

# Falcon BMS

## Your Acronym Companion

Compiled by **Outpost**

*Acronyms are listed in alphabetical order but I recommend using the search function in your PDF reader.*

**2D:** 2 Dimensional

**3D:** 3 Dimensional

**A/A TR:** Air-To-Air Transmit/Receive Mode

**A/A:** Air to Air  
**A-A:**

**A/B:** Afterburner  
**AB:**

**A/C GW:** Aircraft Gross Weight

**A/P:** Autopilot  
**AP:**

**AA:** Aspect Angle

**AAA:** Anti-Aircraft Artillery

**AAF:** Attitude Advisory Function

**AAM:** Air to Air Missile

**AAR:** Air to Air Refueling

**AARA:** Air to Air Refueling Area

**AARC:** Air to Air Refueling Controller

**AATR:** Air-To-Air Transmit/Receive

**ABCCC:** Airborne Battlefield Command And Control Center

**ABP:** Air Battle Plan

**AC:** ❖ Aircraft  
❖ Aircraft Control  
❖ Alternating Current

**ACA:** Airspace Coordination Area

**ACAL:** Altitude Calibration  
**A-CAL:**

**ACBT:** Air Combat Training

**ACC:** Air Combat Command

**ACE:** ❖ Aviation Combat Element  
❖ Airborne Command Element

**ACFT:** Aircraft

**ACM:** ❖ Air Combat Maneuvering  
❖ Air Combat Mode  
A radar mode used against targets that are within visual range

**ACMI:** Air Combat Maneuvering Instrumentation  
A system used to record your flight for later review

**ACO:** Airspace Control Order

**ACQ:** Acquisition Cursor  
The RADAR acquisition cursor (aka captain's bars) on the FCR

**ACT:** ❖ Air Combat Tactics  
❖ Activity

**AD:** Arming Delay

**ADA:** Air Defense Artillery

**ADC:** Air Data Converter

**ADF:** Automatic Direction Finder

**ADI:** Attitude Direction Indicator  
The round instrument in the center of the panel showing your attitude relative to the horizon

**ADIZ:** Air Defense Identification Zone

**ADLINK:** Air to Air Datalink information

**Admin:** Administrative

**ADV:** ❖ Advanced  
❖ Air Defense Variant

**AETC:** Air Education and Training Command

**AEW:** Airborne Electronic Warfare

**AF:** ❖ Air Force  
❖ Anisotropic Filtering

**AFAC:** Airborne Forward Air Controller

**AFB:** Air Force Base

**AFFSA:** Air Force Flight Standards Agency

**AFI:** Air Force Instruction

**AFM:** ❖ Advanced Flight Model  
❖ Accurate Flight Model  
❖ Aircraft Flight Manual

**AFMAN:** Air Force Manual

- AFP:** ❖ American Fighter Pilot  
❖ Area Flight Plan  
❖ Air Force Program  
❖ Adaptive Force Packaging

**AFPD:** Air Force Policy Directive

**AFRC:** Armed Forces Reserve Command

**AFSOC:** Air Force Special Operations Command

**AFT:** Not an acronym.  
Meaning: toward, or in the stern of a ship or the tail of an aircraft

**AFTO:** Air Force Technical Order

**AFTTP:** Air Force Tactics, Techniques, and Procedures

**AG:**

**A/G:** Air to Ground

**A-G:**

**AGL:** Above Ground Level

**AGM:** Air to Ground Missile

**AGR:** Air-To-Ground Ranging

**AGSM:** Anti-G Straining Maneuver

**AGTS:** Aerial Gunnery Target System

**AHAS:** Avian Hazard Advisory System

**AHC:** Aircraft Handling Characteristics

**AI:** ❖ Artificial Intelligence

❖ Airborne Intercept

❖ Air Interdiction

**AIFF:** Advanced Identification, Friend or Foe

**AIM:** Air Intercept Missile

**AIP:** Aeronautical Information Publication

**AIS:** Aircraft Instrumentation System

**AJP:** Allied Joint Publication

**AL:** Aft Left

**FR:** Forward Right

Marked on the needles of the fuel gauge, and points to the fuel quantity remaining in the left internal wing tank or left external tank depending on the position of the knob on the Fuel Quantity panel.

**ALB:** Air Land Battle

**ALE:** Air Launched Expendable

**ALIC:** Air Launcher Interface Computer  
Sends instructions to a missile

**ALN:** Align

**ALO:** Altitude Low symbology

**ALOW:** Automatic Low Altitude Warning

**A-LOW:** Altitude-LOW  
Found on the center console (ICP)  
Where the pilot can setup the altitude advisory system.

**ALR:** Artillery Locating Radar

**ALRS:** Alerting Service

**ALS:** Airport Lighting System

**ALSF:** Approach Lighting System with  
Sequenced Flashing Lights

**ALT:** ❖ Altitude  
❖ Altimeter  
❖ Alternate

**ALTRV:** Altitude Reservation

**AM:** Amplitude Modulation

**AMC:** Air Mobility Command

**AMD:** Acceleration Monitoring Device

**AMMO:** Ammunition

**AMRAAM:** Advanced Medium Range Air to Air  
Missile

**AMS:** Advanced Mode switch

**AMUX:** A-Multiplex Bus

**AN:** Not an acronym

**AN/:** Most U.S. military electronics equipment has designations in the form AN/ABC-99, in which AN/ (note slash) is purely an identification for a designation system, not an abbreviation. This always-evolving system began as the Joint (Army-Navy) Electronics Type Designation System.

**ANG:** Air National Guard

**ANT:** Antenna

**ANT:** Antenna

**ANV:** Aviation Night Vision

**AOA:** Angle of Attack

The difference between pitch attitude and flight path angle.  
(Assumes no wind).

**AOB:** ❖ Air Order of Battle  
❖ Angle of Bank

**AOD:** Aim-Off Distance

**AOR:** Area of Responsibility

**APC:** Armored Personnel Carrier

**API:** Armor Piercing Incendiary

**APRON:** (Not an acronym)

The area of an airport where aircraft are parked, unloaded or loaded, refueled, or boarded.

**AR:** ❖ Air Refueling  
❖ Action Range

**ARA:** Airborne Radar Approach

**ARCDME:** Arc-Distance Measuring Equipment

**DME ARK:** A procedure used to transition from the enroute environment to an instrument approach over a segment of an imaginary circle whose radius is defined by a DME distance from the VOR.

**ARCP:** Air Refueling Control Point

**ARCT:** Air Refueling Contact Time

**ARE:** Altitude Reservations East

**AREP:** Air Refueling Entry Point

**ARI:** Aileron-Rudder Interconnect

Provides automatic coordinated turns by moving the rudder along with the ailerons to compensate for aileron induced yaw effect.

**ARIP:** Air Refueling Initial Point

**ARM:** Anti-Radiation Missiles

**ARMT:** Armament

**ARTCC:** Air Route Traffic Control Center

**ASAP:** As Soon As Possible

**ASC:** Attack Steering Cue

**ASCC:** Air Standardization Coordinating Committee

**ASCII:** American Standard Code 2

A character encoding standard for electronic communication.

**ASEC:** Allowable Steering Error Circle

A variable diameter circle displayed on the HUD and MFD when an AIM-120 is the selected weapon.

**ASGN:** Assign

**ASL:** Azimuth Steering Line

**ASLAR:** Aircraft Surge Launch and Recovery

**ASOC:** Air Support Operations Center

**ASR:** Airport Surveillance Radar

**ATA:** Antenna Train Angle

**ATC:** Air Traffic Control

**ATCAA:** Air Traffic Control Assigned  
Airspace

**ATF:** Automatic Terrain Following

**ATIS:** Automated Terminal Information  
Service

**ATK AZ:** Attack Azimuth

**ATK:** Attack

**ATLIS:** Automatic Tracking and Laser  
Integration System

**ATO:** Air Tasking Order  
Known as the "frag order". A plan of  
action used within a theater.

**ATP:** ❖ Advanced Targeting Pod  
❖ Allied Tactical Publication

**ATT:** Attitude

**ATTD:** Attitude Discontinue  
An indicator on the Pilot Fault List

**AUTO:** Automatic

**AUX:** Auxiliary

**AV:** Avionics

**AVANA:** Approval Void if Aircraft Not Airborne

**AVTR:** Airborne Video Tape Recorder  
The video recorder used by the ACMI  
system

**AWACS:** Airborne Warning and Control System

**AWOS:** Automated Weather Observation  
System

**AZ:** Azimuth

**BA:** Burst Altitude  
The altitude set for a bomb to explode

**BAK:** Barrier Arresting Kit

The arrestment cables used to stop an aircraft after landing.

**BARO:** Barometric

**BATR:** Bullets at Target Range

A 6-mil circle displayed after the trigger is squeezed and the bullets have travelled to the target to show a record of where the guns cross has been pointed (corrected for gravity drop).

