

## GEN 2.2 Abbreviations used in aeronautical information products

### Notes:

Abbreviations marked by an asterisk (\*) are either different from or not contained in ICAO Doc 8400.

### A

|        |                                                                                                                |          |                                                                                        |
|--------|----------------------------------------------------------------------------------------------------------------|----------|----------------------------------------------------------------------------------------|
| A      | Amber                                                                                                          | AMS      | Aeronautical mobile service                                                            |
| AAA    | (or AAB, AAC...etc., in sequence) Amended meteorological message (message type designator)                     | AMSL     | Above mean sea level                                                                   |
| A/A    | Air-to-air                                                                                                     | AMSS     | Aerodrome mobile satellite service                                                     |
| AAD    | Assigned altitude deviation                                                                                    | ANC...   | Aeronautical chart - 1:500 000 (followed by name/title)                                |
| AAIM   | Aircraft autonomous integrity monitoring                                                                       | ANCS...  | Aeronautical navigation chart - small scale (followed by name/title and scale)         |
| AAL    | Above aerodrome level                                                                                          | ANS      | Answer                                                                                 |
| ABI    | Advance boundary information                                                                                   | AOC...   | Aerodrome obstacle chart (followed by type and name/title)                             |
| ABM    | Abeam                                                                                                          | AP       | Airport                                                                                |
| ABN    | Aerodrome beacon                                                                                               | APAPI    | (to be pronounced "AY-PAPI") Abbreviated precision approach path indicator             |
| ABT    | About                                                                                                          | APCH     | Approach                                                                               |
| ABV    | Above                                                                                                          | APDC...  | Aircraft parking/docking chart (followed by name/title)                                |
| AC     | Alto cumulus                                                                                                   | APN      | Apron                                                                                  |
| ACARS  | (to be pronounced "AY-CARS") Aircraft communication addressing and reporting system                            | APP      | Approach control office or approach control or approach control service                |
| ACAS   | Airborne Collision Avoidance System                                                                            | APR      | April                                                                                  |
| ACC    | Area Control Centre or Area Control                                                                            | APRX     | Approximate or approximately                                                           |
| ACCID  | Notification of an aircraft accident                                                                           | APSG     | After passing                                                                          |
| ACFT   | Aircraft                                                                                                       | APV      | Approve or approved or approval                                                        |
| ACK    | Acknowledge                                                                                                    | ARC      | Area chart                                                                             |
| ACL    | Altimeter Check Location                                                                                       | ARCC*    | Aviation rescue co-ordination centre                                                   |
| ACN    | Aircraft classification number                                                                                 | ARFOR*   | Area forecast (in aeronautical Meteorological code)                                    |
| ACP    | Acceptance (message type designator)                                                                           | ARNG     | Arrange                                                                                |
| ACPT   | Accept or accepted                                                                                             | ARO      | Air traffic services reporting office                                                  |
| ACT    | Active or activated or activity                                                                                | ARP      | Aerodrome Reference Point                                                              |
| AD     | Aerodrome                                                                                                      | ARP      | Air-report (message type designator)                                                   |
| ADA    | Advisory Area                                                                                                  | ARQ      | Automatic error correction                                                             |
| ADC    | Aerodrome chart                                                                                                | ARR      | Arrive or arrival                                                                      |
| ADDN   | Addition or additional                                                                                         | ARR      | Arrival (message type designator)                                                      |
| ADF    | Automatic Direction Finding Equipment                                                                          | ARS      | Special air-report (message type designator)                                           |
| ADIZ   | (to be pronounced "AY-DIZ") Air Defence Identification Zone                                                    | ARST     | Arresting (specify (part of) aircraft arresting equipment)                             |
| ADJ    | Adjacent                                                                                                       | AS       | Altostratus                                                                            |
| ADO    | Aerodrome office (specify service)                                                                             | ASC      | Ascent to or ascending to                                                              |
| ADR    | Advisory route                                                                                                 | ASDA     | Accelerate stop distance available                                                     |
| ADS    | Automatic dependent surveillance                                                                               | ASE      | Altimetry system error                                                                 |
| ADSU   | Automatic dependent surveillance unit                                                                          | ASPEEDG  | Airspeed gain                                                                          |
| ADVS   | Advisory service                                                                                               | ASPEEDL  | Airspeed loss                                                                          |
| ADZ    | Advise                                                                                                         | ASPH     | Asphalt                                                                                |
| AES    | Aircraft earth station                                                                                         | AT...    | At (followed by time at which weather change is forecast to occur)                     |
| AFIL   | Flight Plan Filed in the Air                                                                                   | ATA      | Actual Time of Arrival                                                                 |
| AFIS   | Aerodrome Flight Information Service                                                                           | ATC      | Air Traffic Control (in general)                                                       |
| AFM    | Yes or affirm or affirmative or that is correct                                                                | ATD      | Actual Time of Departure                                                               |
| AFS    | Aeronautical fixed service                                                                                     | ATFM     | Air Traffic Flow Management                                                            |
| AFT... | After...(time or place)                                                                                        | ATIS     | Automatic Terminal Information Service                                                 |
| AFTN   | Aeronautical Fixed Telecommunication Network                                                                   | ATM      | Air traffic management                                                                 |
| A/G    | Air-to-ground                                                                                                  | ATN      | Aeronautical telecommunication network                                                 |
| AGA    | Aerodrome, air routes and ground aids                                                                          | ATP      | At...(time or place)                                                                   |
| AGL    | Above ground level                                                                                             | ATS      | Air Traffic Services                                                                   |
| AGN    | Again                                                                                                          | ATTN     | Attention                                                                              |
| AIC    | Aeronautical information circular                                                                              | AT-VASIS | (to be pronounced "AY-TEE-VASIS") Abbreviated T visual approach slope indicator system |
| AIDC   | Air traffic services inter-facility data communication                                                         | ATZ      | Aerodrome Traffic Zone                                                                 |
| AIM*   | ATFM Information Message                                                                                       | AUG      | August                                                                                 |
| AIP    | Aeronautical Information Publication                                                                           | AUTH     | Authorized or authorization                                                            |
| AIRAC  | Aeronautical Information Regulation and Control                                                                | AUW      | All up weight                                                                          |
| AIREP  | Air-Report                                                                                                     | AUX      | Auxiliary                                                                              |
| AIRMET | Information concerning en-route weather phenomena which may affect the safety of low-level aircraft operations | AVBL     | Available or availability                                                              |
| AIS    | Aeronautical Information Services                                                                              | AVG      | Average                                                                                |
| ALA    | Alighting area                                                                                                 | AVGAS    | Aviation Gasoline                                                                      |
| ALERFA | Alert Phase                                                                                                    | AWTA     | Advise at what time able                                                               |
| ALR    | Alerting (message type designator)                                                                             | AWY      | Airway                                                                                 |
| ALRS   | Alerting Service                                                                                               | AZM      | Azimuth                                                                                |
| ALS    | Approach lighting system                                                                                       |          |                                                                                        |
| ALT    | Altitude                                                                                                       |          |                                                                                        |
| ALTN   | Alternate or alternating (light alternates in colour)                                                          |          |                                                                                        |
| ALTN   | Alternate (aerodrome)                                                                                          |          |                                                                                        |
| AMA    | Area minimum altitude                                                                                          |          |                                                                                        |
| AMD    | Amend or amended (used to indicate amended meteorological message; message type designator)                    |          |                                                                                        |
| AMDT   | Amendment (AIP amendment)                                                                                      |          |                                                                                        |

