

**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

| <b>A</b> |                                                                     |          |                                                                         |
|----------|---------------------------------------------------------------------|----------|-------------------------------------------------------------------------|
| 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                                                              |
| A/A      | Air-to-air                                                          | ALA      | Aeronautical information services                                       |
| AAA      | or AAB, AAC etc. in sequence, Amended meteorological message        | ALERFA†  | Alighting area                                                          |
| AAL      | Above aerodrome level                                               | ALR      | Alert phase                                                             |
| AAU*     | Airspace Allocation Unit                                            | ALRS     | Alerting (message type designator)                                      |
| ABM      | Abeam                                                               | ALS      | Alerting service                                                        |
| ABN      | Aerodrome beacon                                                    | ALT      | Approach lighting system                                                |
| ABV      | Above                                                               | ALTN     | Altitude                                                                |
| AC       | Altocumulus                                                         | ALTN     | Alternate or alternating (light alternates in colour)                   |
| ACAS†    | Airborne collision avoidance system                                 | AMA      | Alternate (aerodrome)                                                   |
| ACC      | Area control centre or area control                                 | AMC*     | Area minimum altitude                                                   |
| ACCID    | Notification of an aircraft accident                                | AMD      | Airspace management cell                                                |
| ACFT     | Aircraft                                                            | AMDT     | Amend or amended                                                        |
| ACK      | Acknowledge                                                         | AMS      | Amendment (AIP amendment)                                               |
| ACL      | Altimeter check location                                            | ANS      | Aeronautical mobile service                                             |
| ACN      | Aircraft classification number                                      | AMSL     | Above mean sea level                                                    |
| ACT      | Active or activated or activity                                     | ANS      | Answer                                                                  |
| AD       | Aerodrome                                                           | AOC      | Aerodrome obstacle chart                                                |
| ADA      | Advisory area                                                       | AP       | Airport                                                                 |
| ADF      | Automatic direction finding equipment                               | APAPI†   | Abbreviated precision approach path indicator                           |
| ADIZ†    | Air defence identification zone                                     | APCH     | Approach                                                                |
| ADJ      | Adjacent                                                            | APP      | Approach control office or approach control or approach control service |
| ADR      | Advisory route                                                      | APP*     | Appendix                                                                |
| ADS-B*   | Automatic dependent surveillance-broadcast                          | APR      | April                                                                   |
| ADS-C*   | Automatic dependent surveillance - contract                         | APRX     | Approximate or approximately                                            |
| ADVS     | Advisory service                                                    | APSG     | After passing                                                           |
| ADZ      | Advise                                                              | APV      | Approve or approved or approval                                         |
| AES      | Aircraft earth station                                              | APV*     | Approach with vertical guidance                                         |
| AFIL     | Flight plan filed in the air                                        | ARNG     | Arrange                                                                 |
| AFIS     | Aerodrome flight information service                                | ARO      | Air traffic services reporting office                                   |
| AFS      | Aeronautical fixed service                                          | ARP      | Aerodrome reference point                                               |
| AFTN     | Aeronautical fixed telecommunication network                        | 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                                  |

|        |                            |
|--------|----------------------------|
| ATS    | Air traffic services       |
| ATZ    | Aerodrome traffic zone     |
| AUG    | August                     |
| AUTH   | Authorize or authorization |
| AUW    | All up weight              |
| AVBL   | Available                  |
| AVGAS† | Aviation gasoline          |
| AWY    | Airway                     |
| AZM    | Azimuth                    |