**BATT:** Battery

**BCN:** Beacon

**BD:** Battle Damage

- BDA:**
- ❖ Boom Drogue Adapter
  - ❖ Bomb Damage Assessment
  - ❖ Battle Damage Assessment

Same as reconnaissance but post-strike to evaluate the strike effectiveness. Mission success conditions are the same as for recon flights.

**BDU:** Bomb Dummy Unit

**BE:** Bullseye

**BFL:** Bomb Fall Line

**BFM:** Basic Fighter Maneuvers

**BHOT:** Black Objects as Hot

The FLIR video can show white objects as hot (WHOT) or black objects as hot (BHOT). Polarity can be changed by pressing OSB 6 hands off or by TMS-left on the HOTAS (with TGP as SOI).

**BI:** Burst Interval

- BIT:**
- ❖ Built-In Test
  - ❖ Binary Digit

**BL:** Bomb Live

**BLK:** Block

**BLKR:** Interference blanker unit

A subsystem mnemonic that can show up on the Maintenance Fault List (MFL)

**BLU:** Bomb Live Unit

**BMC:** Basic Mission Capable

**BMP:** Boyevaya Mashina Pehoti (Russian)  
Meaning: Soviet Mechanized Infantry Vehicle

**BMS:** Benchmark Sims

**BMUX:** B-Multiplex Bus

**BOL:** Bearing Only Launch (mode)

**BORE:** Boresight

**BOW:** Black-On-White  
(Polarity contrast option)

**BP:** Bypass

**BQ:** Burst Quantity

**BR:** Bomb Range

**BRA:** Bearing, Range, and Altitude

**BRAA:** Bearing, Range Altitude And Aspect

**BRT:** Bright

**BSGT:** Boresight Ground Target

**BSU:** Bomb Stabilizing Unit

**BTF:** Bugged Track File

**BUC:** Backup Fuel Control

**BUP:** Backup

**BVR:** Beyond Visual Range

**BW:** Bandwidth

**BYP:** Bypass

**BZ:** Buffer Zone

**C.S.:** Call Sign

**C02:** Carbon Dioxide

**C3I:** Command, Control, Communications,  
and Intelligence

**CADC:** ❖ Corps Air Defense Center  
❖ Central Air Data Computer  
Internal malfunction (Status light)  
Not implemented in BMS. It does  
come on during the MAL & IND LTS  
test though.

**CAF:** ❖ Combat Air Forces  
❖ Canadian Air Force

**CAL:** Calibrate

**CAOC:** Combined Air Operation Centre

- CAP:** ❖ 1) *Critical Action Procedure*  
❖ 2) *Combat Air Patrol*

**CAPS:** ❖ Critical Action Procedures

**AMBUSHCA P:** A Combat Air Patrol hiding from the Opposing Force, usually behind a mountain at low altitude.

**BARCAP:** ❖ BARrier Combat Air Patrol  
A standard Combat Air Patrol protecting a geographical area from enemy aircraft.

**HARMCAP:** HARM Combat Air Patrol  
Using HARM missiles to take out SAM sites and/or their associated radar.

**HAVCAP:** ❖ High Value Combat Air Patrol  
A Combat Air Patrol Protecting a high value asset.

**RESCAP:** ❖ Rescue Combat Air Patrol  
A Combat Air Patrol protecting a combat search and rescue operation.

**TARCAP:** ❖ Target Combat Air Patrol  
A defensive Combat Air Patrol protecting a target zone.

**CARA:** Combined Altitude Radar Altimeter

**CARF:** Central Airspace Reservation Function

**CARF:** Central Airspace Reservation Function

**CAS:** ❖ Calibrated Air Speed  
❖ Close Air Support  
A strike mission flown against enemy ground units in combat with friendly ground units

**CAT:** Category

**CATA:** Collision Antenna Train Angle  
The azimuth of the radar antenna when tracking a target that is on a collision course with the fighter. This is the fighter's quickest route to an intercept/collision/tally with the target.

**CAVOK:** Cloud and Visibility Okay  
(International Civil Aviation Organization(ICAO) term meaning no significant clouds below 5,000 ft, visibility at least six miles, no precipitation or storms).

**CBU:** Cluster Bomb Unit

**CC:** Company Commander

**CCC:** Command, Control, and  
**C3:** Communications

**CCD:** Camouflage, Concealment, and  
Deception

**CCIL:** Continuously Computed  
Impact Line

**CCIP:** Continuously Computed Impact Point

**CCRP:** Continuously Computed Release Point

**CCU:** Cockpit Control Unit

**CCW:** CounterClockWise

**CDI:** Course Deviation Indicator  
The arrow in the HSI that can be set to  
a specific Course.

**CDM:** Climb Dive Marker

**CE:** Combat Edge  
A positive-pressure system for  
breathing which provides pilots  
additional protection against high  
positive G accelerations experienced  
during flight.

**CEN:** Centered

**CENC:** Convergent Exhaust Nozzle Control

**CENTAF:** Central Air Forces

**CENTCOM:** Central Command

**CEP:** Circular Error of Probability  
A measure of a weapon system's  
precision.

**CFT:** Cockpit Familiarization Trainer

**CG:** Center of Gravity

**CH:** Chaff

**CHAN:** Channel

**CHUM:** Chart Update Manual

**CITS:** Control Integrated Test System

**CIU:** Central Interface Unit

**CJCSI:** Chairman of the Joint Chiefs of Staff  
Instruction

**CKPTBLNK** Cockpit Blanking

**CKPT:** Cockpit

**CLM:** Climbing Safe Escape Maneuver

**CLR:** Clear

**CMBT:** Combat

**CMD:** Command

- CMDS:** ❖ Cockpit Management Display System  
❖ Countermeasures Dispensing System

**CMR:** Combat Mission Ready

**CMS:** Cockpit Management System

**CNI:** COMM-NAV-IFF  
Communications, Navigation,  
Identification Friend Or Foe

**CNTL:** Control

**COH:** Cold on Hot  
Cold-on-Hot polarity contrast option  
that forces the WPN page to track only  
black targets

- COMAO:** ❖ Combined Air Operations  
❖ Composite Air Operation

**COMM:** Communications

**COMSEC:** Communications Security

**CONT:** Continuous

**CONUS:** Continental United States  
The 48 CONTiguous States and the  
District of Columbia

**CONVEX:** Convoy Exercise

**COOP:** Cooperative

**CORR:** Correction

**COS:** Cosine

**CP:** Contact Point

**CPL:** Coupled

**CPU:** Central Processing Unit

**CRC:** Control and Reporting Center

**CRM:** Combined Radar Mode  
Combines the air-to-air radar sub-  
modes into a single mode consisting of  
RWS, LRS, VSR, and TWS sub-modes.

**CRN:** Chronometer

**CRS:** Course Selector  
The knob on the lower right of the HSI  
used to set a Course Heading.

**CRUS:** Cruise

**CSAR:** Combat Search and Rescue

**CSEM:** Climbing Safe Escape Maneuver

**CSW:** Course Select Window

**CT:** Continuation Training

**CTD:** Crash To Desktop

**CTO:** Conventional Take-Off

**CTVS:** Cockpit Television Sensor

**CW:** ❖ ClockWise

❖ Continuous-Wave (Radar)

**CZ:** Cursor Zero

**DA:** Direct Access

**DACBT:** Dissimilar Air Combat Training

**DACT:** Dissimilar Air Combat Tactics

**DART:** Aircraft rocket/aerial gunnery target

**DART:** Brevity word

Aircraft Rocket/Aerial Gunnery Target

**DAS:** Distributed Aperture System

**DASH:** Not an acronym

The "owner's manual" for the aircraft. The manual is divided into many sections. Each section each section ends with a dash ` - ` then a number.

**DB:** ❖ Dive Bomb

❖ Data Base

**DBS:** Doppler Beam Sharpening

**DBU:** Digital Backup Unit

**DC:** Direct Current

**DCA:** Defensive Counter Air

An air-to-air mission flown to protect a friendly target from enemy aircraft

**DCLT:** De-clutter

**DCPL:** Decoupled

**DCS:** Data Command Switch

The 4 way toggle switch on the bottom center of the ICP.

**DDS:** DirectDraw Surface

**DEAD:** Destruction of Enemy Air Defenses

**DEC:** Digital Electronic Control

**DED:** Data Entry Display  
The digital display above the right MFD

**DEEC:** Digital Electronic Engine Computer

**DEG:** Degree

**DEGR:** Degradation

**DEPR RET:** Depressible Reticle  
A 3 position switch used for standby bombing mode.

**DES:** Destination

**DEST:** Destination

**DF:** Direction Finder

**DF:** ❖ Dog Fight  
❖ Direction Finding (Antenna)

**DFLCS:** Digital Flight Control System

**DGFT:** Dogfight mode

**DH:** Decision Height

**DHCP:** Dynamic Host Configuration Protocol  
A network server that automatically provides and assigns IP addresses

**DI:** Drag Index

**DIR:** ❖ Direct Aim  
❖ Directory

**DISC:** Disconnect

**DL:** ❖ Datalink (Switch)  
Powers up the data link modem.  
❖ Download

**DLINK:** ❖ DataLink  
**DLNK:** ❖ Data Modem

**DLO:** Desired Learning Objectives

**DLZ:** Dynamic Launch Zone.  
A weapon release bracket displayed on the FCR and HUD

**DMC:** Digital Maneuvering Cue  
A two-digit angle value, above the target closure value, representing what a target would have to turn to degrade probability of missile intercept.

