

## GEN 2.2 ABBREVIATIONS USED IN AIS PUBLICATIONS

REF ICAO Doc 8400/4, PANS-ABC.

[ ] Within brackets: symbol of a unit of the international System of Units SI or a non-SI unit used in conjunction with the system

\* not in PANS-ABC

† transmitted in RTF as a spoken word

| A      |                                                                     |          |                                                                         |
|--------|---------------------------------------------------------------------|----------|-------------------------------------------------------------------------|
| A      | Amber                                                               | AIRAC    | publication                                                             |
| A*     | FRA arrival connecting point                                        | AIREP†   | Aeronautical information regulation and control                         |
| A1A*   | A2A, A3E, etc. Designation of typical radio-communication emissions | AIS      | Air-report                                                              |
|        |                                                                     | ALA      | Aeronautical information services                                       |
| A/A    | Air-to-air                                                          | ALERFA†  | Alighting area                                                          |
| AAA    | or AAB, AAC etc. in sequence, Amended meteorological message        | ALR      | Alert phase                                                             |
| AAL    | Above aerodrome level                                               | ALRS     | Alerting (message type designator)                                      |
| AAU*   | Airspace Allocation Unit                                            | ALS      | Alerting service                                                        |
| ABM    | Abeam                                                               | ALT      | Approach lighting system                                                |
| ABN    | Aerodrome beacon                                                    | ALTN     | Altitude                                                                |
| ABV    | Above                                                               |          | Alternate or alternating (light alternates in colour)                   |
| AC     | Altocumulus                                                         | ALTN     | Alternate (aerodrome)                                                   |
| ACAS†  | Airborne collision avoidance system                                 | AMA      | Area minimum altitude                                                   |
| ACC    | Area control centre or area control                                 | AMC*     | Airspace management cell                                                |
| ACCID  | Notification of an aircraft accident                                | AMD      | Amend or amended                                                        |
| ACFT   | Aircraft                                                            | AMDT     | Amendment (AIP amendment)                                               |
| ACK    | Acknowledge                                                         | AMS      | Aeronautical mobile service                                             |
| ACL    | Altimeter check location                                            | AMSL     | Above mean sea level                                                    |
| ACR    | Aircraft classification rating                                      | ANS      | Answer                                                                  |
| ACT    | Active or activated or activity                                     | AOC      | Aerodrome obstacle chart                                                |
| AD     | Aerodrome                                                           | AP       | Airport                                                                 |
| ADA    | Advisory area                                                       | APAPI†   | Abbreviated precision approach path indicator                           |
| ADF    | Automatic direction finding equipment                               | APCH     | Approach                                                                |
| ADIZ†  | Air defence identification zone                                     | APN      | Apron                                                                   |
| ADJ    | Adjacent                                                            | APP      | Approach control office or approach control or approach control service |
| ADR    | Advisory route                                                      |          |                                                                         |
| ADS-B* | Automatic dependent surveillance-broadcast                          | APP*     | Appendix                                                                |
| ADS-C* | Automatic dependent surveillance - contract                         | APR      | April                                                                   |
| ADVS   | Advisory service                                                    | APRX     | Approximate or approximately                                            |
| ADZ    | Advise                                                              | APSG     | After passing                                                           |
| AES    | Aircraft earth station                                              | APV      | Approve or approved or approval                                         |
| AFIL   | Flight plan filed in the air                                        | APV*     | Approach with vertical guidance                                         |
| AFIS   | Aerodrome flight information service                                | ARNG     | Arrange                                                                 |
| AFS    | Aeronautical fixed service                                          | ARO      | Air traffic services reporting office                                   |
| AFTN   | Aeronautical fixed telecommunication network                        | ARP      | Aerodrome reference point                                               |
|        |                                                                     | ARR      | Arrive or arrival                                                       |
| A/G    | Air-to-ground                                                       | ARR      | Arrival (message type designator)                                       |
| AGA    | Aerodromes, air routes and ground aids                              | AS       | Altostratus                                                             |
| AGL    | Above ground level                                                  | ASDA     | Accelerate-stop distance available                                      |
| AGN    | Again                                                               | A-SMGCS* | Advanced surface movement guidance and control system                   |
| AIC    | Aeronautical information circular                                   | ASP*     | Airspace                                                                |
| AIP    | Aeronautical information                                            | ASPH     | Asphalt                                                                 |
|        |                                                                     | ASTA*    | Climatological station                                                  |
|        |                                                                     | ATA      | Actual time of arrival                                                  |
|        |                                                                     | ATC      | Air traffic control (in general)                                        |
|        |                                                                     | ATD      | Actual time of departure                                                |
|        |                                                                     | ATFM     | Air traffic flow management                                             |
|        |                                                                     | ATIS†    | Automatic terminal information service                                  |
|        |                                                                     | ATM      | Air traffic management                                                  |

