above ground level |
| AGN | aircraft group number |
| | |
| AIC | aeronautical information circular |
| AIM | Aeronautical Information Management |
| | (NAV CAŇADA) Aeronautical Information Publication |
| AIP | Aeronautical Information Publication |
| | A aronautical Information Pagulation and Control |
| | Aeronautical Information Regulation and Control air report |
| AIKEP | air report |
| AIS | aeronautical information service |
| ΔIR | aircraft load rating |
| ALCE 2 | annragah lighting with acquanced |
| AL56-2 | approach nghung with sequenced |
| | approach lighting with sequenced flashers–CAT II altitude |
| | altituda |
| ALT | attitude |
| ALT ALTRV | altitude reservation |
| ALTRV | altitude reservation |
| ALTRV AM | altitude reservation amplitude modulation |
| ALTRV AM AMA | |
| ALTRV AM AMA | |
| ALTRV AM AMA AME | altitude reservation |
| ALTRV AM AMA AME AMIS | altitude reservation amplitude modulation area minimum altitude aircraft maintenance engineer aircraft movement information service |
| ALTRV AM AMA AME AMIS AMSL | altitude reservation amplitude modulation area minimum altitude aircraft maintenance engineer aircraft movement information service above mean sea level |
| ALTRV AM AMA AME AMIS AMSL | altitude reservation amplitude modulation area minimum altitude aircraft maintenance engineer aircraft movement information service above mean sea level |
| ALTRV AM AMA AME AMIS AMSL ANS | altitude reservation amplitude modulation area minimum altitude aircraft maintenance engineer aircraft movement information service above mean sea level air navigation system |
| ALTRV AM AMA AME AMIS AMSL ANS ANSP | altitude reservation amplitude modulation area minimum altitude aircraft maintenance engineer aircraft movement information service above mean sea level air navigation system air navigation service provider |
| ALTRV AM AMA AME AMIS AMSL ANS ANSP AOC | altitude reservation amplitude modulation area minimum altitude aircraft maintenance engineer aircraft movement information service above mean sea level air navigation system air navigation service provider air operator certificate |
| ALTRV AM AMA AME AMIS AMSL ANS ANSP AOC AOC | altitude reservation amplitude modulation area minimum altitude aircraft maintenance engineer aircraft movement information service above mean sea level air navigation system air operator certificate Aviation Operations Centre |
| ALTRV AM AMA AME AMIS AMSL ANS ANSP AOC AOC | altitude reservation amplitude modulation area minimum altitude aircraft maintenance engineer aircraft movement information service above mean sea level air navigation system air operator certificate Aviation Operations Centre |
| ALTRV AM AMA AME AMIS AMSL ANS ANSP AOC AOC AOE | altitude reservation amplitude modulation area minimum altitude aircraft maintenance engineer aircraft movement information service above mean sea level air navigation service provider air operator certificate Aviation Operations Centre airport of entry |
| ALTRV AM AMA AME AMIS AMSL ANS ANSP AOC AOC AOE | altitude reservation amplitude modulation area minimum altitude aircraft maintenance engineer aircraft movement information service above mean sea level air navigation service provider air operator certificate Aviation Operations Centre airport of entry |
| ALTRV AM AMA AME AMIS AMSL ANS ANSP AOC AOC AOE AOM APAPI | altitude reservation |
| ALTRV AM AMA AME AMIS AMSL ANS ANSP AOC AOC AOE AOM APAPI | altitude reservation |
| ALTRV AM AMA AME AMIS AMSL ANSL ANSP AOC AOC AOC AOC AOM APAPI APREO | altitude reservation amplitude modulation area minimum altitude aircraft maintenance engineer aircraft movement information service above mean sea level air navigation system air navigation system air operator certificate Aviation Operations Centre airport of entry airport operations manual abbreviated precision approach path indicator approval request |
| ALTRV AM AMA AME AMIS AMSL ANSL ANSP AOC AOC AOC AOC AOM APAPI APREO | altitude reservation amplitude modulation area minimum altitude aircraft maintenance engineer aircraft movement information service above mean sea level air navigation system air navigation system air operator certificate Aviation Operations Centre airport of entry airport operations manual abbreviated precision approach path indicator approval request |
| ALTRV AM AMA AME AME AMIS AMSL ANS ANSP AOC AOC AOC AOC AOE AOM APAPI APREQ APRT APV | altitude reservation amplitude modulation area minimum altitude aircraft maintenance engineer aircraft movement information service above mean sea level air navigation service provider air operator certificate Aviation Operations Centre airport of entry airport operations manual abbreviated precision approach path indicator airport airport |
| ALTRV AM AMA AME AMIS AMSL ANS ANSP AOC AOC AOC AOC AOE AOM APAPI APREQ APRT APV ARCAL | altitude reservation amplitude modulation area minimum altitude aircraft maintenance engineer aircraft movement information service above mean sea level air navigation system air navigation service provider air operator certificate Aviation Operations Centre airport of entry airport of entry airport of entry airport approach path indicator airport airport airport airport airport airport airport airport airport airport airport airport airport airport airport airport airport |
| ALTRV AM AMA AME AMIS AMSL ANS ANSP AOC AOC AOC AOC AOE AOM APAPI APREQ APRT APV ARCAL | altitude reservation amplitude modulation area minimum altitude aircraft maintenance engineer aircraft movement information service above mean sea level air navigation system air navigation service provider air operator certificate Aviation Operations Centre airport of entry airport of entry airport of entry airport approach path indicator airport airport airport airport airport airport airport airport airport airport airport airport airport airport airport airport airport |
| ALTRV AM AMA AME AMIS AMSL ANS ANSP AOC AOC AOC AOC AOC AOE AOM APAPI APREQ APRT APV ARCAL ARFF | altitude reservation amplitude modulation area minimum altitude aircraft maintenance engineer aircraft movement information service above mean sea level air navigation service provider air operator certificate Aviation Operations Centre airport of entry airport operations manual abbreviated precision approach path indicator airport airport airport approach path indicator airport Approach procedure with vertical guidance aircraft Rescue and Fire Fighting |
| ALTRV AM AMA AME AMIS AMSL ANS ANSP AOC AOC AOC AOC AOE AOM APAPI APREQ APRT APV ARCAL ARFF ARP | altitude reservation amplitude modulation area minimum altitude aircraft maintenance engineer aircraft movement information service above mean sea level air navigation system air navigation service provider air operator certificate Aviation Operations Centre airport of entry airport of entry airport of entry airport approach path indicator airport approach procedure with vertical guidance aircraft Rescue and Fire Fighting aerodrome reference point |