**B**

|             |                                                                           |
|-------------|---------------------------------------------------------------------------|
| B           | Blue                                                                      |
| BA          | Braking action                                                            |
| BASE†       | Cloud base                                                                |
| BARO-VNAV*† | Barometric vertical navigation<br>(to be pronounced<br>"BAA-RO-VEE-NAV")  |
| BAZL*       | Federal Office of Civil Aviation<br>(FOCA, OFAC, UFAC)                    |
| BCFG        | Fog patches                                                               |
| BCN         | Beacon ( <i>aeronautical ground light</i> )                               |
| BCST        | Broadcast                                                                 |
| BDRY        | Boundary                                                                  |
| BFR         | Before                                                                    |
| BKN         | Broken                                                                    |
| BL ...      | Blowing ( <i>follow by DU = dust, SA = sand or SN = snow</i> )            |
| BLDG        | Building                                                                  |
| BLO         | Below clouds                                                              |
| BLW         | Below...                                                                  |
| BOMB        | Bombing                                                                   |
| BR          | Mist                                                                      |
| BRG         | Bearing                                                                   |
| BRKG        | Braking                                                                   |
| B-RNAV*†    | Basic RNAV*†                                                              |
| BS          | Commercial broadcasting station                                           |
| BTN         | Between                                                                   |
| BUFR*       | Binary universal form for the<br>representation of meteorological<br>data |

**C**

|        |                                                                                                         |
|--------|---------------------------------------------------------------------------------------------------------|
| C [°C] | Degrees Celsius                                                                                         |
| C      | Centre ( <i>runway identification</i> )                                                                 |
| CAG*   | General Aviation Centre (GAC)                                                                           |
| CAT    | Clear air turbulence                                                                                    |
| CAT    | Category ( <i>in CAT I, II, III operations</i> )                                                        |
| CAVOK† | Visibility, cloud and present<br>weather better than prescribed<br>values or conditions<br>(KAV-OH-KAY) |
| CB     | (to be pronounced „CEE BEE")<br>Cumulonimbus                                                            |
| CBA*   | Cross border area                                                                                       |
| CC     | Cirrocumulus                                                                                            |
| CCA    | or CCB, CCC, etc. in sequence,<br>Corrected meteorological message                                      |

|          |                                                             |
|----------|-------------------------------------------------------------|
| CD       | Candela                                                     |
| CDR*     | Conditional route                                           |
| CF       | Change frequency to                                         |
| CGL      | Circling guidance light(s)                                  |
| CH       | Channel                                                     |
| CHEM*    | Chemical                                                    |
| CHG      | Modification ( <i>message type designator</i> )             |
| CI       | Cirrus                                                      |
| CIDIN†   | Common ICAO data interchange<br>network                     |
| CIV      | Civil                                                       |
| CK       | Check                                                       |
| CL       | Centre line                                                 |
| CLD      | Cloud                                                       |
| CLG      | Calling                                                     |
| CLR      | Clear or cleared to or clearance                            |
| CLSD     | Close or closed or closing                                  |
| CM [cm]  | Centimetre                                                  |
| CMB      | Climb to or climbing to                                     |
| CMPL     | Completion or completed or<br>complete                      |
| CNL      | Cancel or cancelled                                         |
| CNL      | Flight plan cancellation ( <i>message type designator</i> ) |
| CNS      | Communications, navigation and<br>surveillance              |
| COM      | Communications                                              |
| CONC     | Concrete                                                    |
| COND     | Condition                                                   |
| CONS     | Continuous                                                  |
| CONST    | Construction or constructed                                 |
| CONT     | Continue(s) or continued                                    |
| COORD    | Coordinates                                                 |
| COP      | Change-over point                                           |
| COR      | Correct or corrected or correction                          |
| COTSENA* | (= KOSIF)                                                   |
| COTSINA* | (= KOSIF)                                                   |
| COV      | Cover or covered or covering                                |
| CPDLC    | Controller-pilot data link<br>communications                |
| CPL      | Current flight plan ( <i>message type designator</i> )      |
| CRS*     | Course                                                      |
| CRZ      | Cruise                                                      |
| CS       | Call sign                                                   |
| CS       | Cirrostratus                                                |
| CTA      | Control area                                                |
| CTAM     | Climb to and maintain                                       |
| CTC      | Contact                                                     |
| CTL      | Control                                                     |
| CTN      | Caution                                                     |
| CTR      | Control zone                                                |
| CU       | Cumulus                                                     |
| CUST     | Customs                                                     |
| CWY      | Clearway                                                    |

