#### ARMY, MARINE CORPS, NAVY, AIR FORCE



# **BREVITY**

#### MULTISERVICE BREVITY CODES

FM 3-54.10 MCRP 3-25B NTTP 6-02.1 AFTTP(I) 3-2.5

#### AIR LAND SEA APPLICATION CENTER

# 2003 REVISION FINAL COORD DRAFT

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MULTISERVICE TACTICS, TECHNIQUES, AND PROCEDURES

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#### **FOREWORD**

This publication has been prepared under our direction for use by our respective commands and other commands as appropriate.

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1	PREFACE
2 3	1. Scope
4 5 6 7 8 9	This publication standardizes air-to-air, air-to-surface, surface-to-air, and surface-to-surface brevity code words. The scope is limited to those brevity codes used in multi-Service operations and does not include words unique to single-service operations. While not authoritative in nature, all services agree to these brevity code meanings. These code words have been forwarded for inclusion or modification of current North Atlantic Treaty Organization (NATO) brevity code words.
10	2. Purpose
11 12	This publication will ease coordination and improve understanding during multi- Service operations.
13	3. Application
14 15	This publication is intended for air and ground operations personnel at the tactical level.
16	4. Implementation Plan
17 18 19	Participating service command offices of primary responsibility (OPRs) will review this publication, validate the information, and reference and incorporate it in service and command manuals, regulations, and curricula as follows:
20 21 22	<b>Army</b> . The Army will incorporate the brevity codes in this publication in US Army training and doctrinal publications as directed by the Commander, Army Training and Doctrine Command (TRADOC). Distribution is in accordance with DA Form 12-99-R.
23 24 25 26	<b>Marine Corps</b> . The Marine Corps will incorporate the brevity codes in this publication in US Marine Corps training and doctrinal publications as directed by the Commanding General, Marine Corps Combat Development Command (MCCDC). Distribution is in accordance with MCPDS.
27 28 29 30	<b>Navy.</b> The Navy will incorporate the procedures in this publication in U.S. Navy doctrinal and training publications as directed by the Commander, Navy Warfare Development Command (NWDC). Distribution of this publication is IAW MILSTRIP Desk Guide and NAVSOP Pub 409.
31 32 33	<b>Air Force</b> . Air Force units will validate and incorporate appropriate procedures in accordance with applicable governing directives. Distribution is in accordance with Air Force Instruction (AFI) 33-360.
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1 2

#### Chapter I

3

#### **Multi-Service Brevity Codes**

	LEGEND				
*	* Meaning may differ with NATO code word				
**	Not a NATO code word				
<b>NEW</b>	New code word				
<b>AZIMUTH</b>	Code word is exempt from changes during world-wide review				
[NATO]	NATO code word in APP/MPP-7B not used by US forces but may				
	be encountered in combined operations.				
(A/A) Code word definition applies to air-to-air (A/A) operations					
(A/S) Code word definition applies to air-to-surface (A/S) operations					
(S/A) Code word definition applies to surface-to-air (S/A) operations					
(EW) Code word definition applies to electronic warfare (EW) operation					
(AIR-	Code word definition applies to maritime air operations				
MAR)					

**NOTE:** All code words pertain to general air operations unless indicated otherwise.

6 7 8

5

**ABORT** Directive call to cease action/attack/event/mission.

9 10 11

**ACTION** Directive call to initiate a briefed attack sequence or

maneuver.

12 13 14

(system) ACTIVE (location / direction) (EW) Referenced emitter is radiating at the

stated location or along the stated bearing.

15 16 17

**ADD** (system/category)\*\* (EW) Directive call to add a specific (system) or (EOB

category) to search responsibilities.

18 19 20

**ALARM** Directive/informative call indicating the termination of EMCON procedures. Opposite of SNOOZE.

21 22

ALLIGATOR Link-11/ TADIL A.

232425

ALPHA CHECK Request for/confirmation of bearing and range from

requesting aircraft to described point.

26 27

29

30

31

28 ANCHOR(ED) (location)

1. Informative call to indicate a turning engagement at the

specified location.

2. Directive call to orbit about a specific point.

3. Refueling track flown by tanker.

1		
2 3 4	ANGELS	Height of friendly aircraft in thousands of feet from mean sea level (MSL). (NOTE: NATO definition does not specify MSL or AGL)
5 6 7	ANYFACE*	Friendly GCI/AEW command and control agency when callsign is not known.
8 9 10	ARIZONA	No anti-radiation missile (ARM) ordnance remaining.
11 12 13	ARM**	CONTACT(s) resulting from target maneuvers exceeding GROUP criteria. [MINOR CHANGE]
14 15	ASLEEP **	Enemy air defense system is not operating and is not expected to engage friendly aircraft. Opposite of AWAKE
16 17 18	AS FRAGGED	Unit or element will be performing exactly as stated by the air tasking order (ATO).
19 20 21 22 23 24	ATTACK(ING)	(A/S) Directive/(informative) call indicating aircraft are committed to air-to-surface delivery on a specific ground target. Direction/bearing from which the weapon will be coming may be given. [MINOR CHANGE]
25 26 27 28	ATTACK COMPLETE**	(A/S) Mandatory call from the attack aircraft to the Joint Terminal Attack Controller (J-TAC) during Type III control indicating completion of ordnance release. (See also CLEARED TO ENGAGE)
29 30	AUTHENTICATE	To request or provide a response to a coded challenge.
31 32 33 34	AUTOCAT	Any communications relay using automatic retransmissions.
35 36	(weapon) AWAY	(A/S) Release/launch of specified weapon.
37 38 39	AWAKE**	Enemy Air Defense system is operating and may engage friendly aircraft. Opposite of ASLEEP.
40 41 42 43 44 45 46	AZIMUTH*	1. (A/A) A picture label describing two GROUPs separated laterally. *GROUP names will be referenced by cardinal directions. (e.g. NORTH GROUP, SOUTH GROUP, or EAST GROUP, WEST GROUP) (NOTE: NATO definition includes two or more GROUPS)  [MAJOR CHANGE-USN/USMC]  2*. (S/A) Direction to the threat.