**DMD:** Demand

**DME:** Distance Measuring Equipment

**DMPI:** ❖ Designated Mean Point of Impact  
❖ Desired Mean Point of Impact  
❖ Desired Munitions Point of Impact

**DMS:** Display Management Switch

**DMUX BUS:** D-Multiplex Bus

**DN:** Down

**DNIF:** Duty Not Involving Flying

**DO:** Director of Operations

**DOD:** Department of Defense

**DOF:** ❖ Depth of Field  
❖ Degrees of Freedom

**DOS:** Disk Operating System

**DPRK:** Democratic People's Republic of Korea

**DR:** Dead Reckoning  
Navigation using calculations based on airspeed, course, heading, wind speed and direction, ground speed, and time.

**DRNG:** Down Range

**DRU:** Direct Reporting Unit

**DSP:** ❖ Digital Signal Processor  
❖ Defense Standardization Program

**DSPN:** Dispenser

**DTC:** Data Transfer Cartridge

**DTE:** Data Transfer Equipment

**DTOS:** Dive Toss (Air-ground mode)

**DTS:** ❖ Digital Terrain System  
❖ Data Transfer System

**DTSB:** Detected Threat Status Box

The green rectangle on the top of the WPN page that lists detected threats.

**DTU:** Data Transfer Unit panel

**DWAT:** Descent Warning After Takeoff

Provides an audio warning of an unintended dive or descent during the departure phase of flight

**DX:** Direct X

**EADI:** Electronic Attitude Director Indicator

**EAF:** Egyptian Air Force

**EBL:** Emergency Boom Latching

**ECCM:** Electronic Counter-Countermeasures

**ECM:** Electronic Counter Measures  
Jammers, chaff/flares, and other electronic counter measures.

**ECR:** Electric Combat/Reconnaissance  
It is a Panavia Tornado variant devoted to Suppression of Enemy Air Defenses (SEAD) missions operated by Germany and Italy.

**ECS:** Environmental Control System

**EDR:** Endurance (Mode)

**EDS:** Electronic Data Systems

**EDU:** Engine Diagnostic Unit

**EEC:** Electronic Engine Control

**EED:** Electronic Engine Display

**EEGS:** Enhanced Envelope Gun Sight  
Is a shifting funnel in the HUD that allows the pilot to match the wingspan of the target with the width of the funnel to determine the proper firing range.

**EFOV:** Extended Field Of View  
Identical to HUD only view but keeps padlocked targets in sight.

**EGEA:** End Game Entry Altitude

**EGI:** Embedded Global Positioning & Inertial Navigation System

**EGT:** Exhaust Gas Temperature

**EHSI:** Electronic Horizontal Situation Indicator

**EIA:** Extended Interruptive Alignment

**EID:** Electronic Identification

**EL BAR:** Elevation Bar

**ELEC:** Electrical

**ELEV:** Elevation  
**ELV:**

**EMCON:** Emission Control  
State of minimal radio emissions.

**EMER:** Emergency

**EMF:** Eastern Mediterranean Front).

**EMR:** ❖ Emergency Manual Release  
❖ Execution Management Replanner  
(See TBMCS)

**EMS:** Engine Monitoring System

**EMSC:** Engine Monitoring System Computer

**ENDR:** Endurance

**ENG:** Engine

**ENJJPT:** Euro-NATO Joint Jet Pilot Training

**ENTR:** Enter

**EO:** Electro-Optical

**EOB:** Electronic Order of Battle

**EOM:** Equation of Motion  
The most accurate POS sub mode.  
Normally only for fixed targets.

**EOR:** End of Runway

**EP:** Emergency Procedure

**EPAF:** European Participating Air Force

**EPU:** Emergency Power Unit

**$E_s$ :** Specific Energy

**ET:** Extended Trail

**ETA:** Estimated Time of Arrival

**ETE:** Estimated Time Enroute

**EU:** Electronic Unit

**EUCARF:** European Centralized Airspace  
Reservation Facility

**EW:** Electronic Warfare

**EWS:** Electronic Warfare System

**EXP:** Expand (Mode)  
Has two levels EXP1 & EXP2

**EXT:** External

**F-16:** (Fighting Falcon) - Affectionately called  
the "Viper," is a fourth-generation  
multirole fighter jet.

**F4UT:** Falcon 4 Unified Team

**FAA:** Federal Aviation Administration

**FAC:** Forward Air Controller  
Aircraft intended to ensure the safety  
of friendly troops during close air  
support.

**FAC-A:** Forward Air Controller-Air

**FAC-G:** Forward Air Controller-Ground

**F-ACK:** Fault Acknowledge

**FAF:** Final Approach Fix

**FAM:** Familiarization

**FBO:** Fixed Base Operator

**FBY:** Flyby

**FCC:** Fire Control Computer

**FCIF:** Flight Crew Information File

**FCNP:** Fire Control/Navigation Panel

**FCP:** Front Cockpit

**FCR:** Fire Control Radar  
Guides weapons to target.

**FCS:** Flight Control System

**FD:** Flight Director

**FDBK:** Feedback

Enables/disables the "CHAFF FLARE" VMU message, used to indicate that an expendable program has been initiated.

**FDR:** Flight Data Recorder

**FE:** Flight Examiner

**FEBA:** Forward Edge Battle Area

**FEDS:** Firing Evaluation Display System

**FENCE:** An acronym used to assure a thorough check of combat capabilities is carried out. This check should be done prior to and/or right after takeoff.  
*See (F-16\_Flight\_Manual\_v5) 5.5.1. Fence Check (Page 125).*

**FF:** Fuel Flow

**FFB:** Force Feedback

**FFP:** Fuel Flow Proportioner

**FINS:** Fixed Imaging Navigation Set

**FIR:** Flight Information Region

A specified region of airspace in which a flight information service and an alerting service (ALRS) are provided.

- FL:**
- ❖ Flight Level
  - ❖ Flight Lead
  - ❖ Flares

*FLCC:* Flight Control Computer

*FLCP:* Flight Control Panel

*FLCS* Single Electronic or Sensor Failure In  
*SNGL* FLCS

*FAIL:*

*FLCS:* Flight Control System

*FLIP:* Flight Information Publications

*FLIR:* Forward-Looking Infra-Red  
A pod carried by the F16 that provides cockpit infrared video of the view ahead.

*FLO:* First Launch Opportunity

*FLOT:* Forward Line of Troops  
The "front line" of the war

*FLS:* Flight Suspension

*FLUG:* Flight Lead Upgrade Program

*FLUP* Fly Up

- FM:*
- ❖ Frequency Modulation
  - ❖ Fluid Maneuvering
  - ❖ Flight Model

*FMS:* Fuel Measurement System

*FMU:* Field Maintenance Unit

*FO:* Flame-Out

*FOA:* Field Operating Agency

*FOD:* Foreign Object Damage

*FORM:* Formation

*FOS:* Fuel Onboard at Station

*FOV:* Field of View

*FPA:* Flight Path Angle

*FPL:* Flight Plan

*FPM:* Flight Path Marker

The indicator on the HUD which shows the direction the aircraft is moving.

*fpm:* Feet per Minute

*fps:* Feet per Second

*FPS:* Frames Per Second

*FQDN:* Fully Qualified Domain Name

**FR:** Forward Right

Marked on one of the needles on the fuel gauge, and points to the fuel quantity remaining in the right internal wing tank or right external tank or in the center external tank depending on the position of the knob on the Fuel Quantity panel.

**FRAG ORDER:** An abbreviated form of an operation order (verbal, written or digital) usually issued on a day-to-day basis that eliminates the need for restating information contained in a basic operation order.

- FRAG:**
- ❖ Fragmentation  
Denoting the fragmentation of ordnance after detonation
  - ❖ Flaps, Radio, Air-Conditioning, and Gear. (aviation slang)
  - ❖ Fragmentary Order

**FRL:** Fuselage Reference Line

**FRQ:** Frequency

- FS:**
- ❖ Flight Simulator
  - ❖ Fighter Squadron

**FSCL:** Fire Support Coordination Line

**FSS:** Flight Service Station

**ft:** Feet  
**FT:**

**FTIT:** Fan Turbine Inlet Temperature

**FTT:** Fixed Target Track

**FTU:** Formal Training Unit

**FWD:** Forward

**FYI:** For Your Information

**FZ:** Freeze

**G:** The force of gravity (3 G's is three times the force of gravity)

**GA:** Go Around (mode)

**GAC:** General Avionics Computer

**GAL:** Gallon

**GBU:** Guided Bomb Unit

**GCA:** Ground Controlled Approach

**GCAS:** Ground Collision Avoidance System

**GCI:** Ground Controlled Intercept

**GDLINK:** Air to Ground Datalink information

**GE:** General Electric

**GEN:** Generator

**GEOREF:** Geographic Reference

**GFI:** Ground Forces Intelligence

**GFIS:** Ground Forces Intelligence Survey

**GHL:** Ghost Horizon Line

**GLO:** Ground Liaison Officer

**GLOC:** Gravity-induced Loss of Consciousness

**GM:** Ground Map

**GMT:** Ground Moving Target

**GND SPD:** Ground Speed

**GND:** Ground

**GP:** General Purpose (bomb)

**GPS:** Global Positioning System

**GR:** Radial G  
The vectored sum of cockpit G and gravity.

**GRD:** Guard

**GRIB:** GRidded Information In Binary  
GRIB files provide a low cost way of getting a great deal of weather forecast information.