|             |                                                                                                |          |                                                                 |
|-------------|------------------------------------------------------------------------------------------------|----------|-----------------------------------------------------------------|
| ATN         | Aeronautical telecommunication network                                                         | CCA      | or CCB, CCC, etc. in sequence, Corrected meteorological message |
| ATS         | Air traffic services                                                                           | CD       | Candela                                                         |
| ATZ         | Aerodrome traffic zone                                                                         | CDR*     | Conditional route                                               |
| AUG         | August                                                                                         | CF       | Change frequency to                                             |
| AUTH        | Authorize or authorization                                                                     | CGL      | Circling guidance light(s)                                      |
| AUW         | All up weight                                                                                  | CH       | Channel                                                         |
| AVBL        | Available                                                                                      | CHEM*    | Chemical                                                        |
| AVGAS†      | Aviation gasoline                                                                              | CHG      | Modification ( <i>message type designator</i> )                 |
| AWY         | Airway                                                                                         |          |                                                                 |
| AZM         | Azimuth                                                                                        | CI       | Cirrus                                                          |
| <b>B</b>    |                                                                                                | CIDIN†   | Common ICAO data interchange network                            |
| B           | Blue                                                                                           | CIV      | Civil                                                           |
| BA          | Braking action                                                                                 | CK       | Check                                                           |
| BASE†       | Cloud base                                                                                     | CL       | Centre line                                                     |
| BARO-VNAV*† | Barometric vertical navigation (to be pronounced "BAA-RO-VEE-NAV")                             | CLD      | Cloud                                                           |
| BAZL*       | Federal Office of Civil Aviation (FOCA, OFAC, UFAC)                                            | CLG      | Calling                                                         |
| BCFG        | Fog patches                                                                                    | CLR      | Clear or cleared to or clearance                                |
| BCN         | Beacon ( <i>aeronautical ground light</i> )                                                    | CLSD     | Close or closed or closing                                      |
| BCST        | Broadcast                                                                                      | CM [cm]  | Centimetre                                                      |
| BDRY        | Boundary                                                                                       | CMB      | Climb to or climbing to                                         |
| BFR         | Before                                                                                         | CMPL     | Completion or completed or complete                             |
| BKN         | Broken                                                                                         | CNL      | Cancel or cancelled                                             |
| BL ...      | Blowing ( <i>follow by DU = dust, SA = sand or SN = snow</i> )                                 | CNL      | Flight plan cancellation ( <i>message type designator</i> )     |
| BLDG        | Building                                                                                       | CNS      | Communications, navigation and surveillance                     |
| BLO         | Below clouds                                                                                   | COM      | Communications                                                  |
| BLW         | Below...                                                                                       | CONC     | Concrete                                                        |
| BOMB        | Bombing                                                                                        | COND     | Condition                                                       |
| BR          | Mist                                                                                           | CONS     | Continuous                                                      |
| BRG         | Bearing                                                                                        | CONST    | Construction or constructed                                     |
| BRKG        | Braking                                                                                        | CONT     | Continue(s) or continued                                        |
| B-RNAV*†    | Basic RNAV*†                                                                                   | COORD    | Coordinates                                                     |
| BS          | Commercial broadcasting station                                                                | COP      | Change-over point                                               |
| BTN         | Between                                                                                        | COR      | Correct or corrected or correction                              |
| BUFR*       | Binary universal form for the representation of meteorological data                            | COTSENA* | (= KOSIF)                                                       |
|             |                                                                                                | COTSINA* | (= KOSIF)                                                       |
|             |                                                                                                | COV      | Cover or covered or covering                                    |
|             |                                                                                                | CPDLC    | Controller-pilot data link communications                       |
| <b>C</b>    |                                                                                                | CPL      | Current flight plan ( <i>message type designator</i> )          |
| C [°C]      | Degrees Celsius                                                                                | CRS*     | Course                                                          |
| C           | Centre ( <i>runway identification</i> )                                                        | CRZ      | Cruise                                                          |
| CAG*        | General Aviation Centre (GAC)                                                                  | CS       | Call sign                                                       |
| CAT         | Clear air turbulence                                                                           | CS       | Cirrostratus                                                    |
| CAT         | Category ( <i>in CAT I, II, III operations</i> )                                               | CTA      | Control area                                                    |
| CAVOK†      | Visibility, cloud and present weather better than prescribed values or conditions (KAV-OH-KAY) | CTAM     | Climb to and maintain                                           |
| CB          | (to be pronounced „CEE BEE“) Cumulonimbus                                                      | CTC      | Contact                                                         |
| CBA*        | Cross border area                                                                              | CTL      | Control                                                         |
| CC          | Cirrocumulus                                                                                   | CTN      | Caution                                                         |
|             |                                                                                                | CTR      | Control zone                                                    |
|             |                                                                                                | CU       | Cumulus                                                         |
|             |                                                                                                | CUST     | Customs                                                         |
|             |                                                                                                | CWY      | Clearway                                                        |