### B

|       |                                                      |
|-------|------------------------------------------------------|
| B     | Blue                                                 |
| BA    | Braking action                                       |
| BASE  | Cloud Base                                           |
| BCFG  | Fog patches                                          |
| BCN   | Beacon (aeronautical ground light)                   |
| BCST  | Broadcast                                            |
| BDRY  | Boundary                                             |
| BECMG | Becoming                                             |
| BFR   | Before                                               |
| BKN   | Broken                                               |
| BL... | Blowing (followed by DU= dust, SA= sand or SN= snow) |
| BLDG  | Building                                             |

|           |                                                                                                                   |          |                                                                                |
|-----------|-------------------------------------------------------------------------------------------------------------------|----------|--------------------------------------------------------------------------------|
| BLO       | Below clouds                                                                                                      | CTR      | Control Zone                                                                   |
| BLW...    | Below ...                                                                                                         | CU       | Cumulus                                                                        |
| BOMB      | Bombing                                                                                                           | CUF      | Cumuliform                                                                     |
| BR        | Mist                                                                                                              | CUST     | Customs                                                                        |
| BRF       | Short (used to indicate the type of approach desired or required)                                                 | CVR      | Cockpit voice recorder                                                         |
| BRG       | Bearing                                                                                                           | CW       | Continuous wave                                                                |
| BRKG      | Braking                                                                                                           | CWY      | Clearway                                                                       |
| BS        | Commercial broadcasting station                                                                                   | <b>D</b> |                                                                                |
| BTL       | Between layers                                                                                                    | D...     | Danger area (followed by identification)                                       |
| BTN       | Between                                                                                                           | D        | Downward (tendency in RVR during previous 10 minutes)                          |
| <b>C</b>  |                                                                                                                   | DA       | Decision altitude                                                              |
| C         | Centre (preceded by runway designation number to identify a parallel runway)                                      | D-ATIS   | (to be pronounced "DEE-ATIS") Data link automatic terminal information service |
| C         | Degrees celsius (Centigrade)                                                                                      | DCD      | Double channel duplex                                                          |
| CA        | Course to an altitude                                                                                             | DCKG     | Docking                                                                        |
| CAT       | Category                                                                                                          | DCP      | Datum crossing point                                                           |
| CAA*      | Civil Aviation Agency                                                                                             | DCPC     | Direct controller-pilot communications                                         |
| CAT       | Clear air turbulence                                                                                              | DCS      | Double channel simplex                                                         |
| CAVOK     | (to be pronounced "KAV-OH-KAY") visibility, cloud and present weather better than prescribed values or conditions | DCT      | Direct (in relation to flight plan clearances and type of approach)            |
| CB        | (to be pronounced "CEE BEE") Cumulonimbus                                                                         | DEC      | December                                                                       |
| CC        | Cirrocumulus                                                                                                      | DECCA*   | Navigation system                                                              |
| CCA       | (or CCB, CCC....etc.. in sequence) corrected meteorological message (message type designator)                     | DEG      | Degrees                                                                        |
| CD        | Candela                                                                                                           | DEP      | Depart or departure                                                            |
| CDN       | Co-ordination (message type designator)                                                                           | DEP      | Departure (message type designator)                                            |
| CF        | Change frequency to ...                                                                                           | DER      | Departure end of the runway                                                    |
| CF        | Course to a fix                                                                                                   | DES      | Descend to or descending to                                                    |
| CGL       | Circling guidance light(s)                                                                                        | DEST     | Destination                                                                    |
| CH        | Channel                                                                                                           | DETRESFA | Distress Phase                                                                 |
| CHG       | Modification (message type designator)                                                                            | DEV      | Deviation or deviating                                                         |
| CI        | Cirrus                                                                                                            | DF*      | Direct to a fix                                                                |
| CIDIN     | Common ICAO data interchange network                                                                              | DFDR     | Digital flight data recorder                                                   |
| CIT       | Near or over large towns                                                                                          | DFTI     | Distances from touch down indicator                                            |
| CIV       | Civil                                                                                                             | DH       | Decision height                                                                |
| CK        | Check                                                                                                             | DIF      | Diffuse                                                                        |
| CL        | Centre line                                                                                                       | DIST     | Distance                                                                       |
| CLA       | Clear type of ice formation                                                                                       | DIV      | Divert or diverting                                                            |
| CLBR      | Calibration                                                                                                       | DLA      | Delay (message type designator)                                                |
| CLD       | Cloud                                                                                                             | DLA      | Delay or delayed                                                               |
| CLG       | Calling                                                                                                           | DLIC     | Data link initiation capability                                                |
| CLIMB-OUT | Climb-out area                                                                                                    | DLY      | Daily                                                                          |
| CLR       | Clear(s) or cleared to ... or clearance                                                                           | DME      | Distance Measuring Equipment                                                   |
| CLRD      | Runway(s) cleared (used in METAR/SPECI)                                                                           | DNG      | Danger or dangerous                                                            |
| CLSD      | Close or closed or complete                                                                                       | DOM      | Domestic                                                                       |
| CM        | Centimetre                                                                                                        | DP       | Dew point temperature                                                          |
| CMB       | Climb to or climbing to                                                                                           | DPT      | Depth                                                                          |
| CMPL      | Completion or completed or complete                                                                               | DR       | Dead reckoning                                                                 |
| CNL       | Cancel or cancelled                                                                                               | DR...    | Low drifting (followed by DU= dust, SA= sand or SN = snow)                     |
| CNL       | Flight plan cancellation message (message type designator)                                                        | DRG      | During                                                                         |
| CNS       | Communication, navigation and surveillance                                                                        | DS       | Duststorm                                                                      |
| COM       | Communications                                                                                                    | DSB      | Double sideband                                                                |
| CONC      | Concrete                                                                                                          | DTAM     | Descend to and maintain                                                        |
| COND      | Condition                                                                                                         | DTG      | Date-time group                                                                |
| CONS      | Continuous                                                                                                        | DTHR     | Displaced runway threshold                                                     |
| CONST     | Construction or constructed                                                                                       | DTRT     | Deteriorate or deteriorating                                                   |
| CONT      | Continue or continued                                                                                             | DTW      | Dual tandem wheels                                                             |
| COORD     | Coordinate or coordination                                                                                        | DU       | Dust                                                                           |
| COORD     | Coordinates                                                                                                       | DUC      | Dense upper cloud                                                              |
| COP       | Change Over Point                                                                                                 | DUR      | Duration                                                                       |
| COR       | Correct or correction or corrected (used to indicate corrected meteorological message; message type designator)   | D-VOLMET | Data link VOLMET                                                               |
| COT       | At the coast                                                                                                      | DVOR     | Doppler VOR                                                                    |
| COV       | Cover or covered or covering                                                                                      | DW       | Dual wheels                                                                    |
| CPDLC     | Controller-pilot data link communications                                                                         | DZ       | Drizzle                                                                        |
| CPL       | Current flight plan (message type designator)                                                                     | <b>E</b> |                                                                                |
| CRC       | Cyclic redundancy check                                                                                           | E        | East or eastern longitude                                                      |
| CRP       | Compulsory reporting point                                                                                        | EAT      | Expected approach time                                                         |
| CRZ       | Cruise                                                                                                            | EB       | Eastbound                                                                      |
| CS        | Call sign                                                                                                         | EDA      | Elevation differential area                                                    |
| CS        | Cirrostratus                                                                                                      | EET      | Estimated elapsed time                                                         |
| CTA       | Control Area                                                                                                      | EFC      | Expect further clearance                                                       |
| CTAM      | Climb to and maintain                                                                                             | EGNOS    | (to be pronounced "EGG-NOS") European geostationary navigation overlay service |
| CTC       | Contact                                                                                                           | EHF      | Extremely high frequency (30 000 to 300 000 MHz)                               |
| CTL       | Control                                                                                                           | ELBA     | Emergency location beacon - aircraft                                           |
| CTN       | Caution                                                                                                           | ELEV     | Elevation                                                                      |
|           |                                                                                                                   | ELR      | Extra long range                                                               |
|           |                                                                                                                   | ELT      | Emergency location transmitter                                                 |
|           |                                                                                                                   | EM       | Emission                                                                       |