| ALTRV AM AMA AME AMIS AMSL AMSL ANS ANSP AOC AOC AOC AOC AOC AOE AOM APAPI APREQ APRT APRT APV ARCAL ARFF ARP ASDA | altitude reservation amplitude modulation area minimum altitude aircraft maintenance engineer aircraft movement information service above mean sea level air navigation system air navigation service provider air operator certificate Aviation Operations Centre airport of entry airport of entry airport of entry airport of entry airport approach path indicator airport approach procedure with vertical guidance aircraft Rescue and Fire Fighting accelerate-stop distance available |
| ALTRV AM AMA AME AMIS AMSL AMSL ANS ANSP AOC AOC AOC AOC AOC AOC AOC AOC AOC APAPI APREQ APRT APREQ ARCAL ARFF ARP ASDA ASDE | altitude reservation amplitude modulation area minimum altitude aircraft maintenance engineer aircraft movement information service above mean sea level air navigation service provider air navigation service provider air operator certificate Aviation Operations Centre airport of entry airport operations manual abbreviated precision approach path indicator airport approach procedure with vertical guidance aircraft Rescue and Fire Fighting aerodrome reference point accelerate-stop distance available airport surface detection equipment |
| ALTRV AM AMA AME AMIS AMSL AMSL ANS ANSP AOC AOC AOC AOC AOC AOC AOC AOC AOC APAPI APREQ APRT APREQ APRT ARCAL ARFF ARP ASDA ASDE | altitude reservation amplitude modulation area minimum altitude aircraft maintenance engineer aircraft movement information service above mean sea level air navigation service provider air navigation service provider air operator certificate Aviation Operations Centre airport of entry airport operations manual abbreviated precision approach path indicator airport approach procedure with vertical guidance aircraft Rescue and Fire Fighting aerodrome reference point accelerate-stop distance available airport surface detection equipment |
| ALTRV AM AMA AME AMIS AMSL AMSL ANS ANSP AOC AOC AOC AOC AOC AOE AOM APAPI APREQ APRT APRT APRT APV ARCAL ARFF ARP ASDA ASDE ASL | altitude reservation amplitude modulation area minimum altitude aircraft maintenance engineer aircraft movement information service above mean sea level air navigation service provider air navigation service provider air operator certificate Aviation Operations Centre airport of entry airport of entry airport of entry airport of entry airport approach path indicator airport approach procedure with vertical guidance aircraft Rescue and Fire Fighting Aircraft Rescue and Fire Fighting accelerate-stop distance available airport surface detection equipment above sea level |
| ALTRV AM AMA AME AMIS AMSL AMSL ANS ANSP AOC AOC AOC AOC AOC AOC AOC AOC AOC AOC | altitude reservation amplitude modulation area minimum altitude aircraft maintenance engineer aircraft movement information service above mean sea level air navigation service provider air navigation service provider air operator certificate Aviation Operations Centre airport of entry airport operations manual abbreviated precision approach path indicator airport approach procedure with vertical guidance aircraft Rescue and Fire Fighting Aircraft Rescue and Fire Fighting accelerate-stop distance available airport surface detection equipment above sea level actual time of arrival |
| ALTRV AM AMA AMA AME AMIS AMSL AMSL ANS ANSP AOC AOC AOC AOC AOC AOC AOC AOC AOC AOC | altitude reservation amplitude modulation area minimum altitude aircraft maintenance engineer aircraft movement information service above mean sea level air navigation system air navigation service provider air operator certificate Aviation Operations Centre airport of entry airport operations manual abbreviated precision approach path indicator airport approach procedure with vertical guidance aircraft radio control of aerodrome lighting Aircraft Rescue and Fire Fighting accelerate-stop distance available airport surface detection equipment above sea level air traffic control |
| ALTRV AM AMA AME AMIS AMSL AMSL ANS ANSP AOC AOC AOC AOC AOC AOC AOC AOC AOC AOC | altitude reservation amplitude modulation area minimum altitude aircraft maintenance engineer aircraft movement information service above mean sea level air navigation system air navigation service provider air operator certificate Aviation Operations Centre airport of entry airport operations manual abbreviated precision approach path indicator airport aircraft radio control of aerodrome lighting Aircraft Rescue and Fire Fighting accelerate-stop distance available airport surface detection equipment air traffic control air traffic control air traffic control air traffic control aerodrome traffic frequency |
| ALTRV AM AMA AME AMIS AMSL AMSL ANS ANSP AOC AOC AOC AOC AOC AOC AOC AOC AOC AOC | altitude reservation amplitude modulation area minimum altitude aircraft maintenance engineer aircraft movement information service above mean sea level air navigation system air navigation service provider air operator certificate Aviation Operations Centre airport of entry airport operations manual abbreviated precision approach path indicator airport aircraft radio control of aerodrome lighting Aircraft Rescue and Fire Fighting accelerate-stop distance available airport surface detection equipment air traffic control air traffic control air traffic control air traffic control aerodrome traffic frequency |
| ALTRV AM AMA AME AMIS AMSL AMSL ANS ANSP AOC AOC AOC AOC AOC AOC AOC AOC AOC AOC | altitude reservation amplitude modulation area minimum altitude aircraft maintenance engineer aircraft movement information service above mean sea level air navigation service provider air navigation service provider air operator certificate Aviation Operations Centre airport of entry airport operations manual abbreviated precision approach path indicator airport approach procedure with vertical guidance aircraft radio control of aerodrome lighting Aircraft Rescue and Fire Fighting accelerate-stop distance available airport surface detection equipment air traffic control air traffic control air traffic frequency air traffic flow management |
| ALTRV AM AMA AME AMIS AMSL AMSL ANS ANSP AOC AOC AOC AOC AOC AOC AOC AOC AOC AOC | altitude reservation amplitude modulation area minimum altitude aircraft maintenance engineer aircraft movement information service above mean sea level air navigation service provider air navigation service provider air operator certificate Aviation Operations Centre airport of entry airport operations manual abbreviated precision approach path indicator airport aircraft radio control of aerodrome lighting Aircraft Rescue and Fire Fighting accelerate-stop distance available airport surface detection equipment air traffic control air traffic control air traffic frequency air traffic flow management automatic terminal information service |