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

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|          |                                   |          |                                                |
|----------|-----------------------------------|----------|------------------------------------------------|
| IMG      | Immigration                       | LONG [°] | Longitude                                      |
| INA      | Initial approach                  | LOSS     | Airspeed or headwind loss                      |
| INBD     | Inbound                           | LPV      | Localizer performance with vertical guidance   |
| INCERFA† | Uncertainty phase                 |          |                                                |
| INFO†    | Information                       | LT*      | Swiss time/local time                          |
| INOP     | Inoperative                       | LTD      | Limited                                        |
| INS      | Inertial navigation system        | LTT      | Landline teletypewriter                        |
| INT      | Intersection                      | LV       | Light and variable ( <i>relating to wind</i> ) |
| INTL     | International                     | LVE      | Leave or leaving                               |
| INTST    | Intensity                         | LVL      | Level                                          |
| IR       | Ice on runway                     | LVO*     | Low visibility operations                      |
| ISA      | International standard atmosphere | LVP      | Low visibility procedures                      |
| It*      | Italian                           |          |                                                |

|          |                            |           |                                                                                        |
|----------|----------------------------|-----------|----------------------------------------------------------------------------------------|
| <b>J</b> |                            | <b>M</b>  |                                                                                        |
| JAA*     | Joint Aviation Authorities | M [m]     | Metres ( <i>preceded by figures</i> )                                                  |
| JAN      | January                    | M         | Mach number ( <i>followed by figures</i> )                                             |
| JTST     | Jet stream                 | MA*       | Chart of air masses                                                                    |
| JUL      | July                       | MAA       | Maximum authorized altitude                                                            |
| JUN      | June                       | MAG       | Magnetic                                                                               |
|          |                            | MAINT     | Maintenance                                                                            |
|          |                            | MAP       | Aeronautical maps and charts                                                           |
|          |                            | MAPT      | Missed approach point                                                                  |
|          |                            | MAR       | March                                                                                  |
|          |                            | MAX       | Maximum                                                                                |
|          |                            | MAY       | May                                                                                    |
|          |                            | MCA       | Minimum crossing altitude                                                              |
|          |                            | MDA       | Minimum descent altitude                                                               |
|          |                            | MDH       | Minimum descent height                                                                 |
|          |                            | MEA       | Minimum en-route altitude                                                              |
|          |                            | MEHT      | Minimum eye height over threshold ( <i>for VAS/S</i> )                                 |
|          |                            | MET†      | Meteorological or meteorology                                                          |
|          |                            | METAR†    | Aerodrome routine meteorological report ( <i>in aeronautical meteorological code</i> ) |
|          |                            | MF        | Medium frequency (300 to 3'000 kHz)                                                    |
|          |                            | MHZ [MHz] | Megahertz                                                                              |
|          |                            | MID       | Mid-point ( <i>related to RVR</i> )                                                    |
|          |                            | MIL       | Military                                                                               |
|          |                            | MIN [min] | Minutes                                                                                |
|          |                            | MKR       | Marker radio beacon                                                                    |
|          |                            | MLAT*     | Multilateration                                                                        |
|          |                            | MLS       | Microwave landing system                                                               |
|          |                            | MM        | Middle marker                                                                          |
|          |                            | MNM       | Minimum                                                                                |
|          |                            | MNT       | Monitor or monitoring or monitored                                                     |
|          |                            | MOA       | Military operating area                                                                |
|          |                            | MOC       | Minimum obstacle clearance ( <i>required</i> )                                         |
|          |                            | MOCA      | Minimum obstacle clearance altitude                                                    |
|          |                            | MON       | Monday                                                                                 |
|          |                            | MPS [m/s] | Metres per second                                                                      |
|          |                            | MRA       | Minimum reception altitude                                                             |
|          |                            | MRP       | ATS/MET reporting point                                                                |
|          |                            | MS        | Minus                                                                                  |
|          |                            | MSA       | Minimum sector altitude                                                                |
|          |                            | MSG       | Message                                                                                |