BANDIT	An aircraft identified as an enemy in accordance with (IAW) theater ID criteria. The term does not necessarily imply direction or authority to engage.
BANZAI	Informative/directive call to execute launch and decide tactics.
BASE (+/- number)	Reference number used to indicate such information as headings, altitude, fuels, etc.
BAY	[NATO] Carry out deception plan indicated or in accordance with previous orders. (EW)
BEAD WINDOW	Last transmission potentially disclosed unauthorized information.
BEAM (w/cardinal direc	etion)* CONTACT stabilized within 70 to 110 degrees of aspect. (NOTE: NATO = 60-120 degrees aspect)
BEANSTALK	[NATO] Information call advising datalink users to check equipment for spurious tracks.
DEADING (w/sub cordin	nal direction)** Inner GROUP formation with the trailer
DEARING (W/Sub-Cardin	displaced approximately 45 degrees behind the leader.
(system) BENT	System indicated is inoperative. Cancelled by OKAY. [MINOR CHANGE]
BINGO	Fuel state needed for recovery.
BIRD	Friendly surface-to-air missile (SAM).
BIRD(S) AFFIRM	(S/A) Surface-to-Air informative call indicating a FRIENDLY unit is able and prepared to engage a specified target with SAMs. Opposite of BIRD(S) NEGAT.
BIRD(S) NEGAT	(S/A) Surface-to-Air informative call indicating a FRIENDLY unit is unable to engage a specified target with SAMs. Opposite of BIRD(S) AFFIRM.
BITTERSWEET**	Notification of possible blue-on-blue (fratricide) or blue-on-neutral situation relative to a designated track or FRIENDLY aircraft.
	BANZAI  BASE (+/- number)  BAY  BEAD WINDOW  BEAM (w/cardinal direct  BEANSTALK  BEARING (w/sub-cardin  (system) BENT  BINGO  BIRD  BIRD(S) AFFIRM  BIRD(S) NEGAT

1 2 3	BLIND	No visual contact with FRIENDLY aircraft/ground position. Opposite of VISUAL.
4 5	<b>BLOTTER</b>	[NATO] (EW) ECM receiver.
6 7 8	BLOW THROUGH	Directive/informative call that aircraft will continue straight ahead at the merge and not become ANCHORED with target(s).
9 10 11 12	BOGEY	A radar or visual air CONTACT whose identity is unknown.
13 14 15	BOGEY DOPE	Request for target information as requested or for closest GROUP in BRAA (with appropriate fill ins)
16 17 18	BOX	Picture label with GROUPs in a square or offset square (See CHAMPAGNE and VIC for GROUP names).
19 20 21 22 23 24	BRAA	<ol> <li>Following information is in a tactical control format providing target bearing, range, altitude, and aspect, relative to the specified friendly aircraft.</li> <li>* Request/directive call to switch to tactical BRAA control format.</li> </ol>
25 26 27	BRACKET(direction)	Directive call to maneuver to a position on opposite sides, either laterally or vertically from the target.
28 29 30 31	BREAK (direction)	Directive call to perform an immediate maximum performance 180 degree turn (or as directed) in the indicated direction.
32 33 34	BREAK AWAY	Tanker or receiver call indicating immediate vertical and nose/tail separation between tanker and receiver is required.
35 36 37 38	BREVITY**	Directive call indicating the radio frequency is becoming saturated, degraded or jammed and briefer transmissions must follow. (NOTE: See NATO term ZIPLIP)
39 40	BROADCAST	Request/directive call to switch to broadcast control format.
41 42	BROKE LOCK	Advisory call regarding loss of radar/IR lock-on.
42 43 44	BRUISER	Friendly air launched anti-ship missile.

1 2 3	BUDDY (LASE/GUIDE)**	(A/S) Request or informative communications to have guidance of a weapon from a source other than delivering aircraft.
4 5 6 7	BUDDY LOCK	Radar locked to a known friendly aircraft. Normally a response to a SPIKED or BUDDY SPIKE call. [MINOR CHANGE]
8 9 10	BUDDY SPIKE (position/h	eading/alt) Friendly aircraft radar lock-on indication on radar warning receiver (RWR). [MINOR CHANGE]
11 12 13	BUGOUT (direction)	Separation from that particular engagement / attack / operation with no intent to reengage/return.
14 15	BULLDOG	Friendly surface/submarine launched anti-ship missile.
16 17	BULLRING	(AIR-MAR) Maritime aircraft patrol zone.
18 19 20 21 22	BULLSEYE	An established reference point from which the position of an object can be referenced by bearing (Magnetic) and range (NM) from this point. [MINOR CHANGE]
23 24	BUMP/BUMP-UP	(A/S) A climb to acquire line of sight (LOS) to the target or laser designation. ( <b>Minor change to NATO</b> )
25 26 27 28 29	BURN**	(A/S) Informative call that Gated Laser Illuminator (GLINT) is being used to provide illumination. Typically employed by AC-130 to illuminate surface points of interest.
30 31 32	BUSTER	Directive call to fly at maximum continuous speed (military power).
33 34	BUTTON	Radio channel setting.
35 36 37 38	BUZZER**	Electronic communications jamming. (NOTE: same as NATO term, CHATTER)
39 40	CANDYGRAM**	(EW) Informative call to aircraft that electronic warfare targeting information is available on a briefed secure net.
41 42 43 44 45	CAP/CAPPING (location)	<ol> <li>Directive call to establish a combat air patrol (CAP) at a specified location.</li> <li>Descriptive term for aircraft in a CAP.</li> </ol>

1 2 2	CAPTURED	(A/S) Aircrew has acquired and is able to track a specified surface target with an on-board sensor.
3 4 5 6	CAV-OK	Cloud and Visibility Okay (pronounced cav-okay). ICAO term meaning no significant clouds below 5,000 feet, visibility at least six miles, no precipitation or storms.
7 8 9	CEASE (activity)	Directive to discontinue stated activity; e.g. CEASE BUZZER, CEASE LASER, etc.
10 11 12 13 14 15	CEASE ENGAGEMENT	(S/A) A fire control order used to direct air defense units to stop tactical action against a specified target. Guided missiles already in flight will continue to intercept. [MINOR CHANGE]
16 17 18 19	CEASE FIRE	(S/A) Discontinue firing/do not open fire. Missiles in flight are allowed to continue to intercept; continue to track.  [MINOR CHANGE]
20 21 22 23 24 25	CHAMPAGNE	A picture label of three distinct GROUPs with two in front and one behind. *GROUP names should be NORTH LEAD GROUP and SOUTH LEAD GROUP or WEST LEAD GROUP and EAST LEAD GROUP and TRAIL GROUP.(MAJOR CHANGE-USN/USMC)
26 27	CHANNEL**	Stacked net within a Link 16 Network.
28 29 30 31 32	CHARLIE	(AIR-MAR) Directive to land aircraft on ship. *A suffix indicates time delay before landing; (e.g., CHARLIE TEN) (Minor change to NATO)
33 34 35	CHATTERMARK	Directive call to begin using briefed radio procedures to counter communications jamming.
36 37 38	CHEAPSHOT**	AIM-120 missile data link terminated between high and medium PRF active.
39 40 41	CHECK (number, LEFT/I	RIGHT) Turn (number) degrees left or right and maintain new heading.
42 43 44 45	CHECK FIRING**	(S/S) Directive call to cease firing immediately.