| D            |                                                                              |            |                                                                                            |
|--------------|------------------------------------------------------------------------------|------------|--------------------------------------------------------------------------------------------|
| D...         | Danger area ( <i>followed by identification</i> )                            | EB         | Eastbound                                                                                  |
| D            | Downward ( <i>tendency in RVR during previous 10 minutes</i> )               | EET        | Estimated elapsed time                                                                     |
| D*           | FRA departure connecting point                                               | EFB*       | Electronic flight bag                                                                      |
| DA           | Decision altitude                                                            | EFC        | Expect further clearance                                                                   |
| DABS*        | Daily Airspace Bulletin Switzerland                                          | EFVS*      | Enhanced flight vision systems                                                             |
| DCT          | Direct ( <i>in relation to flight plan clearances and type of approach</i> ) | EFVS-A*    | EFVS approach                                                                              |
| DEC          | December                                                                     | EFVS-L*    | EFVS landing                                                                               |
| DECL [decl]* | Declination                                                                  | ELBA†      | Emergency location beacon-aircraft                                                         |
| DEG [°]      | Degrees                                                                      | ELEV       | Elevation                                                                                  |
| DEL*         | Delivery, issuance (ATC clearance)                                           | ELT        | Emergency location transmitter                                                             |
| DEP          | Depart or departure                                                          | EM         | Emission                                                                                   |
| DEP          | Departure ( <i>message type designator</i> )                                 | EMBD       | Embedded in a layer ( <i>to indicate cumulonimbus embedded in layers of other clouds</i> ) |
| DEPO*        | Deposition                                                                   | EMERG      | Emergency                                                                                  |
| DER          | Departure end of the runway                                                  | En*        | English                                                                                    |
| DES          | Descend to or descending to                                                  | END        | Stop-end ( <i>related to RVR</i> )                                                         |
| DEST         | Destination                                                                  | ENE        | East-north-east                                                                            |
| DETRESFA†    | Distress phase                                                               | ENG        | Engine                                                                                     |
| DEV          | Deviation or deviating                                                       | ENR        | En route                                                                                   |
| DFTI         | Distance from touchdown indicator                                            | EOBT       | Estimated off-block time                                                                   |
| DH           | Decision height                                                              | EQPT       | Equipment                                                                                  |
| DIF          | Diffuse                                                                      | ENRC       | Enroute chart                                                                              |
| DIST         | Distance                                                                     | ENRC-FRA*  | Enroute chart -Free Route Airspace                                                         |
| DIV          | Divert or diverting                                                          | ESE        | East-south-east                                                                            |
| DLA          | Delay or delayed                                                             | EST        | Estimate or estimated or estimation ( <i>message type designator</i> )                     |
| DME          | Distance measuring equipment                                                 | ETA        | Estimated time of arrival or estimating arrival                                            |
| DNG          | Danger or dangerous                                                          | ETD        | Estimated time of departure or estimating departure                                        |
| do/id.*      | ditto/idem                                                                   | ETE*       | Summer ( <i>summer time period</i> )                                                       |
| DOC*         | Designated operational coverage (range and height)                           | ETO        | Estimated time over significant point                                                      |
| DOM          | Domestic                                                                     | EUR RODEX* | European regional OPMET data exchange                                                      |
| DP           | Dew point temperature                                                        | EV         | Every                                                                                      |
| DPT          | Depth                                                                        | EVS*       | Enhanced vision system                                                                     |
| DR           | Dead reckoning                                                               | EXC        | Except                                                                                     |
| DR ...       | Low drifting ( <i>follow by DU = dust, SA = sand or SN = snow</i> )          | EXER       | Exercise(s) or exercising or to exercise                                                   |
| DRG          | During                                                                       | EXP        | Expect or expected or expecting                                                            |
| DS           | Duststorm                                                                    | EXTD       | Extend or extending                                                                        |
| DTAM         | Descend to and maintain                                                      | F          |                                                                                            |
| DTG          | Date-time group                                                              | F          | Fixed                                                                                      |
| DTHR         | Displaced runway threshold                                                   | FAC        | Facilities                                                                                 |
| DTW          | Dual tandem wheels                                                           | FAF        | Final approach fix                                                                         |
| DU           | Dust                                                                         | FAL        | Facilitation of international air transport                                                |
| DUC          | Dense upper cloud                                                            | FAP        | Final approach point                                                                       |
| DUR          | Duration                                                                     | FATO       | Final approach and take-off area                                                           |
| DVOR         | Doppler VOR                                                                  | FAX        | Facsimile transmission                                                                     |
| DW           | Dual wheels                                                                  | FCST       | Forecast                                                                                   |
| DZ           | Drizzle                                                                      | FCT        | Friction coefficient                                                                       |
| E            |                                                                              |            |                                                                                            |
| E            | East or eastern longitude                                                    | FEB        | February                                                                                   |
| E*           | FRA horizontal entry point                                                   | FG         | Fog                                                                                        |
| EAT          | Expected approach time                                                       | FIC        | Flight information centre                                                                  |