|          |                                                                                                                                                                                                                                        |          |                                                                          |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------------------------------------------------------------|
| MSL      | Mean sea level                                                                                                                                                                                                                         | OCNL     | Occasional or occasionally                                               |
| MT       | Mountain                                                                                                                                                                                                                               | OCS      | Obstacle clearance surface                                               |
| MTOM*    | Maximum take-off mass                                                                                                                                                                                                                  | OCT      | October                                                                  |
| MWO      | Meteorological watch office                                                                                                                                                                                                            |          |                                                                          |
| <b>N</b> |                                                                                                                                                                                                                                        | OFAC*    | Federal Office of Civil Aviation (BAZL, FOCA, UFAC)                      |
| N        | North or northern latitude                                                                                                                                                                                                             | OHD      | Overhead                                                                 |
| N        | No distinct tendency ( <i>in RVR during previous 10 minutes</i> )                                                                                                                                                                      | OM       | Outer marker                                                             |
| NAT      | North Atlantic                                                                                                                                                                                                                         | ONAV*    | Air Navigation Obstacle Chart including Glider Flying Information (LFHK) |
| NAV      | Navigation                                                                                                                                                                                                                             | OPMET†   | Operational meteorological ( <i>information</i> )                        |
| NB       | Northbound                                                                                                                                                                                                                             | OPN      | Open or opening or opened                                                |
| NBFR     | Not before                                                                                                                                                                                                                             | OPR      | Operator or operate or operative or operating or operational             |
| NC       | No change                                                                                                                                                                                                                              | OPS†     | Operations                                                               |
| NDB      | Non-directional radio beacon                                                                                                                                                                                                           | O/R      | On request                                                               |
| NE       | North-east                                                                                                                                                                                                                             | OTS      | Organized track system                                                   |
| NEB      | North-eastbound                                                                                                                                                                                                                        | OUBD     | Outbound                                                                 |
| NEG      | No or negative or permission not granted or that is not correct                                                                                                                                                                        |          |                                                                          |
| NGT      | Night                                                                                                                                                                                                                                  |          |                                                                          |
| NIL†     | None or I have nothing to send to you                                                                                                                                                                                                  | <b>P</b> |                                                                          |
| NM [M]   | Nautical miles                                                                                                                                                                                                                         | P ...    | Prohibited area ( <i>followed by identification</i> )                    |
| NML      | Normal                                                                                                                                                                                                                                 | PALS     | Precision approach lighting system ( <i>specify CAT</i> )                |
| NN       | No name, unnamed                                                                                                                                                                                                                       | PANS     | Procedures for air navigation services                                   |
| NNE      | North-north-east                                                                                                                                                                                                                       | PAPI†    | Precision approach path indicator                                        |
| NNW      | North-north-west                                                                                                                                                                                                                       | PAR      | Precision approach radar                                                 |
| NOF      | International NOTAM office                                                                                                                                                                                                             | PARL     | Parallel                                                                 |
| NOSIG†   | No significant change ( <i>used in trend-type landing forecasts</i> )                                                                                                                                                                  | PAX      | Passengers                                                               |
| NOTAM†   | A notice containing information concerning the establishment, condition or change in any aeronautical facility, service, procedure or hazard, the timely knowledge of which is essential to personnel concerned with flight operations | PBN      | Performance-based navigation                                             |
| NOV      | November                                                                                                                                                                                                                               | PCD      | Proceed or proceeding                                                    |
| NR       | Number                                                                                                                                                                                                                                 | PCN      | Pavement classification number                                           |
| NRH      | No reply heard                                                                                                                                                                                                                         | PDG      | Procedure design gradient                                                |