1 2 3 4 5	CHECKPRINT (track #)**	<ol> <li>Request by an Air Defense Commander for unit(s) to provide amplifying information on a specified track.</li> <li>Reply/informative to Air Defense Commander followed by positive track information using format specified in applicable OPTASK document.</li> </ol>
6 7 8 9	CHERUBS**	Height of a friendly aircraft in hundreds of feet AGL. (NOTE: NATO definition, when adopted, will not specify AGL or MSL)
10 11 12	CHICKS	Friendly aircraft.
13 14 15 16	CLAM	[NATO] (EW) Cease all or indicated electromagnetic and/or acoustic emissions in accordance with national instructions and exercise orders. Potential intelligence collector(s) in area (estimated duration of CLAM hours).
17 18 19 20 21	CLEAN	<ol> <li>No sensor information on non-friendly group of interest.</li> <li>No visible battle damage.</li> <li>Aircraft not carrying external stores.</li> </ol>
22 23 24	CLEARED	Response to requested action is authorized. No engaged/support roles are assumed
24 25 26	CLEARED HOT	Ordnance release is authorized.
27 28 29 30 31	CLEARED TO ENGAGE*	* (A/S) J-TAC Type III control clearance. Attack aircraft flight leaders may initiate attacks within the parameters imposed by the J-TAC. Attack platform will provide ATTACK COMPLETE call to J-TAC, indicating completion of ordnance release.
32 33 34 35 36	CLOAK	Directive/informative call to switch from normal/overt external lighting to covert night vision device (NVD) only compatible lighting.
36 37 38	CLOSING**	Decreasing in separation.
39 40	CLOWN	[NATO] (EW) Deception jammer.
41 42 43 44 45 46	COLD	<ol> <li>A descriptive/directive call to initiate a turn in the CAP away from the anticipated threats.</li> <li>Defined area is not expected to receive fire (enemy or friendly).</li> <li>Intercept geometry will result in a pass or roll out behind the target.</li> </ol>

1 2 3 4 5	COLOR (system/position)*	* (EW) Request for information on a type (system) at stated location; implies a request for ambiguity resolution. May be used with datalink data message- COLOR, DATA. [MINOR CHANGE]
6 7	COMEBACK (direction)	Directive call to reverse course.
8 9 10 11 12 13	COMEOFF (direction)	1. (A/A) Directive call to maneuver as indicated to either regain mutual support or to deconflict flight paths. Implies both VISUAL and TALLY.  2.* (A/S) Directive call to maneuver or execute a specific instruction (e.g., COMEOFF DRY).
14 15	COMMIT	Directive call to intercept a GROUP of interest.
16 17	COMPOSITION**	Request for number of contacts within a GROUP.
18 19	CONFETTI	Chaff lane or corridor.
20 21	CONS/CONNING	Descriptive term for nonfriendly aircraft leaving contrails.
22 23 24 25	CONTACT	<ol> <li>Sensor contact at the stated position.</li> <li>Acknowledges sighting of a specified reference point.</li> <li>Individual radar return within a GROUP or ARM.</li> </ol>
26 27 28	CONTAINER**	Inner GROUP formation with four CONTACTs oriented in a square or offset square.
29 30 31	CONTINUE	Continue present maneuver, does not imply a change in clearance to engage or expend ordnance.
32 33 34	CONTINUE DRY	Continue present maneuver, ordnance release not authorized. Training use only. [MINOR CHANGE]
35 36 37 38	COVER*	Directive/Informative call to assign S/A weapons or establish an A/A posture that will allow engagement of a specified track or threat if required.
39 40 41 42	CRANK (direction)	F-Pole maneuver in the direction indicated; *implies illuminating target at/near radar GIMBAL limits. [MINOR CHANGE]
43 44 45	CROSSING**	Descriptive term for when two GROUPs initially separated in azimuth decrease azimuth separation to pass each other.

1 2 3	CRUISE	[NATO] Informative or directive call to return to cruise speed (after BUSTER or GATE).
4 5	CUTOFF	Request for, or directive to, intercept using cutoff geometry.
6 7 8	CYCLOPS	Any UAV.
9 10 11	DANCE (column codeword	<b>I/ designator)</b> [NATO] (EW) Shift all lines to COMPLAN ().
112 13 14 15 16 17	DANGER CLOSE**	(A/S, S/S) Informative call that friendly troops are within close proximity of the target (determined by the weapon/munition delivered/fired). <i>NOTE</i> : Specific DANGER CLOSE distances, assumptions, and procedures are contained in <i>J-Fire</i> guide.
18 19 20	DASH (#)	Aircraft position within a flight. Use if specific callsign is unknown.
21 22 23	DATA (object, position)**	Standby for data link message concerning object at stated location.
24 25	DEADEYE	Informative call by a laser designator indicating the laser system is inoperative. [MINOR CHANGE]
26 27 28	DECLARE	Inquiry as to the identification of a specified track(s), target(s), or correlated GROUP.
29 30 31 32 33 34	DEEP**	Descriptive term used to indicate separation between the nearest and farthest GROUPs in range in a relative formation of three or more groups, used to describe a LADDER, VIC, CHAMPAGNE, BOX. [MINOR CHANGE]
35 36 37 38 39	DEFENSIVE*	Aircraft is under attack, maneuvering defensively, and unable to ensure deconfliction or mutual support. [MINOR CHANGE]
40 41 42	DEFENDING (direction)	Aircraft is in a defensive position and maneuvering with reference to a surface-to-air threat.
43 44 45	DELOUSE**	Directive call to detect, identify, and engage (if required) unknown aircraft trailing friendly aircraft.