**GS:** ❖ Ground Speed  
❖ Glide Slope  
❖ Gun Sight

**GU:** Ground Unit

**GUI:** Graphical User Interface

**GW:** Gross Weight

**HAAR:** ❖ High Altitude Aerial Reconnaissance  
❖ Helicopter Air-to-Air Refueling

**HAD:** Harm Attack Display

**HADB:** High Altitude Dive Bomb

**HADF:** Handoff

**HARB:** High Altitude Release Bomb

**HARM:** High-speed Anti-Radiation Missile

**HARMS:** High-Speed Anti-Radiation Missile

**HART:** ❖ Horn Awareness Recovery Training  
❖ Hardened Artillery

**HARTS:** ❖ Hardened Artillery Shelter  
❖ Horn Awareness and Recovery Training Series

**HAS:** ❖ HARM as Sensor (Mode)  
❖ Hardened Aircraft Shelter

**HAT:** Height Above Touchdown

**HCA:** Heading Crossing Angle  
In air interception, the angular difference between the interceptor heading and the target heading at the time of intercept.

**HD:** High Drag

**HDD:** Heads Down Display

**HDG SEL:** Heading Select

**HDG:** Heading

**HDPT:** Hard Point  
Left and right HDPT switches on the SNSR PWR panel control power to the left and right chin pylons under the fuselage.

**HDR:** ❖ High Dynamic Range  
❖ High-Definition Rendering

**HE:** High Explosive

**HEI:** High Explosive Incendiary

**HF:** High Frequency

**Hg:** Hydrargyrum (Formerly named)  
Is now know as Mercury

**HHQ:** Higher Headquarters

**HI:** High Illumination

**HID:** Human Interface Device  
Specifies a device class for human interface devices such as keyboards, mice, game controllers and alphanumeric display devices.

**HMC:** HUD Mark Cue

**HMCS:** Helmet Mounted Cueing System

**HMPT:** Home Plate

**HOB:** Height Of Burst

**HOBO:** Hands-On Blackout

Switch is used to allow the pilot to control the aircraft's lighting with the HOTAS. It is not modeled in Falcon BMS.

**HOBS** High Off-Boresight

**HOC:** Hot on Cold

Hot-on-cold polarity contrast option that forces the WPN page to track only white targets

**HOD:** ❖ Head of Department  
❖ Head of Delegation

**HOJ:** Home On Jam

**HOM:** Home

**HOTAS:** Hands on Throttle and Stick

**HPRF:** High Pulse Repetition Frequency

**HQ:** ❖ Head Quarters  
❖ Higher Quality  
❖ Highly Qualified  
❖ Hardware Qualification

**HSD:** Horizontal Situation Display

**HSI:** Horizontal Situation Indicator

**HST:** History

**HTML:** Hypertext Markup Language

The standard markup language for creating web pages and web applications

**HTS:** Harm Targeting System

**HUD** HUD Blanking  
**BLNK:**

**HUD:** Heads-Up Display

**HYD:** Hydraulic

**HYDRAZN:** Hydrazine (Used to fuel the EPU)

**Hz:** Hertz

**I/P:** Identification of Position

**IAA:** Initial AIM Off Angle

**IADS:** Integrated Air Defense System

**IAF:** Initial Approach Fix

**IAM:** Inertially-Aided Munitions

**IAMs:** Inertially Aided Munitions

A self-contained GPS-aided INS, which guides the weapon from the release point to target coordinates regardless of weather, camouflage, or obscurants.

**IAS:** Indicated Airspeed

Is the pilot's primary airspeed reference when operating below transonic or supersonic speeds.

**IAW:** In Accordance With

**IBIT:** Initiate Built in Test

Initiate Built in Test (IBIT) on engine start to insure a fully functioning Flight Control System.

**IBIT:** Initiated Built-In Test

**IC:** Interim Change

**ICITS:** Interruptive Control Integrated Test System

**ICP:** Integrated Control Panel

The panel directly under the HUD

**ID:** Identification

**IDENT:** Identification

**IDM:** Improved Data Modem

A wireless digital modem that operates in conjunction with on-board radios and the rest of the avionic system to provide data communications with other users.

**IDS:** ❖ Interdictor/Strike

A Panavia Tornado variant

❖ Independent Disconnect System (Air to Air Refueling)

**IF:** Instructional Fixes

**IFA:** In-Flight Alignment

**IFDL:** Inter/Intra-Flight Data Link

**IFF:** Identification Friend or Foe

**IFR:** Instrument Flight Rules

**IFV:** Infantry Fighting Vehicle

**ILS DH:** Instrument Landing System Decision Height

The height at which the pilot needs to transition from instrument flight to visual flight.

**ILS:** Instrument Landing System  
Allows a pilot to follow a radio signal down to a runway in poor visibility conditions.

**IMC:** Instrument Meteorological Conditions

**IMP:** Impact

**INC:** Increase

**IND:** Indicator

**INOP:** Inoperative

**INR:** Inertial Rates  
One of a sniper pod's internal target tracking modes

**INS:** Inertial Navigation System  
Uses three gyroscopes to measure acceleration in each axis. This is integrated over time to track changes in position.

**INSM:** Inertial Navigation System Memory

**INST:** Instrument

**INT:** ❖ Intensity  
❖ Internal  
❖ Interval

**INTEL:** Intelligence  
Information of military or political value

**INTG:** Interrogation

**INU:** Inertial Navigation Unit

**INV:** Inventory

**IP:** ❖ Initial Point  
❖ Instructor Pilot  
❖ Internet Provider  
❖ Internet Protocol

**IPP:** Initial Pipper Placement

**IPUG:** Instructor Pilot Upgrade

**IQT:** Initial Qualification Training

**IR:** ❖ InfraRed  
❖ Instrument Route

**IRL:** In Real Life

**IRMD:** Infrared Missile Defense

**ISA RUD FAIL:** Rudder Servo Actuators Malfunction

**ISA:** Integrated Servo Actuator

**ISP:** Internet Service Provider

**ITO:** ❖ Instrument Takeoff  
❖ Israel Theater of Operations

**ITP:** Initial Target Placement

**IVC:** Internal Voice Communications

**JAPCC:** Joint Air Power Competence Centre

**JDAM:** Joint Direct Attack Munitions  
A satellite-guided "smart" bomb capable of accurate and high-precision strikes in any weather.

**JETDS:** Joint Electronics Type Designation System  
[https://en.wikipedia.org/wiki/Joint\\_Electronics\\_Type\\_Designation\\_System](https://en.wikipedia.org/wiki/Joint_Electronics_Type_Designation_System)  
(Click Link)

**JETT:** Jettison

**JFS:** Jet Fuel Starter

**JIZ:** Joint Standoff Weapon (JSOW) In-Zone

**JMEM:** Joint Munitions Employment Manual

**JMR:** Jammer

**JOAP:** Joint Oil Analysis Program

Analyzes oil samples from aircraft to see what metals are breaking down.

**JOKER & BINGO:** JOKER fuel is usually set above BINGO as a warning that BINGO is approaching.

BINGO is called out by Bitchin Betty when the amount of fuel remaining triggers an immediate return to home plate.

**Joker:** Fuel state above BINGO at which separation/bugout/event termination should begin.

**JSOW:** Joint Standoff Weapon

A family of low-cost, air-to-surface glided missiles.

**JSTAR:** ❖ Joint Surveillance Target Attack Radar  
❖ Joint System Threat Assessment Report

**JSTARS:** Joint Surveillance and Target Acquisition Radar System

**JTAC:** Joint Terminal Attack Controllers

**K:** Thousand (e.g., 40K = 40,000)

**KALMAN:** (Not an acronym)  
The Kalman filter is an adaptive control and signal processor. It is a structure for the active fault-tolerant aircraft flight control system that reconfigures against actuator/surface failures. A control reconfiguration action is taken to keep the performance of the impaired aircraft the same as that of an unimpaired aircraft.