| ALTRV AM AMA AME AMIS AMSL AMSL ANS ANSP AOC AOC AOC AOC AOC AOC AOC AOC AOC AOC | altitude reservation amplitude modulation area minimum altitude aircraft maintenance engineer aircraft movement information service above mean sea level air navigation service provider air navigation service provider air operator certificate Aviation Operations Centre airport of entry airport operations manual abbreviated precision approach path indicator airport approach procedure with vertical guidance aircraft radio control of aerodrome lighting Aircraft Rescue and Fire Fighting accelerate-stop distance available airport surface detection equipment air traffic control air traffic control air traffic frequency air traffic flow management |

| | height above aerodrome |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HAT | height above touchdown |
| HDG | heading |
| HF | high frequency HF data link |
| HFDL | |
| Нд | mercury |
| HIAL | |
| HIRO | high-intensity runway operations |
| HLA | high-level airspace hight monitoring unit |
| HMU | height monitoring unit |
| hPa | hectopascal |
| HPL | horizontal protection limit |
| hr | horizontal situation indicator |
| HSI | horizontal situation indicator |
| Hz | hertz |
| IAF IAP | initial approach fix |
| IAP IAS | instrument approach procedure |
| | indicated airspeed |
| | initial approach waypoint International Civil Aviation Organization |
| IF | intermediate fix |
| IFF | intermediate fix identification, friend or foe |
| IFR | instrument flight rules |
| IFSS | international flight service station |
| IFT | instrument flight test |
| ILS | instrument landing system |
| IMC | instrument meteorological conditions |
| INF | inland navigation fix |
| INS | inertial navigation system |
| INTXN | |
| IRS | inertial reference system |
| IRU | inertial reference unit |
| ISA | International Standard Atmosphere |
| IWP | intermediate approach waypoint |
| J or JE1 | |
| JRCC | Joint rescue co-ordination centre |
| | |
| kH7 | kilohertz |
| kHz KIAS | kilohertz knots indicated airspeed |
| kHz KIAS kN | kilogram kilohertz knots indicated airspeed kilonewton |
| kN kt | |
| kN kt | |
| kNkt LAAS LAHSO | kılonewton knot local-area augmentation system Land and Hold Short Operations |
| kNkt LAAS LAHSO LAWO | kılonewton knot local-area augmentation system Land and Hold Short Operations limited aviation weather observation |
| kNkt LAAS LAHSO LAWO lb | kılonewton knot local-area augmentation system Land and Hold Short Operations limited aviation weather observation |
| kNkt LAAS LAHSO LAWO lb LDA | kılonewton knot local-area augmentation system Land and Hold Short Operations limited aviation weather observation pound landing distance available |
| kNkt kt LAAS LAHSO LAWO lb LDA LED | kilonewton knot local-area augmentation system Land and Hold Short Operations limited aviation weather observation pound landing distance available light-emitting diode |
| kNkt LAAS LAHSO LAWO lb LDA LED LEO | kılonewton knot local-area augmentation system Land and Hold Short Operations limited aviation weather observation pound landing distance available light-emitting diode low earth orbit |
| kNkt LAAS LAHSO LAWO lb LDA LED LEO | kılonewton knot local-area augmentation system Land and Hold Short Operations limited aviation weather observation pound landing distance available light-emitting diode low earth orbit |
| kNkN kt LAAS LAHSO LAWO lb LDA LED LEO LF LIAL | kilonewton knot local-area augmentation system Land and Hold Short Operations limited aviation weather observation pound landing distance available light-emitting diode low frequency low intensity approach lighting |
| kN kt LAAS LAHSO LAWO lb LDA LED LED LEO LF LIAL LIDAR | kilonewton knot local-area augmentation system Land and Hold Short Operations limited aviation weather observation pound landing distance available light-emitting diode low earth orbit low frequency low intensity approach lighting light detection and ranging |
| kN kt LAAS LAHSO LAWO lb LDA LED LED LEO LF LIAL LIDAR LLA | kilonewton knot local-area augmentation system Land and Hold Short Operations limited aviation weather observation pound landing distance available light-emitting diode low earth orbit low frequency low intensity approach lighting light detection and ranging low-level airspace |
| kN kt LAAS LAHSO LAWO lb LDA LED LED LEO LIAL LIDAR LIAL LIDAR LLA LOC LNAV | kilonewton knot local-area augmentation system Land and Hold Short Operations limited aviation weather observation pound landing distance available light-emitting diode low earth orbit low frequency low intensity approach lighting light detection and ranging localizer localizer |
| kN kt LAAS LAHSO LAWO lb LDA LED LED LEO LIAL LIDAR LIAL LIDAR LLA LOC LNAV LP | kilonewton knot local-area augmentation system Land and Hold Short Operations limited aviation weather observation pound landing distance available light-emitting diode low earth orbit low frequency low intensity approach lighting light detection and ranging low-level airspace localizer lateral navigation localizer performance without vertical guidance |
| kN kt LAAS LAHSO LAWO lb LDA LED LEO LEO LIAL LIDAR LIAL LOC LNAV LP LPV | kilonewton knot local-area augmentation system Land and Hold Short Operations limited aviation weather observation pound landing distance available light-emitting diode low earth orbit low frequency low intensity approach lighting light detection and ranging localizer lateral navigation localizer performance without vertical guidance |
| kN kt LAAS LAHSO LAHSO LAWO lb LDA LED LED LEO LIAL LIDAR LIAL LIDAR LIAA LOC LNAV LP LPV LRNS | kilonewton knot local-area augmentation system Land and Hold Short Operations limited aviation weather observation pound landing distance available light-emitting diode low earth orbit low frequency low frequency low frequency light detection and ranging light detection and ranging low-level airspace localizer lateral navigation localizer performance without vertical guidance long range navigation system |
| kN kt LAAS LAHSO LAHSO LAWO lb LDA LED LED LEO LIAL LIDAR LIAL LIDAR LIAA LOC LNAV LP LPV LRNS | kilonewton knot local-area augmentation system Land and Hold Short Operations limited aviation weather observation pound landing distance available light-emitting diode low earth orbit low frequency low frequency low frequency light detection and ranging light detection and ranging low-level airspace localizer lateral navigation localizer performance without vertical guidance long range navigation system |