1 2 3	<b>DELTA()()</b>	(AIR-MAR) Hold and conserve fuel at altitude and position indicated during shipboard operations.
4 5 6	DEPLOY	Directive call for the element to maneuver to briefed positioning.
7 8 9	DETAILS**	Request for modified J-FIRE 9-Line Brief from Joint Surveillance Target Attack Radar System (Joint STARS).
10	DIAMONDS (w/position)**	An IR event location.
11 12 13	DIRTY	Link is not encrypted.
14	DIVERT	Proceed to alternate base/*mission.
15 16 17	DOLLY	Link-4A/TADIL C.
18	(system) DOWN (location/d	, , ,
19 20 21		radiating at the stated location or along the stated bearing. (NOTE: DOWN does not mean system destroyed)
22 23 24	DRAG (cardinal direction)	Contact aspect stabilized at 0-60 degrees angle from tail or 120-180 degrees angle from nose.
25 26 27 28 29 30 31 32	DROP(PING)*	<ol> <li>Directive/informative call to stop monitoring a specified emitter/target and resume search responsibilities.</li> <li>Informative call that fighter has discontinued tracking responsibility.</li> <li>(track) Remove the emitter/target from tactical picture/track stores.</li> <li>Directive call to remove a specific system or EOB category from search responsibilities.</li> </ol>
33		category from search responsionness.
<ul><li>34</li><li>35</li><li>36</li></ul>	DUCK	[NATO] Informative/directive call to descend and increase speed. [MAJOR CHANGE]
37 38	DUFFER	(EW) DF equipped unit.
39 40 41 42	ECHELON (sub-cardinal d	irection)* Fill-in to a picture label describing GROUPs aligned behind and to the side of the closest GROUP.  [MAJOR CHANGE-USAF, USN, USMC]
43	ЕСНО	Positive System M / Mode X (or comparable system) reply.
44 45 46	EMPTY**	(EW) No emitters of interest detected. (NOTE: equivalent to NATO term, BLANK)

1		
2 3 4	ENGAGE	A fire control order used to direct or authorize units and/or weapon systems to fire on a designated target.
5 6	ENGAGED*	Informative inter-flight call from a fighter maneuvering in the visual arena. [MINOR CHANGE]
7 8 9	ESTIMATE	Estimate of the size, range, height, or other parameter of a specified contact; implies degradation.
10 11 12	EXTEND (ING)(direction)	Short-term maneuver to gain energy, distance, or separation, normally with the intent of reengaging.
13 14 15 16	EYEBALL	<ol> <li>Fighter with primary visual identification responsibility.</li> <li>EO/IR/NVD acquisition of an aircraft. Normally followed by number of aircraft observed.</li> </ol>
17 18 19 20	FADED	Radar contact is lost on nonfriendly air/surface contact and any positional information given is estimated. [MINOR CHANGE]
21 22 23 24	FAKER	[NATO] A friendly track acting as a HOSTILE for exercise purposes.
25 26 27	FANTACK	[NATO] (EW) Left and right hand edges of jammed sector areand
28 29 30 31 32	FAST*	Target speed is estimated to be 600 – 900 knots /Mach 1 – 1.5 (Note: NATO = 400 knots to 600 knots/Mach 1) [MINOR CHANGE]
32 33 34	FATHER	(AIR-MAR) Shipboard TACAN station.
35 36	FEELER	[NATO] (EW) Shipborne fire control radar.
37 38	FEET WET/DRY	Flying over water/land.
39 40 41	FENCE (IN/OUT)	Set cockpit switches as appropriate before entering/exiting the combat area.
42 43	FERRET	[NATO] (EW) Airborne electronic reconnaissance activity or aircraft.
44 45 46	FLANK (direction)	CONTACT aspect stabilized at 120 to 150 degrees angle from tail or 30 to 60 degrees angle from nose.

Directive to deploy flares.
Temporarily activate specified system for identification purposes (IFF/afterburner/flare/chaff/etc.).
Directive term for helicopter to turn on IR floodlight (pointed at ground to aid visual acquisition by escort aircraft).
Visually identified nationality of a contact.
Directive/informative call to expand the formation laterally within visual limits to maintain radar contact or prepare for a defensive response.
Directive call to fly stated heading.
Simulated/actual launch of air-to-air weapons. Semiactive radar-guided missile. IR-guided missile. Active radar-guided missile.
FOX THREE** Simulated or actual launch of multiple active
radar-guided missiles on the same target. [MAJOR CHANGE-USN/USMC]
Valid missile shot against (x) separate targets (assumes 1 missile per target). [MAJOR CHANGE-USN/USMC]
VHF/FM radio.
Directive call to AC-130 to freeze the GLINT position in the present location.
A positively identified friendly aircraft, *ship, or *ground position.

1 2 3 4 5	FURBALL*	Descriptive/informative call indicating known non-friendly aircraft and friendly aircraft are in close proximity to each other. Can be response to a DECLARE request. (NOTE: NATO term is MIX-UP)
6 7 8 9 10	GADABOUT	[NATO] Informative call indicating the upper limit of height sanctuary for fighters in the MEZ. ("GADABOUT 25" means the upper limit of the height sanctuary is 25,000 feet; "Gadabout 16 to 24" means the height sanctuary is between 16,000 to 24,000 feet).
11 12 13	GADGET	Radar or emitter equipment.
14 15 16	GATE	Directive/informative call to fly as quickly as possible, using after-burner/max power.
17 18	GENIE**	(EW) Emitter is employing electronic protection measures.
19 20 21	GIMBAL	Radar target is approaching azimuth or elevation tracking limits. [MINOR CHANGE]
22 23	GINGERBREAD	Voice imitative deception is suspected on this net.
24 25	GLOWWORM	[NATO] Flare dropping aircraft.
26 27	GO ACTIVE	Go to briefed frequency agile net.
28 29	GO CLEAR	Use unencrypted voice communications.
30 31	GO SECURE	Activate encrypted voice communications.
32 33	GOGGLE/DEGOGGLE**	Directive call to put on/take off NVDs.
34 35	GOGGLES ON/OFF**	Informative call that NVDs are on/off.
36 37 38	GOODWILL	Informative call indicating the boundary of an active friendly MEZ.
39 40 41 42	GOPHER**	A BOGEY that has not conformed to safe passage routing, airspeed, or altitude procedures. Will only be used when safe passage or minimum risk routing procedures are part of an ID matrix.
43 44 45	GORILLA	Large force of indeterminate numbers and formation.

