

# **Luftfarts**

# **Forkortelser**

**version 1.1**

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version 1.1

© **AirBooks**

# A

- A0:** continuous wave  
**A1:** interrupted continuous wave  
**A2:** modulated continuous wave  
**a:** speed of sound  
**A & E test:** aircraft and engine test  
**A to F:** authority to fly  
**A:** aeroplane / acceleration / amber  
**A:** ATS airspace classification A  
**A:** alteration without change of meaning  
**A.....:** identifier for QNH reported in inches and hundredths  
**AA:** approach angle  
**A/A:** air to air  
**A/B:** after burner  
**AAA:** first amendment  
**AAB:** second amendment  
**AAD:** assigned altitude deviation  
**AAF:** army air field  
**AAI:** 3 colour angle of approach indicator  
**AAIB:** aircraft accident investigation board  
**AAAL:** above aerodrome level  
**AAS:** anti-icing advisory system  
**AAS:** airport advisory service  
**AATOT:** anticipated actual take-off time  
**AAU:** authorized approach UNICOM  
**ABBR:** abbreviation  
**ABC:** aerodrome briefing card  
**ABM:** abeam  
**ABN:** abnormal  
**ABN:** aerodrome beacon  
**ABS:** absolute  
**ABT:** about  
**ABV:** above  
**A/C:** aircraft / air condition  
**AC:** altocumulus  
**AC:** advisory circular  
**AC:** alternating current  
**AC.....:** arc with identification (RNAV)  
**AC 210:** radial of entry by DME arc proc (RNAV)  
**ACA:** arctic control area  
**ACARS:** ACARS communication addressing and reporting system  
**ACAS:** airborne collision avoidance system  
**ACC:** according to / area control center / ACC service / altocumulus castellanus  
**ACC:** **ACCTME:** accumulated time  
**ACFT:** aircraft  
**ACK:** acknowledge  
**ACL:** altimeter check location  
**ACN:** aircraft classification number  
**ACP:** altimeter check point / assistant chief pilot  
**ACPT:** accept / accepted  
**ACR:** approach control radar  
**ACSL:** altocumulus lenticularis  
**ACT:** active / activated / activity  
**ACT GS:** actual ground speed  
**ACT RTE:** active flight plan or route leg  
**A/D:** analog to digital  
**AD:** aerodrome  
**AD:** advisory route..(no.)  
**AD:** automatic deployable  
**ADA:** advisory area  
**ADAS:** aircraft data acquisition system  
**ADC:** aerodrome chart  
**ADC:** air data computer  
**ADD:** additional fuel  
**ADDN:** addition / additional  
**ADEP:** aerodrome of departure  
**ADES:** aerodrome of destination  
**ADF:** automatic direction finder  
**ADI:** attitude director indicator / aerodrome information  
**ADIZ:** air defence identification zone  
**ADJ:** adjacent  
**ADM:** administration  
**ADNC:** air defence notification center  
**ADR:** advisory route  
**ADS:** advisory services / air data system / automatic dependent surveillance  
**ADT:** approved departure time  
**ADU:** advisory display unit  
**ADV:** advisory area  
**ADZ:** advise  
**A/EREC:** auto erection  
**AEA:** association of european airlines  
**AEIS:** aeronautical enroute information service  
**AER:** approach end runway  
**AERADIO:** air radio  
**AERO:** aviation routine weather report (in code)  
**AERO:** aerodrome  
**AEW:** airborne early warning  
**AF:** automatic fixed / air force  
**A/FD:** airport/facility directory  
**AFB:** air force base  
**AFC:** automatic frequency control  
**AFCS:** automatic flight control system  
**AFDS:** autopilot flight director system  
**AFI:** africa region  
**AFIL:** flight plan filed in the air  
**AFIS:** aerodrome flight information service  
**AFI:** above field level / actual flight level  
**AFM:** aeroplane flight manual / affirm  
**AFN:** ATS facility notification  
**AFP:** ATS flight plan  
**AFR:** actual fuel remaining  
**AFS:** auto flight system / air force station  
**AFSS:** automated flight service station  
**AFT:** after ( time or place )  
**AFT:** rear part  
**AFTN:** aeronautical fixed telecommunication network  
**A/G:** air to ground  
**AGA:** aerodromes, air routes and ground aide  
**AGCS:** air ground communication system  
**AGDL:** air ground data link  
**AGL:** above ground level  
**AGN:** again  
**AGNIS:** azimuth guidance for nose-in stand  
**A/H:** alter heading / air hostess  
**AH:** ampere hours  
**AHRS:** attitude and heading reference system  
**AHRU:** attitude and heading reference unit  
**A/I:** anti-icing  
**AIC:** aeronautical information circular  
**AIL:** aileron  
**AIM:** airman's information manual  
**AIM:** aeronautical information manual  
**AIS:** area inertial navigation system  
**AIP:** aeronautical information publication  
**AIRAC:** aeronautical information regulation and control  
**AIREP:** air report  
**AIS:** aeronautical information service  
**AIS-C:** aeronautical information service center  
**AL:** auto land  
**ALA:** authorized landing area / alighting area  
**ALAR:** approach and landing accident reduction  
**ALNOT:** alert notice  
**ALS:** approach light system / automatic landing system  
**ALSF:** approach light system with sequenced flashing light  
**ALT:** altitude  
**ALTM:** altimeter  
**ALTN:** alternate (aerodrome) / alternating  
**ALTRV:** altitude reservation  
**AM:** ante meridiem (for midday)  
**AM:** amplitude modulation  
**AMA:** area minimum altitude  
**AMC:** automatic mixture control / airspace management cell  
**AMD:** amendment / amend / amended  
**AMDT:** amendment  
**AMP:** amperes / ampere  
**AMS:** aeronautical mobile service  
**AMSL:** above mean sea level  
**AMT:** average magnetic track  
**AN/CDU:** alternate navigation CDU  
**ANC:** aeronautical chart  
**ANCS:** aeronautical chart small scale  
**ANM:** ATFM: notification message  
**ANN:** annunciator  
**ANS:** area navigation system  
**ANT:** antenna  
**AO:** airline operator  
**AO1:** automated obs without precipitation discriminator (rain/snow)  
**AO2:** automated obs with precipitation discriminator ( rain / snow)  
**AO2A:** automated obs with manual (human) augmentation  
**AOA:** angle of attack / ACARS over AVLC  
**AOBT:** actual off block time  
**AOC:** aerodrome obstruction chart (approach)/ airline operational control  
**AOE:** aerodrome of entry  
**AOM:** aircraft operations manual  
**AOPA:** aircraft owners and pilots association  
**A&P:** aircraft technician  
**A/P:** assisting pilot / air purser  
**AP:** airport / auor pilot  
**AP:** automatic portable  
**APAPI:** abbreviated precision approach path indicator  
**APC:** area positive control  
**APCH:** approach  
**APD:** approach progress display  
**APDC:** aircraft parking-docking chart  
**APIS:** aircraft parking and information system  
**APL:** approach lights  
**APN:** apron  
**APP:** approach control office or approach control / approach control service  
**APP:** approach  
**APR:** april / aircraft position report  
**APRNT:** apparent

**APRT:** airport  
**APRX:** approximate or approximately  
**APSI:** aircraft taxiing and parking stands information  
**APT:** airport  
**APU:** auxiliary power unit  
**APV:** approve / approval  
**AR:** aspect ratio  
**ARC:** area chart  
**ARCAL:** aircraft radio control of aerodrome lighting system  
**ARCC:** aeronautical rescue coordination center  
**ARCID:** aircraft identification  
**ARFOR:** area forecast  
**ARO:** air traffic services reporting office  
**ARP:** aerodrome reference point  
**ARP:** routine air report with AIREP  
**ARPT:** airport  
**ARR:** arrive or arrival  
**ARR:** air route surveillance radar system  
**ARS:** special air-report with AIREP  
**ARSC:** aeronautical rescue subcenter  
**ARSR:** air route surveillance radar  
**ARST:** arresting  
**ARTCC:** air route traffic control center  
**ARTS:** automated radar terminal system  
**ARTTC:** airroute traffic control center  
**A/S:** airspeed / air steward  
**AS:** airspeed / altostratus  
**ASAP:** as soon as possible  
**ASC:** ascent to / ascending to  
**ASD:** accelerate stop distance  
**ASDA:** accelerate stop distance available  
**ASDE:** airport surface detection equipment  
**ASE:** altimeter system error  
**ASF:** airspeed factor  
**ASF:** additional secondary factor  
**ASL:** above sea level  
**ASI:** airspeed indicator  
**ASIA:** asia region  
**ASIR:** aerodrome special information and regulations  
**ASM:** aircraft serviceability message / airspace management  
**ASMI:** aerodrome surface movement indicator  
**ASOS:** automated surface observation station  
**ASP:** audio selector panel  
**ASPH:** asphalt  
**ASR:** airport safety report  
**ASR:** airport surveillance radar  
**ASR:** altimeter setting region  
**ASSW:** associated with  
**ASU:** air starter unit  
**ASYM:** asymmetrical / asymmetry  
**AT:** auto throttle  
**AT...:** at ... (time UTC)  
**ATA:** actual time of arrival / assigned time of arrival  
**ATA:** actual time of arrival  
**ATA:** air transport association.  
**ATC:** air traffic control  
**ATCAA:** air traffic control assigned airspace  
**ATCC:** air traffic control center  
**ATCCC:** air traffic control command center  
**ATCRBS:** air traffic control radar beacon system  
**ATCT:** air traffic control tower

**ATD:** actual time of departure / assigned time of departure  
**ATE:** actual time en-route  
**ATE:** automatic test equipment  
**ATF:** aerodrome traffic frequency  
**ATFM:** air traffic flow management  
**ATIR:** air traffic incident report  
**ATIS:** automatic terminal information service  
**ATM:** air traffic management  
**ATN:** aeronautical telecommunication network  
**ATO:** actual time over  
**ATOT:** actual take off time  
**ATP:** at..... time or place  
**ATP:** airline transport pilot  
**ATPL:** air transport pilot license  
**ATR:** airline transport rating  
**ATS:** air traffic services  
**ATSR:** air traffic safety report  
**ATSU:** air trafik service unit  
**ATT:** attitude  
**ATTN:** attention  
**ATTND:** attendant  
**ATZ:** aerodrome traffic zone  
**ATZ:** air traffic control zone  
**AUG:** august  
**AUP:** airspace use plan  
**AUTO:** automatic  
**AUTO:** observation by automated station/ASOS or AWOS  
**AUW:** all up weight  
**AUX:** auxiliary  
**Av:** average  
**AVA:** government civil aviation authority  
**AVAIL:** available  
**AVASIS:** abbreviated VASIS  
**AVBL:** available / availability  
**AVG:** average  
**AVGAS:** aviation gasoline  
**AVLC:** aviation VHF link control  
**AWOP:** all weather operation  
**AWOS:** automated weather observing station  
**AWW:** severe weather forecast alert  
**AWY:** airway  
**AZM:** azimuth