**KCAS:** Knots Calibrated Airspeed

**KEAS:** Knots Equivalent Airspeed

**KIAS:** Knots Indicated Airspeed

**KIO:** Knock-It-Off

**KM:** Kilometer

**KOTAR:** Korean Tactical Range  
(Practice range)

**KT:** Knot(s)

**KTAS:** Knots True Airspeed

**KTO:** Korean Theatre of Operations

**kts:** Knots (a unit of speed)

**KY-58:** A secure voice module primarily used to encrypt radio communication

**LAAF:** ❖ LANTIRN Attitude Advisory Function  
❖ Low Altitude Advisory Function

**LAB:** ❖ Line Abreast  
❖ Low Angle Bomb

**LADD:** Low Angle Drogue Delivery  
A toss delivery in which the weapon was retarded by a drogue

**LAHD:** Low Angle High Drag

**LALD:** Low Angle Low Drag  
20LALD = 20° Low Altitude Low Drag.

**LAN:** ❖ Low Altitude Navigation  
❖ Local Area Network

**LAND:** A system fault in recording the landing time or if the airspeed falls below 80 kts with the gear down.

**LANTIRN:** Low Altitude Navigation & Targeting Infrared for Night

**LAR:** Launch Acceptable Region

**LAS:** Low-Angle Strafe

**LASER:** Light Amplification by Stimulated Emission of Radiation

**LASR:** Laser (Page)

**LAT/LNG:** Latitude/Longitude

**LAT:** Low Altitude Toss

**LAU:** Launcher Armament Unit

**lb:** Pound(s)

**LBUS:** Left Bus

**LCO:** Limit Cycle Oscillation

**LCOS:** Lead Computing Optical Sight

- LD:** ❖ Load  
❖ Low Drag

**LDG:** Landing

**LDGP:** Low Drag General Purpose (bomb)

**LE:** Leading Edge

**LEF:** Leading Edge Flaps

- LEP:** ❖ Laser Eye Protection  
❖ List of Effective Pages

**LFWD:** Left Forward Display  
(Left MFD)

**LG:** Landing Gear

**LGB:** Laser Guided Bomb

**LGM:** Laser Guided Missiles

**LHDPT:** Left Hard Point  
**or LHPT:** Left HDPT switch on the SNSR PWR panel control power to the left chin pylon under the fuselage.

**LI:** Low Illumination

**LIB:** Library / Libraries

**LIS:** Line in the Sky

**LIT:** Look-Into-Turn (mode)

**LJDAM:** Laser Joint Direct Attack Munition

**LL:** Lessons Learned

**LLLD:** Low Level Low Drag

**LMD:** Left Miscellaneous Display

**LMD:** Left Miscellaneous Display  
(FCNP mnemonic)

**LO:** Low

**LOA:** Letters of Agreement

**LOC:** ❖ Line of Communication  
❖ Localizer

The vertical beam of the ILS allowing the pilot to align the aircraft with the runway centerline.

**LOS:** ❖ Line of Sight  
❖ Line of Sight (launch Mode)

**LOSR:** Line of Sight Rate

**LOWAT:** Low Altitude Training

**LP:** Learning Points

**LPI:** Low Probability of Intercept

**LRU:** Line Replaceable Unit

**LSDL:** Launch Status Divider Line  
The POS base page contains missile employment information and is divided into two sections by the launch status divider line. (Green line)

**LSO:** ❖ Landing Signal Officer

❖ Landing Safety Officer

Also informally known as Paddles (United States Navy) or Batsman (Royal Navy), is a Naval Aviator specially trained to facilitate the "safe and expeditious recovery" of naval aircraft aboard aircraft carriers.

**LSRCH:** Laser Search

**LST:** Laser Spot Tracker

**LT:** Left

**LTRCK:** Laser Track

**LTS:** Lights

**LUU:** Launch Unit Universal

**LV:** Lift Vector

**M:** ❖ Mach

❖ A symbol for Fuse designator

**MADDOG:** A Brevity Code  
Referring to a missile, after being fired, that will go after the first thing it 'sees'.

**MAGV:** Magnetic Variation

Found in the Data Entry Display is used to correct INS navigation errors.

**MAJCOM:** Major Command(s)

**MAL & IND  
LTS:** Malfunction & Indicator Lights

**MAL:** Malfunction

**MALSF:** Medium-Intensity Approach Lighting System with Sequenced Flashers

**MAN:** Manual

**MANPAD:** Man-Portable Air-Defense System

**MPAD:** Shoulder-launched surface-to-air missiles (SLSAMs). Typically guided weapons that are a threat to low-flying aircraft, especially helicopters.

**MAP:**

- ❖ Minimum Attack Perimeter
- ❖ Missed Approach Procedure
- ❖ Missed Approach Point

**MAR:** Minimum Abort Range

**MARSA:** Military Assumes Responsibility for Separation of Aircraft

**MAU:** Miscellaneous Armament Unit

**MAX AB:** Maximum Afterburner

**MAX:** Maximum

**Mb:** Millibar

A Millibar is a measure of atmospheric pressure. One Millibar is equal to 100 Newtons per square meter. Standard atmospheric pressure at sea level is 1,013.2 millibars.

**MBC:** Missile Boresight Correlator

**MBL:** Manual Boom Latching

**MC:**

- ❖ "MASTER CAUTION" light
- ❖ Military Committee

**MCASB:** Military Committee Air Standardization Board

**MCH:** Multi-Command Handbook

**MCI:**

- ❖ Multi-Command Instruction
- ❖ Maintenance and Control Interface
- ❖ Multinational Communications Integration
- ❖ Mission Capability Inspection

**MCM:** Maintenance Control Manual

- MCR:**
- ❖ Mission Confirmation Review
  - ❖ Mission Concept Review
  - ❖ Minimum Creep Rate
  - ❖ Mission Capable Rate

**MD:** Miss Distance

**MDA:** Minimum Descent Altitude

**MDS:** Mission Design Series

**MDT:** Mass Data Transfer

**MECH:** Mechanical

**MED:** Medium

**MEF:** Maximum Elevation Figures

**MEM:** Memory

**METRO:** Pilot to Metro Voice Call

- METRO:**
- ❖ Metropolitan
  - ❖ Metroflight

**MFD:** Multi-Function Display

**MFDE:** MFD Extractor  
Third party software that extracts gauges for multi-screen and cockpit use

**MFDS:** Multifunction Display Set

**MFL:** Maintenance Fault List

**MGC:** Manual Gain Control

**MHz:** Megahertz

**MIC:** Microphone

**MiG:** Mikoyan & Gurevich  
Russian aircraft designers

**MIL:** Military

*mil:* Milliradian

*mrاد:* One thousandth of a radian

**MILSPEC:** Military Specification

- MIN:**
- ❖ Minute
  - ❖ Minimum

**MISC:** Miscellaneous

**MITL:** Man In the Loop  
A missile remotely controlled by a person operating with a base controller that displays an image of an aim-point target.

**MK:** Mark (Equivalent of Model)

**MLE:** Missile Launch Envelope

**MLG:** Main Landing Gear

**MLU:** Mid-Life Upgrade

**mm:** Millimeter

**MMC:** Modular Mission Computers  
MC04 & MC13

**MNL:** Manual

**MOA:** ❖ Military Operation Area  
❖ Ministry of Aviation

**MOI:** Missile-Of-Interest

**MP:** ❖ Mission Planning  
❖ Multi-Player

**MPC:** Mission Planning Cell

**MPO:** Manual Pitch Override

**MPPRE:** Mission Planned Preplanned  
A sub mode of Joint Standoff Weapon (JSOW)

**MPRF:** Medium Pulse Repetition Frequency

**MPRS:** Multi-Point Refueling System

**MQT:** Mission Qualification Training

**MRA:** Minimum Release Altitude

The minimum altitude at which the bombs should be released.

**MRGS:** Multiple Reference Gun Sight

**MRK BCN:** MARKER BEACON

Located to the right of the HSI. It will flash with an accompanying sound when flying over a short-range transmitting device placed alongside the ILS.

**MRM:** Medium Range air-to-air Missile

**MS:** Mutual Support

**MSA:** Minimum Safe Altitude

**msec:** Milliseconds

**M-SEL:** Mode Select

**MSL:** ❖ Missile  
❖ Missile Slaving Loop  
❖ Mean Sea Level

**MSR OVRD:** Master Override

**MSR:** Master

**MSS:** Mission Support System

**MTC:** Minimum Terrain Clearance

- MTR:**
- ❖ Moving Target Reject
  - ❖ Military Training Route

**MTT:** Multi-Target Track

**MUX:** Multiplex Bus

**MWOD:** Multiple Word Of the Day

A word of the day is a secret number that determines which frequencies the radio hops to in anti-jam mode.

**MWS:** Missile Warning System

**NAAR:** Night Air to Air Refueling

- NAF:**
- ❖ Naval Air Force
  - ❖ Naval Air Fighter
  - ❖ National Air Force

- NAM:**
- ❖ Nautical Air Miles
  - ❖ Normal Air Mode

**NARO:** Narrow

The Sniper has 2 FOVs for the FLIR sensor: Wide and Narrow. The FOV can be switched between WIDE and NARO via OSB 3 or with the Expand/FOV switch (Pinky) on the HOTAS.