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|            |                                                              |           |                                                                                        |
|------------|--------------------------------------------------------------|-----------|----------------------------------------------------------------------------------------|
| IGS*       | Instrument guidance system                                   | LIL       | Light intensity low                                                                    |
| ILS        | Instrument landing system                                    | LIM       | Light intensity medium                                                                 |
| IM         | Inner marker                                                 | LM        | Locator, middle                                                                        |
| IMC        | Instrument meteorological conditions                         | LMT       | Local mean time                                                                        |
| IMG        | Immigration                                                  | LNAV      | Lateral navigation                                                                     |
| INA        | Initial approach                                             | LO        | Locator, outer                                                                         |
| INBD       | Inbound                                                      | LOC       | Localizer                                                                              |
| INCERFA†   | Uncertainty phase                                            | LONG [°]  | Longitude                                                                              |
| INFO†      | Information                                                  | LOSS      | Airspeed or headwind loss                                                              |
| INOP       | Inoperative                                                  | LPV       | Localizer performance with vertical guidance                                           |
| INS        | Inertial navigation system                                   | LT*       | Swiss time/local time                                                                  |
| INT        | Intersection                                                 | LTD       | Limited                                                                                |
| INTL       | International                                                | LTP       | Landing threshold point                                                                |
| INTST      | Intensity                                                    | LTT       | Landline teletypewriter                                                                |
| IR         | Ice on runway                                                | LV        | Light and variable ( <i>relating to wind</i> )                                         |
| ISA        | International standard atmosphere                            | LVE       | Leave or leaving                                                                       |
| It*        | Italian                                                      | LVL       | Level                                                                                  |
| <b>J</b>   |                                                              | LVO*      | Low visibility operations                                                              |
| JAA*       | Joint Aviation Authorities                                   | LVP       | Low visibility procedures                                                              |
| JAN        | January                                                      | <b>M</b>  |                                                                                        |
| JTST       | Jet stream                                                   | M [m]     | Metres ( <i>preceded by figures</i> )                                                  |
| JUL        | July                                                         | M         | Mach number ( <i>followed by figures</i> )                                             |
| JUN        | June                                                         | MA*       | Chart of air masses                                                                    |
| <b>K</b>   |                                                              | MAA       | Maximum authorized altitude                                                            |
| KG [kg]    | Kilograms                                                    | MAG       | Magnetic                                                                               |
| KHZ [kHz]  | Kilohertz                                                    | MAINT     | Maintenance                                                                            |
| KM [km]    | Kilometres                                                   | MAP       | Aeronautical maps and charts                                                           |
| KMH [km/h] | Kilometres per hour                                          | MAPT      | Missed approach point                                                                  |
| KOSIF*     | Coordination office for firings and safety of air navigation | MAR       | March                                                                                  |
| KPA [kPa]  | Kilopascal                                                   | MAX       | Maximum                                                                                |
| KT [kt]    | Knots                                                        | MAY       | May                                                                                    |
| KW [kw]    | Kilowatts                                                    | MCA       | Minimum crossing altitude                                                              |
| <b>L</b>   |                                                              | MDA       | Minimum descent altitude                                                               |
| L          | Left ( <i>runway identification</i> )                        | MDH       | Minimum descent height                                                                 |
| L          | Litre                                                        | MEA       | Minimum en-route altitude                                                              |
| L          | Locator (LO)                                                 | MEHT      | Minimum eye height over threshold ( <i>for VAS/S</i> )                                 |
| LAT [°]    | Latitude                                                     | MET†      | Meteorological or meteorology                                                          |
| LC*        | Landing chart                                                | METAR†    | Aerodrome routine meteorological report ( <i>in aeronautical meteorological code</i> ) |
| LCA        | Locally or local or location or located                      | MF        | Medium frequency (300 to 3'000 kHz)                                                    |
| LDA        | Landing distance available                                   | MHZ [MHz] | Megahertz                                                                              |
| LDAH       | Landing distance available, helicopter                       | MID       | Mid-point ( <i>related to RVR</i> )                                                    |
| LDG        | Landing                                                      | MIL       | Military                                                                               |
| LDI        | Landing direction indicator                                  | MIN [min] | Minutes                                                                                |
| LED*       | Light-emitting diode                                         | MKR       | Marker radio beacon                                                                    |
| LEN        | Length                                                       | MLAT*     | Multilateration                                                                        |
| LF         | Low frequency (30 to 300 kHz)                                | MLS       | Microwave landing system                                                               |
| LFHK*      | Chart of Air Navigation Obstacles (ONAV)                     | MM        | Middle marker                                                                          |
| LFN*       | Low Flight Network                                           | MNM       | Minimum                                                                                |
| LGT        | Light or lighting                                            | MNT       | Monitor or monitoring or monitored                                                     |
| LGTD       | Lighted                                                      | MOA       | Military operating area                                                                |
| LIH        | Light intensity high                                         | MOC       | Minimum obstacle clearance ( <i>required</i> )                                         |