## B

**b:** wing span  
**B:** ATC airspace classification B / blue  
**B...:** began at ... (time)  
**BA:** braking action  
**BARO:** barometric  
**BASE:** cloud base  
**BB-LLZ:** backbeam localizer  
**B/C:** braking coefficient  
**BC:** back course / autopilot beam coupler / patches  
**BCFG:** fog patches  
**BCM:** back course marker  
**BCN:** beacon  
**BCOB:** broken clouds or better  
**BCST:** broadcast  
**BDRY:** boundary  
**BECMG:** becoming  
**BF:** beauforts vindskala  
**BFO:** beat frequency oscillator  
**BHP:** brake horse power

**BINOVC:** breaks in overcast  
**BIT:** built in test  
**BI TE:** built in test equipment  
**BKGRD:** background  
**BKN:** broken (5/8 - 7/8)  
**BL:** blowing / regulations for civil aviation  
**BLDG:** building  
**BLDU:** blowing dust  
**BLO:** below clouds  
**BLPY:** blowing sea spray  
**BLSA:** blowing sand  
**BLSN:** blowing snow  
**BLSY:** blowing spray  
**BLW:** below  
**BM:** backbeam marker  
**BO:** burn off  
**BOH:** break-off height  
**BOLDS:** boroughs optical lens docking system  
**BOMB:** bombing  
**BR:** mist  
**BRD:** brakemeter-dynamometer  
**BRF:** short (used to indicate the type of approach desired or required)  
**BRF:** briefly = tempo  
**BRG:** bearing  
**BRG/DIS:** bearing / distance  
**BRK:** brake  
**BRKG:** breaking  
**BRT:** bright  
**BS:** commercial broadcasting station  
**BSFC:** brake specific fuel consumption  
**BTL:** between layers  
**BTN:** between  
**BWR:** basic weather report

## C

**°C:** degrees celsius  
**C1:** coefficient of lift (local)  
**C:** air space classification C / chord / continuous (H24) / centre / circling / central  
**C...:** controlled firing area  
**C/A:** coure acquisition / cabin attendant  
**CAA:** civil aviation administration / civil air administration  
**CAB:** civil aeronautics board  
**CADF:** central airspace data function  
**CAE:** control area extension  
**CANPA:** constant angle non precision approach  
**CAP:** civil air patrol / capacity  
**CAPT:** captain  
**CAR:** caribbean region  
**CARS:** community aerodrome radio station  
**CAS:** calibrated airspeed  
**CAT:** clear air turbulence / category  
**CAVOK:** ceiling and visibility OK  
**CB:** cumulonimbus  
**CB, C/B:** circuit breaker  
**CBMAM:** cumulonimbus mamatus cloud  
**CBT:** computer based training  
**CC:** color coded / cirrocumulus / counter-clockwise change of wind direction  
**CCA:** first - corrected message  
**CCB:** second - corrected message

**CCFP:** computer company flight plan  
**CCL:** convective condensation level  
**CCSL:** cirrocumulus lenticularis  
**CWV:** counter clockwise  
**CD:** coefficient of drag  
**CD:** candela  
**DA:** continuous decent approach / current data authority  
**CDC:** central departure control  
**CDI:** course deviation indicator  
**CDL:** configuration deviation list  
**CDP:** compressor discharge pressure  
**CDR:** conditional route / commander  
**CDT:** central daylight time  
**CDU:** control and display unit  
**CEIL:** ceiling  
**CF:** company fuel / contingency fuel  
**CFE:** coast out fix estimate  
**CFG:** confirming  
**CFI:** certified flight instructor  
**CFIT:** controlled flight into terrain  
**CFI:** cleared flight level  
**CFM:** confirm  
**CFMU:** central flow management unit  
**CFP:** company flight plan  
**CFR:** crash fire fighting rescue service  
**CG:** center of gravity  
**CGAF:** coast guard air facility  
**CGAS:** coast guard air station  
**CGI:** chief ground instructor  
**CGL:** circling guidance lights  
**CH:** compass heading / channel  
**CHC:** chance (= prob)  
**CHG:** change / changed / modification  
**CHINO:** cloud-height / sky condition at secondary location not available  
**CHR:** chronograph  
**CI:** cirrus  
**CIDIN:** common ICAO data interchange network  
**CIG:** ceiling  
**CIGNO:** no ceiling  
**CIO:** close in obstacle  
**CIT:** compressor inlet temperature  
**CIT:** near or over large town  
**CIV:** civil  
**CK:** check  
**CKLST:** check list  
**C/L:** check list  
**CL:** center line / chart length  
**CL:** coefficient of lift (total)  
**CLA:** clear type of ice formation / oceanic clearance readback (datalink) / clear / no clouds below ...  
**CLB:** climb  
**CLBR:** calibration  
**CLC:** course line computer  
**CLD:** cloud  
**CLG:** ceiling / calling  
**CLL:** center-line lights  
**CLN:** cancel  
**CLNC DEL:** clearance delivery  
**CLP:** climb out procedure  
**CLR:** clear / cleared to / clearance  
**CLRD:** runway(s) clear of ice and snow / cleared  
**CLSD:** closed  
**CLX:** oceanic clearance uplink (datalink)  
**CM:** centimeter  
**CMB:** climb  
**CMNPS:** canadian minimum navigation performance specification

**CMPL:** completion / completed / complete  
**CMPT:** computer  
**CN:** compass north  
**CNF:** computer navigation fix  
**CNL:** cancel / cancelled  
**CNS:** communication navigation surveillance / continuous  
**CNX:** cancelled  
**CofA:** certificate of airworthiness  
**CO:** carbon monoxide / county  
**CO<sub>2</sub>:** carbon dioxide  
**COBT:** calculated off block time  
**COG:** center of gravity  
**COIF:** copenhagen information  
**COM:** communications  
**COMLO:** compass locator  
**COMP:** compressor / component / company  
**CON:** continuous / consol  
**CONC:** concrete  
**COND:** conditions  
**CONFIG:** configuration  
**CONS:** continuous (lightning)  
**CONST:** construction  
**CONT:** continue or continued  
**CONV:** convergence  
**COOR:** coordinates  
**COP:** change over point / climb out procedure / cabin operations manual  
**COR:** correct / corrected / correction  
**CORRECT:** correction  
**COSMOS:** computer supported management of flight operation systems  
**COT:** climb on track / at the coast  
**COV:** cover / covered / covering  
**CP:** center of pressure / critical point  
**CP:** command post  
**CPDLC:** controller pilot data link communication  
**CPL:** company planning limit / auto pilot coupling / commercial pilot license / current flight plan  
**CPT:** clearance / cockpit procedure training  
**CPU:** central processing unit  
**CRAM:** conditional route availability message  
**CRIT:** critical  
**CRM:** collision risk model  
**CRP:** compulsory reporting point  
**CRS:** course / contingency routing scheme  
**CRZ:** cruise / cruise system  
**CRZ ALT:** cruise altitude  
**C/S:** sunset (=SS)  
**C/S, CS:** call sign  
**CS:** cirrostratus / general communication station  
**CSD:** constant speed drive  
**CS:** cockpit system simulator  
**CS/T:** combined station/tower  
**CTA:** control area  
**CTAF:** common traffic advisory frequency  
**CTAM:** climb to and maintain  
**CTC:** contact  
**CTL:** control  
**CTN:** caution  
**CTO:** calculated time over  
**CTOT:** calculated take-off time  
**CTR:** control zone  
**CTT:** crew time table

**CU:** cumulus  
**CUF:** cumuliform  
**CUST:** customs  
**CUT:** company utility channel  
**CVFP:** charted visual flight procedure  
**CVFR:** controlled VFR  
**CVR:** cockpit voice recorder  
**CW:** clockwise / clockwise change of wind direction / continuous wave / carrier wave  
**CWA:** center weather advisory  
**CWY:** clearway  
**CY:** copy

**D**

**D:** drag / air space classification ID / down (recent RVR tendency)  
**D...:** danger area (no.)  
**D:** day / daily  
**D/A:** digital to analog  
**D.LONG:** difference in longitude  
**DA:** danish / decision altitude / drift angle  
**DA/H:** decision altitude/height  
**Db:** decibel (noise level)  
**DC:** direct current  
**DCA:** director civil aviation  
**DCDU:** data communication display unit  
**DCKG:** docking  
**DCP:** designated check point  
**DC:** direct  
**DD:** drift down procedure  
**DE:** declination / decrease / december  
**DECCA:** decca navigation system  
**DECEL:** decelerate  
**DECR:** decrease / decreasing  
**DEG:** degrees  
**DEL:** delete  
**DENEB:** fog dispersal being carried out  
**DEP:** depart / departure / departure control  
**DEPT:** departure  
**DER:** departure end of runway  
**DES:** descent to ..(descending) to  
**DEST:** destination  
**DETRESFA:** distress phase  
**DEV:** deviation / deviating  
**DEWIZ:** distant early warning identification zone  
**DF:** direction finder  
**DFDR:** digital flight data recorder  
**DFGS:** digital flight guidance system  
**DFTI:** distance from touchdown indicator  
**DG:** directional gyro  
**DGCA:** director general civil aviation  
**DGR:** degraded / dangerous goods regulations  
**DH:** decision height / dead heading  
**DHC:** dead head crew  
**D/I:** de-icing fluid  
**DIF:** diffuse (cloud base)  
**DIFF:** differential  
**DISPL:** displaced  
**DIR:** direct  
**DISCH:** discharge  
**DISCONT:** discontinued  
**DIST:** distance / distance, phenomenon not at station but in vicinity  
**DLA:** delay / delayed

**DLI:** dead load index  
**DLK:** datalink  
**DLV:** delivery  
**DLY:** daily  
**DME:** distance measuring equipment  
**DME/P:** precision distance measuring equipment  
**DMI:** danish meteorological institute  
**DMO:** dependent meteorological office  
**DN:** down  
**DNG:** danger / dangerous  
**DOC:** document / designated oprational coverage  
**DOF:** date of flight  
**DOI:** dry operating index  
**DOM:** domestic  
**DOP:** doppler  
**DOR:** designated operational range  
**DOW:** dry operating weight  
**DP:** decision point / dew point temperature  
**DPT:** depth  
**DR:** dead reckoning (position) / departure route / low drifting (max. 2 meters)  
**DRDU:** low drifting dust  
**DRG:** during  
**DRSA:** low drifting sand  
**DRSN:** low drifting snow  
**DS:** dust storm  
**DSB:** dispatch  
**DSNT:** distant, > 10 SM from OBS point  
**DSPL:** display / displaced  
**DSRTK:** desired track  
**DST:** daylight saving time  
**DTAM:** descent to and maintain  
**DTG:** distance to go / date-time group  
**DTHR:** displaced runway treshold  
**DTK:** desired track  
**DTRT:** deteriorate / deteriorating  
**DTW:** dry tank weight / dual tandem wheels  
**DU:** widespread dust  
**DUAT:** direct user access terminal  
**DUC:** dense upper cloud  
**DUR:** duration  
**DVOR:** doppler VOR  
**DW:** dual wheels  
**DZ:** drizzle

