

CAUC / SB 503 Avionics Technologies

Training Course – October 2016

Terms	Definition
2D	Two Dimensional (LAT, LONG or X, Y)
3D	Three Dimensional (LAT, LONG, ALT, or X, Y, Z)
A	
A/C	Aircraft
A/THR	Autothrust
ACARS	Aircraft Communication Addressing and Reporting System
ACMS	Aircraft Condition Monitoring System
ACR	Aircraft Communication Router
ACS	Air Conditioning System
ADC	Air Data Computer (part of ADIRS)
ADF	Automatic Direction Finder
ADIRS	Air Data and Inertial Reference System
ADIRU	Air Data and Inertial Reference Unit
ADR	Air Data Reference
ADS	Automatic Dependent Surveillance
AFCS	Automatic Flight Control System
AFDX	Avionics Full DupleX switched Ethernet
AFS	Automatic Flight System
ALT	Altitude
ALTN	Alternate
AMS	Audio Management System
AOC	Aeronautical Operational Communication
AP	AutoPilot or Automatic Pilot
APAU	Autopilot Actuator Unit
APC	Aeronautical Passenger Communication
API	Application Program Interface
APU	Auxiliary Power Unit
ARCDU	Audio & Radio Control Unit
ARINC	Aeronautical Radio INCorporated
ARP	Aerospace Recommended Practice (SAE)
ASA	Architecture Suite Avionique
ASAS	Airborne Separation Assistance System
ASD	AeroSpace and Defence
ASEP	Airborne Separation
ASIC	Application Specific Integrated Circuit
ASPA	Airborne SPacing
ASW	Avionics Services Worldwide (Thales SBU)
ATA	Avionics Transport Aircraft (Thales SBU)
ATC	Air Traffic Control
ATCRBS	Air Traffic Control Radar Beacon System
ATE	Automatic Test Equipment
ATHR	Auto Throttle
ATIS	Air Traffic Information Service
ATM	Air Traffic Management
ATN	Aeronautical Telecommunications Network
ATR	Avions de Transport Régionaux
ATS	Air Traffic Services
ATSAW	Airborne Traffic Situational AWAreness
ATSC	Air Traffic Services Communication
ATSU	Air Traffic Service Unit

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Terms	Definition
ATT	Attitude
AVC-D	Audio Video Controller – Digital
AVOD	Audio Video On Demand
AVS	Avionics Suite
B	
BASA	Bilateral Aviation Safety Agreement
BDS-S	Base des Signaux
BEA	Bureau Enquete Accident
BITE	Built In Test Equipment
BMC	Bleed Management Computer
C	
CAC	Core Avionics Cabinet
CAN	Controller Area Network
CAS	Calibrated Airspeed
CAS	Crew Alerting System
CAT	CATegory
CATV	Cable TV
CCA	Common Cause Analysis
CCD	Cursor Control Device
CCQ	Common Crew Qualification
CDA	Continuous Descent Approach
CDAM	Centralised Data Access Module
CDS	Cockpit Display System
CDS	Centralized Diagnostic System
CDU	Control Display Unit
CDVE	Commande de Vol Electrique
CEV	Centre Essais en Vol
CFIT	Controlled Flight Into Terrain
CID	Configuration Index Document
CID	Control Interface Document
CIDS	Cabin Inter-communication Data System
CLB	Climb
CMA	Common Mode Analysis
CMC	Central Maintenance Computer
CMF	Centralised Maintenance Function
CMM	Component Maintenance Manual
CMR	Certification Maintenance Requirement
CMS	Centralized Maintenance System
CMU	Communication Management Unit
CNS	Communication, Navigation and Surveillance
CoA	Certificate of Airworthiness
COM	Communication
COTS	Commercial Off The Shelf
CPA	Closest Point of Approach
CPCS	Cabin Pressure Control System
CPDLC	Controller Pilot Data Link Communication
CPIOM	Core Processing & Input Output Module
CPM	Core Processing Module
CPU	Central Processing Unit
CRC	Cyclic Redundancy Check