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|          |                                                                               |          |                                                                                             |
|----------|-------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------------|
| PRKG     | Parking                                                                       | REP      | Report <i>or</i> reporting <i>or</i> reporting point                                        |
| P-RNAV*† | Precision RNAV                                                                | REQ      | Request <i>or</i> requested                                                                 |
| PROB†    | Probability                                                                   | ERTE     | Re-route                                                                                    |
| PROC     | Procedure                                                                     | RESA     | Runway end safety area                                                                      |
| PROV     | Provisional                                                                   | RETIL *  | Rapid Exit Taxiway Indicator Lights                                                         |
| PS       | Plus                                                                          | RF       | Constant radius arc to a fix                                                                |
| PSG      | Passing                                                                       | RFP*     | Replacement <i>or</i> replaced flight plan                                                  |
| PSN      | Position                                                                      | RG       | Range (lights)                                                                              |
| PSP      | Pierced steel plank                                                           | RGL *    | Runway Guard Light                                                                          |
| PTN      | Procedure turn                                                                | RIF      | Reclearance in flight                                                                       |
| PTS      | Polar track structure                                                         | RL       | Report leaving                                                                              |
| PWR      | Power                                                                         | RLA      | Relay to...                                                                                 |
| <b>Q</b> |                                                                               | RLLS     | Runway lead-in lighting system                                                              |
| QDM      | Magnetic heading ( <i>zero wind</i> )                                         | RMK      | Remark                                                                                      |
| QDR      | Magnetic bearing                                                              | RMZ      | Radio Mandatory Zone                                                                        |
| QFE      | Atmospheric pressure at aerodrome elevation ( <i>or at runway threshold</i> ) | RNAV†    | Area navigation (to be pronounced AR NAV)                                                   |
| QFU      | Magnetic orientation of runway                                                | RNG      | Radio range                                                                                 |
| QNH      | Altimeter sub-scale setting to obtain elevation when on the ground            | RNP      | Required navigation performance                                                             |
| QTE      | True bearing                                                                  | ROBEX†   | Regional OPMET bulletin exchange (scheme)                                                   |
| <b>R</b> |                                                                               | ROC      | Rate of climb                                                                               |
| R        | Red                                                                           | ROD      | Rate of descent                                                                             |
| R        | Right ( <i>Runway identification</i> )                                        | RON      | Receiving only                                                                              |
| R ...    | Restricted area ( <i>followed by identification</i> )                         | RPI      | Reference path identifier                                                                   |
| R ...*   | VOR Radial ( <i>followed by number of degrees</i> )                           | RPL      | Repetitive flight plan                                                                      |
| RA       | Rain                                                                          | RPLC     | Replace <i>or</i> replaced                                                                  |
| RAC      | Rules of the air and air traffic services                                     | RPS      | Radar position symbol                                                                       |
| RAD*     | Route Availability Document                                                   | RR       | Report reaching                                                                             |
| RAFC*    | Regional area forecast centre                                                 | RRA      | ( <i>or RRB, RRC, etc. in sequence</i> )                                                    |
| RB       | Rescue boat                                                                   |          | Delayed meteorological message ( <i>message type designator</i> )                           |
| RCC      | Rescue coordination centre                                                    | RSC      | Rescue sub-centre                                                                           |
| RCF      | Radiocommunication failure ( <i>message type designator</i> )                 | RSCD     | Runway surface condition                                                                    |
| RCH      | Reach <i>or</i> reaching                                                      | RSP      | Responder beacon                                                                            |
| RCL      | Runway centre line                                                            | RTD      | Delayed ( <i>used to indicate delayed meteorological message; message type designator</i> ) |
| RCLL     | Runway centre line light(s)                                                   | RTE      | Route                                                                                       |
| RCLR     | Recleared                                                                     | RTF      | Radiotelephone                                                                              |
| RCP      | Required communication performance                                            | RTG      | Radiotelegraph                                                                              |
| RDH      | Reference datum height                                                        | RTHL     | Runway threshold light(s)                                                                   |
| RDL      | Radial                                                                        | RTIL *   | Runway threshold identification light(s)                                                    |
| RDO      | Radio                                                                         | RTS      | Return to service                                                                           |
| RE ...   | Recent ( <i>used to qualify weather phenomena, e.g. RERA = recent rain</i> )  | RTT      | Radioteletypewriter                                                                         |
| REC      | Receive <i>or</i> receiver                                                    | RTZL     | Runway touchdown zone light(s)                                                              |
| REDL     | Runway edge light(s)                                                          | RUT      | Standard regional route transmitting frequencies                                            |
| REF      | Reference to... <i>or</i> refer to...                                         | RV       | Rescue vessel                                                                               |
| REG      | Registration                                                                  | RVR      | Runway visual range                                                                         |
| RENL     | Runway end light(s)                                                           | RVSM     | Reduced vertical separation minimum                                                         |
|          |                                                                               | RWY      | Runway                                                                                      |
|          |                                                                               | <b>S</b> |                                                                                             |
|          |                                                                               | S        | South <i>or</i> southern latitude                                                           |
|          |                                                                               | S1 - S5* | Ground service                                                                              |