**NAT:** Network Address Translation

**NATO:** North Atlantic Treaty Organization

Also called the North Atlantic Alliance, is an intergovernmental military alliance between several North American and European countries based on the North Atlantic Treaty

**NAV:** Navigation mode

**NAVAID:** Navigational Aid

**NB:** Narrow Band

**NCTR:** Non-Cooperative Target Recognition

**NDB:** ❖ Non-Directional Beacons

A radio transmitter at a known location, used as an aviation and marine navigational aid.

**NFBW:** Non-Fly-By-Wire

**NFOV:** Narrow Field of View

**NGB:** National Guard Bureau

**NLG:** Nose Landing Gear

**NLT:** Not Later Than

**NM:** Nautical Mile

**NNE:**

- ❖ North, North-East
- ❖ Nearest Neighbor Estimate
- ❖ Network Node Equipment

**NOE:** Nap of the Earth  
very low-altitude flight course

**NORDO:** No Radio

**NORM:** Normal

**NOSIG:** No Significant Change  
(Weather information)

**NOTAM:** Notice to Airman  
A notice filed with an aviation authority to alert aircraft pilots of potential hazards along a flight route or at a location that could affect the safety of the flight.

**NOTAM:** Notice to Airmen

**NOZ POS:** Nozzle Position

**NSA:** NATO Standardisation Agency

**NSTL:** Nose/Tail arming

**NVD:** Night Vision Device

**NVG:** Night Vision Goggles

**NVIS:** Night Vision Imaging System

**NVP:** Navigation Pod

**NWS:** Nose Wheel Steering

**O2:** Oxygen

**OA1:** Offset Aimpoint sighting #1

**OAP:** Offset Aim-Point

**OAT:** Outside Air Temperature

**OBFM:** Offensive Basic Flight Maneuver

**OBL:** Override Boom Latching

**OBOGS:** On-Board Oxygen Generation System

**OCA:** Offensive Counter Air  
A mission flown against enemy air targets

**OCONUS:** Outside Continental United States

**OFLY:** Overfly

**OFM:** Operator Function Model

**OFP:** Operational Flight Program

**OFT:** Operational Flight Trainer

OFT has been replaced by "SIM"  
(Simulator).

**OG:** Operations Group

**OHEAT:** Overheat

**OM:** ❖ Outer Marker

**MM:** ❖ Middle marker

**IM:** ❖ Inner Marker

They are markers along an ILS track  
that provide range information to the  
runway.

**OOB:** Order of Battle

**OOP:** Out of Plane

**OP:** Optimum

**OPER:** Operational

**OPFOR** Opposing Force

**OPNAVINST:** Office of the Chief of Naval  
Operations Instruction

**OPR:** Operational

**Ops:** Operations  
**OPS:**

**OPSEC:** Operations Security

**OPT:** ❖ Option  
❖ Optional

**OSB:** Option Select Button

**OT&E:** Operational Test & Evaluation

**OTW:** Out the Window

**OVC:** Overcast

**OVRD:** Override (Manual pitch override switch)

**OXY:** Oxygen

**PACAF:** Pacific Air Forces

**PACMARF:** Pacific Military Airspace Reservation  
Facility

**PAK:** Package

Same as RP (Route Package)  
A defined area of air operation

**PAPI:** Precision Approach Path Indicator

**PAR:** Precision Approach Radar

**PATRIOT:** Phased-Array Tracking Radar Intercept on Target

**PB:** Pre-Briefed

**PBG:** Partial-Pressure Breathing For G  
To help maintain cerebral perfusion by raising the systemic arterial pressure increasing the level of G-tolerance to help prevent pilots from losing consciousness during high-g maneuvering.

**PDF:** Portable Document Format

**PDLCT:** Pod de Désignation Laser à Caméra Thermique  
(Thermal Camera Laser Designation Pod)

**PDM:** Programmed Depot Maintenance

**PDP:** Pull-Down Point  
A maneuvering transition from climbing to diving.

**PET:** Pre-Emptive Targeting

**PFD:** Pilot Fault Display

**PFL:** Pilot Fault List

**PFLD:** Pilot Fault List Display

**PFPS:** Portable Flight Planning System

**PFR:** Primary Flight Reference

**PGCAS:** Predictive Ground Collision Avoidance System

**PGM:** Precision Guided Munition

**PGRM:** Program

**PGU:** Projectile Gun Unit

**PIO:** Pilot Induced Oscillation

**PIREP:** Pilot Report

**PIX:** Pixels

**Pk:** Probability of kill

**PLGS:** Precision Laser Guidance Set

**PLS:** Precision landing system

**PMG:** Permanent Magnet Generator

**PNEU:** Altimeter is flagged as PNEUMATIC when it is no longer receiving electrical power. (secondary altimeter mode)

**PNL:** Panel

**PO BIT:** Power On Built-In Test

**PO:** Power On

**POL:** Petroleum Oil Lubricant (tanks or depots)

**POM:** Plane of Motion

**POS:** Position

In POS mode, the HARMS missile is fired at a steer point and will look for a single threat emitter.

**POV:** Point of View

A Hat switch on a joystick or by moving the mouse. Primarily used to change the point of view or manipulate the camera in-game.

**PPG:** Positive-Pressure Breathing-for-G

**PPH:** Pounds Per Hour  
**pph:**

**PPT:** ❖ Preplanned Threats  
❖ Pre-Planned Targets

**PRA:** Planned Release Altitude

The altitude at which the bombs should be released.

**PRE:** ❖ Preset

❖ Preplanned delivery (Missile mode)

❖ Pre-Planned steerpoints and their threat rings.

**PRESS:** Pressure, Pressurization

**PRF:** Pulse-Repitition Frequency

**PRI:** Primary

**PRIO:** Priority

**PROF:** Profile

**$P_s$ :** Specific Power

**PSA:** Pneumatic Sensor Assembly

**PSI:** Pounds per Square Inch

**PTO:** Power Takeoff

**PTP:** Points to Ponder  
(military after-action reviews)

**PTR:** Pointer (IR Pointer)

**PTT:** Push-To-Talk

**PUAC:** Pull Up Anticipation Cue

- PUP:**
- ❖ Pull-Up Point
  - ❖ Pop-Up Point
  - ❖ Pick-Up Point
  - ❖ Pop-up Procedure
  - ❖ Performance Update Program

**PW:** Pratt & Whitney

A large manufacturer of aircraft engines.

**PWR:** Power

**QF:** Quick Flow  
(Air to Air Refueling)

**QFE:** Query: Field Elevation  
(Altitude relative to an airfield)

**QFU:** (Not an acronym)  
Aviation Q-code for Magnetic Heading of a Runway

**QNE:** Query: Nil Elevation  
The earth's mean atmospheric pressure in millibars at sea level. (1013.25 mb)

**QNH:** Question Nil Height

A local airfield's atmospheric pressure above mean sea level (0 feet) given in millibars.

**QSTAG:** Quadripartite Standardization Agreement

**QTY:** Quantity

**R:** Radius

**RAA:** Route Abort Altitude

**RAAF:** Royal Australian Air Force

**RAD:** Radio (e.g., RAD 1 or RAD 2)

- RADAR:**
- ❖ RAdio Detection And Ranging
  - ❖ RAdio Direction And Ranging

**RAERO:** Range Aerodynamic

(Small Triangle) Represents the maximum kinematic range of the AMRAAM and is the longest possible shot that a pilot can take and have a chance of hitting the target

**RALT:** Radar Altimeter

**RATSIMPL** (Mnemonic)

- R – Radar Altimeter ON
- A – ALOW: SET SCP-10%
- T- TACAN SET as briefed
- S – SCP – SET as briefed
- I – IFF (not implemented)
- M – Missile: Cool
- P – Pod Unstow TGP
- L – Laser arm – As required

**RBL:** Range and Bearing Launch (mode)

- RBS:**
- ❖ Radar Bomb Scoring
  - ❖ Radar Beacon System
  - ❖ Radar Bombardment System
  - ❖ Rear Back-up Sight
  - ❖ Random Barrage System

**RBUS:** Right Bus

**RCAF:** Royal Canadian Air Force

**RCCE:** Reconnaissance

**RCFI:** Radio Channel/Frequency Indicator

**RCL:** Recall

**RCO:** Range Control Officer

**RCP:** Radar Control Panel

**RCR:** Runway Condition Reading

The runway friction coefficient given as a whole number.

Dry: 23, Wet: 12, Icy: 05

**RCS:** Radar Cross Section

**RDF:** Radio Direction Finding

**RDR:** Radar

**RDY:** Ready

- REC:**
- ❖ Receive
  - ❖ Record

**RECCE:** Reconnaissance

**REL:** Release

**REO:** Radar/Electro-Optical

**Repo:** Reposition

**REQCTR:** Request To Counter

**RF:** Radio Frequency

RF switch controls the amount radio emissions this aircraft is creating.