| kN kt LAAS LAHSO LAHSO LAWO lb LDA LED LED LEO LIAL LIDAR LIAL LIDAR LIAA LOC LNAV LP LPV LRNS LVOP LWIS | kilonewton knot local-area augmentation system Land and Hold Short Operations limited aviation weather observation pound landing distance available light-emitting diode low earth orbit low frequency low frequency low intensity approach lighting light detection and ranging light detection and ranging low-level airspace localizer lateral navigation localizer performance without vertical guidance long range navigation system limited weather information system |
| kN kt LAAS LAHSO LAHSO LAWO b LDA LED LED LEO LF LIAL LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LIDAR LID | kilonewton knot local-area augmentation system Land and Hold Short Operations limited aviation weather observation pound landing distance available light-emitting diode low earth orbit low frequency low frequency low intensity approach lighting light detection and ranging light detection and ranging localizer lateral navigation localizer performance with vertical guidance long range navigation system low visibility operations plan limited weather information system missed approach |
| kN kt LAAS LAAS LAHSO LAWO b b LDA LED LED LEC LF LIAL LIAA LIDAR LIAA LOC LNAV LP LPV LRNS LVOP LWIS MA MALS | kilonewton knot local-area augmentation system Land and Hold Short Operations limited aviation weather observation pound landing distance available light-emitting diode low earth orbit low frequency low frequency low intensity approach lighting localizer lateral navigation localizer performance with vertical guidance long range navigation system low visibility operations plan limited weather information system missed approach medium intensity approach lighting system |
| kN kt LAAS LAAS LAHSO LAWO b b LDA LED LED LEC LF LIAL LIAA LIDAR LIAA LOC LNAV LP LPV LRNS LVOP LWIS MA MALS | kilonewton knot local-area augmentation system Land and Hold Short Operations limited aviation weather observation pound landing distance available light-emitting diode low earth orbit low frequency low frequency low intensity approach lighting light detection and ranging light detection and ranging light detection and ranging localizer lateral navigation localizer localizer performance with vertical guidance long range navigation system low visibility operations plan limited weather information system missed approach medium intensity approach lighting system with |
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| kN kt LAAS. LAAS. LAHSO. LAWO lb LDA LED LED LEO LEO LEO LIAL. LIAL. LIAL. LIAL. LIAR. LOC LIAL LNAV. LP LPV LPV LRNS LVOP L LVOP L LVOP L LWIS. MALSF MALSR | kilonewton knot local-area augmentation system Land and Hold Short Operations limited aviation weather observation pound landing distance available light-emitting diode low earth orbit low frequency low intensity approach lighting light detection and ranging light detection and ranging low-level airspace localizer lateral navigation localizer performance without vertical guidance log range navigation system low visibility operations plan limited weather information system medium intensity approach lighting system with sequenced flashing lights medium intensity approach lighting system with sequenced flashing lights |
| kN kt LAAS. LAAS. LAHSO. LAWO lb LDA LED LED LEO LEO LEO LIAL. LIAL. LIAL. LIAL. LIAR. LOC LIAL LNAV. LP LPV LPV LRNS LVOP L LVOP L LVOP L LWIS. MALSF MALSR | kilonewton knot local-area augmentation system Land and Hold Short Operations limited aviation weather observation pound landing distance available light-emitting diode low earth orbit low frequency low intensity approach lighting light detection and ranging light detection and ranging low-level airspace localizer lateral navigation localizer performance without vertical guidance log range navigation system low visibility operations plan limited weather information system medium intensity approach lighting system with sequenced flashing lights medium intensity approach lighting system with sequenced flashing lights |
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| kN kt LAAS LAHSO LAHSO LAWO lb LDA LED LED LEO LF LIAL LIDAR LIAA LIDAR LIAA LOC LNAV LP LPV LRNS LVOP LWIS MALSF MALSR MANAB MANAB | kilonewton knot local-area augmentation system Land and Hold Short Operations imited aviation weather observation pound landing distance available light-emitting diode low arth orbit low arth orbit low frequency low intensity approach lighting light detection and ranging low-level airspace localizer lateral navigation localizer performance without vertical guidance long range navigation system low visibility operations plan limited weather information system medium intensity approach lighting system with sequenced flashing lights medium intensity approach lighting system with runway alignment indicator lights Manual of Standards and Procedures for Aviation Weather Forecasts |
| kN kt LAAS LAHSO LAHSO LAWO b LDA LDA LED LED LED LIAL LIDAR LIAL LIDAR LIAL LIDAR LIAL LOC LNAV LP LPV LRNS LVOP LWIS MALSR MALSR MANAB MANOBS | kilonewton knot local-area augmentation system Land and Hold Short Operations limited aviation weather observation pound landing distance available light-emitting diode low earth orbit low arth orbit low frequency low intensity approach lighting light detection and ranging low-level airspace localizer lateral navigation localizer localizer performance without vertical guidance long range navigation system low visibility operations plan limited weather information system medium intensity approach lighting system with sequenced flashing lights medium intensity approach lighting system with runway alignment indicator lights Manual of Standards and Procedures for Aviation Weather Forecasts Manual of Surface Weather Observations |
| kN kt LAAS LAHSO LAHSO LAWO lb LDA LED LED LED LIAL LIDAR LIAL LIDAR LIAL LIDAR LIAL LOC LNAV LP LPV LRNS LVOP LWIS MALSR MALSR MANAB MANOBS MANOT | kilonewton knot local-area augmentation system Land and Hold Short Operations limited aviation weather observation pound light-emitting diode light-emitting diode low earth orbit low frequency low intensity approach lighting light detection and ranging light detection and ranging low-level airspace localizer lateral navigation localizer performance with vertical guidance long range navigation system low visibility operations plan limited weather information system medium intensity approach lighting system with sequenced flashing lights medium intensity approach lighting system with runway alignment indicator lights <i>Manual of Word Abbreviations</i> |

GEN