## E

**E:** east / eastern longitude / air space classification ID / emergency  
**E..:** ended at ...(time)  
**Ea:** east asia  
**EAA:** expermental aircraft association  
**EAC:** expected approach clearance  
**EAD:** european AIS database  
**EADI:** electronic attitude director indicator  
**EARTS:** en-route automated radar tracking system  
**EAS:** equivalent airspeed  
**EASA:** european air safty association  
**EAT:** expected approach time  
**EATCHIP:** european ATC harmonization and integration program  
**EB:** eastbound  
**ECAC:** european civil aviation conference  
**ECON:** economic

**ECTL:** eurocontrol  
**ECU:** electronic control unit  
**E/D:** end of decent  
**EDP:** electronic data processing  
**EEE:** error  
**EET:** estimated elapsed time  
**EFAS:** electronic flash approach system lighting / en-route flight advisory service  
**EFAS:** enroute flight advisory service  
**EFCL:** expected further clearance time  
**EFCLP:** engine failure climb out procedure  
**EFF:** effective  
**EFIS:** electronic flight instrument system  
**EFL:** etterretning for luffarende / estimated flight level  
**EFP:** engine failure pattern  
**EFR:** estimated fuel remaining  
**EGT:** exhaust gas temperature  
**EGPWS:** enhanced ground proximity warning system  
**EHF:** extremely high frequency  
**EHSI:** electronic horizontal situation indicator  
**ELBA:** emergency location beacon aircraft  
**ELDT:** estimated landing time  
**ELEV:** elevation  
**ELR:** extra long range  
**ELT:** emergency locator transmitter  
**EM:** type of emission / exempted  
**EMBD:** embedded  
**EMER:** emergency  
**EMSAW:** en-route minimum safe altitude warning  
**EN:** english  
**ENE:** east-north-east  
**ENG:** engine  
**ENR:** en-route  
**ENRC:** en-route chart  
**ENRT:** en-route  
**ENT:** entry  
**EOBD:** estimated off block date  
**EOBT:** estimated off-block time  
**EPNdB:** effective perceived noise decibels  
**EPP:** emergency plans and procedures  
**EQPT:** equipment  
**ER:** extended range  
**ERA:** ETOPS en-route alternates  
**ERR:** error message  
**ERT:** estimated ramp time  
**ESAD:** equivalent still air distance  
**ESARR:** euro control safety regulatory requirement  
**ESE:** east-south-east  
**EST:** estimate /estimated / estimated time over significant points  
**ET:** elapsed time  
**ETA:** estimated time of arrival  
**ETD:** estimated time of departure  
**ETE:** estimated time en-route  
**ETO:** estimated time over significant point  
**ETOPS:** extended twin operation  
**ETOT:** estimated time of take off  
**ETP:** equal time point  
**ETW:** empty tank weight  
**EUM:** european mediterranean region  
**EUR:** european region  
**EUROCAE:** european organization for civil aviation equipment

**EV:** every  
**EWCG:** empty weight center of gravity  
**EXC:** except  
**EXER:** exercises / exercisind / to exercise  
**EXH:** exhaust  
**EXP:** expect / expecting  
**EXT-PWR:** external power  
**EXT:** external / exterior  
**EXTD:** extend / extending  
**EXTIN:** extinguish/extinguished  
**EXTING:** extinguishing  
**EZFW:** estimated zero fuel weight

## F

**f.p.s.:** feet per second  
**°F:** degrees fahrenheit  
**F:** air space classification ID / fixed / frequency  
**F/A:** flight attendant  
**F-PLN:** flight plan  
**FA:** data designator for GAMET message / area forecast  
**FAA:** flight advisory area / federal aviation administration / agency  
**FAC:** facilities / final approach course  
**FAF:** final approach fix  
**FAIL:** failure / failed  
**FAL:** facilitation of international air transport  
**FAM:** family of frequencies  
**FANS:** future air navigation system  
**FAP:** final approach point  
**FAR:** federal aviation regulation  
**FAS:** final approach segment  
**FAT:** final approach track  
**FATO:** final approach and take-off area  
**FAWP:** final approach way point  
**FAx:** facsimile transmission(of MET- charts) / fax  
**FBL:** light  
**FBW:** fly-by-wire  
**+FC:** tornado/waterspout  
**FC:** friction coefficient / flight captain / data designator for 9 HR TAF / funnel cloud (+FC = tornado or waterspout)  
**FCG:** flight control computer / chief pilot  
**FCL:** flight crew licensing  
**FCM:** flight confirmation message  
**FCOM:** flight crew operating manual  
**FCP:** final control point / fleet chief pilot  
**FCST:** upper air forecast  
**FCT:** friction coefficient  
**FD:** winds and temperature aloft forecast / flight director  
**FDAU:** flight data acquisition unit  
**FDB:** flight deck bulletin  
**FDR:** flight data recorder  
**FDS:** flight director system / fog dispersal system  
**FDSU:** flight data storage unit  
**F/E:** flight engineer  
**FE:** flight examiner  
**FEATH:** feathered / feathering  
**FEB:** february  
**FEFI:** flight environment fault indication  
**FEW:** few (1/8 or 2/8 )  
**FF:** fuel flow  
**FG:** fog  
**FI:** flight instructor

**FIG:** flight information center  
**FIO:** flight information office  
**FIR:** flight information region  
**FIRST:** 1st. OBS after a break in coverage  
**FIS:** flight information service  
**FISA:** automate flight information service  
**FIT:** front intertropical  
**FK:** data designator for tropical cyclone advisory messages  
**FL:** flight level  
**FLD:** field  
**FLG:** flashing  
**FLR:** flares  
**FLS:** flight suspension message  
**FLT:** flight  
**FLTA:** forward looking terrain avoidance  
**FLTCK:** flight check  
**FLT DIR:** flight director  
**FLUC:** fluctuating / fluctuated (cloud base)  
**FLW:** follow / following  
**FLY:** fly / flying  
**FM:** frequency modulation / fan marker / flight manual / from ... (time UTC)  
**FMP:** flow management position  
**FMS:** flight management system / flight monitoring system / flow management system  
**FMU:** fuel management unit / flow management unit  
**FNA:** final approach  
**FO:** first officer  
**FOA:** flight operations assistant  
**FOB:** fuel on board  
**FOD:** foreign object damage  
**FOM:** flight operations manual  
**FOMS:** flight operations management system  
**FOO:** flight operations officer  
**FOQS:** flight operations quality system  
**FOR:** flight occurrence report  
**FOS:** flight operations software  
**FP:** full flight plan (ATS) / flying pilot  
**FLP:** filled flight plan message designator  
**FLPN:** full computer flight plan / flight plan route  
**FPM:** feed per minute / flight plan message  
**FPR:** flightplan routing  
**FQT:** frequent (lightning)  
**FR:** fuel remaining  
**FREQ:** frequency  
**FRI:** friday  
**FRNG:** firing  
**FROPA:** passage of front  
**FRQ:** frequent (lightning)  
**FSL:** full stop landing  
**FSM:** flight system message (datalink)  
**FSR:** flight safety report  
**FSS:** flight service station  
**FST:** first  
**FT:** feed / foot / terminal forecast / data designator for 18/24 or 24 HR TAF  
**FTO:** final take off  
**FTR:** flexible track route  
**FTS:** flexible track system / flight test standard manual  
**FU:** fuel used / smoke  
**FUA:** flexible use of airspace  
**F-V-T:** from - via - to

**FV:** data designator for volcanic ash advisory messages  
**FWD:** forward  
**FZ:** freezing  
**FZDZ:** freezing drizzle  
**FZFG:** freezing fog  
**FZRA:** freezing rain  
**FZRANO:** freezing rain information not available

## G

**g:** gravity acceleration (earth) gram  
**g.p.h.:** gallons per hour  
**G:** air space classification ID / green / gust (maximum wind speed)  
**G°:** degrees grid  
**G-LOC:** G induced loss of consciousness  
**G/A:** ground to air / go around  
**G/A/D:** ground to air and air to ground  
**GA:** go around / general aviation / go ahead  
**GAD:** general arrival and departure information on aerodrome  
**GADO:** general aviation district office  
**GAFOR:** low level VFR coded enroute weather forecast  
**G/A/G:** ground to air and air to ground  
**GAL:** gallon  
**GAMET:** area forecast for low level flights  
**GAT:** general air traffic  
**GC:** great circle  
**GCA:** ground controlled approach  
**GCO:** ground communications outlet  
**GD:** greenwich date / total ground distance in nm  
**G/E:** ground engineer  
**GEN:** general / general declaration / generator  
 **GEO:** geographic or true  
**GES:** ground earth station  
**GHT:** glide path height over threshold  
**GLD:** glider  
**GLONASS:** global orbiting navigation satellite system  
**GMC:** ground movement chart  
**GMT:** greenwich mean time  
**GN:** grid north  
**GNC:** global navigational chart  
**GND:** ground / relative to ground / ground control  
**GNDCH:** ground check  
**GNSS:** global navigation satellite system  
**GP:** glide path  
**GPH:** gallons per hour  
**GPI:** ground point of interception  
**GPS:** global positioning system  
**GPU:** ground power unit  
**GPWS:** ground proximity warning system  
**GR:** hail or soft hail > 5 mm  
**GRASS:** grass landing area  
**GRADU:** gradually, gradual change  
**GRD:** ground  
**GRIB:** code for MET grid point data encoded in binary form  
**GRIV:** grivation  
**GRM:** RMS glide slope  
**GRT:** grip tester  
**GRVL:** gravel  
**G/S:** glide slope

**GS:** ground speed / small hail and / or snow pellets < 5 mm / glide slope  
**GSA:** glide slope intercept altitude  
**GSP:** ground speed proceed  
**GSPD:** ground speed  
**GSR:** ground speed return  
**GT:** grid track  
**GUND:** geoid undulation  
**GW(T):** gross weight  
**GWC:** gross weight chart  
**GYSYN:** gyrosyn compass system

## H

**H:** high intensity / high level altitude / helicopter / hour  
**H+:** minutes past the hour  
**H24:** continuous day and night service  
**Hg:** mercury  
**HAA:** height above airport  
**HAD:** service hours at aerodrome  
**HAL:** height above landing  
**HALS:** high approach landing system  
**HAPI:** helicopter approach path indicator  
**HAT:** height above touchdown  
**HC:** critical height  
**HCL:** havarikommissionen for civil luft-fart  
**HDF:** high frequency direction finding station  
**HDG:** heading  
**HDG HOLD:** heading hold  
**HDG SEL:** heading select  
**HDLG:** handling  
**HEL:** helicopter  
**HEN:** hazard beacon  
**HF:** high frequency (3 - 30 Mhz)  
**Hg:** mercury  
**HGD:** heading  
**HGT:** height / height above  
**HI:** high intensity (light) / high (altitude)  
**HIALS:** high intensity approach light system  
**HINT:** high intensity  
**HIRL:** high intensity runway edge light  
**HIRO:** high intensity runway operation  
**HIS:** heliport information service  
**HIWAS:** hazardous in-flight weather advisory service  
**HJ:** sunrise to sunset/day service  
**HL:** high level / high and low intensity lights  
**HLD:** hold  
**HLDG:** holding  
**HMR:** helicopter main route  
**HN:** sunset to sunrise/night service  
**HO:** service available to meet operational requirements  
**HOL:** holiday  
**HORIZ:** horizontal  
**HOSP:** hospital aircraft  
**HO:** hold over time  
**HP:** holding pattern  
**HPA:** hectopascal  
**HRP:** helicopter protected zone  
**HR:** hours  
**HRTZ:** high intensity radio transmission zone  
**HS:** service available during hours of scheduled operations  
**HSC:** high speed cruise