| NS       | Nimbostratus                                                                                                                                                                                                                           | PER      | Performance                                                              |
| NSC      | Nil significant cloud                                                                                                                                                                                                                  | PERM     | Permanent                                                                |
| NSW      | Nil significant weather                                                                                                                                                                                                                | PJE      | Parachute jumping exercise                                               |
| NVFR*    | VFR by night                                                                                                                                                                                                                           | PLN      | Flight plan                                                              |
| NW       | North-west                                                                                                                                                                                                                             | PLVL     | Present level                                                            |
| NWB      | North-westbound                                                                                                                                                                                                                        | PN       | Prior notice required                                                    |
|          |                                                                                                                                                                                                                                        | POB      | Persons on board                                                         |
|          |                                                                                                                                                                                                                                        | POSS     | Possible                                                                 |
|          |                                                                                                                                                                                                                                        | PPI      | Plan position indicator                                                  |
|          |                                                                                                                                                                                                                                        | PPR      | Prior permission required                                                |
|          |                                                                                                                                                                                                                                        | PPSN     | Present position                                                         |
|          |                                                                                                                                                                                                                                        | PRI      | Primary                                                                  |
|          |                                                                                                                                                                                                                                        | PRKG     | Parking                                                                  |
|          |                                                                                                                                                                                                                                        | P-RNAV*† | Precision RNAV                                                           |
|          |                                                                                                                                                                                                                                        | PROB†    | Probability                                                              |
|          |                                                                                                                                                                                                                                        | PROC     | Procedure                                                                |
|          |                                                                                                                                                                                                                                        | PROV     | Provisional                                                              |
|          |                                                                                                                                                                                                                                        | PS       | Plus                                                                     |
|          |                                                                                                                                                                                                                                        | PSG      | Passing                                                                  |
|          |                                                                                                                                                                                                                                        | PSN      | Position                                                                 |
|          |                                                                                                                                                                                                                                        | PSP      | Pierced steel plank                                                      |
|          |                                                                                                                                                                                                                                        | PTN      | Procedure turn                                                           |
| <b>O</b> |                                                                                                                                                                                                                                        |          |                                                                          |
| OACI*    | ICAO                                                                                                                                                                                                                                   |          |                                                                          |
| OAS      | Obstacle assessment surface                                                                                                                                                                                                            |          |                                                                          |
| OBS      | Observe or observed or observation                                                                                                                                                                                                     |          |                                                                          |
| OBST     | Obstacle                                                                                                                                                                                                                               |          |                                                                          |
| OCA      | Obstacle clearance altitude                                                                                                                                                                                                            |          |                                                                          |
| OCC      | Occulting ( <i>light</i> )                                                                                                                                                                                                             |          |                                                                          |
| OCH      | Obstacle clearance height                                                                                                                                                                                                              |          |                                                                          |