1 2 3	GRANDSLAM	All HOSTILE aircraft of a designated track (or against which a mission was tasked) are shot down.
4 5	GREEN (direction)	Direction determined to be clearest of enemy air-to-air activity.
6 7 8	GREYHOUND	Friendly ground attack cruise missile (e.g., TLAM).
9 10 11	GRIDIRON	[NATO] (EW) Jamming signal appears on my PPI scope or jamming signal prevents determination of range and bearing% of time.
12 13 14 15	GROUP*	Any number of air contacts within 3 NM in azimuth and range of each other. (NOTE: NATO definition includes an altitude discrimination of within 20,000 feet)
16 17	GUNS	Reference to A/A or A/S gun engagement.
18 19 20	HANDSHAKE**	Link 16 Air Control NPG initiation between air control unit and controlled aircraft.
21 22 23 24	HARD (Direction)	High-G, energy sustaining 180 degree turn (or as directed) in the indicated direction.
24 25 26 27 28	HEADBUTT**	Directive term to fighters /interceptors to immediately divert a track of interest clear of a restricted or prohibited area.
29	HEADS UP	Alert of an activity of interest.
30 31 32 33	HEAVY*	A GROUP known to contain three or more individual entities. [MINOR CHANGE]
34 35 36	HIGH*	CONTACT is greater than 40,000 ft MSL. (NOTE: NATO is 25,000 to 50,000 ft MSL) [MAJOR CHANGE]
37 38 39 40	HIT(S)	<ol> <li>Momentary radar return(s).</li> <li>(A/A) Indicates approximate target altitude (e.g., GROUP BULLSEYE 360/10, HITS 15 thousand).</li> <li>(A/S) Weapons impact within lethal distance.</li> </ol>
42	HOLD DOWN	Directive to key transmitter for DF steer.
43 44 45 46	HOLD FIRE	(S/A) An emergency fire control order to stop firing on a designated target, to include destruction of any missiles inflight.

1 2	HOLDING HANDS	Aircraft in visual formation.
3	HOLLOW**	Any data link message not received.
5	HOME PLATE	Home airfield or ship.
7 8 9	HOOK():	1. <b>(direction)</b> Directive call to perform an in-place 180-degree turn.
10 11 12 13		2. (descriptor)** Datalink directive call to cue sensors to described A/S point (point of interest, SAM, markpoint, TN, etc.) [MAJOR CHANGE]
14 15	HOSTILE*	A contact identified as enemy upon which clearance to fire is authorized in accordance with theater rules of
16 17		engagement.  NOTE: THE ABOVE USE OF HOSTILE IS USED AS A
18		BREVITY TERM FOR AIR-TO-AIR, AND AIR-TO-SURFACE
19		ENGAGEMENTS AND SHOULD NOT BE CONFUSED WITH
20		THE SAME TERM IN TADIL AND ROE.
21		<b>NOTE:</b> NATO "HOSTILE" brevity term does not necessarily
22		constitute authorization to fire. Theater Commander should
22 23		specify in ATO SPINS the exact definition of HOSTILE
24		brevity term for combined operations. [MAJOR CHANGE]
25		
26	НОТ	1. A descriptive/directive call to initiate a turn in the CAP
27		toward the anticipated threats.
28		2. *Defined area is expected to receive fire (enemy or
29		friendly).
30		3. (A/S) Ordnance employment intended or completed.
31		4. CONTACT aspect stabilized at 160-180 degrees angle
32		from tail or $0-20$ degrees angle from nose.
33		5. Intercept geometry will result in passing in front of the
34 35		target. [MINOR CHANGE]
36	HOTDOG (color)**	Informative/directive call that a friendly aircraft is
37	HOTDOG (color)	approaching or is at a specified standoff distance from the
38		sovereign airspace of a nation (as defined by national
39		boundaries or territorial sea and airspace). (Color may
40		indicate additional standoff distance.) Follow briefed
41		procedures.
42		•
43 44	HOTEL FOX	HF radio.
45 46	HOUNDOG	[NATO] (A/A) Call made by free fighter indicating that he is in a position to employ weapons.

- 1		
1 2 3	HUFFDUFF	[NATO] (EW) HFDF equipment or unit fitted with HFDF equipment.
4 5	HUSKY	Informative call that the AIM-120 is at HPRF active range.
6 7 8 9	ID	<ol> <li>Directive call to identify the target.</li> <li>Informative call that identification is accomplished, followed by type.</li> </ol>
10 11 12	IDLE**	Joint STARS call indicating surface vehicles are stationary
13 14 15 16 17	IN (direction)	<ol> <li>Informative call indicating a turn toward a known threat Opposite of OUT.</li> <li>* Entering terminal phase of an air-to-ground attack.</li> <li>Opposite of OFF.</li> </ol>
17 18 19	IN PLACE (direction)**	Perform indicated maneuver simultaneously.
20 21	INDIA	Mode IV.
22 23 24	INTERROGATE	Interrogate the designated contact of the IFF mode indicated.
25 26 27	INTRUDER	An individual, unit or weapon system in or near an operational or exercise area, which represents the threat of intelligence gathering or disruptive activity.
28 29 30	JACKAL	Surveillance network participating group (NPG) of Link 16/TADIL J.
31 32 33	JINK	Directive call to perform an unpredictable maneuver to negate a tracking solution.
34 35 36	JOKER*	Fuel state above BINGO at which separation/bugout/event termination should begin.
37 38 39 40 41	JUDY	Aircrew has radar or visual contact on the correct target, has taken control of the intercept and only requires situation awareness information; Controller will minimize radio transmissions.
42 43 44 45 46		

KILL	<ol> <li>1.* Directive call to fire on designated target. (NOTE: NATO term is ENGAGE)</li> <li>2. (A/A) In training, an informative call by a fighter to indicate kill criteria has been fulfilled.</li> <li>3.* (S/A) Directive call to kill enemy air platform(s) or missile(s) at the earliest opportunity, consistent with the force's mission. [MINOR CHANGE]</li> </ol>
KNOCK IT OFF	In training, a directive call to cease all air combat maneuvers/attacks/ activities/exercises.
KOBOLD	[NATO] Informative call indicating that a specific friendly MEZ is not active. (Opposite of OILFIELD).
LADDER	Picture label with three or more groups on the same azimuth but separated by range. *Group names should be LEAD GROUP, MIDDLE GROUP, TRAIL GROUP
LAME DUCK	An aircraft in a minor state of emergency.
LASER ON	Directive call to start laser designation.
LASING**	Informative call indicating that the speaker is firing the laser.
LAST**	Command and control (C2) term that provides the last contact altitude from a high fidelity source (fighter radar, etc.).
LEVEL	(A/A) Inter-flight informative call that contact is coaltitude.
LEAD-TRAIL	Inner GROUP formation of two contacts separated in range.
LEAKER(S)	Airborne threat has passed through a defensive layer. Call should include amplifying information.
LEAN (direction)**	Directive/informative call to maneuver in a direction to avoid the threat.
LIGHTS ON/OFF	Directive to turn on/off all exterior lights.
LIGHTBULB**	Directive call for flight to turn all position lights to bright.
	KNOCK IT OFF  KOBOLD  LADDER  LAME DUCK  LASER ON  LASING**  LAST**  LEVEL  LEAD-TRAIL  LEAKER(S)  LEAN (direction)**  LIGHTS ON/OFF