**RFWD:** Right Forward Display  
(Right MFD)

**RHDPT:** Right Hard Point

**RHPT:** Right HDPT switches on the SNSR PWR panel control power to the right chin pylon under the fuselage.

- RIA:**
- ❖ Rapid Impact Assessment
  - ❖ Range Insensitive Axis
  - ❖ Risk Impact Assessment
  - ❖ Resource Impact Assessment

**RLG:** Ring Laser Gyroscope

**RLY:** Relay

**RMAX:** Radar MAX (Range)

**RMD:** Right Miscellaneous Display

**RMIN:** Radar MIN (Range)

**RMSA:** Recovery Minimum Safe Altitude

- RNAV:**
- ❖ Area Navigation
  - ❖ Radar Navigation
  - ❖ Random Navigation Area Navigation

**RNDS:** Rounds (gun)

**RNG:** Range

**ROB:** Range On Bearing

**ROD:** Record Of Decisions

**ROE:** Rules of Engagement

**ROK:** Republic of Korea

**ROKAF:** Republic of Korea Air Force

**ROM:** Runway Operations Monitor

**ROPT:** Range Optimum

(Small circle) represents the range when the target is assumed to turn when the missile is at 75% of its flight time.

**ROT:** Rule of Thumb

**RP:** ❖ Reference Point

❖ Release Point

❖ Route Pack

To define areas of air operations

**RP:** Route Package

A defined area of air operation

**RPI:** Range Probability of Intercept

The same as (ROPT) except it takes current steering and pitch into consideration. If the aircraft is already at optimal pitch/steering, RPI = ROPT.

**RPM:** Revolutions Per Minute

**RSAF:** Royal Singapore Air Force

**RSU:** Rate Sensor Unit

**RSVR:** Reservoir

**RT:** ❖ Right

❖ Retarded

**RTB:** Return to Base

**RTFAM:** (Mnemonic)

R – Radar Altimeter ON

T – TFR – appropriate operating mode

F – FLIR on HUD

A – AMS auto-engage (ADV switch)

M – Monitor

**RTN TO SRCH:** Return to Search (switch position)

**RTN:** Return

**RTR:** Range Turn and Run

Represents the maximum range shot if the target performs a turn-and-run maneuver at launch. It takes current steering and pitch in consideration.

**RTS:** Return to Search

**RUK:** Range Unknown

**RV:** ❖ Receive Variable

❖ Recreational Vehicle

❖ Revalidation

❖ Rendezvous

**RVCP:** Rendezvous Control Point

**RVCT:** Rendezvous Control Time

**RVIP:** ❖ Rapid Visual Information Processing  
❖ Rendezvous Initial Point

**RVTO:** Rolling Vertical Take-Off

**RWR:** Radar Warning Receiver

**RWS:** Range While Search

**RWY:** Runway

**SA:** ❖ Situational Awareness  
❖ Surface Attack

**SACM:** Selectable Air Combat Mode

**SAD:** Search and Destroy

**SADL:** Situational Awareness Data Link

**SAI:** ❖ Situational Awareness Indicator  
❖ Standby Attitude Indicator

**SAM:** Surface to Air Missile

**SAPHEI:** Semi-Armor Piercing High Explosive Incendiary (PGU-28)

**SAR:** Search and Rescue

**SARCAP:** Search and Rescue Combat Air Patrol

**SARH:** Semi-Active Radar Homing

**SAT:** Surface Attack Tactics

**SBC:** Symbology, Brightness, and Contrast

**SCOR:** Self-Calibration Omni Range

When ON, allows the BATR circle to be displayed in the HUD when the gun is being fired as well as the FEDS markers.

**SCP:** ❖ Set Clearance Plane  
❖ Stores Control Panel

**SCU:** System Capability Upgrade

**SD:** Spatial Disorientation

**SDB:** Small Diameter Bomb

**SDK:** ❖ Software Development Kit  
❖ Software Developer's Kit

**SE:** ❖ South East  
❖ Snake Eye (Mk-82 Missile)  
An unguided High Drag General Purpose bomb

**SEA:** Sea search mode

**SEAD:** Suppression of Enemy Air Defenses

**SEC:** Secondary Engine Computer

**SEL:** ❖ Select  
❖ Selective

**SEM:** Safe Escape Maneuver

**SEP:** Separation

**SEQ:** Sequence

**SFO:** Simulated Flameout

**SFW:** Sensor Fused Weapon

**SGL:** Single

**SHORAD:** Short-Range Air Defense

**SI:** Sequence Interval

**SID:** Standard Instrument Departure

**SIF:** Selective Identification Feature

**SII:** ❖ System Internal Interface  
❖ Special Instruction Indicator

**SIM:** ❖ Simulated  
❖ Simulator

**S-J:** Selective Jettison (mode)

**SKE:** Station Keeping Equipment

**SL:** Sea Level

**SLAM-ER:** Standoff Land Attack Missile Expanded Response

**SLAV:** Slave

To slave a missile to the aircrafts radar to guide the missile to a target.

**SLAVE:** Not an Acronym

A missile is slaved to the Fire Control Radar which guides it to the target.

**SLI:** Scalable Link Interface

A multi-GPU technology developed by Nvidia for linking two or more video cards together to produce a single output.

**SLNT:** Silent

**SLSAM:** Shoulder-Launched Surface-To-Air Missiles

**SMS:** Stores Management System

**SMTH:** Smooth

**SNAP:** Snapshot  
**SS:** The Snapshot line essentially shows an artificial tracer line of bullets. It does not give a prediction of where to shoot out in front of a moving target. It only provides a history of where you have been pointing the gun.

**SNSR:** Sensor

**SOF:** Supervisor of Flying

**SOI:** Sensor of Interest

**SOP:** ❖ Standard Operating Procedure(s)  
**SOPs** ❖ Standard Operational Procedure(s)

**SOR:** Stand-Off Radar

**SP:** ❖ Single Player  
❖ Snowplow  
Directs each sensor line-of-sight straight ahead in azimuth, disregarding any selected steer points. In the GM, GMT, and SEA modes, the ground map cursor will be positioned at half the range selected, i.e., the center of the MFD. The cursor remains at this range while the ground map video moves, or "snowplows," across the MFD.

**SP:** ❖ SuperPAK  
A series of patches by the Falcon 4 Unified Team (F4UT)  
❖ Single Person  
❖ SNOWPLOW (Radar Mode)  
Searches everything on the ground in front of the aircraft  
❖ Steerpoint

**SPD BRK:** Speed brake

**SPD:** Speed

**SPI:** System Point of Interest

**SPICE:** Smart, Precise Impact, Cost-Effective (Bomb)

**SPINS:** Special Instructions

**SPL:** Special

**SPOT:** A mode. Not an Acronym  
AIM-9L/M non-nutating mode. In SPOT the seeker head does not scan, and the field of view stays at its usual size.

**SQ:** ❖ Sequence Quantity

❖ Square

❖ Squelch

A circuit to help reduce background noise.

**SRB:** Single-Rate Beeper

**SRM:** Short-Range air to air Missile

**SSALR:** Simplified Short Approach Lighting System with Runway Alignment Indicator

**SSC:** Side Stick Controller

**SSLC:** Snapshot & lead computing optical sight Symbology

**ST STA:** Stores Station (Switch)  
Enables power to the Store Stations

**STA:** Station

**STBY:** Stand By

**STD:** Standard

**STO:** Short Take-Off

**STOL:** Short Take Off and Landing

**STP/TGT:** Steer Point And Target Direct Aim Point Sighting

**STPT:** Steer Point

**STRF:** Strafe

To rake (ground troops, an airfield, etc.) with fire at close range, especially with machine-gun fire from low-flying aircraft.

**STRG:** Steering

**STRP:** Strapped

**STT:** Single Target Track

**SUA:** Special Use Airspace

**SUU:** ❖ Suspension Underwing Unit

❖ Suspended Utility Unit

A weapon system pod or carrier

**SV:** Secure Voice

**SWEEP:** (Not an acronym)

Aggressive Air to Air flight that has no patrol time but 3 target steer points where you will attack and destroy as many OPFOR aircraft as possible

**SWIM:** ❖ System-Wide Information Management  
❖ System Wide Integrity Management

**SYM:** Symmetrical

**SYS:** System

**T.O.:** Technical Order

**T/O LDG:** Take Off & Landing

**T/R or TR:** Transmit/Receive

**TAC-A:** Tactical Air Coordinator-Airborne

**TACAN DA:** Tacan Decision Altitude

**TACAN RAD:** Tacan Radial

**TACAN:** Tactical Air Navigation  
**TCN:** A transmitter/receiver that is used to measure bearing and distance from TACAN stations. It also has an air-to-air mode allowing it to measure distance (and sometimes bearing) to other aircraft that also have TACAN systems.