|          |                                                                                                                       |          |                                                                                                   |
|----------|-----------------------------------------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------------------|
| EMBD     | Embedded in a layer (to indicate cumulonimbus embedded in layers of other clouds)                                     | FZRA     | Freezing Rain                                                                                     |
| EMERG    | Emergency                                                                                                             | <b>G</b> |                                                                                                   |
| EN*      | English                                                                                                               | G        | Green                                                                                             |
| END      | Stop-end (related to RVR)                                                                                             | G...     | Variations from the mean wind speed (gusts) (followed by figures in METAR/SPECI and TAF)          |
| ENE      | East north east                                                                                                       | GA       | Go ahead, resume sending (to be used in AFS as a procedure signal)                                |
| ENG      | Engine                                                                                                                | G/A      | Ground-to-air                                                                                     |
| ENR      | En-route                                                                                                              | G/A/G    | Ground-to-air and air-to-ground                                                                   |
| ENRC...  | Enroute chart (followed by name/time)                                                                                 | GAGAN    | GPS and geostationary earth orbit augmented navigation                                            |
| EOBT     | Estimated Off-Block Time                                                                                              | GAMET    | Area forecast for low-level flights                                                               |
| EQPT     | Equipment                                                                                                             | GARP     | GBAS azimuth reference point                                                                      |
| ESE      | East south east                                                                                                       | GAT*     | General Air Traffic                                                                               |
| EST      | Estimate or Estimated or Estimate (as message type designator)                                                        | GBAS     | (to be pronounced "GEE-BAS") Ground-based augmentation system                                     |
| ETA      | Estimated Time of Arrival or Estimating Arrival                                                                       | GCA      | Ground controlled approach system or ground controlled approach                                   |
| ETD      | Estimated Time of Departure or Estimating Departure                                                                   | GEN      | General                                                                                           |
| ETO      | Estimated time over significant point                                                                                 | GEO      | Geographic or true                                                                                |
| EV       | Every                                                                                                                 | GES      | Ground earth station                                                                              |
| EXC      | Except                                                                                                                | GLD      | Glider                                                                                            |
| EXER     | Exercises or exercising or to exercise                                                                                | GLONASS  | (to be pronounced "GLO-NAS") Global orbiting navigation satellite system                          |
| EXP      | Expect or expected or expecting                                                                                       | GMC...   | Ground movement chart (followed by name/title)                                                    |
| EXTD     | Extend or extending                                                                                                   | GND      | Ground                                                                                            |
| <b>F</b> |                                                                                                                       | GNDCK    | Ground check                                                                                      |
| F        | Fixed                                                                                                                 | GNSS     | Global navigation satellite system                                                                |
| FAC      | Facilities                                                                                                            | GP       | Glide path                                                                                        |
| FAF      | Final approach fix                                                                                                    | GPS      | Global Positioning System                                                                         |
| FAL      | Facilitation of international air transport                                                                           | GR       | Hail                                                                                              |
| FAP      | Final approach point                                                                                                  | GRAS     | (to be pronounced "GRASS") Ground-based regional augmentation system                              |
| FATO     | Final approach and take-off area                                                                                      | GRASS    | Grass landing area                                                                                |
| FAX      | Facsimile transmission                                                                                                | GRIB     | Processed meteorological data in the form of grid point values (aeronautical meteorological code) |
| FBL      | Light (used to indicate the intensity of weather phenomena, interference or static reports, e.g. FBL RA = light rain) | GRVL     | Gravel                                                                                            |
| FC       | Funnel Cloud (tornado or water spout)                                                                                 | GS       | Ground speed                                                                                      |
| FCST     | Forecast                                                                                                              | GS       | Small Hail and/or Snow Pellets                                                                    |
| FCT      | Friction coefficient                                                                                                  | GUND     | Geoid undulation                                                                                  |
| FDPS     | Flight data processing system                                                                                         | <b>H</b> |                                                                                                   |
| FEB      | February                                                                                                              | H        | High pressure area or the centre of high pressure                                                 |
| FEW      | Few                                                                                                                   | H24      | Continuous Day and Night Service                                                                  |
| FG       | Fog                                                                                                                   | HAPI     | Helicopter approach path indicator                                                                |
| FIC      | Flight information centre                                                                                             | HBN      | Hazard beacon                                                                                     |
| FIR      | Flight Information Region                                                                                             | HDF      | High frequency direction-finding station                                                          |
| FIS      | Flight Information Service                                                                                            | HDG      | Heading                                                                                           |
| FISA     | Automated flight information service                                                                                  | HEL      | Helicopter                                                                                        |
| FIZ*     | Flight information zone                                                                                               | HF       | High Frequency (3 000 to 30 000 kHz)                                                              |
| FL       | Flight Level                                                                                                          | HGT      | Height or height above                                                                            |
| FLD      | Field                                                                                                                 | HIALS*   | High-intensity approach lighting system                                                           |
| FLG      | Flashing                                                                                                              | HJ       | Sunrise to sunset                                                                                 |
| FLR      | Flares                                                                                                                | HLDG     | Holding                                                                                           |
| FLT      | Flight                                                                                                                | HN       | Sunset to sunrise                                                                                 |
| FLTCK    | Flight check                                                                                                          | HO       | Service available to meet operational requirements                                                |
| FLUC     | Fluctuating or fluctuation or fluctuated                                                                              | HOL      | Holiday                                                                                           |
| FLW      | Follow(s) or following                                                                                                | HOSP     | Hospital aircraft                                                                                 |
| FLY      | Fly or flying                                                                                                         | HPA      | Hectopascal                                                                                       |
| FM       | From                                                                                                                  | HR       | Hours                                                                                             |
| FM...    | From (followed by time weather change is forecast to begin)                                                           | HS       | Service Available During Hours of Scheduled Operations                                            |
| FMS      | Flow Management System                                                                                                | HURCN    | Hurricane                                                                                         |
| FMU      | Flow Management Unit                                                                                                  | HVDF     | High and very high frequency direction finding stations (at the same location)                    |
| FNA      | Final approach                                                                                                        | HVY      | Heavy                                                                                             |
| FPAP     | Flight path alignment point                                                                                           | HVY      | Heavy (used to indicate the intensity of weather phenomena, e.g. HVY RA = heavy rain)             |
| FPL      | Filed Flight Plan (message type designator)                                                                           | HX       | No specific working hours                                                                         |
| FPM      | Feet per minute                                                                                                       | HYR      | Higher                                                                                            |
| FPR      | Flight plan route                                                                                                     | HZ       | Haze                                                                                              |
| FR       | Fuel remaining                                                                                                        | HZ       | Hertz (cycle per second)                                                                          |
| FRA*     | Free Route Airspace                                                                                                   | <b>I</b> |                                                                                                   |
| FRASC*   | Free Route Airspace South Caucasus                                                                                    | IAC...   | Instrument approach chart                                                                         |
| FREQ     | Frequency                                                                                                             | IAF      | Initial approach fix                                                                              |
| FRI      | Friday                                                                                                                | IAO      | In and out of clouds                                                                              |
| FRNG     | Firing                                                                                                                | IAP      | Instrument approach procedure                                                                     |
| FRONT    | Front (relating to weather)                                                                                           | IAR      | Intersection of air routes                                                                        |
| FRQ      | Frequent                                                                                                              | IAS      | Indicated air speed                                                                               |
| FSL      | Full stop landing                                                                                                     | IATA*    | International Aviation Transport Association                                                      |
| FSS      | Flight service                                                                                                        | IBN      | Identification Beacon                                                                             |
| FST      | First                                                                                                                 |          |                                                                                                   |
| FT       | Feet (dimensional unit)                                                                                               |          |                                                                                                   |
| FTP      | Fictitious threshold point                                                                                            |          |                                                                                                   |
| FU       | Smoke                                                                                                                 |          |                                                                                                   |
| FZ       | Freezing                                                                                                              |          |                                                                                                   |
| FZDZ     | Freezing Drizzle                                                                                                      |          |                                                                                                   |
| FZFG     | Freezing Fog                                                                                                          |          |                                                                                                   |