|     |                       |          |                                                                                    |
|-----|-----------------------|----------|------------------------------------------------------------------------------------|
| PTS | Polar track structure | RIF      | Reclearance in flight                                                              |
| PWR | Power                 | RL       | Report leaving                                                                     |
|     |                       | RLA      | Relay to...                                                                        |
|     |                       | RLLS     | Runway lead-in lighting system                                                     |
|     |                       | RMK      | Remark                                                                             |
|     |                       | RMZ      | Radio Mandatory Zone                                                               |
|     |                       | RNAV†    | Area navigation (to be pronounced AR NAV)                                          |
|     |                       | RNG      | Radio range                                                                        |
|     |                       | RNP      | Required navigation performance                                                    |
|     |                       | ROBEX†   | Regional OPMET bulletin exchange (scheme)                                          |
|     |                       | ROC      | Rate of climb                                                                      |
|     |                       | ROD      | Rate of descent                                                                    |
|     |                       | RON      | Receiving only                                                                     |
|     |                       | RPL      | Repetitive flight plan                                                             |
|     |                       | RPLC     | Replace or replaced                                                                |
|     |                       | RPS      | Radar position symbol                                                              |
|     |                       | RR       | Report reaching                                                                    |
|     |                       | RRA      | (or RRB, RRC, etc. in sequence)                                                    |
|     |                       |          | Delayed meteorological message (message type designator)                           |
|     |                       | RSC      | Rescue sub-centre                                                                  |
|     |                       | RSCD     | Runway surface condition                                                           |
|     |                       | RSP      | Responder beacon                                                                   |
|     |                       | RTD      | Delayed (used to indicate delayed meteorological message; message type designator) |
|     |                       | RTE      | Route                                                                              |
|     |                       | RTF      | Radiotelephone                                                                     |
|     |                       | RTG      | Radiotelegraph                                                                     |
|     |                       | RTHL     | Runway threshold light(s)                                                          |
|     |                       | RTIL*    | Runway threshold identification light(s)                                           |
|     |                       | RTS      | Return to service                                                                  |
|     |                       | RTT      | Radioteletypewriter                                                                |
|     |                       | RTZL     | Runway touchdown zone light(s)                                                     |
|     |                       | RUT      | Standard regional route transmitting frequencies                                   |
|     |                       | RV       | Rescue vessel                                                                      |
|     |                       | RVR      | Runway visual range                                                                |
|     |                       | RVSM     | Reduced vertical separation minimum                                                |
|     |                       | RWY      | Runway                                                                             |
|     |                       | <b>S</b> |                                                                                    |
|     |                       | S        | South or southern latitude                                                         |
|     |                       | S1 - S5* | Ground service                                                                     |
|     |                       | SALS     | Simple approach lighting system                                                    |
|     |                       | SAN      | Sanitary                                                                           |
|     |                       | SAR      | Search and rescue                                                                  |
|     |                       | SARPS    | Standards and Recommended Practices (ICAO)                                         |
|     |                       | SAT      | Saturday                                                                           |
|     |                       | SB       | Southbound                                                                         |
|     |                       | SBAS†    | Satellite-based augmentation system (to be pronounced "ESS-BAS")                   |
|     |                       | SC       | Stratocumulus                                                                      |