**TACREF** Tactical Reference

**TACS:** Theater Air Control System

**TAG:** Not an acronym  
(System location) Response to an emitter ambiguity resolution Request.

**TAMSA:** Target Area Minimum Safe Altitude

**TAN:** Tangent

**TAS:** True Air Speed

**TASMO:** Tactical Air Support for Maritime Operations

**TBMCS:** Theater Battle Management Core Systems  
An integrated command and control, intelligence, surveillance, and reconnaissance system, which provides hardware, software, and communications interfaces to support the preparation, modification, and dissemination of the force-level Air Battle Plan (ABP)

**TC:** ❖ Turn Circle  
❖ Transit corridor

**TCAS:** Traffic Collision Avoidance System

**TCDS:** Threat Adaptive Countermeasures Dispensing Set

**TCTO:** Time Compliance Technical Order

**TCX:** Turn Circle Extension

**TD:** ❖ Target Designator  
❖ Tighten Down

**TDA:** Tactical Decision Aid

**TDF:** Theater Definition Files

**TE:** Tactical Engagement

**TED:** Trailing Edge Down

**TEF:** Trailing Edge Flaps

**TEFs:** Trailing Edge Flaps

**TELAR:** Transporter Erector Launcher And Radar

The same as a TEL but also incorporates part or all of the radar system necessary for firing the surface-to-air missile.

**TEMP:** Temperature

**TER:** Triple Ejector Rack

**TERM:** Terminal

**TEU:** Trailing Edge Up

**TF:** ❖ Terrain Following  
❖ Tactical Fighter  
❖ Task Force

**TFOV:** Total Field Of View

**TFR:** Terrain Following Radar

**TGM:** Training Guided Missile

**TGP:** Targeting Pod

**TGT SEP:** Target Separation (Button)  
Separates overlapping contacts on scope.

**TGT:** Target

**T-ILS:** Tacan/ILS

**TIMS:** Time/Inertial/Map/Scope

**TIR:** TrackIR

**TISL:** Target Identification Set, Laser

**TL:** Transit level

**TLL:** Target Locator Line

**TMLT:** Training Maneuver (Level Turn)

**TMO:** Tanker Manual Override

**TMS:** Target Management Switch

- TO:**
- ❖ Time Out
  - ❖ Total Order

**TOD:** Time-Of-Day

**TOD:** Time of Day

- TOF:**
- ❖ Time of Flight
  - ❖ Time-Of-Fall
  - ❖ A system fault in recording the take-off time.

- TOI:**
- ❖ Time of Impact
  - ❖ Target of Interest

**TOLD:** Takeoff and Landing Data

- TOS:**
- ❖ Time Over Steerpoint
  - ❖ Time on Station

**TOT:** Time Over Target

**TOW:** Tube-launched Optically-tracked Wire-guided missile

**TR:** Turning Room

**TRA:** Training

**TRANS** Transition Altitude

**ALT:** The altitude where local altimeter setting is switched with universal altimeter setting (29.92 inch of mercury –N.A. in Falcon). From ground to Transition altitude, we refer to altitude in feet.

**TRANS** Transition level

**LEVEL:** Above the Trans Level, we refer to altitude in flight level (20000ft = FL200) Descending from FL150 to 3500ft with a trans level of FL70, we will switch universal altimeter setting from 29.92 to local altimeter setting at FL70 (7000ft).

**TRG:** Target

**TRNG:** Training

**TRP FUEL:** Trapped Fuel

A "TRP FUEL" display on the left of the HUD may indicate that fuel is trapped in an external tank. It could also be caused by an external fuel leak. Trouble shooting fuel flow may be required.

**TS:** TypeScript

An open-source programming language developed and maintained by Microsoft.

**TS3:** TeamSpeak 3

**TSEM:** Turning Safe Escape Maneuver

**TTG:** Time-To-Go.

The calculated time for the aircraft to arrive at the selected system point of interest target designator box.

**TTL:** Time To Live

How long a message is displayed.

**TTS:** Two Targets  
(Radar mode)

**TV:** Television

**TVS:** Television Sensor

**TWA:** Threat Warning Auxiliary

**TWP:** Threat Warning Prime

**TWR:** Tower

Air traffic controllers (ATC) work in the tower to manage take-offs and landings.

**TWS:** ❖ Track While Scan  
❖ Threat Warning System

**TXA:** Transfer Alignment

**UAP:** Upwind Aim Point

**UARRSI:** Universal Air to Air Refueling  
Receptacle Slipway Installation

**UDP:** User Datagram Protocol

**UFC:** ❖ Up-Front Controls  
❖ Unified Fuel Control

**UFPC:** Up Front Control Panel

**UHF:** Ultra-High Frequency

**UI:** User Interface

**UL:** Upload (Rate)

**USAF:** U.S Air Force

**USAFAWC:** United States Air Force Air Warfare  
Center

**USAFE:** United States Air Forces In Europe

**USAFR:** United States Air Force Reserve

**USB:** Universal Serial Bus

**USMC:** United States Marine Corps

**USN:** US Navy

**USS:** United States Ship

**UTC:** Coordinated Universal Time

**V/STOL:** Vertical/Short Takeoff and Landing

**V:** Velocity

**VAC:** Voice Activated Commands

**VAH:** Velocity/Altitude/Heading (switch)

**VASI:** Visual Approach Slope Indicator  
A Visual aid to gauge glideslope when landing visually. It's made of two rows of lights each side of the runway.

**V<sub>c</sub>:** Closing Velocity

**VCCRP:** Visual, Continuously Computed Release Point

**VFR:** Visual Flight Rules

**VFW:** Virtual Fighter Wing

**VGS:** Video Guidance Sensor

**V<sub>GS</sub>:** Velocity Ground Speed

**VHF:** Very High Frequency

**VID:** Visual Identification

**VIP:** Visual Initial Point

**VIP:** Visual Initial Point

**VIP-TO-  
PUP:** Visual Initial Point to Pull Up Point  
(found on the DED)

**VIP-TO-  
TGT:** Visual Initial Point to Target  
(found on the DED)

**VIS:** Visual mode

**VLC:** Very Low Clearance

**VLD:** Visual Level Delivery

**VMC:** Visual Meteorological Conditions

**VMS:** Voice Message System  
Commonly referred to as "Bitchin' Betty"

**VMU:** Voice Message Unit

**VNDB:** Virtual Non-Directional Beacon  
A Beacon that is not implemented in Falcon but quite useful for approach. By setting a known INS point in the system, we can use that waypoint as a Virtual NDB.

**VNE:** Velocity Never Exceed

**VOL:** Volume

**VOR/DME:** VHF Omnidirectional Range (VOR) & Distance Measuring Equipment (DME)  
**VORDME:** VOR produces an angle between the station and the receiver in the aircraft, while DME does the same for range. Together, they provide the two measurements needed to produce a navigational "fix" using a chart.

**VOR:** VHF Omnidirectional Range

**VORTAC:** VHF Omnidirectional Range/Tactical Aircraft Control  
A navigational aid for aircraft consisting of a co-located VHF omnidirectional range (VOR) beacon and a tactical air navigation system (TACAN) beacon.

**VR:** ❖ Visual Reconnaissance  
❖ Visual Route

**VRAM:** Video Random Access Memory

**VRD:** Vision Restriction Device

**VRP:** Visual Release Point

**VRPLAD:** LADD with a VRP  
Low Angle Drogue Delivery with a Visual Release Point in the HUD.

**VRP-to-PUP:** Visual Reference Point to Pull Up Point

**VRP-to-TGT:** Visual Reference Point to Target

**VS:** Velocity Search

**VTO:** Vertical Take-Off

**VTOL:** Vertical Take-Off and Landing

**VTR:** Video Tape Recorder

**VV:** Vertical Velocity

**VVI:** Vertical Velocity Indicator

**W/O:** Without

**WAC:** Wide Angle Conventional

**WAN:** Wide Area Network

**WARP:** Wing Air to Air Refueling Pods

**WB:** Wideband

**WCMD:** Wind Corrected Munition Dispenser

**WDP:** Weapon Delivery Planner

**WEZ:** Weapon Engagement Zone

**WFOV:** Wide Field of View

**WGS:** World Geodetic System

The Global Positioning System uses the World Geodetic System (WGS84) as its reference coordinate system. Geodesists believe the error is less than 2 centimeters.

**WHOT:** White Objects as Hot

The FLIR video can show white objects as hot (WHOT) or black objects as hot (BHOT). Polarity can be changed by pressing OSB 6 hands off or by TMS-left on the HOTAS (with TGP as SOI).

**WOB:** White-On-Black  
(Polarity contrast option)

**WOC:** Wing Operations Center

**WOD:** Word of Day

**WOLF:** Visually identified surfaced HOSTILE submarine.

**WOW:** Weight on Wheels

**WPN DEL:** Weapon Delivery (switch position)

**WPN REL:** Weapon(s) Release

**WPN:** Weapon

**WR:** Weapon Release

**WSEP:** Weapon System Evaluation Program

**WSO:** Weapon System Officer

**WT, wt:** Weight

**WX:** Weather (Mode)

**XMIT:** Transmit

**XMT:** Transmit (Address)

**XMTR:** Transmitter

**XR:** Extended Range

**YMMV:** Your Method May Vary

**ZCL:** Zero Command Line

The ZCL is a ground reference line, displayed in a video within the left MFD while the terrain following radar pod is active.

**ZSU:** Zenitnaya Samokhodnaya Ustanovka  
(Russian)

Translation: Anti-Aircraft Self-Propelled System.