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Terms	Definition
CRI	Certification Review Item
CRT	Cathode Ray Tubes
CRZ	Cruise
CSFL	Continuous Safe Flight and Landing
CVE	Compliance Verification Engineer (JAA)
CVR	Cockpit Voice Recorder
CWLU	Cabin Wireless Lan Unit
D	
DAL	Development Assurance Level
DAR	Design Authority Representative
DB	DataBase
DCDU	Data-link Control and Display Unit
DCEL	Deceleration
DCL	Departure Clearance
DCP	Display Control Panel
DCS	Designated Certification Specialist
DDP	Declaration of Design & Performance
DECU	Digital Engine Control Unit
DES	DEScent
DEU	Digital Ethernet Unit
DFDRS	Digital Flight Data Recorder System
DGAC	Direction Générale de l'Aviation Civile
DHL	Decision Height Level
DLCS	Data Loading and Configuration System
DLCS	Data Link Communications System
DLIC	DataLink Initiation
DLK	Data LinK
DME	Distance Measuring Equipment
DOA	Design Organization Approval
DOC	Declaration Of Conformity
DSU	Digital Server Unit (IFE Server)
E	
E/S	Entrées/sorties
EASA	European Aviation Safety Authority
ECAC	European Civil Aviation Conference
ECAM	Electronic Centralised Aircraft Monitoring
ECP	ECAM Control Panel
EFB	Electronic Flight Bag
EFIS	Electronic Flight Instrument System
EFOB	Estimated Fuel On Board
EGPWS	Enhanced Ground Proximity Warning System
EHS	Enhanced Surveillance
EIS	Entry In Service
EIS	Electronic Instruments System (cf CDS)
EIU	Engine Interface Unit
ELS	ELementary Surveillance
ELT	Emergency Locator Transmitter
EPE	Estimated Position Error
EPLD	Electronic PLD
EUROCAE	European Organization for Civil Aviation Equipment

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Terms	Definition
EVS	Enhanced Vision System
EWD	Engine and Warning Display
F	
F/O	First Officer
FAA	Federal Aviation Administration
FADEC	Full Authority Digital Engine Control
FAL	Final Assembly Line
FANS	Future Air Navigation System
FAP	Flight Attendant Panel
FAR	Federal Aviation Regulation
FBW	Fly By Wire (CDVE: Commandes de Vol Electriques)
FCDC	Flight Control Data Concentrator
FCGS	Flight Control and Guidance System
FCM	Flight Control Module
FCMS	Fuel Control Management System
FCP	Flight Control Panel
FCPC	Flight Control Primary Computer
FCS	Flight Control System
FCSC	Flight Control Secondary Computer
FCU	Flight Control Unit
FDB-G	Floor Disconnect Box – Gigabit
FDM	Fichier Des Matières
FDR	Flight Data Recorder
FG/AP	Flight Guidance / Autopilot
FGCP	Flight Guidance Control Panel
FGCS	Flight Guidance and Control System
FGES	Flight Guidance and Envelop protection system
FGM	Flight Guidance Module
FHA	Functional Hazard Assessment
FIB	Functional Integration Bench
FIS	Flight Information Services
FLT	Flight
FM	Flight Management
FM	Frequency Modulation
FMA	Flight Mode Annunciator
FMC	Flight Management Computer
FMCP	Flight Management Control Panel
FMD	FM Display
FMEA	Failure Mode & Effect Analysis
FMES	Failure Mode Effect Summary
FMGC	Flight Management and Guidance System
FMS	Flight Management System
FOQA	Flight Operational Quality Assurance
FPA	Flight Path Angle
FPLN	Flight PLaN
FQMS	Fuel Quantity Management System
FSA-NG	Fly Smart with Airbus – New Gen (NSS by Airbus on A350)
FSS	FM Source Switch
FTA	Fault Tree Analysis
FWS	Flight Warning System

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Terms	Definition
G	
GADIRS	GPS Air Data Inertial Reference System
GND	Ground
GNSS	Global Navigation Satellite System
GPS	Global Positioning System
GPWS	Ground Proximity Warning System
GRESS	General Requirements for Equipment and System Suppliers
H	
H/W	Hardware
HARD	Flight Operational Quality Assurance
HAZ	HAZardous
HDD	Hard Disk Drive
HDG	Heading
HF	High Frequency
HFDL	HF Data Link
HFDR	HF Data Radio
HIRF	High Intensity Radiated Field
HMI	Human Machine Interface
HPATH	Horizontal Path
HSI	Horizontal Situation Indicator
HUD	Head Up Display
HUDC	Head Up Display Computer
HUDS	Head-Up Display System
I	
I/F	Interface
I/O	Input/Output
ICAO	International Civil Aviation Organization
ICD	Interface Control Document
ICE	In Circuit Emulation
ICMT	Interactive Cabin Management Terminal
ICP	Integrated Control Panel
ICPS	Integrated Control Panel System
IESI	Integrated Electronic Stand-by Instrument
IFC	Integrated Flight Cabinet
IFE	In-Flight Entertainment
IFR	Instrument Flight Rules
IFS	Inflight Services
IHM	Interface Homme Machine
ILS	Instrument Landing System
IMA	Integrated Modular Avionics
INT	Instruments (Thales TBU)
IOM	Input Output Module
IRS	Inertial Reference System
IRS	Inspection Report System
IRU	Inertial Reference Unit
IRU / IRS	Inertial Reference Unit / System
ISCD	Interface Specification Control Document
ISO	International Standardisation Organisation
ISP	Integrated Static Probe
ISS	Integrated Surveillance System