**HSI:** horizontal situation indicator  
**HST:** high speed taxiway turn off  
**HT:** height  
**HTG:** heating  
**HTR:** heater  
**HTZ:** helicopter traffic zone  
**HUD:** head-up-display  
**HURCN:** hurricane  
**HVDF:** high and very high frequency direction finding station  
**HVOR:** high altitude VOR  
**HVY:** heavy  
**HWC:** head wind componen  
**HX:** irregular working hours / no specific working hours  
**HYD:** hydraulic  
**HYR:** irregular working hours  
**Hz:** hertz (cycles per second)  
**HZ:** haze / dust haze

## I

**IA:** intermediate altitude  
**IAA:** initial approach altitude  
**IAC:** instrument approach chart  
**IAP:** initial approach fix  
**IAL:** instrument approach to land procedure / instrument approach and landing chart  
**IALTN:** intermediate alternate aerodrome  
**IAO:** in and out of clouds  
**IAP:** instrument approach procedure  
**IAR:** intersection of air routes  
**IAS:** indicated air speed  
**IATA:** international air transport association  
**IAWP:** initial approach way point  
**IBN:** identification beacon  
**IC:** diamond dust ( ice crystals in suspension )  
**ICAO:** international civil aviation organization  
**ICE:** icing  
**ID:** identifier / identify  
**IDENT:** identification  
**IDT:** ident  
**I.E.:** that is  
**IEPR:** integrated engine pressure ratio  
**IF:** intermediate approach fix / intermediate frequency  
**IFBP:** in flight broadcasting procedure  
**IFF:** identification friend or foe  
**IFIM:** international flight information manual  
**IFIS:** integrated flight instrumentsystem  
**IFPS:** integrated initial flight plan  
**IFR:** instrument flight rules  
**IFSS:** in flight service station  
**IGA:** international general aviation  
**IGN:** ignition  
**IGS:** instrument guidance system  
**IHP:** indicated horsepower  
**IIS:** integrated guidance system  
**ILLUM:** illuminate/illuminated  
**ILM:** independent landing monitor  
**ILS:** instrument landing system  
**IM:** inner marker

**IMC:** instrument meteorological conditions  
**IMG:** immigration / imperial gallons  
**IMP:** imperial  
**IMPR:** improve / improving  
**IMT:** immediate / immediately  
**IMTA:** intensive military training area  
**IMU:** inertial navigation  
**IN:** inch / inches / inertial navigation  
**INA:** initial approach  
**INB:** inbound  
**INBD:** inbound  
**INC:** incorporated / in clouds / increase  
**INCERFA:** uncertainty phase  
**INCL:** including / inclusive  
**INCR:** increase / increasing  
**IND:** indicator  
**INDEFLY:** indefinitely  
**INF:** below (=BLW)  
**INFLT:** in flight  
**INFO:** information  
**IN/HG:** inches of mercury  
**INH:** inhibit  
**INO:** indian ocean  
**INOP:** inoperative  
**INP:** if not possible  
**INPR:** in progress  
**INS:** inches / inertial navigation system  
**INST:** instrument  
**INSTL:** install / installation / installed  
**INSTR:** instruction / instrument  
**INT:** interphone / intersection  
**INTER:** intermittent  
**INT:** intersection  
**INTCP:** intercept  
**INTL:** international  
**INTRG:** interrogator  
**INTRP:** interrupt / interruption  
**INTSF:** intensity / intensifying  
**INTST:** intensity  
**INU:** inertial navigation unit  
**INV:** inverter  
**IOAT:** indicated outside air temperature  
**IOBT:** initial estimated off block time  
**IPL:** intial program load  
**IR:** ice on runway / instrument restricted controlled airspace / infra-red / instrument rating  
**IRS:** inertial reference system  
**IRT:** individual runway take-off chart  
**IRVR:** instrument runway visual range  
**ISA:** international standard atmosphere  
**ISDU:** inertial system display unit  
**ISLU:** isolation  
**ISO:** instead of / international organization for standardization  
**ISOL:** isolated / isolation  
**ISS:** inertial sensor system  
**ISU:** inertial sensor unit  
**ITCZ:** intertropical convergence zone  
**ITF:** intertropical front  
**ITT:** initial true track / interstage turbine temperature  
**I/V:** instrument / visual controlled airspace  
**IVSI:** instantaneous vertical speed indicator  
**IWP:** intermediate way point  
**IXR:** intersection of runways

## J

**JAA:** joint aviation authorities  
**JAN:** january  
**JAR:** joint aviation requirements  
**JATO:** jet assisted take off  
**JB:** jet barrier / crash barrier  
**JBI:** james brake index number  
**JET:** jet aircraft  
**JTST:** jet stream  
**JUL:** july  
**JUN:** june

## K

**K:** kelvin (degrees)  
**KCAS:** knots, calibrated airspeed  
**KDA:** kongelig dansk aeroklub  
**KEAS:** knots, equivalent airspeed  
**KG:** kilograms  
**KGPH:** kilograms per hour  
**KHZ:** kilo-hertz ( per second )  
**KIAS:** knots, indicated airspeed  
**KM:** kilometers  
**KMH:** kilometers per hour  
**KOL:** kind of operations list  
**KPA:** kilopascal  
**KRM:** RMS localizer  
**KT(S):** knots ( 1,852 km )  
**KTAS:** knots true airspeed  
**KVA:** kilovolt-ampere  
**KVAR:** kilovolt amperes reactive  
**KW:** kilowatts

## L

**L:** lift / left / compass locator / liter / low intensity / low level  
**LA:** local airport advisory  
**LAAS:** low altitude alert system  
**LADH:** landing distance available, helicopter  
**LAHSO:** land and hold short operations  
**LAN:** inland  
**LAND:** landing  
**LARS:** lower airspace radar advisory service  
**LASCR:** light activated silicon control rectifier  
**LAST:** last OBS before a break in coverage  
**LAT:** latitude  
**LATAM:** latin america  
**Lb (LB):** pounds (weight)  
**LBCM:** locator back course marker  
**LBM:** locator back marker  
**LB:** pound  
**Lbs:** pounds (weight)  
**LBA:** lowest blade angle  
**LC:** landing chart  
**LCC:** lorán-c navigational chart  
**LCD:** liquid crystal display  
**LCN:** load classification number  
**LCTR:** locator  
**LD:** local date / landing distance  
**LDA:** landing distance available / localizer type directional aid

**LDAH:** landing distance available helicopter  
**LDC:** landing chart  
**LDG:** landing  
**LDG WT:** landing weight  
**LDI:** landing direction indicator  
**LDIN:** lead in light system  
**LE:** leading edge  
**LEMAC:** leading edge of mean aerodynamic chord  
**LEN:** length  
**LF:** limit load factor / low frequency (30 - 300 Khz)  
**LFR:** low-frequency radio range  
**L/G:** landing gear  
**LGT:** light / lighting  
**LGTD:** lighted  
**LGTH:** length  
**LGW:** landing gross weight  
**LH:** left hand  
**LI:** locator inner / low intensity  
**LIFUS:** line flying under supervision  
**LIFR:** low IFR  
**LIM:** limitation  
**LINT:** low intensity  
**LIH:** light intensity high  
**LIL:** light intensity low  
**LIM:** limit / light intensity medium / locator inner marker  
**LIRL:** low intensity runway lights  
**LIZFW:** loaded index zero fuel weight  
**LL:** low level  
**LLWAS:** low level wind shear alert system  
**LLZ:** localizer (ILS)  
**LM:** locator middle marker  
**LMC:** last minute change  
**LMF:** low medium frequency navigation aid  
**LMH:** localizer middle marker/ locator middle marker  
**LMT:** local mean time  
**LNAV:** lateral navigation / long range navigation  
**LDNGD:** landing  
**LNE:** latest news edition  
**LNG:** long  
**LO:** locator outer marker / low  
**LO-PR:** low pressure  
**LOC:** locally / location / located / localizer / locator  
**LOFT:** line oriented flight crew training  
**LOM:** locator outer marker  
**LONG:** longitude  
**LOP:** line of position  
**LORAN:** long range air navigation system  
**LOX:** liquid oxygen  
**LP:** low pressure  
**LPC:** low pressure compressor  
**LPM:** liter per minute  
**LR:** lead radial  
**LRC:** long range cruise  
**LRG:** long range  
**LRR:** radar ACC service low level  
**LRRA:** low range radio altimeter  
**L/S:** sunrise (=SR)  
**LSA:** low intensity lighting system  
**LSALT:** lowest safe altitude  
**LSB:** high intensity lighting system / lower side band  
**LSQ:** line squall  
**LT:** light / local time

**LTA:** local ATC-area  
**LTD:** limited  
**LTG:** lightning  
**LTGCA:** lightning cloud to air  
**LTGCC:** lightning cloud to cloud  
**LTGCG:** lightning cloud to ground  
**LTGIC:** lightning in cloud  
**LTS:** lights  
**LVE:** leave / leaving  
**LVL:** level  
**LWOR:** low altitude VOR  
**LVP:** low visibility procedures  
**LVTO:** low visibility take off  
**LW:** landing weight  
**LWR:** lower  
**LYR:** in layers / layer / layered