|          |                                                                                  |          |                                                                                                                            |
|----------|----------------------------------------------------------------------------------|----------|----------------------------------------------------------------------------------------------------------------------------|
| IC       | Diamond dust (very small ice crystals in suspension, also known as diamond dust) | LR       | The last message received by me was...(to be used in AFS as procedure signal)                                              |
| ICARD*   | ICAO Codes And Routes Designator                                                 | LRG      | Long range                                                                                                                 |
| ICAO*    | International Civil Aviation Organization                                        | LS       | The last message sent by me was... or Last message was...(to be used in AFS as procedure signal)                           |
| ICE      | Icing                                                                            | LT*      | Local Time                                                                                                                 |
| ID       | Identifier or identify                                                           | LTD      | Limited                                                                                                                    |
| IDENT    | Identification                                                                   | LTP      | Landing threshold point                                                                                                    |
| IF       | Intermediate approach fix                                                        | LTT      | Landline teletypewriter                                                                                                    |
| IFF      | Identification friend/foe                                                        | LV       | Light and variable (relating to wind)                                                                                      |
| IFR      | Instrument Flight Rules                                                          | LVE      | Leave or leaving                                                                                                           |
| IGA      | International general aviation                                                   | LVL      | Level                                                                                                                      |
| ILS      | Instrument Landing System                                                        | LYR      | Layer or layered                                                                                                           |
| IM       | Inner marker                                                                     | <b>M</b> |                                                                                                                            |
| IMC      | Instrument Meteorological Conditions                                             | M ...    | Mach number (followed by figures)                                                                                          |
| IMG      | Immigration                                                                      | M        | Metres (preceded by figures)                                                                                               |
| IMPR     | Improve or improving                                                             | M...     | Minimum value of runway range (followed by figures in METAR/SPECI)                                                         |
| IMT      | Immediate or immediately                                                         | MAA      | Maximum authorized altitude                                                                                                |
| INA      | Initial approach                                                                 | MAG      | Magnetic                                                                                                                   |
| INBD     | Inbound                                                                          | MAINT    | Maintenance                                                                                                                |
| INC      | In cloud                                                                         | MAP      | Aeronautical maps and charts                                                                                               |
| INCERFA  | Uncertainty Phase                                                                | MAPT     | Missed approach point                                                                                                      |
| INFO     | Information                                                                      | MAR      | March                                                                                                                      |
| INOP     | Inoperative                                                                      | MAR      | At sea                                                                                                                     |
| INP      | If not possible                                                                  | MAS      | Manual A1 simplex                                                                                                          |
| INPR     | In progress                                                                      | MAX      | Maximum                                                                                                                    |
| INS      | Inertial Navigation System                                                       | MAY      | May                                                                                                                        |
| INSTL    | Install or installed or installation                                             | MBST     | Microburst                                                                                                                 |
| INSTR    | Instrument                                                                       | MCA      | Minimum crossing altitude                                                                                                  |
| INT      | Intersection                                                                     | MCW      | Modulated continuous wave                                                                                                  |
| INTL     | International                                                                    | MDA      | Minimum descent altitude                                                                                                   |
| INTRG    | Interrogator                                                                     | MDF      | Medium frequency direction-finding station                                                                                 |
| INTRP    | Interrupt or interruption or interrupted                                         | MDH      | Minimum descent height                                                                                                     |
| INTSF    | intensify or intensifying                                                        | MEA      | Minimum en-route altitude                                                                                                  |
| INTST    | Intensity                                                                        | MEHT     | Minimum eye height over threshold (for visual approach slope indicator system)                                             |
| IR       | Ice on runway                                                                    | MET      | Meteorological or meteorology                                                                                              |
| ISA      | International standard atmosphere                                                | METAR    | Aviation routine weather report (in aeronautical meteorological code)                                                      |
| ISB      | Independent sideband                                                             | MF       | Medium frequency (300 kHz to 3 000 kHz)                                                                                    |
| ISOL     | Isolated                                                                         | MHDF     | Medium and high frequency direction-finding station (at the same location)                                                 |
| <b>J</b> |                                                                                  | MHVDF    | Medium, high and very high frequency direction-finding station (at the same location)                                      |
| JAN      | January                                                                          | MHZ      | Megahertz                                                                                                                  |
| JTST     | Jet stream                                                                       | MID      | Mid-point (related to RVR)                                                                                                 |
| JUL      | July                                                                             | MIFG     | Shallow fog                                                                                                                |
| JUN      | June                                                                             | MIL      | Military                                                                                                                   |
| <b>K</b> |                                                                                  | MIN      | Minutes                                                                                                                    |
| KG       | Kilograms                                                                        | MIS      | Missing... (transmission identification) (to be used in AFS as a procedure signal)                                         |
| KHZ      | Kilohertz                                                                        | MKR      | Marker radio beacon                                                                                                        |
| KM       | Kilometres                                                                       | MLS      | Microwave landing system                                                                                                   |
| KMH      | Kilometres per hour                                                              | MM       | Middle Marker                                                                                                              |
| KPA      | Kilopascal                                                                       | MNM      | Minimum                                                                                                                    |
| KT       | Knots                                                                            | MNPS     | Minimum navigation performance specifications                                                                              |
| KW       | Kilowatts                                                                        | MNT      | Monitor or monitoring or monitored                                                                                         |
| <b>L</b> |                                                                                  | MNTN     | Maintain                                                                                                                   |
| L        | Left (preceded by runway designation number to identify a parallel runway)       | MOA      | Military operating area                                                                                                    |
| L        | Locator (see LM, LO)                                                             | MOC      | Minimum obstacle clearance (required)                                                                                      |
| L        | Low pressure area or the centre of low pressure                                  | MOD      | Moderate (used to indicate the intensity of weather phenomena, interference or static reports e.g. MOD RA = Moderate Rain) |
| LAL*     | Lowest Available Level                                                           | MON      | Monday                                                                                                                     |
| LAM      | Logical acknowledgement (message type designator)                                | MON      | Above mountains                                                                                                            |
| LAN      | Inland                                                                           | MOPS     | Minimum operational performance standards                                                                                  |
| LAT      | Latitude                                                                         | MOTNE    | Meteorological Operational Telecommunications Network Europe                                                               |
| LDA      | Landing distance available                                                       | MOV      | Move or moving or movement                                                                                                 |
| LDAH     | Landing distance available, helicopter                                           | MPS      | Metres per second                                                                                                          |
| LDG      | Landing                                                                          | MRA      | Minimum reception altitude                                                                                                 |
| LDI      | Landing Direction Indicator                                                      | MRCC*    | Maritime Rescue Coordination Center                                                                                        |
| LEN      | Length                                                                           | MRG      | Medium range                                                                                                               |
| LF       | Low frequency (30 to 300 kHz)                                                    | MRP      | ATS/MET reporting point                                                                                                    |
| LGT      | Light or Lighting                                                                | MS       | Minus                                                                                                                      |
| LGTD     | Lighted                                                                          | MSA      | Minimum Sector Altitude                                                                                                    |
| LIH      | Light intensity high                                                             | MSAS     | (to be pronounced "EM-SAS") Multifunctional transport satellite (MTSAT) satellite-based augmentation system                |
| LIL      | Light intensity low                                                              | MSAW     | Minimum safe altitude warning                                                                                              |
| LIM      | Light intensity medium                                                           |          |                                                                                                                            |
| LM       | Locator middle                                                                   |          |                                                                                                                            |
| LMT      | Local mean time                                                                  |          |                                                                                                                            |
| LNG      | Long (used to indicate the type of approach desired or required)                 |          |                                                                                                                            |
| LO       | Locator, outer                                                                   |          |                                                                                                                            |
| LOC      | Localizer                                                                        |          |                                                                                                                            |
| LONG     | Longitude                                                                        |          |                                                                                                                            |
| LORAN    | Long Range Air Navigation System                                                 |          |                                                                                                                            |