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Terms	Definition
IT	Information Technologies (Système d'information sol)
IVV	Integration, Verification and Validation
IVVP	IVV Plan
IVVQ	Integration Validation Verification Qualification
J	
JAA	Joint Airworthiness Authorities
JAR	Joint Airworthiness Regulation
K	
KCCU	Keyboard and Cursor Control Unit
L	
L/G	Landing Gear
LAN	Local Area Network
LCD	Liquid Crystal Display
LGCU	Landing Gear Control Unit
LGERS	Landing Gear Extraction and Retraction System
LNAV	Lateral Navigation
LOC	Localizer
LRI	Line Replaceable Item
LRM	Line Replaceable Module
LRU	Line Replaceable Unit
LSK	Line Select Keys
LUH	Light Helicopter
M	
MAJ	MAJor
MAN	MANual
MASPS	Minimum Aviation System Performance Standards
MAT	Maintenance Access Terminal
MAU	Modular Avionics Unit
MCDU	Multipurpose Control Display Unit
MCO	Maintien en Condition Opérationnelle
MCU	Modular Concept Unit
MDA	Minimum Decision Altitude / Minimum Descent Altitude
MED	Medium
MFD	Multipurpose Flight Display
MFP	Multi Function Probe
MIN	Minimum
MLS	Microwave Landing System
MMEL	Master Minimum Equipment List
MMI	Man Machine Interface
MMO	Max Operating Mach
MMR	Multi-Mode Receiver
MMU	Memory Management Unit
MOC	Means Of Compliance
MON	MONitor
MOP	Manuel d'Organisme de Production
MOPS	Minimum [Operational] Performance Specifications
MPD	Maintenance Planning Document
MPRS	Mission Preparation and Restitution System
MPS	Minimum [Operational] Performance Specifications
MRB	Maintenance Review Board

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Terms	Definition
MRC	Multipurpose Radio Cabinet
MSI	Maintenance Significant Item
MSL	Mean Sea Level
MTBF	Mean Time Between Failures
MTBUR	Mean Time Between Unscheduled Removals
MTOW	Maximum Take-Off Weight
MTTR	Mean Time To Repair
N	
NADP	Noise Abatement Departure Procedure
NAV	Navigation
NAVAID	Navigational Aid
NAVDB	NAVigation Data Base
ND	Navigation Display
NDB	Non-Directional Beacon
NFF	No Fault Found
NOTAM	Notice to air men
NPA	Non Precision Approach
NRC	Non Recurring Cost
NSS	Network Server System
NSU	Network Server Unit
O	
OCL	Oceanic Clearance
OEM	Original Equipment Manufacturer
OIS	Onboard Information System
OIT	On board Information Terminal
OMS	On board Maintenance System
OMT	On board Maintenance Terminal
OPS	
OW	Open World
P	
P/N	Part Number
PAA	PAssenger Address
PACIS	Passenger Audio Cabin Interface System
PANS	Procedures for Air Navigation Services
PAX	Passengers
PCAC	Plan for Component/System Aspects of Certification
PCU	Passenger Control Unit
PDA	Personal Digital Assitant
PDB	Power Distribution Box
PED	Personal Electronic device
PERFDB	Performance Database
PFCP	Primary Flight Control Panel
PFCU	Primary Flight Control Unit
PFD	Primary Flight Display
PFR	Post Flight Report
PHC	Probes Heating Computer
PIESD	Passenger Information and Entertainment Service Domain
PLD	Programmable Logic Device
PMAT	Portable Maintenance Access Terminal
PNF	Pilot Not Flying