## M

**°M:** degrees magnetic  
**M:** meter / magnetic track/military / manual / mach number / minus (temp.<0°C) / RVR less then reported value / medium intensity  
**Ma:** mach number  
**Mcc:** critical crest mach number  
**Mcrit:** critical mach number  
**Mdiv:** force divergence mach number  
**Mhz:** megahertz  
**Mind:** indicated mach number  
**Mmo:** maximum operating mach number  
**M/R:** moonrise  
**M/S:** moonset  
**MA:** minimum altitude / air mass  
**MAA:** max. authorized altitude  
**MAC:** mean aerodynamic chord  
**MAG:** magnetic  
**HAWP:** missed approach holding way point  
**MAINT:** maintenance  
**MALS:** medium intensity approach light system  
**MALSf:** medium intensity approach light system with sequenced flashing lights  
**MALSr:** medium intensity approach light system with runway indicator light  
**MAM:** managers administration manual  
**MAN:** manual / manually  
**MAP:** missed approach point / aeronautical maps and charts / ground mapping  
**MAPT:** missed approach point  
**MAPSC:** maximum approved passenger seating configuration  
**MAR:** marts  
**MAR:** at sea  
**MAWP:** missed approach waypoint  
**MAX:** maximum  
**MAY:** may  
**MB:** marker beacon / magnetic bearing / millibar  
**Mb:** millibar  
**MBAR:** millibar  
**MBOH:** minimum break off height  
**MBST:** microburst  
**MBZ:** mandatory broadcast zone  
**MC:** master caution  
**MCA:** minimum crossing altitude  
**MCC:** movement control center / multi crew coordination  
**MCDU:** multifunction control and display unit  
**MCFP:** mini computer flight plan  
**MCL:** minimum crossing level  
**MCP:** mode control panel  
**MDA:** minimum descent altitude  
**MDA/H:** minimum descent altitude / height  
**MDF:** medium frequency direction finding station  
**MDH:** minimum descent height  
**MDI:** minimum departure interval  
**MDR:** mental dead reckoning  
**MDT:** mountain daylight time  
**ME:** multi engine  
**MEA:** minimum enroute altitude  
**MED:** medium  
**MEF:** maximum elevation figure  
**MEHT:** minimum pilot eye height over threshold  
**MEL:** minimum equipment list  
**MEML:** memorial  
**MEP:** multi engine piston aeroplane  
**MER:** relative to mean sea level  
**MET:** meteorological / meteorology  
**METAR:** aviation routine actual weather report (in code)  
**METO:** maximum except take-off power  
**MEW:** manufacturer's empty weight  
**MF:** medium frequency (300 -3000 Khz)  
**MFA:** minimum flight altitude  
**MFC:** multi function computer  
**MFL:** national publication in danish only / minimum flight level  
**MH:** magnetic heading / minimum height  
**MHA:** minimum holding altitude  
**MHR:** medium and high frequency direction finding station  
**MHVDF:** medium, high and very high frequency direction finding stations  
**MHz:** megahertz  
**MI:** medium intensity (light) / shallow  
**MIA:** minimum authorized altitude  
**MIALS:** medium intensity approach light system  
**MIC:** microphone  
**MICL:** minimum IFR cruising level  
**MIFG:** shallow fog  
**MID:** middle east region  
**MIL:** miles / military  
**MIN:** minima / minimum / minutes  
**MIRL:** medium intensity runway edge lights  
**MIS:** missing  
**MISAP:** missed approach procedure  
**MISC:** miscellaneous  
**MKR:** marker radio beacon / marker  
**MLM:** maximum landing mass  
**MLS:** microwave landing system  
**MLW:** maximum landing weight  
**MM:** middle marker / millimeter  
**MMEL:** master minimum equipment list  
**MN:** mach number / Magnetic north  
**MNM:** minimum  
**MNPS:** minimum navigation performance specifications  
**MNT:** monitor / monitoring  
**MNTN:** maintain

**MOA:** military operation area  
**MOC:** minimum obstacle clearance  
**MOCA:** minimum obstruction clearance altitude  
**MOD:** modification / moderate  
**MON:** above mountains / monitor / monday  
**MORA:** minimum off-route altitude  
**MOTNE:** meteorological operational telecommunications network, europe  
**MOV:** move/moving /movement  
**MP:** manifold pressure / mini flight plan / main pressure  
**MPA:** multi engine aeroplane  
**MPH:** statute miles per hour (1, 609 km.)  
**MPLN:** mini computer flight plan  
**MPP:** most probable position  
**MPS:** meters per second  
**MPW:** maximum permitted weight  
**M/R:** moonrise  
**MRA:** minimum reception altitude  
**MRC:** maximum range cruise  
**MRDT:** minimum RWY occupancy time  
**MRG:** medium range  
**MRL:** minimum requirement list  
**MROT:** minimum runway occupancy time  
**MRP:** ATS / MET reporting point  
**M/S:** meter per second / moonset  
**MS:** minus  
**MSA:** minimum safe altitude / minimum sector altitude  
**MSAW:** minimum safe altitude warning  
**MSG:** message  
**MSHP:** mishap (aircraft)  
**MSL:** mean sea level, indicated height above mean sea level  
**MSN:** manufacturer serial number  
**MSSR:** monopulse secondary surveillance radar  
**MSU:** mode selector unit  
**MT:** metric ton = 1000 KG. / mountain / magnetic track  
**MTA:** military training area  
**MTC:** minimum terrain clearance altitude  
**MTG:** miles to go  
**MTT:** minimum time track selection  
**MTMA:** military terminal control area  
**MTOM:** maximum take-off mass  
**MTOW:** maximum take-off weight  
**MTR:** military training routes  
**MTU:** metric units  
**MTW:** maximum taxi weight / mountain wave  
**MTWA:** maximum total weight authorized  
**MULTICOM:** frequency used at airports without a tower, FSS or UNICOM  
**MUM:** mu-meter / municipal  
**MUTA:** military upper traffic control area  
**MV:** meteorological visibility  
**MVA:** minimum vectoring altitude  
**MVDF:** medium and very high frequency direction finding station  
**MVFR:** marginal VFR  
**MW:** master warning  
**MWO:** meteorological watch office  
**MX:** mixed type of ice formation  
**MZFW:** maximum zero fuel weight

## N

**n:** load factor  
**N:** north / northern latitude / night / newton / recent RVR tendency - no change  
**N/A:** not applicable  
**NA:** not authorized  
**NAC:** nacelle  
**NADA:** north atlantic data area  
**NAM:** north america region  
**NAP:** noise abatement procedure  
**NAR:** north america routes  
**NAS:** national aircraft standards / national airspace system / naval air station  
**NASA:** national aeronautics and space administration  
**NAT:** north atlantic region  
**NAT OTS:** north atlantic organized track system  
**NATL:** national  
**NATO:** north atlantic treaty organization  
**NATFS:** north atlantic track system  
**NAV:** navigation / navigator  
**NAVAID:** navigational aid  
**NB:** north bound  
**NBFR:** not before  
**NC:** no change / normal cruise  
**NCA:** northern control area  
**NCRP:** non-compulsory reporting point  
**NCU:** NAV. computer unit  
**NDA:** next data authority (datalink)  
**NDB:** non-directional radio beacon  
**NE:** north east  
**NEB:** north-east bound  
**NEG:** negative / no / non correct  
**NEUT:** neutral  
**NEW:** never exceed weight  
**NEWCTOT:** new calculated take-off time  
**NEWEOBD:** new estimated off block date  
**NEWEOBT:** new estimated off block time  
**NEWRT:** new route  
**NGT:** night  
**NH:** northern hemisphere  
**NIL:** none / missing  
**NIV:** level  
**NLFG:** night low flying system  
**NLG:** nose landing gear  
**NM:** nautical mile(s) = 1,852 km  
**NML:** normal  
**NMPG:** nautical miles per gallon  
**NMPH:** nautical miles per hour  
**NMS:** navigation management system  
**NNE:** north north east  
**NNW:** north north west  
**NoPT:** no procedure turn required  
**NO:** number  
**NOF:** international NOTAM office  
**NOP:** noise measuring point  
**NORDO:** no radio (lost communication)  
**NORM:** normal  
**NOSIG:** no significant change  
**NOSPECI:** no SPECT issued  
**NOTAM:** notice to airmen  
**NOV:** november  
**NP:** north pole  
**NPA:** notice of proposed amendment  
**NR:** number  
**NRH:** no reply heard

**NS:** nimbostratus / navel station  
**NSC:** no significant clouds  
**NSW:** no significant weather  
**NTAP:** notices to airman publication  
**NTL:** national  
**NTSB:** national transportation safety board  
**NTW:** network  
**NTZ:** no transgression zone  
**N/W:** nose wheel  
**NW:** north west  
**NWB:** north-west bound  
**NWR:** no weight restriction  
**NWS:** nose wheel steering  
**NXT:** next  
**NYO:** not yet in operation

## O

**O2:** oxygen  
**OAC:** oceanic area control centre  
**OAS:** obstacle assessment surface  
**OAT:** outside air temperature  
**O/B:** on board  
**OBL:** obstruction light  
**OBS:** observer / observe / observed / omni-bearing selection  
**OBSC:** obscure / obscured  
**OBST:** obstruction / obstacle  
**OBT:** off block time  
**OCA:** obstacle clearance altitude / obstacle clearance altitude  
**OCA/H:** obstacle clearance altitude/height  
**OCC:** occulting (light)  
**OCH:** obstacle clearance height  
**OCL:** obstacle clearance limit  
**OCNL:** occasional / occasionally  
**OCS:** obstacle clearance surface  
**OCT:** oktober  
**ODALS:** omni-directional approach light system  
**OEL:** one engine inoperative  
**OEW:** operating empty weight  
**OFIR:** oceanic flight information region  
**OFZ:** obstacle free zone  
**OH:** overhead  
**OIS:** obstacle identification surface  
**OK:** it is correct / we agree  
**OLR:** off loda route  
**OM:** outer marker  
**ONC:** operational navigational chart  
**ONS:** omega navigation system  
**OP:** operation / operate / open  
**OPA:** opaque, white type of ice formation  
**OPC:** operator proficiency check  
**OPMET:** operational meteorological (info.)  
**OPN:** open / opening / opened  
**OPR:** operator / operate / operative / operating  
**OPS:** operations  
**OP.WT.:** operating weight  
**O/R:** on request  
**ORCAM:** originating region code assignment method  
**OSV:** ocean station celled  
**OT:** on test / other times / on test  
**OTLK:** outlook  
**OTP:** on top

**OTR:** oceanic transition route  
**OTS:** organized track structure / out of service  
**OUTB:** outboard  
**OUTBD:** outbound  
**OUTREG:** out of regulation  
**OVBDB:** overboard  
**OVC:** overcast (8/8)  
**OVS:** ocean station vessel  
**OXY:** oxygen

## P

**P...:** prohibited area (followed by no.)  
**P...:** hourly precipitation amount  
**P:** pressure (static) / precision / RVR better than reported value  
**P-time:** proposed departure time  
**Ps:** static pressure  
**Pt:** total pressure  
**PA:** pressure altitude  
**PAA:** protocol aircraft address  
**PAC:** pacific region  
**PAI:** pilotactivated lighting  
**PALS:** precision approach lightning system  
**PANS:** procedures for air navigation services  
**PAPA:** parallax aircraft parking aid  
**PAPI:** precision approach path indicator  
**PAOD:** protocol aircraft operator designator  
**PAR:** precision approach radar / protocol aircraft registration markings  
**PARL:** parallel  
**PATC:** precision approach terrain chart  
**PB:** push button  
**PBE:** protective breathing equipment  
**PBR:** planning based on reclearance  
**PDC:** proceed / proceeding  
**PCL:** pilot controlled lighting  
**PCN:** pavement classification number  
**PDA:** preliminary destination aerodrome  
**PDC:** pre-departure clearance  
**PDG:** procedure design gradient  
**PDI:** pictorial deviation indicator  
**PDP:** pre-determined point  
**PDR:** pre-determined route  
**PE:** ice pellets  
**PEG:** point of equal ground distance  
**PER / PERF:** performance  
**PERM:** permanent  
**PET:** point of equal time  
**PF:** pilot flying  
**PFC:** preflight check  
**PFI:** preflight inspection  
**PFM:** permitted flying route  
**PFT:** periodic flight training  
**PGT:** periodic ground training  
**PIB:** briefing information bulletin  
**PIBAL:** pilot balloon observation  
**PIC:** pilot in command  
**PIO:** pilot induced oscillations  
**PIREP:** pilot report  
**PISTON:** piston aircraft  
**PJE:** parachute jumping exercise  
**PKWND:** peak wind  
**P/L:** position line  
**PL:** ice pellets  
**PLA:** practice low approach