|          |                                                                                                                                                                                                                                        |          |                                                                                                                                                 |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| MSG      | Message                                                                                                                                                                                                                                | O/R      | On request                                                                                                                                      |
| MSL      | Mean sea level                                                                                                                                                                                                                         | ORD      | Indication of an order                                                                                                                          |
| MSSR     | Monopulse Secondary Surveillance Radar                                                                                                                                                                                                 | OSV      | Ocean station vessel                                                                                                                            |
| MT       | Mountain                                                                                                                                                                                                                               | OTLK     | Outlook (used in SIGMET message for volcanic ash and tropical cyclones)                                                                         |
| MTOW*    | Maximum Take-off Weight                                                                                                                                                                                                                | OTP      | On top                                                                                                                                          |
| MTU      | Metric units                                                                                                                                                                                                                           | OTS      | Organized track system                                                                                                                          |
| MTW      | Mountain waves                                                                                                                                                                                                                         | OUBD     | Out-bound                                                                                                                                       |
| MVDF     | Medium and very high frequency direction-finding station (at the same location)                                                                                                                                                        | OVC      | Overcast                                                                                                                                        |
| MWO      | Meteorological Watch Office                                                                                                                                                                                                            | <b>P</b> |                                                                                                                                                 |
| MX       | Mixed type of ice formation (white and clear)                                                                                                                                                                                          | P ...    | Prohibited area (followed by identification)                                                                                                    |
| <b>N</b> |                                                                                                                                                                                                                                        | P...     | Maximum value of wind speed or runway visual range (followed by figures in METAR/SPECI and TAF)                                                 |
| N        | North or northern latitude                                                                                                                                                                                                             | PA       | Precision approach                                                                                                                              |
| N        | No distinct tendency (in RVR during previous 10 minutes)                                                                                                                                                                               | PALS     | Precision approach lighting system (specify category)                                                                                           |
| NASC     | National AIS system centre                                                                                                                                                                                                             | PANS     | Procedures for air navigation services                                                                                                          |
| NAT      | North atlantic                                                                                                                                                                                                                         | PAPI     | Precision Approach Path Indicator                                                                                                               |
| NAV      | Navigation                                                                                                                                                                                                                             | PAR      | Precision Approach Radar                                                                                                                        |
| NB       | North bound                                                                                                                                                                                                                            | PARL     | Parallel                                                                                                                                        |
| NBFR     | Not before                                                                                                                                                                                                                             | PATC...  | Precision approach terrain chart (followed by name/title)                                                                                       |
| NC       | No change                                                                                                                                                                                                                              | PAX      | Passenger(s)                                                                                                                                    |
| NCD      | No cloud detected (used in automated METAR/SPECI)                                                                                                                                                                                      | PCD      | Proceed or proceeding                                                                                                                           |
| NDB      | Non-Directional Radio Beacon                                                                                                                                                                                                           | PCL      | Pilot-controlled lighting                                                                                                                       |
| NDV      | No directional variations available (used in automated METAR/SPECI)                                                                                                                                                                    | PCN      | Pavement Classification Number                                                                                                                  |
| NE       | North-east                                                                                                                                                                                                                             | PDC      | Pre-departure clearance                                                                                                                         |
| NEB      | North-eastbound                                                                                                                                                                                                                        | PDG      | Procedure design gradient                                                                                                                       |
| NEG      | No or negative or permission not granted or that is not correct                                                                                                                                                                        | PER      | Performance                                                                                                                                     |
| NGT      | Night                                                                                                                                                                                                                                  | PERM     | Permanent                                                                                                                                       |
| NIL      | None or I have nothing to send to you                                                                                                                                                                                                  | PIB*     | Pre-flight Information Bulletin                                                                                                                 |
| NM       | Nautical Miles                                                                                                                                                                                                                         | PJE      | Parachute jumping exercise                                                                                                                      |
| NML      | Normal                                                                                                                                                                                                                                 | PL       | Ice pellets                                                                                                                                     |
| NNE      | North north east                                                                                                                                                                                                                       | PLA      | Practice low approach                                                                                                                           |
| NNW      | North north west                                                                                                                                                                                                                       | PLN      | Flight plan                                                                                                                                     |
| NO       | No (negative) (to be used in AFS as a procedure signal)                                                                                                                                                                                | PLVL     | Present level                                                                                                                                   |
| NOF      | International NOTAM office                                                                                                                                                                                                             | PN       | Prior notice required                                                                                                                           |
| NOSIG    | No Significant Change (used in trend-type landing forecasts)                                                                                                                                                                           | PNR      | Point of no return                                                                                                                              |
| 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 | PO       | Dust devils                                                                                                                                     |
| NOV      | November                                                                                                                                                                                                                               | POB      | Persons on board                                                                                                                                |
| NOZ      | Normal operating zone                                                                                                                                                                                                                  | POSS     | Possible                                                                                                                                        |
| NR       | Number                                                                                                                                                                                                                                 | PPI      | Plan position indicator                                                                                                                         |
| NRH      | No reply heard                                                                                                                                                                                                                         | PPR      | Prior permission required                                                                                                                       |
| NS       | Nimbostratus                                                                                                                                                                                                                           | PPSN     | Present position                                                                                                                                |
| NSC      | Nil significant cloud                                                                                                                                                                                                                  | PRFG     | Aerodrome partially covered by fog                                                                                                              |
| NSW      | Nil significant weather                                                                                                                                                                                                                | PRI      | Primary                                                                                                                                         |
| NTL      | National                                                                                                                                                                                                                               | PRKG     | Parking                                                                                                                                         |
| NTZ      | No transgression zone                                                                                                                                                                                                                  | PROB     | Probability                                                                                                                                     |
| NW       | North-west                                                                                                                                                                                                                             | PROC     | Procedure                                                                                                                                       |
| NWB      | North-westbound                                                                                                                                                                                                                        | PROV     | Provisional                                                                                                                                     |
| NXT      | Next                                                                                                                                                                                                                                   | PS       | Plus                                                                                                                                            |
| <b>O</b> |                                                                                                                                                                                                                                        | PSG      | Passing                                                                                                                                         |
| OAC      | Oceanic area control centre                                                                                                                                                                                                            | PSN      | Position                                                                                                                                        |
| OAS      | Obstacle assessment surface                                                                                                                                                                                                            | PSP      | Pierced steel plank                                                                                                                             |
| OBS      | Observe or observed or observation                                                                                                                                                                                                     | PSR      | Primary surveillance radar                                                                                                                      |
| OBSC     | Observe or obscured or obscuring                                                                                                                                                                                                       | PSYS     | Pressure system(s)                                                                                                                              |
| OBST     | Obstacle                                                                                                                                                                                                                               | PTN      | Procedure turn                                                                                                                                  |
| OCA      | Obstacle clearance altitude                                                                                                                                                                                                            | PTS      | Polar track structure                                                                                                                           |
| OCA      | Oceanic control area                                                                                                                                                                                                                   | PWR      | Power                                                                                                                                           |
| OCC      | Occulting (light)                                                                                                                                                                                                                      | <b>Q</b> |                                                                                                                                                 |
| OCH      | Obstacle clearance height                                                                                                                                                                                                              | QBI*     | Compulsory IFR flight                                                                                                                           |
| OCNL     | Occasional or occasionally                                                                                                                                                                                                             | QDL      | Do you intend to ask me for series of bearings? or I intend to ask you for series of bearings (to be used in radiotelegraphy as a Q Code)       |
| OCS      | Obstacle clearance surface                                                                                                                                                                                                             | QDM      | Magnetic Heading (zero wind)                                                                                                                    |
| OCT      | October                                                                                                                                                                                                                                | QDR      | Magnetic bearing                                                                                                                                |
| OFZ      | Obstacle Free Zone                                                                                                                                                                                                                     | QFE      | Atmospheric Pressure at Aerodrome Elevation (or at runway threshold)                                                                            |
| OGN      | Originate (to be used in AFS as a procedure signal)                                                                                                                                                                                    | QFU      | Magnetic orientation of runway                                                                                                                  |
| OHD      | Overhead                                                                                                                                                                                                                               | QGE      | What is my distance to your station? or Your distance to my station is (distance figures and units) (to be used in radiotelegraphy as a Q Code) |
| OLDI     | On-line data interchange                                                                                                                                                                                                               | QJH      | Shall I run my test tape/a test sentence? or Run your test tape/a test sentence (to be used in AFS as a Q Code)                                 |
| OM       | Out marker                                                                                                                                                                                                                             | QNH      | Altimeter sub-scale setting to obtain elevation when on the ground                                                                              |
| OPA      | Opaque, white type of ice formation                                                                                                                                                                                                    | QSP      | Will you relay to ... free of charge? or I will relay to ... free of charge (to be used in AFS as a Q Code)                                     |
| OPC      | The control indicated is operational control                                                                                                                                                                                           | QTA      | Shall I cancel telegram number ...? or Cancel telegram number (to be used in AFS as a Q Code)                                                   |
| OPMET    | Operational Meteorological (information)                                                                                                                                                                                               | QTE      | True bearing                                                                                                                                    |
| OPN      | Open or opening or opened                                                                                                                                                                                                              |          |                                                                                                                                                 |
| OPR      | Operator or operate or operative or operating or operational                                                                                                                                                                           |          |                                                                                                                                                 |
| OPS      | Operations                                                                                                                                                                                                                             |          |                                                                                                                                                 |