|          |                                                                                                                                                                                                                                  |        |                                                                             |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------|
| SCT      | Scattered                                                                                                                                                                                                                        | SSW    | South-south-west                                                            |
| SE       | South-east                                                                                                                                                                                                                       | ST     | Stratus                                                                     |
| SEB      | South-eastbound                                                                                                                                                                                                                  | STA    | Straight-in approach                                                        |
| SEC [s]  | Seconds                                                                                                                                                                                                                          | STAR†  | Standard instrument arrival                                                 |
| SECT     | Sector                                                                                                                                                                                                                           | STD    | Standard                                                                    |
| SELCAL†  | Selective calling system                                                                                                                                                                                                         | STN    | Station                                                                     |
| SEP      | September                                                                                                                                                                                                                        | STOL   | Short take-off and landing                                                  |
| SER      | Service <i>or</i> servicing <i>or</i> served                                                                                                                                                                                     | STS    | Status                                                                      |
| SFC      | Surface                                                                                                                                                                                                                          | STWL   | Stopway light(s)                                                            |
| SFR*     | Special flight route                                                                                                                                                                                                             | SUBJ   | Subject to                                                                  |
| SG       | Snow grains                                                                                                                                                                                                                      | SUN    | Sunday                                                                      |
| SGL      | Signal                                                                                                                                                                                                                           | SUP    | Supplement ( <i>AIP Supplement</i> )                                        |
| 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> )                                            | SVC    | Service message                                                             |
|          |                                                                                                                                                                                                                                  | SVCBL  | Serviceable                                                                 |
|          |                                                                                                                                                                                                                                  | SVFR*  | Special VFR                                                                 |
|          |                                                                                                                                                                                                                                  | SVID*  | Standard visual/instrument departure                                        |
|          |                                                                                                                                                                                                                                  | SW     | South-west                                                                  |
| SHF      | Super high frequency (3'000 to 30'000 MHz)                                                                                                                                                                                       | SWB    | South-westbound                                                             |
|          |                                                                                                                                                                                                                                  | SWY    | Stopway                                                                     |
| SID†     | Standard instrument departure                                                                                                                                                                                                    |        |                                                                             |
| SIGMET†  | Information concerning en-route weather phenomena which may affect the safety of aircraft operations                                                                                                                             |        |                                                                             |
|          |                                                                                                                                                                                                                                  |        | <b>T</b>                                                                    |
| SIWL     | Single isolated wheel load                                                                                                                                                                                                       | T      | Temperature                                                                 |
| SKED     | Schedule <i>or</i> scheduled                                                                                                                                                                                                     | ...T   | True ( <i>preceded by a bearing to indicate reference to True North</i> )   |
| SLP      | Speed limiting point                                                                                                                                                                                                             | TA     | Transition altitude                                                         |
| SMR      | Surface movement radar                                                                                                                                                                                                           | TACAN† | UHF tactical air navigation aid                                             |
| SN       | Snow                                                                                                                                                                                                                             | TAF†   | Aerodrome forecast                                                          |
| 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 | 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                                                                     |
| SPEC†    | Aviation selected special weather report ( <i>in aeronautical meteorological code</i> )                                                                                                                                          | TGL*   | Temporary guidance leaflet                                                  |
|          |                                                                                                                                                                                                                                  | TGS    | Taxiing guidance system                                                     |
|          |                                                                                                                                                                                                                                  | THR    | Threshold                                                                   |
| SPECIAL† | Local special meteorological report ( <i>in abbreviated plain language</i> )                                                                                                                                                     | THRU   | Through                                                                     |
|          |                                                                                                                                                                                                                                  | THU    | Thursday                                                                    |
| SPL      | Supplementary flight plan ( <i>message type designator</i> )                                                                                                                                                                     | TIL†   | Until                                                                       |
|          |                                                                                                                                                                                                                                  | TIP    | Until past... (place)                                                       |
| SPOC     | SAR point of contact                                                                                                                                                                                                             | TKOF   | Take-off                                                                    |
| SPOT†    | Spot wind                                                                                                                                                                                                                        | TL ... | Till ( <i>followed by time by which weather change is forecast to end</i> ) |
| SQ       | Squall                                                                                                                                                                                                                           |        |                                                                             |
| SR       | Sunrise                                                                                                                                                                                                                          | TLOF   | Touchdown and lift-off area                                                 |
| SRA      | Surveillance radar approach                                                                                                                                                                                                      | TMA    | Terminal control area                                                       |
| SRE      | Surveillance radar element of precision approach radar system                                                                                                                                                                    | TMM*   | Transmissometer (RVR)                                                       |
|          |                                                                                                                                                                                                                                  | TMZ    | Transponder Mandatory Zone                                                  |
| SRG      | Short range                                                                                                                                                                                                                      | TNA    | Turn altitude                                                               |
| SRR      | Search and rescue region                                                                                                                                                                                                         | TNH    | Turn height                                                                 |
| SRY      | Secondary                                                                                                                                                                                                                        | TOC    | Top of climb                                                                |
| SS       | Sunset                                                                                                                                                                                                                           | TODA   | Take-off distance available                                                 |
| SSB      | Single sideband                                                                                                                                                                                                                  | TODAH  | Take-off distance available, helicopter                                     |
| SSE      | South-south-east                                                                                                                                                                                                                 |        |                                                                             |
| SSR      | Secondary surveillance radar                                                                                                                                                                                                     | TOP†   | Cloud top                                                                   |
| SST      | Supersonic transport                                                                                                                                                                                                             |        |                                                                             |