**PLASI:** pulse light approach slope indicator  
**PLD:** planned  
**PLN:** flightplan  
**PN:** prior notice required  
**PNdB:** perceived noise decibel  
**PNDB:** perceived noise decibels  
**PNL:** panel  
**PNO:** precipitation amount not available  
**PLNNG:** flightplanning  
**PLT:** pilot handbook  
**PLVL:** present level  
**PN:** prior notice required  
**PNdB:** perceived noise decibel  
**PNF:** pilot not flying  
**PNR:** point of no return / prior notice required  
**PO:** dust devils / dust or sand whirls  
**POB:** persons on board  
**POD:** point of decision  
**POH:** pilot's operating handbook  
**POE:** point of replanning  
**POS:** position  
**POSS:** possible  
**PP:** pinpoint / descent through cloud  
**PPC:** pilot preflight check  
**PPH:** pounds per hour  
**PPI:** plan position indicator  
**PPO:** prior permission only  
**PPR:** prior permission required  
**PPSN:** present position  
**P/RST:** push to reset  
**PR:** partial, AD partially covered / pilot report  
**PRA:** precision radar approach  
**PRESFR:** pressure falling rapidly  
**PRESRR:** pressure rising rapidly  
**PRESS:** pressure / pressurization  
**PRFG:** AD partially covered by fog  
**PRIM:** primary  
**PRKG:** parking  
**PRM:** pilot route manual / precision runway monitor / pilot recruitment manual  
**PROB:** probability  
**PROC:** procedure / proceed  
**PROG:** forecast / forecast chart  
**PROJ:** projection  
**PROP:** propeller (aircraft)  
**PROT:** protection  
**PROV:** provisional  
**PROX:** proximity  
**PRT:** power recovery turbine  
**PRV:** pressure regulating valve  
**P/S:** pitot/static  
**PS:** plus (+)  
**PSEU:** proximity switch electronic unit  
**PSG:** passing  
**PSGR:** passenger(s)  
**PSI:** pounds per square inch  
**PSIA:** pounds per square inch, absolute  
**PSIG:** pounds per square inch gage  
**PSL:** protocol standard location  
**PSN:** position  
**PSP:** pierced steel planking  
**PSR:** primary surveillance radar  
**P TO C:** push to cancel  
**P TO T:** push to talk  
**PT:** point / procedure turn  
**PT (TCAS):** proximity traffic  
**PTA:** proposed time of arrival  
**PTD:** proposed time of departure  
**PTN:** procedure turn

**PTS:** polar track system  
**PTT:** push to talk / push to test  
**PVM:** propeller valve module  
**PVR:** pilots voyage report  
**PVT:** private operator  
**PW:** Pratt & Whitney  
**PWINO:** precipitation identifier not available  
**PWR:** power  
**PY:** spray

## Q

**Q:** identifier for QNH reported in Hpa  
**QAH:** cruising level  
**QAM:** aerodrome weather  
**QAM:** latest meteorological observation  
**QAN:** surface wind direction and speed  
**QAO:** højdevind  
**QAR:** quick access recorder  
**QBA:** horizontal visibility  
**QBB:** amount, type and height of the base of the cloud  
**QBI:** IFR flight compulsory  
**QBT:** runway visual range  
**QDM:** magnetic heading to a station with no wind  
**QDR:** magnetic bearing from a station  
**QEC:** quick engine change  
**QFE:** altimeter setting related to pressure on aerodrome elevation  
**QFF:** atmospheric pressure converted to mean sea level (never to be used in aviation)  
**QFU:** magnetic direction of runway  
**QFZ:** aerodrome meteorological forecast  
**QGE:** distance to station  
**QGH:** VDF approach  
**QGO:** landing is prohibited  
**QMU:** surface temperature and dewpoint  
**QNE:** reading on altimeter on landing with subscale set to 1013.25 Hpa  
**QNH:** altimeter sub-scale setting to obtain elevation when on ground.  
**QNT:** max. gust speed of surface wind  
**QSY:** change frequency to.....  
**QT:** quart  
**QTE:** true bearing  
**QTF:** position  
**QTY:** quantity

## R

**R:** red / right / radial / received / on request / revised / radar / runway (runway identification)  
**R...:** restricted area  
**R-150:** magnetic course (radial)  
**RA:** radio altimeter / rain resolution advisory (TCAS)  
**RAC:** rules of the air and air trafik services

**RAD:** radar / radius  
**RAD/ALT:** radio altitude  
**RAD/INT:** radio/interphone  
**RADAR:** radio detection and ranging  
**RADZ:** rain and drizzle  
**RAF:** regional area forecast centre  
**RAG:** ragged (cloud base)  
**RAI:** runway alignment indicator  
**RAIL:** runway alignment indicator light  
**RAIM:** receiver autonomous integrity monitoring  
**RALT:** radio altitude  
**RAPCON:** radar approach control  
**RAPID:** rapidly  
**PAPM:** runway aiming point marking  
**RAR:** rules and regulations / radar arrival route  
**RAS:** rectified airspeed  
**RASH:** rainshowers  
**RASN:** (showers of) rain and snow  
**RAT:** ram air temperature / rapid access taxiway  
**RB:** rescue boat / read back  
**RBN:** radio beacon  
**RCA:** reach cruising altitude  
**RCC:** rescue coordination center  
**RCD:** departur clearance request  
**RCDR:** recorder  
**RCF:** radio communication failure  
**RCL:** runway centerline / recall / oceanic clearance request  
**RCLL:** runway center line light  
**RCLM:** runway centerline markings  
**RCLR:** recleared  
**RCO:** remote communications outlet  
**RCVR:** receiver  
**RD:** rumlig desorientering  
**RDAF:** royal danish air force  
**RDH:** reference datum height (for ILS)  
**RDl:** radial  
**RDMI:** radio distance magnetic indicator  
**RDO:** radio  
**RDP:** radar decent point  
**RDR:** radar departure route  
**RE:** recent (to qualify weather phenomena)  
**REA:** ready message  
**REC:** receive / receiver / receiving  
**REDL:** runway edge light  
**REDZ:** recent drizzle  
**REF:** reference to / refer to  
**REFZDZ:** recent freezing drizzle  
**REFZRA:** recent freezing rain  
**REG:** registration  
**REGR:** recent hail  
**REIL:** runway end identification light  
**REJ:** rejection  
**REL:** release  
**REM:** remaining  
**RENl:** runway end light  
**REP:** report / reporting point / representative  
**REPE:** recent icepellets  
**REQ:** request / requesting  
**RERA:** recent rain  
**RERASH:** recent (showers of) rain and snow  
**ERTE:** reroute  
**RESA:** runway end safety area  
**RESG:** recent snowgrains  
**RESH:** recent rainshowers  
**RESN:** recent snow  
**RESNSH:** recent snowshowers

**RET:** rapid exit taxiway  
**RETA:** revised estimated time of arrival  
**RETS:** recent thunderstorm  
**REV:** revision  
**RF:** ramp fuel / radio frequency  
**RF:** radio route facility chart  
**RFF:** rescue and fire fighting  
**RFL:** requested flight level  
**RFLG:** refueling  
**RFT:** runway friction tester  
**RG:** range (light)  
**RGA:** reserve go-around  
**RGE:** range  
**RGL:** runway guard lights  
**RGS:** remote ground station  
**RH:** radio height / right hand  
**RHA:** runway holding area  
**RHC:** right hand circuit  
**RIF:** reclearance in flight  
**RISK:** risk (=PROB)  
**RITE:** right hand  
**R/L:** rhumbline  
**RL:** runway lights (edge) / rhumbline  
**RAL:** relay to  
**RLCE:** request level change to  
**RLLS:** runway lead-in light  
**RLNA:** request level not available  
**RLY:** relay  
**RM:** route manual  
**RMI:** radio magnetic indicator  
**RMK:** remarks / national additions to METAR  
**RMM:** runway visual range (below reported value)  
**RNAV:** area navigation system  
**RNG:** radio range  
**RNP:** required navigation performance  
**ROC:** rate of climb  
**ROD:** rate of decent  
**RODOS:** route documentation system  
**ROFOR:** route forecast  
**RON:** receiving only  
**ROT:** runway occupancy time  
**RP:** runway visual range above reported value  
**RPI:** runway point of interception  
**RPL:** repetitive flight plan  
**RPLC:** replace / replaced  
**RPM:** revolutions per minute  
**RPS:** radar position symbol  
**RPT:** repeat  
**RPTG:** reporting  
**RQD:** required  
**RQMTS:** requirements  
**RQP:** requested flight plan message  
**RQS:** request supplementary flight plan  
**RR:** route reserve  
**RR:** first - delayed message  
**RRB:** second - delayed message  
**RRZ:** radar regulation zone  
**RS:** record special  
**RSC:** runway surface condition / rescue sub center  
**RSCD:** runway surface condition  
**RSP:** responder beacon  
**RSR:** enroute surveillance radar  
**RST:** reset  
**R/T:** radio-transmit  
**RTD:** retard =delayed  
**RTE:** route  
**RTE DATA:** route data  
**RTF:** radiotelephone  
**RTHL:** runway threshold light

**RTNG:** routing  
**RTO:** revised estimated time overhead  
**RTODAH:** rejected take-off distance available helicopter  
**RTOW:** regulated takeoff weight  
**RTZ:** remote transmitter / receiver  
**RTL:** runway touch down zone lights  
**RU:** russian  
**RUT:** standard regional route transmtting frequencies  
**RV:** rescue vessel  
**RVC:** radar vectoring chart  
**RVSM:** reduced vertical separation minima  
**RVR:** runway visual range  
**RVRNO:** RVR not available  
**RVSM:** reduced vertical separation minimum  
**RVV:** runway visibility value  
**RWY:** runway  
**RWL:** runway lights  
**RWT:** ramp weight

## S

**S:** south / southern latitude / second(s) / selcal available / straight-in  
**S:** survival  
**S-ILS:** straight-in ILS  
**S-LOC:** straight-in LOC  
**SA:** standard atmosphere / sand  
**SA:** data designator for METAR / duststorm / sandstorm / rising dust or sand  
**SABH:** radio beacon class  
**SAB:** special airworthiness information bulletin  
**SALS:** simple approach lighting system / short approach light system  
**SAM:** slot allocation message / south amerikan region  
**SAP:** as soon as possible  
**SAR:** search and rescue  
**SARPS:** standard and recommended practices (ICAO)  
**SAT:** static air temperature / saturday / satellite / south atlantic region  
**SATCOM:** satellite communication  
**S/B:** stand by  
**SB:** service bulletin / stand by / self briefing area  
**SBY:** stand by  
**SC:** stratocumulus  
**SCA:** southern control area  
**SCOB:** scattered clouds or better  
**SCSL:** standing stratocumulus lenticularis  
**SCT:** scattered ( 3/8 - 4/8 )  
**SD:** standard deviation  
**SDBY:** stand by  
**SDF:** simplified directional facility  
**S/E:** station engineer  
**SE:** single engine / south-east  
**SEA:** south east asia  
**SEB:** south-east bound  
**SEC:** second  
**SECT:** sector  
**SEL:** select / selector  
**SELCAL:** selective calling system  
**SENS:** sensitivity