DRdead reckoning navigation DRCO dial-up remote communications outlet DTdaylight saving time DTW downwind termination waypoint DVFR..... defence visual flight rules D-VOLMET.....data link VOLMET Еeast EAD.....European AIS Database EASA..... European Aviation Safety Agency EATexpected approach time ECAC.....European Civil Aviation Conference ECCC.....Environment and Climate Change Canada EETestimated elapsed time EFC expected further clearance time ELTemergency locator transmitter EMAS engineered material arresting system EMI electromagnetic interference ERS Emergency Response Service ESCAT Plan.....Emergency Security Control of Air Traffic Plan Eastern Standard Time EST (NOTAM)..... estimated time (NOTAM) ETAestimated time of arrival ETDestimated time of departure ETEestimated time en route EWH......eye-to-wheel height FAAFederal Aviation Administration (USA) FACF.....final approach course fix FAF final approach fix FANS future air navigation systems FARs Federal Aviation Regulations (USA) FATO final approach and take-off area FAWP..... final approach waypoint FD upper level wind and temperature forecast FDE fault detection and exclusion FEflight engineer FICflight information centre FIR flight information region FISEflight information service en route FLflight level FLAS flight level allocation scheme FMfrequency modulation FMC....flight management computer FMSflight management system FPflight plan fpmflash per minute FPUIflight plan unique identifier FPV first-person view FRT fixed radius transition FSM flight system management (data link) FSSflight service station FSTD flight simulation training device FTEflight technical error GBAS......ground-based augmentation system GEO geostationary earth orbit (or geosynchronous equatorial orbit) GEO geosynchronous earth orbit GESground earth station GFAgraphic area forecast GHz gigahertz GLONASS..........global orbiting navigation satellite system GMU.....GPS monitoring unit GOTA Gander oceanic transition area GPglide path GPL glider pilot licence GPWS ground proximity warning system GSglide slope

GYP gyroplane pilot permit

DNDDepartment of National Defence

| OCI | obstacle clearance limit |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 000L | |
| OCL | oceanic clearance (data link) |
| 000 | -1 |
| 005 | obstacle clearance surface |
| ODALS | omnidirectional approach lighting system |
| ODALS | similar ectional approach fighting system |
| ODI | opposite direction level |
| ODL | opposite uncetion level |
| ODP | obstacle departure procedure |
| 0.000 | |
| OEP | oceanic entry/exit point |
| 057 | -1 1. C |
| OFZ | obstacle free zone |
| OIDC | obstacle free zone operational information display system |
| 01D5 | operational information display system |
| OKTA | one-eighth |
| UK1A | obstacle limitation surface |
| OLS | obstacle limitation surface |
| 010 | |
| OPS | obstacle protection surface |
| | |
| 015 | organized track system |
| OTT | over-the-top |
| 011 | over-me-top |
| PAC | Pacific |
| 1/10 | |
| PAL | peripheral station |
| DADI | · · · · · · · · · · · · · · · · · · · |
| PAPI | precision approach path indicator |
| DAD | nradicion approach radar |
| ГАК | precision approach radar |
| PAS | private advisory station |
| 17.0 | private advisory station |
| PBN | performance-based navigation |
| DCN | |
| PUN | pavement classification number (ICAO) |
| PDC | pre-departure clearance (data link) |
| | pre-departure clearance (data link) |
| PDE | |
| | |
| PIC | pilot-in-command |
| | |
| PIREP | pilot weather report |
| | |
| PLK | pavement load rating |
| DN | prior notice required |
| FIN | prior notice required |
| PPC | nilot proficiency check |
| 110 | phot proficiency check |
| PPL | private pilot licence |
| DDD | · · · · · · · · · · · · · · · · · · · |
| РРК | prior permission required |
| DDC | i i i i i i i i i i i i i i i i i i i |
| PPS | present position symbol preferred routes message |
| DD M | preferred routes message |
| I IXIVI | preferred routes message |
| PRN | pseudorandom noise |
| DOI | |
| PSI | pounds per square inch |
| DCD | nrimoru auruaillanaa radar |
| P 5K | primary surveillance radar |
| DOTN | nublic quitched tolophone notwork |
| | |
| PSIN | public switched telephone network |
| PSIN PT | procedure turn |
| PSTN PT | procedure turn |
| PSTN PT PWS | procedure turn predictive wind shear system |
| PSTN PT PWS | public switched telephone network procedure turn predictive wind shear system |
| PSTN PT PWS R | procedure turn procedure turn predictive wind shear system radial |
| R | radial |
| R R | radial radius |
| R R | radial radius |
| R R RA | radial radius resolution advisory |
| R R RA | radial radius resolution advisory |
| R R RA RAAS | radial radius resolution advisory remote aerodrome advisory service |
| R R RA RAAS RAIM | radial radius resolution advisory remote aerodrome advisory service receiver autonomous integrity monitoring |
| R R RA RAAS RAIM | radial radius resolution advisory remote aerodrome advisory service receiver autonomous integrity monitoring |
| R R RA RAAS RAIM RAMO | radial radius resolution advisory remote aerodrome advisory service receiver autonomous integrity monitoring regional aviation medical officer |
| R R RA RAAS RAIM RAMO | radial radius resolution advisory remote aerodrome advisory service receiver autonomous integrity monitoring regional aviation medical officer |
| R RA RAAS RAIM RAMO RASS | radial radius resolution advisory remote aerodrome advisory service receiver autonomous integrity monitoring regional aviation medical officer remote altimeter setting source |
| R RA RAAS RAIM RAMO RASS | radial radius resolution advisory remote aerodrome advisory service receiver autonomous integrity monitoring regional aviation medical officer remote altimeter setting source |
| R RA RAAS RAIM RAMO RASS Rc | radial radius resolution advisory remote aerodrome advisory service receiver autonomous integrity monitoring regional aviation medical officer remote altimeter setting source radius of containment |
| R RA RAAS RAIM RAMO RASS Rc | radial radius resolution advisory remote aerodrome advisory service receiver autonomous integrity monitoring regional aviation medical officer remote altimeter setting source radius of containment |
| R RA RAAS RAIM RAMO RASS Rc RCAP | radial radius resolution advisory remote aerodrome advisory service receiver autonomous integrity monitoring regional aviation medical officer remote altimeter setting source radius of containment <i>Restricted Canada Air Pilot</i> |
| R R RA RAAS RAIM RAMO RASS Rc RCAP RCD | radial radius resolution advisory receiver autonomous integrity monitoring regional aviation medical officer remote altimeter setting source radius of containment <i>Restricted Canada Air Pilot</i> departure clearance request (data link) |
