

APPENDIX H - ABBREVIATIONS

A		D	
AA	Announced Address	D/A	Digital to Analog
AC	Altitude Code	DAC	Digital to Analog Converter
AC/ac	Alternating Current	dB	Decibel
ACAS	Airborne Collision Avoidance System	dB _i	Decibels above isotropic
ACS	Comm-A Capability Subfield	dB _m	Decibels above one milliwatt
A/D	Analog to Digital	dB W/m ²	Decibels above one watt per square meter
ADC	Analog to Digital Converter	DCXO	Digitally Compensated Crystal Oscillator
AIS	Comm-A Capability Subfield	DET	Detector
ALT	Altitude	DF	Downlink Format
AMPL	Amplifier	DI	Designator Identification
ANT	Antenna	Div	Division
AP	Address Parity	DMA	Direct Memory Access
AQ	Special Acquisition	DMM	Digital Multimeter
Assy	Assembly	DPCS	Dual Port RAM Chip Select
ATC	Air Traffic Control	DPOE	Dual Port RAM Output Enable
ATC	ATCRBS (on screen)	DPR	Dual Port RAM
ATCRBS	Air Traffic Control Radar Beacon System	DPSK	Differential Phase Shift Key
ATE	Automatic Test Equipment	DR	Downlink Request
ATTEN	Attenuation	DRAM	Dynamic RAM
AUTO	Automatic	DRVR	Driver
AVG	Average	DSP	Digital Signal Processor
	B	DTR	Data Terminal Ready
BATT	Battery		E
BCS	Comm-B Capability Subfield	ECS	Extended Capability Subfield
BDS	B-Definition Subfield	ELM	Extended Length Message
BIT	Built In Test	EOC	End of Cycle
BPF	Bandpass Filter	EPROM	Erasable Programmable Read-Only Memory
BR	Bridge Rectifier	ERP	Effective Radiated Power
BT	Battery	ESB	Encoded Sense Bits
	C	Ext	External
C	Centigrade		F
CA	Transponder Capability	FCC	Federal Communications Commission
CAS	Column Address Strobe	FET	Field Effect Transistor
CFS	Continuation Subfield	FIFO	First In First Out
CHAN	Channel	FPM	Feet Per Minute
CHC	Cancel Horizontal Resolution Advisory Complement	FREQ	Frequency
CLI	Coordination Lock Indicator	FS	Flight Status
CMOS	Complementary Metal-Oxide Semiconductor	Ft	Feet
COMM	Communication		G
COMP	Compensator	GEN	Generator
CONT	Control	GND	Ground
Cont	Continued	GPIO	General Purpose Interface Bus
COMPTR	Comparator		
CTS	Clear to Send		
CVC	Cancel Vertical Resolution Advisory Complement		
CW	Continuous Wave		

H

h	Hexadecimal
HET	Heterodyne
hr	Hour
HRC	Horizontal Resolution Advisory Complement
Hz	Hertz

I

ID	Identification (4906 Code)
IDS	Identifier Designators Subfield
IF	Intermediate Frequency
II	Interrogator Identification
IIS	Interrogator Identification Subfield
INTERR	Interrogation
I/O	Input/Output
ITM	Intermode

K

KE	ELM Control
kHz	Kilohertz (10^3)
km	Kilometer (10^3)
kts	Knots (Velocity)

L

LC	Inductor-Capacitor
LCA	Logic Cell Array
LCD	Liquid Crystal Display
LCK	Coordination Lock Subfield
LCS	Lower Chip Select
LED	Light Emitting Diode
LO	Local Oscillation
LOAMP	Logarithmic Amplifier
LOG	Logarithmic
LOS	Lockout Subfield
LPF	Low-Pass Filter
LSD	Least Significant Digit

M

m	meters
MA	Comm-A Message
Max	Maximum
MB	Comm-B Message
MBS	Multisite Comm-B Subfield
MC	Comm-C Message
MCS	Mid-Range Chip Select
MD	Comm-D Message
MEAS	Measure
MES	Multisite ELM Subfield
MHz	Megahertz (10^6)
MID	Mode S Address
MOD	Modulator
MON	Monitor
MPU	Microprocessing Unit
ms	Millisecond (10^{-3})
MSD	Most Significant Digit
MTB	Multiple Threat Bit
MTL	Minimum Triggering Level
MU	Comm-U Message
MUX	Multiplexer
MV	Comm-V Message

N

N/A	Not Applicable
NC	C-Segment Number
ND	D-Segment Number
nmi	Nautical Miles
NO	Number
ns	Nanosecond (10^{-9})

P

PAL	Programmable Array Logic
PC	Protocol
PC	Printed Circuit
PCB	Printed Circuit Board
PCS	Peripheral Chip Select
PI	Parity/Interrogator Identity
PLCS	Places
PPG	Pulse Power Gate
PPM	Pulse Position Modulation
PR	Reply Probability
PRF	Pulse Repetition Frequency
PROM	Programmable Read-Only Memory
PSK	Phase Shift Keying
PWM	Pulse Width Modulation
PWR	Power

R		U	
RAM	Random Access Memory	UART	Universal Asynchronous Receiver-Transmitter
RAC	Resolution Advisory Complement	UCS	Upper Chip Select
RAS	Row Address Strobe	UDS	U-Definition Subfield
RC	Reply Control	UF	Uplink Format
RC	Resistor-Capacitor	UM	Utility Message
RCV	Receive	UUT	Unit Under Test
RCVR	Receiver		
Ref	Reference	V	
REFLD	Reflected	V	Volts
RF	Radio Frequency	Vp	Volts, Peak
RGLTR	Regulator	Vp-p	Volts, Peak-to-Peak
RI	Reply Information, Air-to-Air	VAC	Volts Alternating Current
RL	Reply Length	VCO	Voltage Controlled Oscillator
RMS	Root Mean Square	Vdc	Volts Direct Current
ROM	Read Only Memory	VDS	V-Definition Subfield
RR	Reply Request	VERS	Version
RRS	Reply Request Subfield	VRAM	Video Random Access Memory
RSS	Reservation Status Subfield	VRC	Vertical Resolution Advisory Complement
RTCA	Radio Technical Commission for Aeronautics	Vrms	Volts Root Mean Square
RX	Receive	VS	Vertical Status
		VSWR	Voltage Standing Wave Ratio
S		W	
SAM	Serial Access Memory	W	Watts
SAT	Select At Test		
SCOPE	Oscilloscope	X	
SD	Special Designator	XCVR	Transceiver
sec	Second(s)	XMTR	Transmitter
SL	Sensitivity Level	XOR	Exclusive OR
SLS	Side Lobe Suppression	XPDR	Transponder
SMENU	Sequence Menu		
SNSR	Sensor		
SPI	Special Identifier Pulse		
SPR	Synchronous Phase Reversal	μF	Microfarad
SRCS	Static RAM Chip Select	μH	Microhenry
SROE	Static RAM Output Enable	μs	Microsecond
SRWE	Static RAM Write Enable		
SRQ	Service Request		
SRS	Segment Request Subfield		
SSR	Secondary Surveillance Radar		
SW	Switch		
SYNC	Synchronization		
T			
TAS	Transmission Acknowledgement Subfield		
TCAS	Traffic Alert and Collision Avoidance System		
TEMP	Temperature		
TMS	Tactical Message Subfield		
Trig	Trigger		
TTL	Transistor- Transistor Logic		
TX	Transmit		



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