<b>SEP:</b> single engine piston aeroplane / september / STAR entry point	<b>SOL:</b> indicated height above aerodrome level	<b>STOL:</b> short take-off and landing
<b>SEQ:</b> sequence	<b>SOS:</b> distress signal	<b>STOVL:</b> short take-off and vertical landing
<b>SER:</b> service / servicing / served	<b>SOTA:</b> shannon ocean transition area	<b>STR:</b> strength / straight / stored / service bus transfer relay
<b>SEV:</b> severe	<b>sp.gr:</b> specific gravity	<b>STRG:</b> steering
<b>SF:</b> stratus fractus (cloud)	<b>SP:</b> south pole / speed / special report / date designator for SPECT	<b>STS:</b> status
<b>SFC:</b> surface	<b>SPA:</b> single pilot aeroplane / slot proposal	<b>STWL:</b> stopway lights
<b>SFC VIS:</b> surface visibility	acceptance message	<b>SUBJ:</b> subject to
<b>SFH:</b> surface friction tester (high pressure tire)	<b>SPAR:</b> french light precision approach radar / special aerodrome report	<b>SUN:</b> sunday
<b>SFL:</b> surface friction test (low pressure tire) / sequenced flashing lights	<b>SPD:</b> speed / subject pilot in command's discretion	<b>SUP:</b> supplement (AIP)
<b>SFPL:</b> stored flight plan	<b>SPDBRK:</b> speedbrake	<b>SUPPS:</b> regional supplementary
<b>SFT:</b> (SAAB) surface friction tester	<b>SPECK:</b> aviation selected special weather report	<b>SURF:</b> surface
<b>sg:</b> specific gravity	<b>SPECIAL:</b> special meteorological report relating to improvement or deterioration of meteorological conditions	<b>SVC:</b> service message
<b>SG:</b> snow grains	<b>SPI:</b> special position identification	<b>SVCBL:</b> serviceable
<b>SGL:</b> single / signal	<b>SPL:</b> supplementary flight plan message	<b>SVCE:</b> service
<b>S/H:</b> set heading	<b>SPOC:</b> SAR point of contact	<b>SVFR:</b> special VFR
<b>SH:</b> southern hemisphere / showers	<b>SPOT:</b> spot wind	<b>SW:</b> south west / switch(es) / software
<b>SHF:</b> super high frequency (3000 til 30000 MHz)	<b>SPR:</b> southern preferred routes	<b>SWAP:</b> severe weather avoidance plan
<b>SI:</b> international system of units	<b>SQ:</b> squall	<b>SWB:</b> south-west bound
<b>SIA:</b> standard instrument approach	<b>SQL:</b> squall line	<b>SWC:</b> significant weather chart
<b>SID:</b> standard instrument departure	<b>SR:</b> sunrise / standard route	<b>SWM:</b> SIP wanted message
<b>SIF:</b> selective identification feature	<b>SRA:</b> special rules area / surveillance radar approach	<b>SWSL:</b> supplemental weather service location
<b>SIG:</b> signature	<b>SRE:</b> surveillance radar element of PAR/GCA	<b>SWY:</b> stopway
<b>SIGMET:</b> warning of weather hazards en-route	<b>SRG:</b> short range	<b>SYNOP:</b> surface report from land station
<b>SIMUL:</b> simultaneous	<b>SRH:</b> SRE service high level	<b>SYS:</b> system
<b>SIP:</b> slot improvement proposal message	<b>SRJ:</b> slot proposal rejection message	
<b>SITA:</b> société internationale de télécommunications aéronautiques	<b>SRL:</b> SRE service low level	
<b>SIWL:</b> single isolated wheel load	<b>SRM:</b> ships route manual	
<b>SKC:</b> sky clear (0/8)	<b>SRP:</b> slot reference point	
<b>SKED:</b> scheduled	<b>SRQ:</b> slot request	
<b>SKH:</b> skiddometer (high pressure tire)	<b>SRR:</b> search and rescue region / slot revision request message	
<b>SKL:</b> skiddometer (hlow pressure tire)	<b>SRY:</b> secondary	
<b>SL:</b> sea level	<b>SRZ:</b> special rules zone / surveillance radar zone	
<b>SLC:</b> slot cancellation message	<b>SS:</b> sunset / sandstorm	
<b>SLP:</b> sea level pressure (QFF) / speed limit point	<b>SSALF:</b> simplified short approach light system with flashing light	
<b>SLPNO:</b> SLP (QFF) not reported	<b>SSALR:</b> simplified short approach light system with runway alignment indicator lights	
<b>SLV:</b> civil aviation administration (DK)	<b>SSB:</b> single side band	
<b>SLW:</b> slow	<b>SSE:</b> south south east	
<b>SM:</b> statute miles (1.609 km)	<b>SSN:</b> seasonal	
<b>SMC:</b> standard mean chord / surface movement control	<b>SSR:</b> secondary surveillance radar	
<b>SMGCS:</b> surface movement and guidancecontrol system	<b>SST:</b> supersonic transport	
<b>SMK:</b> smoke	<b>SSW:</b> south south west	
<b>SMKG:</b> smoking	<b>ST:</b> standard time / stratus	
<b>SMM:</b> slot missed message	<b>STA:</b> straight in approach / station / scheduled time of arrival	
<b>SMO:</b> supplementary meteorological office	<b>STAB:</b> stabilizer / stabilization	
<b>SMOH:</b> since motor overhaul	<b>STAR:</b> standard instrument arrival / standard terminal arrival route	
<b>SMR:</b> surface movement radar	<b>STAT:</b> stationary	
<b>SN:</b> snow	<b>STBY:</b> standby	
<b>SNINCR:</b> snow increasing rapidly	<b>STD:</b> standard / scheduled time of departure	
<b>SNOCLO:</b> aerodrome unusable due to accumulation of snow or clearance of the snow	<b>STM:</b> station manager / station manual	
<b>SNOWTAM:</b> snow NOTAM, notifying the presence or removal of hazardous conditions due to contamination of the movement area	<b>STF:</b> stratiform	
<b>SNSH:</b> snowshowers	<b>STIN:</b> straight-in	
<b>S/O:</b> shut off / system operator	<b>STN:</b> station	
<b>SOC:</b> start of climb	<b>STNR:</b> stationary	
<b>SODALS:</b> simple omni-directional approach light system		
<b>SODAR:</b> sound detection and ranging		

## T

<b>*°:</b> degrees true
<b>T:</b> temperature / thrust / true / tons / transit
<b>T.....:</b> hourly temperature / dew point
<b>Td:</b> dew point
<b>Tmax:</b> maximum temperatur
<b>Tmin:</b> miniumum temperatur
<b>TA:</b> transition altitude
<b>TA (TCAS):</b> traffic advisory
<b>TAA:</b> terminal arrival area
<b>TAC:</b> terminal area chart / turbulence in clear air (=CAT)
<b>TACAN:</b> UHF tactical air navigation aid
<b>TACH:</b> tachometer
<b>TAf:</b> terminal aerodrome weather forecast / aerodrome forecast
<b>TAIL:</b> tail wind
<b>TAM:</b> terminal advisory message
<b>TAP:</b> tapley-meter
<b>TAR:</b> terminal area surveillance radar
<b>TAS:</b> true air speed / taxi and parking facilities chart
<b>TAT:</b> total air temperature
<b>TAWS:</b> terrain awareness and warning system
<b>TAX:</b> taxiing / taxi
<b>TBO:</b> time between overhaul
<b>TC:</b> true course / tropical cyclone / revolving storm
<b>TCA:</b> terminal control area
<b>TCAS:</b> traffic alert and collision avoidance system
<b>TCC:</b> trafik control center
<b>TCH:</b> threshold crossing height (RNAV approach procedures)
<b>TCS:</b> touch control steering
<b>TCTA:</b> transcontinental control area
<b>TCU:</b> towering cumulus
<b>TD:</b> temperature difference from ISA
<b>TDC:</b> top dead center

**TDL:** touch down zone light  
**TDO:** tornado  
**TDP:** touch down point  
**TDV:** temperature deviation from standard  
**TDZ:** touch down zone  
**TDZE:** touchdown zone elevation  
**TDZL:** touch down zone lights  
**TE:** trailing edge  
**TEC:** tower enroute control  
**TECR:** technical reason  
**TEL:** telephone  
**TEMP:** temperature / temporary  
**TEMPO:** temporary / temporarily  
**TEMSI:** significant weather chart (=SWC)  
**TEND:** trend or tending to  
**TERPS:** terminal instrument procedures  
**TFC:** traffic  
**TGT:** target  
**TGL:** touch and go landing / temporary guidance leaflet  
**TGS:** taxiing guidance system  
**TH:** transition height / true heading  
**THIL:** threshold identification light  
**THL:** threshold light  
**THR:** threshold  
**THR HOLD:** throttle hold  
**THRU:** through  
**THU:** thursday  
**TIA:** traffic information area  
**TIL:** until  
**TIP:** until past (place)  
**TIR:** total indicator reading  
**TIT:** turbine inlet temperature  
**TIZ:** traffic information zone  
**TK:** track  
**TKE:** track angle error  
**TKOF:** take-off  
**TL:** transition level / until ... (time)  
**TLOF:** touchdown and lift-off area  
**TLX:** telex  
**TM:** transmissiometer / torque motor / tankering mode / time  
**TMA:** terminal control area  
**TMC:** terminal control center  
**TME:** time  
**TML:** terminal  
**TMW:** tropopause / max. wind chart  
**TN:** true north  
**TNA:** turn altitude  
**TNH:** turn height  
**T/O:** take-off  
**TO:** to (place / time) / time over  
**TOAT:** true outside air temperature  
**TOD:** top of descent / take-off distance  
**TOC:** top of climb  
**TODA:** take-off distance available  
**TODAH:** take-off distance available, helicopter  
**TOF:** take-off fuel  
**TOI:** traffic orientation scheme  
**TOP:** top of clouds  
**TOR:** take-off run  
**TORA:** take-off run available  
**TOW:** take-off weight  
**TP:** turning point  
**TQ:** torque  
**T/R:** thrust reverser  
**TR:** track / transition  
**TRA:** temporary reserved airspace  
**TRACON:** terminal radar approach control