| R R RA RAAS RAIM RAMO RASS Rc RCAP RCD | radial radius resolution advisory receiver autonomous integrity monitoring regional aviation medical officer remote altimeter setting source radius of containment <i>Restricted Canada Air Pilot</i> departure clearance request (data link) |
| R R RA RAAS RAIM RAMO RASS Rc RCAP RCD RCMP | radial radius resolution advisory remote aerodrome advisory service receiver autonomous integrity monitoring regional aviation medical officer remote altimeter setting source radius of containment <i>Restricted Canada Air Pilot</i> departure clearance request (data link) Royal Canadian Mounted Police |
| R R RA RAAS RAIM RAMO RASS Rc RCAP RCD RCMP | radial radius resolution advisory remote aerodrome advisory service receiver autonomous integrity monitoring regional aviation medical officer remote altimeter setting source radius of containment <i>Restricted Canada Air Pilot</i> departure clearance request (data link) Royal Canadian Mounted Police |
| R | radial radius resolution advisory remote aerodrome advisory service receiver autonomous integrity monitoring regional aviation medical officer remote altimeter setting source radius of containment <i>Restricted Canada Air Pilot</i> departure clearance request (data link) Royal Canadian Mounted Police remote communications outlet |
| R | radial radius resolution advisory remote aerodrome advisory service receiver autonomous integrity monitoring regional aviation medical officer remote altimeter setting source radius of containment <i>Restricted Canada Air Pilot</i> departure clearance request (data link) Royal Canadian Mounted Police remote communications outlet runway edge lights |
| R | radial radius resolution advisory remote aerodrome advisory service receiver autonomous integrity monitoring regional aviation medical officer remote altimeter setting source radius of containment <i>Restricted Canada Air Pilot</i> departure clearance request (data link) Royal Canadian Mounted Police remote communications outlet runway edge lights |
| R RA RAAS RAIM RAMO RASS Rc RCAP RCD RCMP RCO REDL REDL RENL | radial radius resolution advisory remote aerodrome advisory service eceiver autonomous integrity monitoring regional aviation medical officer remote altimeter setting source radius of containment <i>Restricted Canada Air Pilot</i> departure clearance request (data link) Royal Canadian Mounted Police remote communications outlet runway edge lights runway end lights |
| R RA RAAS RAIM RAMO RASS Rc RCAP RCD RCMP RCO REDL REDL RENL | radial radius resolution advisory remote aerodrome advisory service eceiver autonomous integrity monitoring regional aviation medical officer remote altimeter setting source radius of containment <i>Restricted Canada Air Pilot</i> departure clearance request (data link) Royal Canadian Mounted Police remote communications outlet runway edge lights runway end lights |
| R RA RAAS RAIM RAMO RAMO RASS RC RCAP RCD RCMP RCO REDL REDL RENL | radial radius resolution advisory remote aerodrome advisory service eceiver autonomous integrity monitoring regional aviation medical officer remote altimeter setting source radius of containment <i>Restricted Canada Air Pilot</i> departure clearance request (data link) Royal Canadian Mounted Police remote communications outlet runway edge lights runway end lights |
| R RA RAAS RAIM RAMO RAMO RASS RC RCAP RCD RCMP RCO REDL REDL RENL | radial radius resolution advisory remote aerodrome advisory service eceiver autonomous integrity monitoring regional aviation medical officer remote altimeter setting source radius of containment <i>Restricted Canada Air Pilot</i> departure clearance request (data link) Royal Canadian Mounted Police remote communications outlet runway edge lights runway end lights |
| R RA RAAS RAIM RAMO RAMO RASS RC RCAP RCD RCMP RCO REDL REDL RENL RENL RESA RETIL | radial radius resolution advisory remote aerodrome advisory service eceiver autonomous integrity monitoring regional aviation medical officer remote altimeter setting source radius of containment <i>Restricted Canada Air Pilot</i> departure clearance request (data link) Royal Canadian Mounted Police remote communications outlet runway edge lights runway end lights runway end safety area |
| R R RA RAAS RAIM I RAMO RASS RC RCAP RCD RCD RCD RCD RCD RCD REDL REDL RENL RESA RETIL RF | radial radius resolution advisory remote aerodrome advisory service receiver autonomous integrity monitoring regional aviation medical officer radius of containment <i>Restricted Canada Air Pilot</i> departure clearance request (data link) Royal Canadian Mounted Police remote communications outlet runway edge lights runway end lights runway end safety area radius of fix |
| R R RA RAAS RAIM I RAMO RASS RC RCAP RCD RCD RCD RCD RCD RCD REDL REDL RENL RESA RETIL RF | radial radius resolution advisory remote aerodrome advisory service receiver autonomous integrity monitoring regional aviation medical officer radius of containment <i>Restricted Canada Air Pilot</i> departure clearance request (data link) Royal Canadian Mounted Police remote communications outlet runway edge lights runway end lights runway end safety area radius of fix |
| R RARAS | radial radius resolution advisory remote aerodrome advisory service eceiver autonomous integrity monitoring regional aviation medical officer radius of containment <i>Restricted Canada Air Pilot</i> departure clearance request (data link) Royal Canadian Mounted Police remote communications outlet runway edge lights runway end lights runway end safety area radius to fix radius to fix |
| R RARAS | radial radius resolution advisory remote aerodrome advisory service eceiver autonomous integrity monitoring regional aviation medical officer radius of containment <i>Restricted Canada Air Pilot</i> departure clearance request (data link) Royal Canadian Mounted Police remote communications outlet runway edge lights runway end lights runway end safety area radius to fix radius to fix |
| R RARAS | radial radius resolution advisory remote aerodrome advisory service receiver autonomous integrity monitoring regional aviation medical officer radius of containment <i>Restricted Canada Air Pilot</i> departure clearance request (data link) Royal Canadian Mounted Police remote communications outlet runway edge lights runway end lights runway end safety area radius to fix radio line-of-sight radio magnetic indicator |
| R RA RA RAAS RAIM I RAMO RASS Rc RCAP RCD RCAP RCD RCD RCMP RCO REDL RENL RESA RETIL RESA RETIL RF RLOS RMI RNAV | radial radius resolution advisory remote aerodrome advisory service receiver autonomous integrity monitoring regional aviation medical officer remote altimeter setting source radius of containment <i>Restricted Canada Air Pilot</i> departure clearance request (data link) Royal Canadian Mounted Police remote communications outlet runway edge lights runway end lights runway end safety area radius to fix radio line-of-sight radio magnetic indicator |