|          |                                                                                                                                                                                                                                                                                                                                                            |          |                                                                                                                                                                                                                                                                           |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| QTF      | Will you give me the position of my station according to the bearings taken by the D/F stations which you control? or The position of your station according to the bearings taken by the D/F stations that I control was ... latitude ... longitude (or other indication of position), class ... at ... hours (to be used in radiotelegraphy as a Q Code) | RSP      | Responder beacon                                                                                                                                                                                                                                                          |
| QUAD     | Quadrant                                                                                                                                                                                                                                                                                                                                                   | RSR      | En-route surveillance radar                                                                                                                                                                                                                                               |
| QUJ      | Will you indicate the TRUE track to reach you? or The TRUE track to reach me is ... degrees at ... hours (to be used in radiotelegraphy as a Q Code)                                                                                                                                                                                                       | RTD      | Delayed (used to indicate delayed meteorological message); (message type designator)                                                                                                                                                                                      |
| <b>R</b> |                                                                                                                                                                                                                                                                                                                                                            | RTE      | Route                                                                                                                                                                                                                                                                     |
| R        | Right (preceded by runway designation number to identify a parallel runway)                                                                                                                                                                                                                                                                                | RTF      | Radiotelephone                                                                                                                                                                                                                                                            |
| R        | Red                                                                                                                                                                                                                                                                                                                                                        | RTG      | Radiotelegraph                                                                                                                                                                                                                                                            |
| R ...    | Restricted area (followed by identification)                                                                                                                                                                                                                                                                                                               | RTHL     | Runway threshold light(s)                                                                                                                                                                                                                                                 |
| R...     | Runway visual range (followed by figures in METAR/SPECI)                                                                                                                                                                                                                                                                                                   | RTN      | Return or returned or returning                                                                                                                                                                                                                                           |
| RA       | Rain                                                                                                                                                                                                                                                                                                                                                       | RTODAH   | Rejected take-off distance available, helicopter                                                                                                                                                                                                                          |
| RAC      | Rules or the air and air traffic services                                                                                                                                                                                                                                                                                                                  | RTS      | Return to service                                                                                                                                                                                                                                                         |
| RAFC*    | Regional area forecast centre                                                                                                                                                                                                                                                                                                                              | RTT      | Radioteletypewriter                                                                                                                                                                                                                                                       |
| RAG      | Ragged                                                                                                                                                                                                                                                                                                                                                     | RTZL     | Runway touchdown zone light(s)                                                                                                                                                                                                                                            |
| RAG      | Runway arresting gear                                                                                                                                                                                                                                                                                                                                      | RU*      | Russian                                                                                                                                                                                                                                                                   |
| RAI      | Runway alignment indicator                                                                                                                                                                                                                                                                                                                                 | RUT      | Standard regional route transmitting frequencies                                                                                                                                                                                                                          |
| RAIM     | Receiver autonomous integrity monitoring                                                                                                                                                                                                                                                                                                                   | RV       | Rescue vessel                                                                                                                                                                                                                                                             |
| RASC     | Regional AIS system centre                                                                                                                                                                                                                                                                                                                                 | RVR      | Runway Visual Range                                                                                                                                                                                                                                                       |
| RASS     | Remote altimeter setting source                                                                                                                                                                                                                                                                                                                            | RVSM     | Reduced Vertical Separation Minimum                                                                                                                                                                                                                                       |
| RB       | Rescue boat                                                                                                                                                                                                                                                                                                                                                | RWY      | Runway                                                                                                                                                                                                                                                                    |
| RCA      | Reach cruising altitude                                                                                                                                                                                                                                                                                                                                    | <b>S</b> |                                                                                                                                                                                                                                                                           |
| RCC      | Rescue co-ordination centre                                                                                                                                                                                                                                                                                                                                | S...     | State of sea (followed by figures in METAR/SPECI)                                                                                                                                                                                                                         |
| RCF      | Radiocommunication failure (message type designator)                                                                                                                                                                                                                                                                                                       | S        | South or southern latitude                                                                                                                                                                                                                                                |
| RCH      | Reach or reaching                                                                                                                                                                                                                                                                                                                                          | SA       | Sand                                                                                                                                                                                                                                                                      |
| RCL      | Runway centre line                                                                                                                                                                                                                                                                                                                                         | SALS     | Simple approach lighting system                                                                                                                                                                                                                                           |
| RCLL     | Runway centre line light(s)                                                                                                                                                                                                                                                                                                                                | SAN      | Sanitary                                                                                                                                                                                                                                                                  |
| RCLR     | Recleared                                                                                                                                                                                                                                                                                                                                                  | SAP      | As soon as possible                                                                                                                                                                                                                                                       |
| RDH      | Reference datum height (for ILS)                                                                                                                                                                                                                                                                                                                           | SAR      | Search and rescue                                                                                                                                                                                                                                                         |
| RDL      | Radial                                                                                                                                                                                                                                                                                                                                                     | SARPS    | Standards and recommended practices (ICAO)                                                                                                                                                                                                                                |
| RDO      | Radio                                                                                                                                                                                                                                                                                                                                                      | SAT      | Saturday                                                                                                                                                                                                                                                                  |
| RE       | Recent (used to qualify weather phenomena e.g. RERA = recent rain)                                                                                                                                                                                                                                                                                         | SATCOM   | Satellite Communication                                                                                                                                                                                                                                                   |
| REC      | Receive or receiver                                                                                                                                                                                                                                                                                                                                        | SB       | Southbound                                                                                                                                                                                                                                                                |
| REDL     | Runway edge light(s)                                                                                                                                                                                                                                                                                                                                       | SBAS     | (to be pronounced "ESS-BAS") Satellite-based augmentation system                                                                                                                                                                                                          |
| REF      | Reference to ... or refer to ...                                                                                                                                                                                                                                                                                                                           | SC       | Stratocumulus                                                                                                                                                                                                                                                             |
| REG      | Registration                                                                                                                                                                                                                                                                                                                                               | SCT      | Scattered                                                                                                                                                                                                                                                                 |
| RENL     | Runway end light(s)                                                                                                                                                                                                                                                                                                                                        | SDBY     | Stand by                                                                                                                                                                                                                                                                  |
| REP      | Report or reporting or reporting point                                                                                                                                                                                                                                                                                                                     | SDF      | Step down fix                                                                                                                                                                                                                                                             |
| REQ      | Request or requested                                                                                                                                                                                                                                                                                                                                       | SE       | South-east                                                                                                                                                                                                                                                                |
| RERTE    | Re-route                                                                                                                                                                                                                                                                                                                                                   | SEA      | Sea (used in connection with sea-surface temperature and state of the sea)                                                                                                                                                                                                |
| RESA     | Runway end safety area                                                                                                                                                                                                                                                                                                                                     | SEB      | South-eastbound                                                                                                                                                                                                                                                           |
| RG       | Range (lights)                                                                                                                                                                                                                                                                                                                                             | SEC      | Seconds                                                                                                                                                                                                                                                                   |
| RHC      | Right-hand circuit                                                                                                                                                                                                                                                                                                                                         | SECN     | Section                                                                                                                                                                                                                                                                   |
| RIF      | Reclearance in flight                                                                                                                                                                                                                                                                                                                                      | SECT     | Sector                                                                                                                                                                                                                                                                    |
| RITE     | Right (direction of turn)                                                                                                                                                                                                                                                                                                                                  | SELCAL   | Selective Calling System                                                                                                                                                                                                                                                  |
| RL       | Report leaving                                                                                                                                                                                                                                                                                                                                             | SEP      | September                                                                                                                                                                                                                                                                 |
| RLA      | Relay to                                                                                                                                                                                                                                                                                                                                                   | SER      | Service or servicing or served                                                                                                                                                                                                                                            |
| RLCE     | Request level change en-route                                                                                                                                                                                                                                                                                                                              | SEV      | Severe (used e.g. to qualify icing and turbulence reports)                                                                                                                                                                                                                |
| RLLS     | Runway lead-in lighting system                                                                                                                                                                                                                                                                                                                             | SFC      | Surface                                                                                                                                                                                                                                                                   |
| RLNA     | Requested level not available                                                                                                                                                                                                                                                                                                                              | SG       | Snow grains                                                                                                                                                                                                                                                               |
| RMAC     | Radar minimum altitude chart                                                                                                                                                                                                                                                                                                                               | SGL      | Signal                                                                                                                                                                                                                                                                    |
| RMK      | Remark                                                                                                                                                                                                                                                                                                                                                     | SH ...   | Showers (followed by RA=rain, SN=snow, PE=ice pellets, GR=hail, GS=small hail and or snow pellets or combinations thereof, e.g. SHRASN=showers of rain and snow)                                                                                                          |
| RNAV     | (to be pronounced "AR-NAV") Area Navigation                                                                                                                                                                                                                                                                                                                | SHF      | Super high frequency (3 000 to 30 000 MHz)                                                                                                                                                                                                                                |
| RNG      | Radio range                                                                                                                                                                                                                                                                                                                                                | SID      | Standard Instrument Departure                                                                                                                                                                                                                                             |
| RNP      | Required Navigation Performance                                                                                                                                                                                                                                                                                                                            | SIF      | Selective identification feature                                                                                                                                                                                                                                          |
| ROBEX    | Regional OPMET bulletin exchange(scheme)                                                                                                                                                                                                                                                                                                                   | SIG      | Significant                                                                                                                                                                                                                                                               |
| ROC      | Rate of climb                                                                                                                                                                                                                                                                                                                                              | SIGMET   | Information concerning en-route weather phenomena which may affect the safety of operations                                                                                                                                                                               |
| ROD      | Rate of descent                                                                                                                                                                                                                                                                                                                                            | SIGWX*   | Significant weather                                                                                                                                                                                                                                                       |
| ROFOR    | Route forecast (in aeronautical meteorological code)                                                                                                                                                                                                                                                                                                       | SIMUL    | Simultaneous or simultaneously                                                                                                                                                                                                                                            |
| RON      | Receiving only                                                                                                                                                                                                                                                                                                                                             | SIWL     | Single isolated wheel load                                                                                                                                                                                                                                                |
| RPI      | Radar position indicator                                                                                                                                                                                                                                                                                                                                   | SKC      | Sky clear                                                                                                                                                                                                                                                                 |
| RPL      | Repetitive Flight Plan                                                                                                                                                                                                                                                                                                                                     | SKED     | Schedule or scheduled                                                                                                                                                                                                                                                     |
| RPLC     | Replace or replaced                                                                                                                                                                                                                                                                                                                                        | SLP      | Speed limiting point                                                                                                                                                                                                                                                      |
| RPS      | Radar position symbol                                                                                                                                                                                                                                                                                                                                      | SLW      | Slow                                                                                                                                                                                                                                                                      |
| RQMNTS   | Requirements                                                                                                                                                                                                                                                                                                                                               | SMC      | Surface movement control                                                                                                                                                                                                                                                  |
| RQP      | Request flight plan (message type designator)                                                                                                                                                                                                                                                                                                              | SMR      | Surface movement radar                                                                                                                                                                                                                                                    |
| RQS      | Request supplementary flight plan (message type designator)                                                                                                                                                                                                                                                                                                | SN       | Snow                                                                                                                                                                                                                                                                      |
| RR       | Report reaching                                                                                                                                                                                                                                                                                                                                            | SNOLCO   | Aerodrome closed due to snow (used in METAR/SPECI)                                                                                                                                                                                                                        |
| RRA      | (or RRB, RRC....etc in sequence) delayed meteorological message (message type designator)                                                                                                                                                                                                                                                                  | SNOWTAM  | A special series NOTAM given in a standard format providing a surface condition report notifying the presence or cessation of hazardous conditions due to snow, ice, slush, frost, standing water or water associated with snow, slush, ice or frost on the movement area |
| RSC      | Rescue sub-centre                                                                                                                                                                                                                                                                                                                                          | SPECI    | Aviation Selected Special Weather Report (in aeronautical meteorological code)                                                                                                                                                                                            |
| RSCD     | Runway surface condition                                                                                                                                                                                                                                                                                                                                   |          |                                                                                                                                                                                                                                                                           |