**TRANS:** transmitting / transmitter, transition  
**TRANS ALT:** transition altitude  
**TRANS LEV:** transition level  
**TRCV:** tri-color visual approach slope indicator  
**TRE:** type rating examiner  
**TREND:** trend type forecast  
**TRK:** track  
**TROP:** tropopause  
**TRS:** tropical revolving storm  
**TRSA:** terminal radar service area  
**TRU:** transformer rectifier unit  
**TRU PLN:** flightplan through intermediate stops  
**TS:** thunderstorm  
**TSA:** temporary segregated airspace  
**TSB:** begin thunderstorm at .. min past the full HR  
**TSE:** end of thunderstorm at .. Min past the full HR  
**TSF:** thrust specific fuel consumption  
**TSGR:** thunderstorm with hail  
**TSN:** time since new  
**TSNO:** thunderstorm information not available  
**TSMOH:** time since motor overhaul  
**TSOH:** time since overhaul  
**TSR:** technical safety report  
**TSSA:** thunderstorm with duststorm or sandstorm  
**TSSN:** heavy thunderstorm with snow and hail  
**TSSNGR:** heavy thunderstorm with snow and hail  
**TT:** true track / twin tandem / total time  
**TTE:** total time engine  
**TTF:** terne type forecast  
**TTG:** time to go  
**TTL:** trend type landing forecast  
**TU:** temps universelle (=UTC) / time of useful consciousness  
**TUE:** tuesday  
**TURB:** turbulence  
**TURBL:** turbulence  
**TVE:** total vertical error  
**TVOR:** terminal VOR  
**TW:** twin wheel / terminal watch  
**TWC:** tail wind component  
**TWEB:** transcribed weather broadcast  
**TWIP:** terminal weather information for pilots  
**TWL:** taxiway light  
**TWR:** aerodrome control tower  
**TWR VIS:** tower visibility  
**TWY:** taxiway  
**TWYL:** taxiway-link  
**TX:** transmitter  
**TXT:** text  
**TYP:** type of aircraft  
**TYPH:** typhoon

## U

**U:** recent RVR tendency - up (improving) / UNICOM / upper  
**UAA:** upper advisory area  
**UAB:** until advised by  
**UAC:** ACC service high level  
**UACC:** upper area control center  
**UAD:** upper advisory route

**UAR:** upper air route  
**UAV:** unmanned aerial vehicle  
**UDA:** upper advisory area  
**UDF:** ultra high frequency direction finding station  
**UHD:** unable higher due to traffic  
**UDR:** upper advisory route  
**UFN:** until further notice  
**UFSR:** urgent flight safety report  
**UHF:** ultrahigh frequency (300-3000 Mhz)  
**UIC:** upper flight information center  
**UIR:** upper flight information region  
**UIS:** flight information service high level  
**ULF:** ultimate load factor  
**ULR:** radar ACC service high level / ultra long range  
**UNCTL:** uncontrolled  
**UNDV:** undervoltage  
**UNI:** unlimited  
**UNICOM:** aeronautical advisory service  
**UNL:** unlimited  
**UNREL:** unreliable  
**UP:** precipitation of unknown type  
**UPD:** updated  
**U/S:** unserviceable  
**USAF:** united states air force  
**USB:** upper side band  
**USD:** unrecognized spatial disorientation  
**USG:** u.s.gallon  
**USS:** united states, standard  
**UTA:** upper control area  
**UTC:** coordinated universal time  
**UTIL:** utility  
**UUP:** updated airspace use plan  
**UWS:** urgent weather SIGMET  
**UWY:** upper way

## V

**v:** speed  
**V:** volt / velocity / VOR airway / variable between ...and ...  
**V1:** take-off decision speed (critical engine failure speed)  
**V2:** take-off safety speed  
**V2min:** min. take-off safety speed  
**V3:** all-engines screen speed  
**V4:** all-engines steadyb initial climb speed  
**V5:** V2 + 5  
**Va:** aquaplaning speed  
**VA:** design maneuvering speed  
**Vat:** threshold speed  
**Vb:** design speed for maximum gust intensity  
**Vbe:** best endurance speed  
**Vbr:** best range speed  
**Vc:** design cruising speed  
**Vcml:** minimum control speed landing  
**Vd:** design diving speed  
**Vdf:** demonstrated design divingspeed  
**Vf:** design flap speed  
**Vfe:** maximum flap extended speed  
**Vfo:** maximum flap operating speed  
**Vfr:** minimum speed for safe flap retraction  
**Vh:** maximum level flight speed with max. continuous power  
**Vimd:** minimum drag speed

**Vimp:** speed for flight at minimum power  
**Vl:** limit speed / redline speed  
**Vl:** max. landing gear extended speed  
**Vlo:** max. landing gear operating speed  
**Vlof:** lift-off speed  
**Vmc:** min. control speed with critical engine inoperative  
**Vmca:** minimum control speed airborne  
**Vmcg:** minimum control speed on ground  
**Vmcl:** minimum control speed in landing configuration  
**Vmfa:** minimum final approach speed  
**Vmin sink:** gliding speed with power off with minimum rate of sink  
**Vmini:** minimum speed for IFR conditions  
**Vmo:** maximum operating speed limit  
**Vms:** minimum speed in stall  
**Vmu:** minimum unstuck speed  
**Vna:** noise abatement speed  
**Vne:** never exceed speed  
**Vno:** max. speed in moderate turbulent air  
**Vobs cl:** speed for obstacle clearance after take-off  
**Vr:** rotation speed  
**Vra:** maximum rough air speed  
**Vref:** reference speed for approach  
**Vs:** stall speed clean or min. steady flight speed at which the airplane is controllable  
**Vs1:** stall speed in a specified configuration  
**Vso:** stall speed or min. steady flight speed in landing configuration  
**Vsr:** minimum safe speed for slat retraction  
**Vsri:** reference stall speed in specified configuration  
**Vsro:** reference stall speed in landing configuration  
**Vsse:** minimum speed for safe single engine operation  
**Vsw:** speed for on-set of stall warning  
**Vt:** true air speed  
**Vtmax:** maximum threshold speed  
**Vtmin:** minimum threshold speed  
**Vtoss:** take-off safety speed for category A rotorcraft  
**Vx:** best angle of climb speed  
**Vxse:** best angle of climb single engine speed  
**Vy:** best rate of climb speed  
**Vyse:** best rate of climb single engine speed  
**Vz:** vertical speed component. Normal or cruise climb (best cooling and visibility)  
**Vzf:** minimum safe speed for maneuvering with flaps retracted  
**VA:** volcanic ash / end of work  
**VAC:** volts of alternating current / visual approach chart  
**VAL:** visual approach and landing chart / in valleys  
**VAL:** in valleys  
**VAN:** runway control van  
**VAR:** magnetic variation / visual aural radio range / volt-ampere reactive  
**VASI:** visual approach slope indicator

**VASIS:** visual approach slope indicator system  
**VC:** in vicinity (within approx. 8 km from AD) / calibrated airspeed  
**VCNTY:** in vicinity  
**VCI:** vicinity  
**VDF:** very high frequency direction finder  
**VDL:** VHF data link  
**VDM:** collocated VOR / DME  
**VDP:** visual descent point  
**VDU:** visual display unit  
**VE:** visual exempted  
**VER(T):** vertical  
**VFG:** visual flight guide  
**VFR:** visual flight rules  
**VGSI:** visual glide slope indicator  
**VHF:** very high frequency (30-300 MHz)  
**VHF/DF:** VHF direction finder  
**VIP:** very important person  
**VRGA:** precipitation not reaching the ground  
**VIS:** visibility  
**VISNO:** visibility at secondary location not available  
**VL:** very low frequency (3-30 MHz)  
**VLR:** very long range  
**VMC:** visual meteorological conditions  
**VNAP:** vertical noise abatement procedures  
**VNAV:** vertical navigation  
**VOL:** volume  
**VOLMET:** meteorological information for aircraft in flight  
**VOLT:** voltage  
**VOR:** very high frequency omnidirectional radio range  
**VOR/DME:** collocated VOR and DME nav aids  
**VOR LOC:** VOR localizer  
**VORTAC:** VOR and TACAN combination  
**VOT:** VOR airborne equipment test facility  
**VR:** voyage report  
**VRB:** variable  
**V/S:** vertical speed  
**VSA:** visual reference to the ground  
**VSI:** vertical speed indicator  
**VSP:** vertical speed  
**VSTOL:** vertical or short take-off and landing  
**VTC:** the central forecasting office / centralvejtjenesten  
**VTK:** vertical track  
**VTOL:** vertical take-off and landing  
**VV:** vertical visibility  
**VVI:** vertical velocity indicator (vertical speed indicator)

**WARN:** warning  
**WAT:** weight altitude temperature  
**WATRS:** western atlantic route system  
**WB:** west bound  
**WBAR:** wing bar light  
**WBM:** weight and balance manual  
**WC:** data designator for SIGMET on trop. storms / wind component  
**WCA:** wind correction angle  
**W/D:** wind direction  
**WD:** weekdays  
**WE:** wind direction indicator  
**WDSRP:** widespread  
**WE:** wind effect  
**WED:** wednesday  
**WEF:** with effect from / effective from  
**WGT:** weight  
**WGS:** world geodetic system  
**WHO:** world meteorological organization  
**WI:** within  
**WID:** width  
**WIE:** with immediately effect  
**WILCO:** will comply  
**WIP:** work in progress  
**WKN:** weakening / weaken  
**WMO:** world meteorological organization  
**WND:** wind  
**WNW:** west north west  
**WO:** without  
**WOW:** weight on wheel  
**WP(T):** waypoint  
**WRNG:** warning  
**W/S:** wind speed  
**WS:** wind shear / data designator for general SIGMET / SIGMET weather advisory  
**WSCONDS:** wind shear cond., but detailed forecast unobtainable  
**WSHFT:** wind shift  
**WSHLD:** windshield  
**WSO:** weather service office  
**WSPD:** wind speed  
**WST:** convective SIGMET, weather advisory  
**WSW:** west south west  
**W/T:** radio telegraphy  
**WT:** weight / water tank  
**WTSPT:** waterspout  
**W/V:** wind velocity  
**WW:** data designator for SIGMET on volcanic ash  
**WW:** wheel well  
**WW:** severe weather watch bulletin  
**WWW:** world wide web  
**WX:** weather  
**WX NIL:** no weather

## W

**W:** west / western longitude / white / weight / watt (power)  
**W/A:** water-alcohol mixture  
**WA:** data designator for AIRMET messages / AIRMET weather advisory  
**WAC:** world aeronautical chart ICAO, 1:1000000  
**WAF:** world area forecast center  
**WAFS:** world area forecast system  
**WAGS:** windshear alert and guidance system

## X

**X:** no specific working hours / on request  
**XBAR:** crossbar  
**XFEED:** cross feed  
**XFER:** transfer  
**XFR:** transfer  
**XMIT:** transmits  
**XNG:** crossing  
**XPNDR:** transponder  
**XTD:** cross track distance  
**XTK:** cross track  
**XWC:** crosswind component

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**XX:** heavy (weather phenomena)  
**XXDZ:** heavy drizzle  
**XXFZDZ:** heavy freezing drizzle  
**XXFZRA:** heavy freezing rain  
**XXGR:** heavy hail  
**XXSH:** heavy rainshowers  
**XXRA:** heavy rain  
**XXRASN:** heavy (showers of) rain  
and snow  
**XXSA:** heavy dust or sandstorm  
**XXSN:** heavy snow  
**XXSNSH:** heavy snowshowers  
**XXTS:** heavy thunderstorm  
**XXTSGR:** heavy thunderstorm with hail

## Y

**Y:** yellow  
**YCZ:** yellow caution zone (runway light)  
**YDS:** yards  
**YES:** yes / affirm  
**YR:** your

## Z

**Z:** z-marker / zulu time / time in  
coordinated universal time (UTC)  
**ZA:** aircraft altitude  
**ZCIT:** zone de convergence intertropical  
**ZFW:** zero fuel weight  
**ZP:** pressure altitude  
**ZRA:** radio altimeter altitude

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