|            |                                                                                                                                                                                                                                  |          |                                                                           |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------|
| SA CAT I*  | Special authorisation category I                                                                                                                                                                                                 | SQ       | Squall                                                                    |
| SA CAT II* | Special authorisation category II                                                                                                                                                                                                | SR       | Sunrise                                                                   |
| SALS       | Simple approach lighting system                                                                                                                                                                                                  | SRA      | Surveillance radar approach                                               |
| SAN        | Sanitary                                                                                                                                                                                                                         | SRE      | Surveillance radar element of precision approach radar system             |
| SAR        | Search and rescue                                                                                                                                                                                                                | SRG      | Short range                                                               |
| SARPS      | Standards and Recommended Practices (ICAO)                                                                                                                                                                                       | SRR      | Search and rescue region                                                  |
| SAT        | Saturday                                                                                                                                                                                                                         | SRY      | Secondary                                                                 |
| SB         | Southbound                                                                                                                                                                                                                       | SS       | Sunset                                                                    |
| SBAS†      | Satellite-based augmentation system (to be pronounced "ESS-BAS")                                                                                                                                                                 | SSB      | Single sideband                                                           |
| SC         | Stratocumulus                                                                                                                                                                                                                    | SSE      | South-south-east                                                          |
| SCT        | Scattered                                                                                                                                                                                                                        | SSR      | Secondary surveillance radar                                              |
| SE         | South-east                                                                                                                                                                                                                       | SST      | Supersonic transport                                                      |
| SEB        | South-eastbound                                                                                                                                                                                                                  | SSW      | South-south-west                                                          |
| SEC [s]    | Seconds                                                                                                                                                                                                                          | ST       | Stratus                                                                   |
| SECT       | Sector                                                                                                                                                                                                                           | STA      | Straight-in approach                                                      |
| SELCAL†    | Selective calling system                                                                                                                                                                                                         | STAR†    | Standard instrument arrival                                               |
| SEP        | September                                                                                                                                                                                                                        | STD      | Standard                                                                  |
| SER        | Service <i>or</i> servicing <i>or</i> served                                                                                                                                                                                     | STN      | Station                                                                   |
| SFC        | Surface                                                                                                                                                                                                                          | STOL     | Short take-off and landing                                                |
| SFR*       | Special flight route                                                                                                                                                                                                             | STS      | Status                                                                    |
| SG         | Snow grains                                                                                                                                                                                                                      | STWL     | Stopway light(s)                                                          |
| SGL        | Signal                                                                                                                                                                                                                           | SUBJ     | Subject to                                                                |
| SH ...     | Showers ( <i>followed by RA = rain, SN = snow, PL = ice pellets, GR = hail, GS = small hail and/or snow pellets or combinations thereof, e.g. SHRASN = showers of rain and snow</i> )                                            | SUN      | Sunday                                                                    |
| SHF        | Super high frequency (3'000 to 30'000 MHz)                                                                                                                                                                                       | SUP      | Supplement ( <i>AIP Supplement</i> )                                      |
| SID†       | Standard instrument departure                                                                                                                                                                                                    | SVC      | Service message                                                           |
| SIGMET†    | Information concerning en-route weather phenomena which may affect the safety of aircraft operations                                                                                                                             | SVCBL    | Serviceable                                                               |
| SIWL       | Single isolated wheel load                                                                                                                                                                                                       | SVFR*    | Special VFR                                                               |
| SKED       | Schedule <i>or</i> scheduled                                                                                                                                                                                                     | SVID*    | Standard visual/instrument departure                                      |
| SLP        | Speed limiting point                                                                                                                                                                                                             | SW       | South-west                                                                |
| SMR        | Surface movement radar                                                                                                                                                                                                           | SWB      | South-westbound                                                           |
| SN         | Snow                                                                                                                                                                                                                             | SWY      | Stopway                                                                   |
| SNOWTAM†   | A special series NOTAM notifying the presence <i>or</i> removal of hazardous conditions due to snow, ice, slush <i>or</i> standing water associated with snow, slush and ice on the movement area, by means of a specific format | <b>T</b> |                                                                           |
| SPEC†      | Aviation selected special weather report ( <i>in aeronautical meteorological code</i> )                                                                                                                                          | T        | Temperature                                                               |
| SPECIAL†   | Local special meteorological report ( <i>in abbreviated plain language</i> )                                                                                                                                                     | ...T     | True ( <i>preceded by a bearing to indicate reference to True North</i> ) |
| SPL        | Supplementary flight plan ( <i>message type designator</i> )                                                                                                                                                                     | TA       | Transition altitude                                                       |
| SPOC       | SAR point of contact                                                                                                                                                                                                             | TACAN†   | UHF tactical air navigation aid                                           |
| SPOT†      | Spot wind                                                                                                                                                                                                                        | TAF†     | Aerodrome forecast                                                        |
|            |                                                                                                                                                                                                                                  | TAIL†    | Tail wind                                                                 |
|            |                                                                                                                                                                                                                                  | TAS      | True airspeed                                                             |
|            |                                                                                                                                                                                                                                  | TAX      | Taxiing <i>or</i> taxi                                                    |
|            |                                                                                                                                                                                                                                  | TC       | Terminal control centre*                                                  |
|            |                                                                                                                                                                                                                                  | TCU      | Towering cumulus                                                          |
|            |                                                                                                                                                                                                                                  | TDZ      | Touchdown zone                                                            |
|            |                                                                                                                                                                                                                                  | TEL      | Telephone                                                                 |
|            |                                                                                                                                                                                                                                  | TEMPO†   | Temporary <i>or</i> temporarily                                           |
|            |                                                                                                                                                                                                                                  | TFC      | Traffic                                                                   |
|            |                                                                                                                                                                                                                                  | TGL*     | Temporary guidance leaflet                                                |
|            |                                                                                                                                                                                                                                  | TGS      | Taxiing guidance system                                                   |
|            |                                                                                                                                                                                                                                  | THR      | Threshold                                                                 |
|            |                                                                                                                                                                                                                                  | THRU     | Through                                                                   |
|            |                                                                                                                                                                                                                                  | THU      | Thursday                                                                  |
|            |                                                                                                                                                                                                                                  | TIL†     | Until                                                                     |
|            |                                                                                                                                                                                                                                  | TIP      | Until past... (place)                                                     |
|            |                                                                                                                                                                                                                                  | TKOF     | Take-off                                                                  |