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Terms	Definition
POD	Passenger Owned Devices
POST	Power-On Self Test
PRA	Particular Risk Analysis
PSAC	Plan for Software Aspects of Certification
PSEU	Proximity Sensing Electronics Unit
PSR	Primary Surveillance Radar
PSSA	Preliminary System Safety Assessment
Q	
QAN	Qualification Assessment Note
QFE	Field Elevation Atmospheric Pressure
QNH	Sea Level Atmospheric Pressure
QSEB	Quad Seat Electronic Box (for 4 passengers)
R	
R&D	Research and Development
R/T	Receiver Transmitter
RA	Radio Altimeter
RadioNAV	Radio Navigation
RCAU	Radio Control & Audio Unit
RDC	Remote Data Concentrator
REQ	REquirements
RJ45	Typical Ethernet Connector
RMP	Radio Management Panel
RMS	Radio Management System
RNAV	aRea NAVigation or Radio NAVigation
RNP	Required Navigation Performance
ROI	Return On Investment
RRJ	Russian Regional Jet
RTCA	Radio Technical Commission for Aeronautics
RVSM	Reduced Vertical Separation Minima
RWS	Reactive Wind Shear
S	
S/N	Serial Number
S/W	Software
SAAR	Special Aircrew and Aircraft Authorization Required
SAE	Society of Automotive Engineers
SAR	Search And Rescue
SAS	Software Accomplishment Summary
SAT	Static Air Temperature
SATCOM	SATellite COMmunications
SBB	Swift Broad Band
SBU	Strategic Business Unit
SCI	Secured Communication Interface
SCM	Software Configuration Management
SDB	Seat Data Box
SDP	Supplier Development Plan
SDS	System Definition Specification
SEB	Seat Electronic Box
SEC	Secondary
SELCAL	Selective Calling
SEMP	System Engineering & Development Plan

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Terms	Definition
SES	Supplier Equipment Specification
SEU	Single Event Upset
SFCC	Slats & Flaps Control Computer
SIB	System Integration Bench
SLI	Support Logistique Intégré
SMS	Short Medium Size (bizjet)
SOF	Safety Of Flight
SPD	Speed
SPS	Stall Protection System
SRU	Shop Replaceable Unit
SSA	System Safety Assessment
SSA	Side Slip Angle
SSD	Solid State Drive (mémoire flash)
SSDD	System Segment Design Document
SSEC	Static Source Error Correction
SSJ	Sukhoi Super Jet
SSR	Secondary Surveillance Radar
SSS	System Segment Specification
STBY	Standby
STC	Supplemental Type Certificate
STD	STanDard
SVDU	Smart Video Display Unit
SWM	Switch Module
T	
T/C	Top Of Climb (T/C)
T/D	Top Of Descent (T/D)
TA/RA	Traffic Advisory / Resolution Advisory
TAS	True Air Speed
TAT	Total Air Temperature
TAT	Turn Around Time
TAWS	Terrain Awareness and Warning System
TBD	To Be Defined
TBU	Technical Business Unit
TCA	Transport CAnada
TCAS	Traffic Alert and Collision Avoidance System
THAV	THales AVionics
THR	THRottle
TIS-B	Traffic Information Services - Broadcast
TKE	Track Angle Error
TMLLF	Terrain Masking Low Level Flight
TMPY	Temporary
TMS	Troubles Musculo-Squeletiques
TOC	Top Of Climb
TOD	Top Of Descent
TPCU	Tethered Passenger Control Unit
TQA	THRottle Quadrant Assembly
TRK	Track
TSM	Trouble Shooting Manual
TSO	Technical Standard Order
TWLU	Terminal Wireless Lan Unit

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Terms	Definition
U	
UAT	Universal Access Transceiver
UDP	User Datagram Protocol
UED	Undetected Erroneous Display
UED	Undetected Erroneous Data
UEF	Undetected Erroneous Functioning
UHF	Ultra High Frequency
V	
V/S	Vertical Speed (V/S)
VAC	Volts - Alternating Current
VDL	VHF Data Link
VDR	VHF Data radio
VDU	Video Display Unit
VHF	Very High Frequency
VMO	Maximum Operating Speed
VNAV	Vertical Navigation
VOR	Very High Frequency Omni Range
VSI	Vertical Speed Indicator
W	
W&B	Weight & Balance
W/S	Wind Shear
WANA	WCET analysis
WAP	Wireless Access Point
WATOG	World Airlines Technical Operations Glossary
WCET	Worst Case Execution Time
WGS84	World Geodetic System 1984
WLAN	Wireless Local Area Network
WOW	Weight on Wheels
WPT	WayPoint
WXR	Weather Radar
X	
XPDR	Transponder
XTK	Cross Track
Y	
Y/D	Yaw Damper
YDAU	Yaw Damper Actuator Unit
Z	
ZSA	Zonal Safety Analysis