1 2	LINE ABREAST	Inner GROUP formation of two or more contacts separated in azimuth.
3 4 5	LINER	[NATO] Fly at speed giving maximum cruising range.
5 6 7 8 9	LOCKED	<ol> <li>(w/GROUP label) Radar lock-on; SORT is not assumed.</li> <li>(w/position) Radar lock-on; correct targeting is not assumed.</li> </ol>
11 12 13 14	LONG RIFLE (launch loca	(A/S) Friendly, long range air to surface missile launch (e.g. AGM-130, SLAM- ER).
15 16 17	LOOKING	Aircrew does not have the ground object, reference point, target in sight (opposite of CONTACT).
18 19 20	LOW*	Contact altitude below 10,000 ft MSL. (NOTE: NATO = 500 to 5,000 feet AGL) [MINOR CHANGE]
21 22 23	LOWDOWN	A request to provide tactical ground information pertinent to the mission in a digital bullseye format.
24 25	MADDOG	Visual AIM-120 / AIM-54 launch.
26 27	MAGNUM (system/locatio	n) (A/S) Launch of friendly antiradiation missile.
28 29 30 31	MANEUVER (AZIMUTH	/RANGE/ALTITUDE)** Informative call that specified GROUP is maneuvering in azimuth, range, and/or altitude.
32 33	MAPPING	(A/S) Multifunction radar in an A/G mode.
33 34 35 36 37 38 39 40 41	MARK**	<ol> <li>Used when aircraft passes over pickup zone/landing zone (PZ/LZ) team.</li> <li>Directive term to record the location of a ground point of interest.</li> <li>(S/S) Spotting round (normally white phosphorus [WP] or illumination on the deck to indicate targets to aircraft, ground troops, or fire support.</li> </ol>
42 43	MARKING**	Informative call indicating friendly aircraft is leaving contrails. ( <i>NOTE:</i> NATO term is CONNING)
44 45 46	MARKPOINT**	Datalink non-designated geographic point of interest.

1	MARSHAL(ING)	Establish(ed) at a specific point.
2 3 4 5	MEDIUM*	Contact altitude between 10,000 ft MSL and 40,000 ft MSL. ( <i>NOTE:</i> NATO: 5,000' AGL to 25,000' MSL) [MAJOR CHANGE]
6 7 8 9 10	MERGE(D)	<ol> <li>Information that friendlies and targets have arrived in the same visual arena.</li> <li>Informative call indicating radar returns have come together.</li> </ol>
12	MICKEY	HAVE QUICK time-of-day (TOD) signal.
13 14 15 16	MIDNIGHT	Informative call advising that C2 radar functions are unavailable due to degradation. Advisory information is still available. Opposite of SUNRISE.
17 18 19	MIKEDUFF	[NATO] (EW) MFDF equipment or unit fitted with MFDF equipment.
20 21 22 23 24	MILLER TIME**	(A/S) Informative call indicating completion of air-to- ground ordnance delivery. Generally used by the last striker in conjunction with a pre-coordinated egress plan. [MAJORCHANGE- deleted CSAR definition]
25 26 27 28 29	MONITOR(ING)	<ol> <li>Maintain(ing) sensor awareness on specified GROUP.</li> <li>* Directive call to an aircraft to maintain contact/targeting information on a maritime surface contact. [MINOR CHANGE – Deleted BIRDDOG]</li> </ol>
30 31 32	MOTHER	(AIR-MAR) Parent ship.
33 34 35	MOVE BURN (bearing)**	(A/S) Directive call to AC-130 to move GLINT in specified direction. <i>NOTE: Do not use LEFT/RIGHT for moving a BURN</i> .
36 37	MOVER(S)**	Unidentified surface vehicles(s) in motion.
38 39 40 41	MUD (type w/direction/ran	<b>Informative call Indicating RWR ground</b> threat displayed with no launch indication. [MINOR CHANGE]
42 43	MUSIC	Radar electronic deceptive jamming.
44 45 46	NAILS (direction)	<ol> <li>RWR indication of AI radar in search.</li> <li>*(A/S) 2.75-inch flechette rockets. [MINOR CHANGE]</li> </ol>

1		
2 3	NAKED	No RWR indications.
4 5 6 7	NEAR-FAR**	Fighter term depicting a radar-apparent description of two or more contacts within a GROUP separated in range.  [MAJOR CHANGE-USN/USMC]
8 9 10	NEGATIVE CONTACT**	Sensor information on a friendly aircraft is lost. Termination of CONTACT, track plotting is not warranted.
11	NEGATIVE LASER**	(A/S) Aircraft has not acquired Laser energy.
12 13 14 15	NEW PICTURE	Used by controller or aircrew when tactical picture has changed. Supersedes all previous calls and re-establishes picture for all players.
16 17	NO FACTOR	Not a threat.
18 19 20 21	NO JOY	Aircrew does not have visual contact with the target/bandit/landmark. Opposite of TALLY.
22 23 24	NOTCH(ING) (direction)	Directive/informative call that an aircraft is in a defensive position and maneuvering with reference to an air-to-air threat.
25 26 27 28	OCCUPIED**	Ground equipment present at tasked target location. Opposite of VACANT.
29 30 31	OFF (direction)	Informative call indicating attack is terminated and maneuvering to the indicated direction.
32 33 34	OFFSET (direction)	Directive/informative call indicating maneuver in a specified direction with reference to the target.
35 36	(system) OKAY	System indicated is fully operative (cancels BENT).
37 38 39	ON STATION	Informative call that unit/aircraft has reached assigned station.
40	OPENING	Increasing in separation.
41 42 43 44	ORBIT(ING)	Directive/descriptive call hold on current or indicated position.
45 46	OUT (direction)	Informative call indicating a turn to a cold aspect relative to a known threat.