| R RA RA RAAS RAIM I RAMO RASS Rc RCAP RCD RCAP RCD RCD RCMP RCO REDL RENL RESA RETIL RESA RETIL RF RLOS RMI RNAV | radial radius resolution advisory remote aerodrome advisory service receiver autonomous integrity monitoring regional aviation medical officer remote altimeter setting source radius of containment <i>Restricted Canada Air Pilot</i> departure clearance request (data link) Royal Canadian Mounted Police remote communications outlet runway edge lights runway end lights runway end safety area radius to fix radio line-of-sight radio magnetic indicator |
| R RA RA RAAS RAIM I RAMO RASS Rc RCAP RCD RCAP RCD RCD RCMP RCO REDL RESA REDL RESA RETIL RESA RETIL RF RLOS RMI RNAV RNP | radial radius resolution advisory remote aerodrome advisory service receiver autonomous integrity monitoring regional aviation medical officer remote altimeter setting source radius of containment <i>Restricted Canada Air Pilot</i> departure clearance request (data link) Royal Canadian Mounted Police remote communications outlet runway edge lights runway end lights runway end safety area radio line-of-sight radio magnetic indicator area navigation required navigation performance |
| R RA RA RAAS RAIM I RAMO RASS Rc RCAP RCD RCAP RCD RCD RCMP RCO REDL RESA REDL RESA RETIL RESA RETIL RF RLOS RMI RNAV RNP | radial radius resolution advisory remote aerodrome advisory service receiver autonomous integrity monitoring regional aviation medical officer remote altimeter setting source radius of containment <i>Restricted Canada Air Pilot</i> departure clearance request (data link) Royal Canadian Mounted Police remote communications outlet runway edge lights runway end lights runway end safety area radio line-of-sight radio magnetic indicator area navigation required navigation performance |
| R RA RA RAAS RAIM RAAS RAIM RASS RC RCAP RCD RCD RCD RCD RCD RCD REDL REDL RESA RETIL RESA RETIL RF RLOS RMI RNAV RNP RNP APCH re | radial radius resolution advisory remote aerodrome advisory service receiver autonomous integrity monitoring regional aviation medical officer remote altimeter setting source radius of containment <i>Restricted Canada Air Pilot</i> departure clearance request (data link) Royal Canadian Mounted Police remote communications outlet runway edge lights runway end lights runway end safety area radio line-of-sight radio magnetic indicator area navigation required navigation performance equired navigation performance |
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| R RA RA RAAS RAIM I RAMO RASS Rc RCAP RCD RCAP RCD RCD REDL REDL REDL RENL RESA RETIL RF RLOS RMI RNAV RNP RNP APCH FC RNP AR APCH. RNPC | radial radius resolution advisory remote aerodrome advisory service receiver autonomous integrity monitoring regional aviation medical officer remote altimeter setting source radius of containment <i>Restricted Canada Air Pilot</i> departure clearance request (data link) Royal Canadian Mounted Police remote communications outlet runway edge lights runway end safety area radio line-of-sight radio line-of-sight radio magnetic indicator area navigation performance authorization performance approach required navigation performance authorization performance capability |
| R RA RA RAAS RAIM I RAMO RASS Rc RCAP RCD RCAP RCD RCD REDL REDL REDL RENL RESA RETIL RF RLOS RMI RNAV RNP RNP APCH FC RNP AR APCH. RNPC | radial radius resolution advisory remote aerodrome advisory service receiver autonomous integrity monitoring regional aviation medical officer remote altimeter setting source radius of containment <i>Restricted Canada Air Pilot</i> departure clearance request (data link) Royal Canadian Mounted Police remote communications outlet runway edge lights runway end safety area radio line-of-sight radio line-of-sight radio magnetic indicator area navigation performance authorization performance approach required navigation performance authorization performance capability |
| R RA RA RAAS RAIM RAMO RASS Rc RCAP RCD RCD RCMP RCO REDL RENL RESA RETIL RF RLOS RMI RNAV RNP RNP APCH RNP APCH RNP APCH RNPC RNPC RONLY | radial radius resolution advisory remote aerodrome advisory service eceiver autonomous integrity monitoring regional aviation medical officer remote altimeter setting source radius of containment <i>Restricted Canada Air Pilot</i> departure clearance request (data link) Royal Canadian Mounted Police remote communications outlet runway edge lights runway end lights runway end safety area radius to fix radio line-of-sight radio magnetic indicator area navigation required navigation performance authorization required approach quired navigation performance capability receiver only |
| R RA RA RAAS RAIM RAMO RASS Rc RCAP RCD RCD RCMP RCO REDL RENL RESA RETIL RF RLOS RMI RNAV RNP RNP APCH RNP APCH RNP APCH RNPC RNPC RONLY | radial radius resolution advisory remote aerodrome advisory service eceiver autonomous integrity monitoring regional aviation medical officer remote altimeter setting source radius of containment <i>Restricted Canada Air Pilot</i> departure clearance request (data link) Royal Canadian Mounted Police remote communications outlet runway edge lights runway end lights runway end safety area radius to fix radio line-of-sight radio magnetic indicator area navigation required navigation performance authorization required approach quired navigation performance capability receiver only |
| R RA RA RAAS RAIM I RAMO RASS Rc RCAP RCD RCMP RCO REDL RENL RESA RETIL RF RLOS RMI RNAV RNP RNP APCH re RNP APCH RNP APCH RNP C re RONLY RPA | radial radius resolution advisory remote aerodrome advisory service eceiver autonomous integrity monitoring regional aviation medical officer remote altimeter setting source radius of containment <i>Restricted Canada Air Pilot</i> departure clearance request (data link) Royal Canadian Mounted Police remote communications outlet runway edge lights runway end safety area radius to fix radio line-of-sight radio line-of-sight required navigation performance authorization required approach quired navigation performance capability reeeiver only remotely piloted aircraft |
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| R RA RAAS RAIM RAAS RAIM RAMO RASS Rc RCAP RCD RCAP RCD RCD RCMP RCO REDL RENL RESA RETIL RF RLOS RMI RNAV RNP RNP APCH RNP APCH | radial radius resolution advisory remote aerodrome advisory service eceiver autonomous integrity monitoring regional aviation medical officer remote altimeter setting source radius of containment <i>Restricted Canada Air Pilot</i> departure clearance request (data link) Royal Canadian Mounted Police remote communications outlet runway edge lights runway end lights runway end safety area radius to fix radio line-of-sight radio magnetic indicator required navigation performance authorization required approach quired navigation performance capability remotely piloted aircraft remotely piloted aircraft redio re-transmit unit |