|          |                                                                    |          |                                                                                                                                                                                    |
|----------|--------------------------------------------------------------------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SPECIAL  | Special Meteorological Report (in abbreviated plain language)      | TODAH    | Take-off distance available, helicopter                                                                                                                                            |
| SPL      | Supplementary flight plan (message type designator)                | TOP      | Cloud Top                                                                                                                                                                          |
| SPOC     | SAR point in contact                                               | TORA     | Take-off run available                                                                                                                                                             |
| SPOT     | Spot Wind                                                          | TP       | Turning point                                                                                                                                                                      |
| SQ       | Squall                                                             | TR       | Track                                                                                                                                                                              |
| SQL      | Squall line                                                        | TRA      | Temporary reserved airspace                                                                                                                                                        |
| SR       | Sunrise                                                            | TRANS    | Transmits or transmitter                                                                                                                                                           |
| SRA      | Surveillance radar approach                                        | TREND    | Trend forecast                                                                                                                                                                     |
| SRE      | Surveillance Radar Element of Precision Approach Radar System      | TRL      | Transition level                                                                                                                                                                   |
| SRG      | Short range                                                        | TROP     | Tropopause                                                                                                                                                                         |
| SRR      | Search and rescue region                                           | TS       | Thunderstorm (in aerodrome reports and forecasts, ts used alone means thunder heard but no precipitation at the aerodrome)                                                         |
| SRY      | Secondary                                                          | TS...    | Thunderstorm (followed by RA= RAIN, SN= snow, PE= ice pellets, GR= hail, GS= small hail and/or snow pellets or combinations thereof, e.g. TSRASN= thunderstorm with rain and snow) |
| SS       | Sandstorm                                                          | TT       | Teletypewriter                                                                                                                                                                     |
| SS       | Sunset                                                             | TUE      | Tuesday                                                                                                                                                                            |
| SSB      | Single sideband                                                    | TURB     | Turbulence                                                                                                                                                                         |
| SSE      | South south east                                                   | T-VASIS  | (to be pronounced "TEE-VASIS") T visual approach slope indicator system                                                                                                            |
| SSR      | Secondary Surveillance Radar                                       | TVOR     | Terminal VOR                                                                                                                                                                       |
| SST      | Supersonic transport                                               | TWR      | Aerodrome Control Tower or Aerodrome Control                                                                                                                                       |
| SSW      | South southwest                                                    | TWY      | Taxiway                                                                                                                                                                            |
| ST       | Stratus                                                            | TWYL     | Taxiway-link                                                                                                                                                                       |
| STA      | Straight-in approach                                               | TX...    | Maximum temperature (followed by figures in TAF)                                                                                                                                   |
| STAR     | Standard Instrument Arrival                                        | TYP      | Type of aircraft                                                                                                                                                                   |
| STD      | Standard                                                           | TYPH     | Typhoon                                                                                                                                                                            |
| STF      | Stratiform                                                         |          |                                                                                                                                                                                    |
| STN      | Station                                                            |          |                                                                                                                                                                                    |
| STNR     | Stationary                                                         |          |                                                                                                                                                                                    |
| STOL     | Short take-off and landing                                         |          |                                                                                                                                                                                    |
| STS      | Status                                                             |          |                                                                                                                                                                                    |
| STWL     | Stopway light(s)                                                   |          |                                                                                                                                                                                    |
| SUBJ     | Subject to                                                         |          |                                                                                                                                                                                    |
| SUN      | Sunday                                                             |          |                                                                                                                                                                                    |
| SUP      | Supplement (AIP supplement)                                        |          |                                                                                                                                                                                    |
| SUPPS    | Regional supplementary procedures                                  |          |                                                                                                                                                                                    |
| SVC      | Service message                                                    |          |                                                                                                                                                                                    |
| SVCBL    | Serviceable                                                        |          |                                                                                                                                                                                    |
| SW       | South-west                                                         |          |                                                                                                                                                                                    |
| SWB      | South-westbound                                                    |          |                                                                                                                                                                                    |
| SWY      | Stopway                                                            |          |                                                                                                                                                                                    |
| <b>T</b> |                                                                    | <b>U</b> |                                                                                                                                                                                    |
| T        | Temperature                                                        | U        | Upward (tendency in rvr during previous 10 minutes)                                                                                                                                |
| TA       | Transition altitude                                                | UAB...   | Until advised by...                                                                                                                                                                |
| TAA      | Terminal arrival altitude                                          | UAC      | Upper area control centre                                                                                                                                                          |
| TACAN    | UHF Tactical Air Navigation Aid                                    | UAR      | Upper air route                                                                                                                                                                    |
| TAF      | Aerodrome Forecast                                                 | UDF      | Ultra high frequency direction-finding station                                                                                                                                     |
| TAIL     | Tail, Wind                                                         | UFN      | Until further notice                                                                                                                                                               |
| TAR      | Terminal area surveillance radar                                   | UHDT     | Unable higher due traffic                                                                                                                                                          |
| TAS      | True airspeed                                                      | UHF      | Ultra High Frequency (300 to 3 000 MHz)                                                                                                                                            |
| TAX      | Taxiing or taxi                                                    | UIC      | Upper information centre                                                                                                                                                           |
| TC       | Tropical cyclone                                                   | UIR      | Upper Flight Information Region                                                                                                                                                    |
| TCAC     | Tropical cyclone advisory centre                                   | ULR      | Ultra long range                                                                                                                                                                   |
| TCU      | Towering cumulus                                                   | UNA      | Unable                                                                                                                                                                             |
| TDO      | Tornado                                                            | UNAP     | Unable to approve                                                                                                                                                                  |
| TDZ      | Touchdown zone                                                     | UNL      | Unlimited                                                                                                                                                                          |
| TECR     | Technical reason                                                   | UNREL    | Unreliable                                                                                                                                                                         |
| TEL      | Telephone                                                          | U/S      | Unserviceable                                                                                                                                                                      |
| TEMPO    | Temporary or Temporarily                                           | UP       | Unidentified precipitation (used in automated METAR/SPECI)                                                                                                                         |
| TEND*    | Trend or tending to                                                | UTA      | Upper control area                                                                                                                                                                 |
| TF       | Track to fix                                                       | UTC      | Co-ordinated Universal Time                                                                                                                                                        |
| TFC      | Traffic                                                            | <b>V</b> |                                                                                                                                                                                    |
| TGL      | Touch-and-go Landing                                               | V...     | Variations from the mean wind direction (preceded and followed by figures in METAR/SPECI, e.g. 350V070)                                                                            |
| TGS      | Taxiing guidance system                                            | VA       | Volcanic ash                                                                                                                                                                       |
| THR      | Threshold                                                          | VAAC     | Volcanic ash advisory centre                                                                                                                                                       |
| THRU     | Through                                                            | VAC...   | Visual approach chart (followed by name/title)                                                                                                                                     |
| THU      | Thursday                                                           | VAL      | In valleys                                                                                                                                                                         |
| TIBA     | Traffic information broadcast by aircraft                          | VAN      | Runway control van                                                                                                                                                                 |
| TIL      | Until                                                              | VAR      | Magnetic variation                                                                                                                                                                 |
| TIP      | Until past...(place)                                               | VAR      | Visual-aural radio range                                                                                                                                                           |
| TKOF     | Take off                                                           | VASIS    | Visual Approach Slope Indicator System                                                                                                                                             |
| TL ...   | Till (followed by time by which weather change is forecast to end) | VC...    | Vicinity of the aerodrome (followed by FG=fog, FC=funnel cloud, PO=dust-sand whirls, BLDU=blowing dust, BLSA = blowing sand or BLSN=blowing snow, e.g. VC FG = vicinity fog)       |
| TLOF     | Touchdown and lift-off area                                        | VCY      | Vicinity                                                                                                                                                                           |
| TMA      | Terminal Control Area                                              | VDF      | Very high frequency direction-finding station                                                                                                                                      |
| TN...    | Minimum temperature (followed by figures in TAF)                   | VER      | Vertical                                                                                                                                                                           |
| TNA      | Turn altitude                                                      | VFR      | Visual Flight Rules                                                                                                                                                                |
| TNH      | Turn height                                                        | VHF      | Very High Frequency (30 to 300 Mhz)                                                                                                                                                |
| TO...    | To...(place)                                                       | VIP      | Very Important Person                                                                                                                                                              |
| TOC      | Top of climb                                                       | VIS      | Visibility                                                                                                                                                                         |
| TODA     | Take-off distance available                                        | VLF      | Very low frequency (3 to 30 khz)                                                                                                                                                   |
|          |                                                                    | VLR      | Very long range                                                                                                                                                                    |
|          |                                                                    | VMC      | Visual Meteorological Conditions                                                                                                                                                   |
|          |                                                                    | VOLMET   | Meteorological Information for Aircraft in Flight                                                                                                                                  |
|          |                                                                    | VOR      | VHF Omnidirectional Radio Range                                                                                                                                                    |
|          |                                                                    | VORTAC   | VOR and TACAN Combination                                                                                                                                                          |
|          |                                                                    | VOT      | VOR airborne equipment test facility                                                                                                                                               |
|          |                                                                    | VPA      | Vertical path angle                                                                                                                                                                |