1		
2 3	OUTLAW**	Informative call that a BOGEY has met point of origin criteria for ROE.
4 5	PACKAGE	Geographically isolated collection of GROUPs.
6 7 8 9	PACMAN	[NATO] Informative call that the fighters have found the end of the threat formation and are converting; given in range and bearing from the BULLSEYE ("BLUE 4 is PACMAN 290/5").
11 12 13 14	PADLOCKED	Informative call indicating aircrew cannot take eyes off an aircraft, ground target, or surface position without risk of losing TALLY/VISUAL.
15 16 17 18	PAINT(S)	An interrogated group/radar contact that is responding with any of the specified IFF/SIF modes and correct codes established for the ID criteria.
19 20 21	PANCAKE	[NATO] Land or I wish to land (reason may be specified, e.g. PANCAKE AMMO, PANCAKE FUEL).
22 23 24	PARROT	IFF/SIF transponder.
25 26 27	PASSING**	Descriptive term for when two GROUPs initially separated in range, decrease range separation and pass each other.
28 29	PEDRO	[NATO] Rescue helicopter.
30 31 32	PICTURE	A request to provide air information pertinent to the mission in a digital bullseye format.
33 34 35	PIGS AWAY (launch locat	tion in bullseye format and weapons track direction)** (A/S) Launch of friendly glide weapon (i.e., JSOW).
36 37	PIGEONS	Magnetic bearing and range to HOMEPLATE.
38 39	PINCE	Threat maneuvering for a bracket attack.
40 41	PINNACLE	[NATO] (EW) An emission believed to originate from a platform assumed to be FRIENDLY.
42 43 44 45 46	PITBULL	<ol> <li>Informative call that the AIM-120 is at MPRF active range.</li> <li>Informative call that the AIM-54 is at active range.</li> </ol>

1 2 3	PITCH/PITCHBACK LEF	<b>T/RIGHT</b> Directive call for fighter or flight to execute a nose-high heading reversal.
4 5	PLAYMATE	Cooperating aircraft.
6 7 8 9	PLAYTIME	Amount of time aircraft can remain on station, given in hours plus minutes (e.g. ONE PLUS THIRTY equals one hour and thirty minutes). [MINOR CHANGE]
10 11 12 13 14	(freq) POGO (freq)	Switch to communication channel number preceding POGO. If unable to establish communications, switch to channel number following POGO. If no channel number follows POGO, return to this channel.
15 16	POINT**	Datalink sensor point/track of interest.
17 18 19	POP	<ol> <li>(A/S) Starting climb for A/S attack.</li> <li>Max performance climb out of low-altitude structure.</li> </ol>
20 21 22	POLAR BEAR (direction)	[NATO] Friendly aircraft has VISUAL/contact on the friendly package and is joining.
23 24 25	POPCORN**	CSAR aircraft departing the landing zone (LZ). Usually followed by number of recovered personnel, (eg. "STING 1, POPCORN PLUS 2")
26 27 28	POPEYE	Flying in clouds or area of reduced visibility.
29 30 31 32 33	POP-UP	<ol> <li>(A/A) Informative call of a GROUP that has suddenly appeared inside of briefed range.</li> <li>(S/A)* Criteria used as a self defense method, within the ROE, to protect friendly air defense elements from HOSTILE aircraft. [MAJOR CHANGE]</li> </ol>
34 35 36 37	POSIT	Request for friendly position; response in terms of a geographic landmark or from a common reference point.
38 39	POST HOLE	Rapid descending spiral.
40 41 42	PRESS	Directive call that a requested action is approved and mutual support will be maintained. [MAJOR CHANGE]
42 43 44	PRINT (Type)	Active NCTR reply.
44 45 46	PULSE**	Informative/Directive call used to illuminate an enemy position with flashing IR energy.

1 2	PUMP	A briefed maneuver to minimize closure on the threat or
3 4	TOMI	geographical boundary with the intent to re-engage. Used to initiate a Grinder tactic.
5 6 7	PURE	Informative call indicating pure pursuit is being used or directive to go pure pursuit.
8 9 10	PUSH (channel)	Directive to switch to designated frequency; no acknowledgment required.
11 12 13	PUSHING	Departing designated point.
13 14 15	QUAIL**	Enemy air-/surface-launched cruise missile.
16 17	RACKET	(EW) Intercepted electronic emission which has been assigned to a number of the trackblock.
18 19 20 21 22 23	RANGE*	A picture label describing two GROUPs separated in distance along the same line of bearing. Groups names will be LEAD GROUP / TRAIL GROUP.[MAJOR CHANGE - USN/USMC]
23 24	RAYGUN (position/headin	g/altitude) Indicating a radar lock-on to unknown
25 26	KATGON (position/neaum	aircraft. A request for a "BUDDY SPIKE" reply from friendly aircraft meeting these parameters.
27 28 29 30	RED LIGHT**	Time when search and rescue (SAR) aircraft is no longer SAR capable.
31	REFERENCE (direction)	Directive to assume stated heading.
32 33 34 35	RENO	[NATO] Indicates that more than one radar contact is observed and the pilot is able to distinguish his assigned target.
36 37 38	RENT	(EW) Report of characteristics of an intercepted signal.
39 40 41 42 43	REPEAT**	<ol> <li>(S/S) Directive call (during adjustment) to fire again using the same firing data.</li> <li>(S/S) Directive call (during fire for effect) to fire the same number of rounds using the same method of fire for effect.</li> </ol>
45	REPORTED (information)	•
46		source.

1		
2 3	RESET	Proceed to a pre-briefed position or area of operations.
5 6 7	RESTAKE**	Request for Joint STARS to drive a new STAKE at the target centroid reported with direction of travel and elevation. Initiated by aircrew.
8 9	RESUME	Resume last formation/route/mission ordered.
10 11 12	RETROGRADE	Directive/informative call to withdraw in response to a threat, continue mission as able, may RESET/RESUME if threat is negated. [MINOR CHANGE]
13 14 15 16	RIDER	A BOGEY that is conforming to safe passage routing, airspeed, or altitude procedures.
17	RIFLE	(A/S) Friendly air-to-surface missile launch.
18 19 20	RIPPLE	(A/S) Two or more munitions released or fired in close succession.
21 22 23	ROGER	Indicates the receipt of radio transmission; does not indicate compliance or reaction.
24 25 26 27	ROLEX (+/- time)	Time line adjustment in minutes always referenced from original preplanned mission execution time. PLUS means later; MINUS means earlier.
28 29 30	ROPE	Circling an IR pointer around an aircraft to help the aircraft identify the friendly ground position.
31 32 33	ROTATOR**	Joint STARS MTI returns that signifies a high probability of a rotating antenna.
34 35 36 37	RUMBA	<ol> <li>*Radar has detected jamming/mutual interference but has not resolved the type.</li> <li>[NATO] Own ship maneuvering for ranging.</li> </ol>
38 39 40	SADDLED	Informative call from wingman or element indicating the return to briefed formation position.
41 42 43	SAM (direction)	Visual acquisition of a SAM in flight or a SAM launch, should include position.
44 45 46	SAME	Informative reply indicating that the aircrew has the identical information as was just stated.