|        |                                                                                                                                                                                                   |         |                                                                                                                                                                                                                                         |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                                                                                           |         | <b>V</b>                                                                                                                                                                                                                                |
| TRANS  | Transmits or transmitter                                                                                                                                                                          | VAC     | Visual approach chart                                                                                                                                                                                                                   |
| TREND† | Trend forecast                                                                                                                                                                                    | VAN     | Runway control van                                                                                                                                                                                                                      |
| TRL    | Transition level                                                                                                                                                                                  | VAR     | Magnetic variation                                                                                                                                                                                                                      |
| TS     | Thunderstorm ( <i>in aerodrome reports and forecasts, TS used alone means thunder heard but no precipitation at the aerodrome</i> )                                                               | VASIS   | Visual approach slope indicator systems                                                                                                                                                                                                 |
| 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> ) | 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> ) |
| TSA*   | Temporary Segregated Area (LST..)                                                                                                                                                                 | VCY     | Vicinity                                                                                                                                                                                                                                |
| TT     | Teletypewriter                                                                                                                                                                                    | VDF     | Very high frequency direction-finding station                                                                                                                                                                                           |
| TUE    | Tuesday                                                                                                                                                                                           | VER     | Vertical                                                                                                                                                                                                                                |
| TURB   | Turbulence                                                                                                                                                                                        | VFG*    | VFR Flight Guide ( <i>in VFR Manual</i> )                                                                                                                                                                                               |
| TVOR   | Terminal VOR                                                                                                                                                                                      | VFR     | Visual flight rules                                                                                                                                                                                                                     |
| TWIL*  | Twilight                                                                                                                                                                                          | VHF     | Very high frequency (30 to 300 MHz)                                                                                                                                                                                                     |
| TWR    | Aerodrome control tower or aerodrome control                                                                                                                                                      | VIS     | Visibility                                                                                                                                                                                                                              |
| TWY    | Taxiway                                                                                                                                                                                           | VLF     | Very low frequency (3 to 30 kHz)                                                                                                                                                                                                        |
| TX*    | Telex                                                                                                                                                                                             | VMC     | Visual meteorological conditions                                                                                                                                                                                                        |
| TYP    | Type of aircraft                                                                                                                                                                                  | VNAV†   | Vertical navigation (to be pronounced "VEE-NAV")                                                                                                                                                                                        |
| TZL*   | (Simple) Touchdown zone light (Explanation see AIP LSZB, LSZA, LSZR: AD 2.14 - Footnote)                                                                                                          | VOLMET† | Meteorological information for aircraft in flight                                                                                                                                                                                       |
|        | <b>U</b>                                                                                                                                                                                          | VOR     | VHF omnidirectional radio range                                                                                                                                                                                                         |
| U      | Upward ( <i>tendency in RVR during previous 10 minutes</i> )                                                                                                                                      | VORTAC† | VOR and TACAN combination                                                                                                                                                                                                               |
| U2*    | U3 etc. MET charts                                                                                                                                                                                | VOT     | VOR airborne equipment test facility                                                                                                                                                                                                    |
| UA     | Unmanned aircraft                                                                                                                                                                                 | VPT     | Visual manoeuvre with prescribed track                                                                                                                                                                                                  |
| UAC    | Upper area control centre                                                                                                                                                                         | VRB     | Variable                                                                                                                                                                                                                                |
| UAR    | Upper air route                                                                                                                                                                                   | VSP     | Vertical speed                                                                                                                                                                                                                          |
| UAS    | Unmanned aircraft system                                                                                                                                                                          | VTOL    | Vertical take-off and landing                                                                                                                                                                                                           |
| UDF    | Ultra high frequency direction-finding station                                                                                                                                                    |         | <b>W</b>                                                                                                                                                                                                                                |
| UFAC*  | Federal Office of Civil Aviation (BAZL, FOCA, OFAC)                                                                                                                                               | W       | West or western longitude                                                                                                                                                                                                               |
| UFN    | Until further notice                                                                                                                                                                              | W       | White                                                                                                                                                                                                                                   |
| UHDT   | Unable higher due to traffic                                                                                                                                                                      | WAC     | World Aeronautical Chart ICAO 1:1 000 000 (followed by name/title)                                                                                                                                                                      |
| UHF    | Ultra high frequency (300 to 3'000 MHz)                                                                                                                                                           | WAFC    | World area forecast centre                                                                                                                                                                                                              |
| UIR    | Upper flight information region                                                                                                                                                                   | WB      | Westbound                                                                                                                                                                                                                               |
| UNA    | Unable                                                                                                                                                                                            | WBAR    | Wing bar lights                                                                                                                                                                                                                         |
| UNAP   | Unable to approve                                                                                                                                                                                 | WDI     | Wind direction indicator                                                                                                                                                                                                                |
| UNCAT* | Uncategorised                                                                                                                                                                                     | WDSPR   | Widespread                                                                                                                                                                                                                              |
| UNL    | Unlimited                                                                                                                                                                                         | WED     | Wednesday                                                                                                                                                                                                                               |
| UNREL  | Unreliable                                                                                                                                                                                        | WEF     | With effect from or effective from                                                                                                                                                                                                      |
| U/S    | Unserviceable                                                                                                                                                                                     | WGS-84  | World Geodetic System-1984                                                                                                                                                                                                              |
|        |                                                                                                                                                                                                   | WID     | Width                                                                                                                                                                                                                                   |
|        |                                                                                                                                                                                                   | WIE     | With immediate effect or effective                                                                                                                                                                                                      |

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|        |                            |
|--------|----------------------------|
|        | 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 system) |
| XNG  | Crossing                               |

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**Y**

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

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**Z**

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