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| MASPS | minimum aircraft system performance specification |
|--------------|------------------------------------------------------------------------------------|
| MAWP | missed approach waypoint |
| mb MCDU | millibar multipurpose control and display unit |
| MCTOW | maximum certificated takeoff weight |
| | minimum descent altitude minimum en route altitude |
| MEDEVAC | medical evacuation flight |
| MEHT | minimum eye height over threshold |
| MEL MEO | minimum equipment list medium earth orbit |
| METAR | aerodrome routine meteorological report |
| MF | aerodrome routine meteorological report mandatory frequency medium frequency |
| MFAU | medium frequency Military Flight Advisory Unit |
| MHA | minimum holding altitude |
| MHZ MI AT | megahertz multilateration |
| MLS | microwave landing system |
| MM | middle marker minimum navigation performance specifications |
| MNPS | |
| | specifications airspace military operations area |
| MOA MOC | military operations area minimum obstacle clearance |
| MOCA | minimum obstacle clearance altitude |
| | megapascal |
| MRA | miles per hour minimum reception altitude |
| MRB | |
| | minimum sector altitude Mean Sea Level |
| MTCA | military terminal control area |
| MTOW | |
| MU | multifunctional transport satellitemanagement unit (data link) |
| MVA | minimum vectoring altitude |
| MVFR MWO | marginal visual flight rules meteorological watch office |
| Ν | north |
| NAARMO | North American Approvals Registry and Monitoring Organization |
| NACp | navigation accuracy category—position noise abatement departure procedure |
| NADP | noise abatement departure procedure |
| NARNatio | North American route nal Aeronautics and Space Administration |
| | (USA) North Atlantic |
| NAT HLA | North Atlantic North Atlantic |
| NATO | North Atlantic high-level airspace North Atlantic Treaty Organization |
| NAVAID | |
| NCATS | Northern Control Area National Civil Air Transportation System |
| NDA | Northern Domestic Airspace |
| NDB NIC | non-directional beacon navigation integrity category |
| NM | |
| NOHD | Nominal Ocular Hazard Distance |
| NORDO | no radio |
| NPA | |
| NKP NSE | North American Route Program |
| NUCp | navigation uncertainty category—position |
| NVIS | night vision imaging systemnumerical weather prediction |
| OAC | oceanic area control centre |
| OAT | outside air temperature |
| OBS1 | obstacle observer-communicator |
| OCA | oceanic control area |
| | |

| TSE | total system error |
|---------------|-------------------------------------------------------------------------------------------------------------------------|
| TSO | |
| TSR | terminal surveillance radar |
| TWR | control tower |
| UAS | unmanned aircraft system |
| UAV | unmanned air vehicle |
| ULP | ultralight pilot permit |
| UHF | |
| UNICOM | universal communications |
| USB | upper sideband |
| UTC | upper sideband Coordinated Universal Time |
| VAA | volcanic ash advisory |
| VAAC | volcanic ash advisory centre |
| VAGS | Visual Alignment Guidance System |
| VAS | vehicle advisory service |
| VASI | |
| VASIS | visual approach slope indicator system |
| | vehicle advisory service visual approach slope indicator visual approach slope indicator system (generic term) |
| VCOA | visual climb over the airport |
| VCS | |
| VDF | |
| VDI | vertical deviation indicator |
| VDL | |
| VDR | VHF data radio |
| VFR | |
| VGSS | voice generator sub-system |
| VHF | very high frequency |
| VLF | very low frequency |
| VLOS | visual line-of-sight |
| VMC | visual meteorological conditions |
| VNAP | visual line-of-sight visual meteorological conditions vertical noise abatement procedure |
| VNAV | vertical navigation |
| VNC | VFR navigation chart |
| VOLMET | |
| VOR | |
| VORTAC | combination of VOR and TACAN |
| VPA | |
| VTA | VFR terminal area chart |
| VTOL aircraft | vertical takeoff and landing aircraft |
| W | west |
| WAAS | |
| WAFC | world area forecast centre |
| WAFS | world area forecast system |
| WMO | world area forecast system World Meteorological Organization |
| WP | waypoint |
| WPR | waypoint waypoint position report(ing) |
| WS | |
| zulu (Z) | Coordinated Universal Time |

NOTES:

- The Supplements contain additional abbreviations applicable 1 to aeronautical charts and publications.
- 2. Abbreviations typical of meteorology are contained in MET 14.0.

RWYCC..... runway condition code RVOP reduced visibility operations plan RVR runway visual range RVSMreduced vertical separation minimum RWS.....reactive wind shear system Ssouth SA selective availability SARsearch and rescue SATCOM.....satellite communications SATVOICE..... satellite voice communications SBASsatellite-based augmentation system SCA Southern Control Area SCDA.....stabilized constant descent angle SDASouthern Domestic Airspace SELCAL selective calling system SFOCspecial flight operations certificate SIDstandard instrument departure SIF selective identification feature SIGMETsignificant meteorological information SIL source integrity level SLOP.....strategic lateral offset procedure SMstatute mile SNRsignal-to-noise ratio SOPs standard operating procedures SOTAShannon oceanic transition area SPECIaerodrome special meteorological report SPEC VISspecified takeoff minimum visibility runway alignment indicator lights SSALS simplified short approach lighting system SSBsingle sideband SSR secondary surveillance radar STARstandard terminal arrival STOL aircraftshort takeoff and landing aircraft SVFR special VFR flight SVMservice volume model SVN satellite vehicle numbertrue Т TAtraffic advisory TAA.....terminal arrival area TACterminal area chart TACAN..... tactical air navigation aid TAF aerodrome forecast TAS true airspeed TATC Transportation Appeal Tribunal of Canada TAWS..... terrain awareness and warning system TC Transport Canada TC AIM Transport Canada Aeronautical Information Manual TCCA..... Transport Canada Civil Aviation TCA terminal control area TCAS I/II.....traffic alert and collision avoidance system TCH threshold crossing height TCUterminal control unit TDOAtime difference of arrival TDZtouchdown zone TDZE..... touchdown zone elevation TDZL.....touchdown zone lighting TIBA traffic information broadcast by aircraft TLOF touchdown and lift-off area TMItrack message identification TOD top of descent TODAtake-off distance available TORA take-off run available TP Transport Canada publication TRA tower radar area TRB true reference bearings

TRPtower radar plan TSB Transportation Safety Board of Canada