|        |                                                                                                                                                                                                   |         |                                                                                                                                                                                                                                         |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TL ... | Till ( <i>followed by time by which weather change is forecast to end</i> )                                                                                                                       | UFAC*   | Federal Office of Civil Aviation (BAZL, FOCA, OFAC)                                                                                                                                                                                     |
| TLOF   | Touchdown and lift-off area                                                                                                                                                                       | UFN     | Until further notice                                                                                                                                                                                                                    |
| TMA    | Terminal control area                                                                                                                                                                             | UHDT    | Unable higher due to traffic                                                                                                                                                                                                            |
| TMM*   | Transmissometer (RVR)                                                                                                                                                                             | UHF     | Ultra high frequency (300 to 3'000 MHz)                                                                                                                                                                                                 |
| TMZ    | Transponder Mandatory Zone                                                                                                                                                                        |         |                                                                                                                                                                                                                                         |
| TNA    | Turn altitude                                                                                                                                                                                     | UIR     | Upper flight information region                                                                                                                                                                                                         |
| TNH    | Turn height                                                                                                                                                                                       | UNA     | Unable                                                                                                                                                                                                                                  |
| TOC    | Top of climb                                                                                                                                                                                      | UNAP    | Unable to approve                                                                                                                                                                                                                       |
| TODA   | Take-off distance available                                                                                                                                                                       | UNCAT*  | Uncategorised                                                                                                                                                                                                                           |
| TODAH  | Take-off distance available, helicopter                                                                                                                                                           | UNL     | Unlimited                                                                                                                                                                                                                               |
|        |                                                                                                                                                                                                   | UNREL   | Unreliable                                                                                                                                                                                                                              |
| TOP†   | Cloud top                                                                                                                                                                                         | U/S     | Unserviceable                                                                                                                                                                                                                           |
| TOBT*  | Target off block time                                                                                                                                                                             | UTA     | Upper control area                                                                                                                                                                                                                      |
| TORA   | Take-off run available                                                                                                                                                                            | UTC     | Coordinated universal time                                                                                                                                                                                                              |
| TOX    | Toxic                                                                                                                                                                                             |         |                                                                                                                                                                                                                                         |
| TP     | Turning point                                                                                                                                                                                     |         |                                                                                                                                                                                                                                         |
| TR     | Track                                                                                                                                                                                             |         |                                                                                                                                                                                                                                         |
| TRA*   | Temporary reserved area                                                                                                                                                                           | VAC     | Visual approach chart                                                                                                                                                                                                                   |
| TRANS  | Transmits or transmitter                                                                                                                                                                          | VAN     | Runway control van                                                                                                                                                                                                                      |
| TREND† | Trend forecast                                                                                                                                                                                    | VAR     | Magnetic variation                                                                                                                                                                                                                      |
| TRL    | Transition level                                                                                                                                                                                  | VASIS   | Visual approach slope indicator systems                                                                                                                                                                                                 |
| TS     | Thunderstorm ( <i>in aerodrome reports and forecasts, TS used alone means thunder heard but no precipitation at the aerodrome</i> )                                                               | VC      | Vicinity of the aerodrome ( <i>followed by FG = fog, FC = funnel cloud, PO = dust/sand whirls, BLDU = blowing dust, BLSA = blowing sand or BLSN = blowing snow, TS = thunderstorm or VA = volcanic ash, e.g. VC FG = vicinity fog</i> ) |
| TS ... | Thunderstorm ( <i>followed by RA = rain, SN = snow, PL = ice pellets, GR = hail, GS = small hail and/or snow pellets or combinations thereof, e.g. TSRASN = thunderstorm with rain and snow</i> ) | VCY     | Vicinity                                                                                                                                                                                                                                |
|        |                                                                                                                                                                                                   | VDF     | Very high frequency direction-finding station                                                                                                                                                                                           |
| TSA*   | Temporary Segregated Area (LST..)                                                                                                                                                                 | VER     | Vertical                                                                                                                                                                                                                                |
| TT     | Teletypewriter                                                                                                                                                                                    | VFG*    | VFR Flight Guide ( <i>in VFR Manual</i> )                                                                                                                                                                                               |
| TUE    | Tuesday                                                                                                                                                                                           | VFR     | Visual flight rules                                                                                                                                                                                                                     |
| TURB   | Turbulence                                                                                                                                                                                        | VHF     | Very high frequency (30 to 300 MHz)                                                                                                                                                                                                     |
| TVOR   | Terminal VOR                                                                                                                                                                                      |         |                                                                                                                                                                                                                                         |
| TWIL*  | Twilight                                                                                                                                                                                          | VIS     | Visibility                                                                                                                                                                                                                              |
| TWR    | Aerodrome control tower or aerodrome control                                                                                                                                                      | VLF     | Very low frequency (3 to 30 kHz)                                                                                                                                                                                                        |
|        |                                                                                                                                                                                                   | VMC     | Visual meteorological conditions                                                                                                                                                                                                        |
| TWY    | Taxiway                                                                                                                                                                                           | VNAV†   | Vertical navigation (to be pronounced "VEE-NAV")                                                                                                                                                                                        |
| TX*    | Telex                                                                                                                                                                                             |         |                                                                                                                                                                                                                                         |
| TYP    | Type of aircraft                                                                                                                                                                                  | VOLMET† | Meteorological information for aircraft in flight                                                                                                                                                                                       |
| TZL*   | (Simple) Touchdown zone light (Explanation see AIP LSZB, LSZA, LSZR: AD 2.14 - Footnote)                                                                                                          | VOR     | VHF omnidirectional radio range                                                                                                                                                                                                         |
|        |                                                                                                                                                                                                   | VORTAC† | VOR and TACAN combination                                                                                                                                                                                                               |
|        |                                                                                                                                                                                                   | VOT     | VOR airborne equipment test facility                                                                                                                                                                                                    |
|        |                                                                                                                                                                                                   | VPT     | Visual manoeuvre with prescribed track                                                                                                                                                                                                  |
|        |                                                                                                                                                                                                   | VRB     | Variable                                                                                                                                                                                                                                |
|        |                                                                                                                                                                                                   | VSP     | Vertical speed                                                                                                                                                                                                                          |
|        |                                                                                                                                                                                                   | VSS     | Visual segment surface                                                                                                                                                                                                                  |
|        |                                                                                                                                                                                                   | VTOL    | Vertical take-off and landing                                                                                                                                                                                                           |
|        |                                                                                                                                                                                                   |         |                                                                                                                                                                                                                                         |
|        | <b>U</b>                                                                                                                                                                                          |         | <b>W</b>                                                                                                                                                                                                                                |
| U      | Upward ( <i>tendency in RVR during previous 10 minutes</i> )                                                                                                                                      | W       | West or western longitude                                                                                                                                                                                                               |
| U2*    | U3 etc. MET charts                                                                                                                                                                                | W       | White                                                                                                                                                                                                                                   |
| UA     | Unmanned aircraft                                                                                                                                                                                 |         |                                                                                                                                                                                                                                         |
| UAC    | Upper area control centre                                                                                                                                                                         |         |                                                                                                                                                                                                                                         |
| UAR    | Upper air route                                                                                                                                                                                   |         |                                                                                                                                                                                                                                         |
| UAS    | Unmanned aircraft system                                                                                                                                                                          |         |                                                                                                                                                                                                                                         |
| UDF    | Ultra high frequency direction-finding station                                                                                                                                                    |         |                                                                                                                                                                                                                                         |