|       |                                                                  |
|-------|------------------------------------------------------------------|
| VRB   | Variable                                                         |
| VSA   | By visual reference to the ground                                |
| VSP   | Vertical speed                                                   |
| VTOL  | Vertical take-off and landing                                    |
| VV... | Vertical visibility (followed by figures in METAR/SPECI and TAF) |

## W

|        |                                                              |
|--------|--------------------------------------------------------------|
| W      | West or western longitude                                    |
| W      | White                                                        |
| W...   | Sea-surface temperature (followed by figures in METAR/SPECI) |
| WAAS   | Wide area augmentation system                                |
| WAC    | World Aeronautical Chart - ICAO 1:1 000 000                  |
| WAFc   | World Area Forecast Centre                                   |
| WB     | Westbound                                                    |
| WBAR   | Wing Bar Lights                                              |
| WDI    | Wind direction indicator                                     |
| WDSPR  | Widespread                                                   |
| WED    | Wednesday                                                    |
| WEF    | With effect from or effective from                           |
| WGS-84 | World Geodetic System-84                                     |
| WI     | Within                                                       |
| WID    | Width                                                        |
| WIE    | With immediate effect or effective immediately               |
| WILCO  | Will Comply                                                  |
| WIND   | Wind                                                         |
| WITEM  | Forecast upper wind and temperature for aviation             |
| WIP    | Work in progress                                             |
| WKN    | Weaken or weakening                                          |
| WNW    | West north west                                              |
| WO     | Without                                                      |
| WPT    | Way-point                                                    |
| WRNG   | Warning                                                      |
| WS     | Wind shear                                                   |
| WSPD   | Wind speed                                                   |
| WSW    | West south west                                              |
| WT     | Weight                                                       |
| WTSPt  | Waterspout                                                   |
| WW     | Worldwide web                                                |
| WX     | Weather                                                      |

## X

|      |                                        |
|------|----------------------------------------|
| X    | Cross                                  |
| XBAR | Crossbar (of approach lighting system) |
| XNG  | Crossing                               |
| XS   | Atmospherics                           |

## Y

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

## Z

|   |                                                          |
|---|----------------------------------------------------------|
| Z | Co-ordinated universal time (in meteorological messages) |
|---|----------------------------------------------------------|