



**ABBREVIATIONS AND SYMBOLS**

*(used in this FOR-GA VOL II)*

**ABBREVIATIONS**

<b>ACAS</b>	Airborne collision avoidance systems
<b>ADRS</b>	Aircraft data recording system
<b>ADS-C</b>	Automatic dependent surveillance — contract
<b>AFCS</b>	Automatic flight control system
<b>AIG</b>	Accident investigation and prevention
<b>AIP</b>	Aeronautical Information Publications
<b>AIR</b>	Airborne image recorder
<b>AIRS</b>	Airborne image recording system
<b>AOC</b>	Air operator certificate
<b>AOCR</b>	Air Operator Certificate Requirements
<b>ATC</b>	Air traffic control
<b>ATM</b>	Air traffic management
<b>ATN</b>	Aeronautical Telecommunication Network
<b>ATS</b>	Air traffic services
<b>CAAN</b>	Civil Aviation Authority of Nepal
<b>CARS</b>	Cockpit audio recording system
<b>CATI</b>	Category I
<b>CATII</b>	Category II
<b>CATIII</b>	Category III
<b>CATIIIA</b>	Category IIIA
<b>CATIIIB</b>	Category IIIB
<b>CATIIIC</b>	Category IIIC
<b>CDL</b>	Configuration deviation list
<b>CFIT</b>	Controlled flight into terrain
<b>cm</b>	Centimeter
<b>CPDLC</b>	Controller-pilot data link communications
<b>CVR</b>	Cockpit voice recorder
<b>CVS</b>	Combined vision system
<b>DA</b>	Decision altitude
<b>DA/H</b>	Decision altitude/height
<b>D-FIS</b>	Data link-flight information services
<b>DG, CAAN</b>	Director General, Civil Aviation Authority of Nepal
<b>DH</b>	Decision height
<b>Distance DR</b>	The horizontal distance that the helicopter has travelled from the end of the take-off distance available
<b>DLR</b>	Data link recorder
<b>DLRS</b>	Data link recording system
<b>DME</b>	Distance measuring equipment
<b>ECAM</b>	Electronic centralized aircraft monitor
<b>EFB</b>	Electronic flight bag
<b>EFIS</b>	Electronic flight instrument system
<b>EGT</b>	Exhaust gas temperature



# FLIGHT OPERATIONS REQUIREMENTS GENERAL AVIATION - VOLUME II

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<b>EICAS</b>	Engine indication and crew alerting system
<b>ELT</b>	Emergency locator transmitter
<b>ELT(AF)</b>	Automatic fixed ELT
<b>ELT(AP)</b>	Automatic portable ELT
<b>ELT(AD)</b>	Automatic deployable ELT
<b>ELT(S)</b>	Survival ELT
<b>EUROCAE</b>	European Organization for Civil Aviation Equipment
<b>EPR</b>	Engine pressure ratio
<b>EVS</b>	Enhanced vision system
<b>FANS</b>	Future air navigation system
<b>FATO</b>	Final approach and take-off area
<b>FDAU</b>	Flight data acquisition unit
<b>FDR</b>	Flight data recorder
<b>FM</b>	Frequency modulation
<b>FOR</b>	Flight Operations Requirements
<b>FSSD</b>	Flight Safety Standards Department
<b>ft</b>	Foot
<b>g</b>	Normal acceleration
<b>hPa</b>	Hectopascal
<b>HUD</b>	Head-up display
<b>HUMS</b>	Health and usage monitor system
<b>IFR</b>	Instrument flight rules
<b>ILS</b>	Instrument landing system
<b>IMC</b>	Instrument meteorological conditions
<b>inHg</b>	Inch of mercury
<b>kg</b>	Kilogram
<b>km</b>	Kilometre
<b>kN</b>	Kilonewton
<b>kt</b>	Knot
<b>LDAH</b>	Landing distance available
<b>LDP</b>	Landing decision point
<b>LDRH</b>	Landing distance required
<b>LED</b>	Light emitting diode
<b>m</b>	Metre
<b>mb</b>	Millibar
<b>MDA</b>	Minimum descent altitude
<b>MDA/H</b>	Minimum descent altitude/height
<b>MDH</b>	Minimum descent height
<b>MEL</b>	Minimum equipment list
<b>MHz</b>	Megahertz
<b>MLS</b>	Microwave landing system
<b>MMEL</b>	Master minimum equipment list
<b>MOPS</b>	Minimum operational performance specification



# FLIGHT OPERATIONS REQUIREMENTS GENERAL AVIATION - VOLUME II

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<b>NAV</b>	Navigation
<b>N<sub>1</sub></b>	Low pressure compressor speed (two-stage compressor); fan speed (three-stage compressor)
<b>NM</b>	Nautical mile
<b>NVIS</b>	Night vision imaging systems
<b>OCA</b>	Obstacle clearance altitude
<b>OCA/H</b>	Obstacle clearance altitude/height
<b>OCH</b>	Obstacle clearance height
<b>PANS</b>	Procedures for Air Navigation Services
<b>PBN</b>	Performance-based navigation
<b>PELR</b>	Personnel Licensing Requirements
<b>PNR</b>	Point of no return
<b>psi</b>	Pound per square inch
<b>R</b>	Rotor radius
<b>RCP</b>	Required communication performance
<b>RNAV</b>	Area navigation
<b>RNP</b>	Required navigation performance
<b>RTCA</b>	Radio Technical Commission for Aeronautics
<b>RTODR</b>	Rejected take-off distance required
<b>RVR</b>	Runway visual range
<b>SI</b>	International System of Units
<b>SICASP</b>	Secondary Surveillance Radar Improvements and Collision Avoidance Systems Panel
<b>SOP</b>	Standard operating procedures
<b>SVS</b>	Synthetic vision system
<b>T<sub>4</sub></b>	Engine exhaust gas temperature
<b>TDP</b>	Take-off decision point
<b>TIT</b>	Turbine inlet temperature
<b>TLOF</b>	Touchdown and lift-off area
<b>TODAH</b>	Take-off distance available
<b>TODRH</b>	Take-off distance required
<b>UTC</b>	Coordinated universal time
<b>VFR</b>	Visual flight rules
<b>VMC</b>	Visual meteorological conditions
<b>VNAV</b>	Vertical Navigation
<b>VTSS</b>	Take-off safety speed. The minimum speed at which climb shall be achieved with the critical engine inoperative, the remaining engines operating within approved operating limits
<b>V<sub>y</sub></b>	Best rate of climb speed
<b>WXR</b>	Weather



# FLIGHT OPERATIONS REQUIREMENTS GENERAL AVIATION - VOLUME II

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## SYMBOLS

°C      Degrees Celsius  
%      Per cent