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|        |                                                                          |
|--------|--------------------------------------------------------------------------|
| WAC    | World Aeronautical Chart<br>ICAO 1:1 000 000 (followed<br>by name/title) |
| WAFC   | World area forecast centre                                               |
| WB     | Westbound                                                                |
| WBAR   | Wing bar lights                                                          |
| WDI    | Wind direction indicator                                                 |
| WDSPR  | Widespread                                                               |
| WED    | Wednesday                                                                |
| WEF    | With effect from <i>or</i> effective from                                |
| WGS-84 | World Geodetic System-1984                                               |
| WID    | Width                                                                    |
| WIE    | With immediate effect <i>or</i> effective<br>immediately                 |
| WILCO† | Will comply                                                              |
| WIP    | Work in progress                                                         |
| WKN    | Weaken <i>or</i> weakening                                               |
| WNW    | West-north-west                                                          |
| WO     | Without                                                                  |
| WPT    | Way-point                                                                |
| WRNG   | Warning                                                                  |
| WS     | Wind shear                                                               |
| WSW    | west-south-west                                                          |
| WT     | Weight                                                                   |
| WX     | Weather                                                                  |

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**X**

|      |                                           |
|------|-------------------------------------------|
| X    | Cross                                     |
| X*   | FRA horizontal exit point                 |
| XBAR | Crossbar (of approach lighting<br>system) |
| XNG  | Crossing                                  |

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**Y**

|     |                                          |
|-----|------------------------------------------|
| Y   | Yellow                                   |
| YCZ | Yellow caution zone (runway<br>lighting) |
| YR  | Your                                     |

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**Z**

|   |                                                                     |
|---|---------------------------------------------------------------------|
| Z | Coordinated universal time<br>( <i>in meteorological messages</i> ) |
|---|---------------------------------------------------------------------|