1		
2 3	SANDWICHED	Aircraft or element is between opposing aircraft or elements.
4 5 6	SAUNTER	Fly at best endurance.
7 8	SCAN	[NATO] Search sector indicated and report any contacts.
9 10 11	SCHLEM	(A/A) Training term for simulated high off boresight IR missile launch. Not assessable for simulated kill/kill removal.
12 13 14 15 16 17 18	SCRAM (direction)	<ol> <li>Directive/informative call to egress for defensive or survival reasons; no further HVAA mission support is expected.</li> <li>[NATO] Directive call to cease the intercept and take immediate evasive action. Implies that the target aircraft is being engaged by SAMs or other air defense fighters.</li> </ol>
19 20 21	SCRAMBLE	Takeoff as quickly as possible.
22 22 23 24	SCRUB**	Joint STARS Moving Target Indicator (MTI) return that signifies a low slow airborne target [MINOR CHANGE]
24 25 26	SCUD	Any threat TBM.
27 28 29	SEARCHER	(EW) Unit having intercept equipment without DF capability. All references to DUFFERs are applicable to searchers within their capabilities.
30 31 32	SEPARATE(ING)	Leaving a specific engagement; may or may not reenter.
33 34 35	SEPARATION**	Request for separation between two GROUPS. Response will include the follow-on GROUP's separation, altitude, and fill-ins.
36 37 38 39	SET	A command to set (or have set) a particular speed. May be in knots/indicated or in Mach.
40 41	SHACKLE	One weave, a single crossing of flight paths; maneuver to adjust or regain formation parameters.
42 43	SHADOW	Follow indicated target.
44 45 46	SHIFT (direction)	Directive call to shift laser/IR/radar/device energy. [MINOR CHANGE]

1		
2 3	SHOOTER	Aircraft/unit designated to employ ordnance.
4	SHOPPING**	An aircraft request to Joint STARS for a target.
5 6 7	SHOT**	(S/S) Informative call indicating round(s) has(ve) been fired.
8 9 10 11	SHOTGUN	<ol> <li>Pre-briefed weapons state. [MINOR CHANGE]</li> <li>[NATO] Pre-briefed weapons state at which separation/bugout should begin.</li> </ol>
12 13 14	(system) SICK**	System indicated is degraded/partially operative. (NOTE: NATO term is SOUR)
15 16 17 18	SIDE-SIDE**	Fighter term depicting a radar-apparent description of two or more CONTACTs within a GROUP separated in azimuth. [MAJOR CHANGE-USN/USMC]
19 20 21 22 23 24 25 26 27	(system) SILENT	<ol> <li>(time) System will be unavailable for time indicated.</li> <li>*Directive/informative call to indicate datalink is, or should be placed, in receive only.</li> <li>[NATO] (EW) Broadcast station is not transmitting. May also be used as an order and must be followed by a frequency or station designator. If possible it should be followed by an estimated time of return to the air.</li> </ol>
28 29	SINGER (type/direction)	Informative call of RWR indication of SAM launch.
30 31	SINGLE	Descriptive call indicating one GROUP, CONTACT, etc.
32 33 34	SKATE	(A/A) Informative or directive call to execute launch-and-leave tactics.
35 36	SKINNY**	Current survivor coordinates.
37 38 39	SKIP IT	Veto of fighter COMMIT, usually followed with further directions.
40 41 42	SKOSH	(A/A) Aircraft is out of/or unable to employ active radar missiles.
43 44 45	SKUNK	A maritime surface contact which has not yet been identified.

1 2 3 4	SLAPSHOT (type/bearing)	Directive call for an aircraft to immediately employ a best available HARM against a specified threat at the specified bearing. [MINOR CHANGE]
5 6 7 8	SLICE/SLICEBACK (LEF	<b>T/RIGHT)</b> Directive call to perform a high-G descending turn in the stated direction, usually 180 degree turn.
9 10 11 12	SLIDE**	Directive/informative call to/from HVAA to continue present mission while flowing from station in response to perceived threat, implies intent to RESET.
13 14 15	SLIP(PING)	(A/S) Directive (or informative) call indicating the attacker will attack the target at the alternate TOT.
16 17 18 19	SLOW*	Contact with ground speed of less than 200 knots. (NOTE: NATO = 200 to 400 kts] (Source: APP/MPP-7B) [MAJOR CHANGE]
20 21	SMASH (ON/OFF)	Directive call to turn on/off anti-collision lights.
22 23	SMOKE	(A/S) Smoke marker used to mark a position.
24 25	SNAKE	(A/S) Directive call to oscillate an IR pointer about a target.
26 27 28 29 30 31	SNAP	1.* Fighter request for immediate BRAA call (with appropriate fill-ins) to the group described. Indicates fighter intent to intercept/join. [MAJOR CHANGE-USN/USMC]  2. (heading) Urgent directive call to turn to a heading.
32 33 34 35 36	SNAPLOCK (BRAA)**	Informative call indicating fighter has obtained a radar contact inside briefed range, aspect, or radar mode.  [MAJOR CHANGE]
37 38	SNEAKER	[NATO] (EW) An intelligence gathering vessel.
39 40	SNIFF (type)	(EW) Passive sensor indication of a radar emitter.
41 42 43 44	SNIPER (type, location [ran	nge, bearing]) Directive call for an aircraft to employ a range-known HARM against a specified threat at the specified location.

1 2 3 4	SNOOPER	[NATO] An aircraft employed in the detection and reporting of opposing forces while avoiding detection by those forces.
5 6 7	SNOOZE	Directive or informative call indicating initiation of EMCON procedures. Opposite of ALARM.
8 9 10	SORT	Directive call to assign responsibility within a GROUP; criteria can be met visually, electronically (radar), or both.
11 12	SORTED	Sort responsibility within a GROUP has been met.
13 14 15 16 17 18 19 20 21	SOUR	(Opposite of SWEET)  1. (mode/type) Invalid/no response to an administrative IFF/SIF check.  2. (link name)* (e.g. "TIMBER SOUR") Indicates there are potential problems with net entry and initiates premission link troubleshooting.  3. [NATO] Equipment indicated is not operating efficiently
22 23 24 25	SPADES	An interrogated group/radar contact which lacks all of the ATO (or equivalent) IFF/SIF modes and codes required for the ID criteria.
26 27 28 29	SPARKLE	<ol> <li>(A/S) Target marking by IR pointer.</li> <li>(A/S) Target marking by gunship/ FAC-A using incendiary rounds.</li> </ol>
30 31	SPIKE(D) (direction)	RWR indication of an AI threat in track or launch.
32 33 34	SPIN	Directive or informative call to execute a timing/spacing maneuver.
35 36 37	SPITTER (direction)	An aircraft that has departed from the engagement or is departing the engaged fighter's targeting responsibility.
38 39 40 41	SPLASH(ED)	<ol> <li>(A/A) Target destroyed.</li> <li>(A/S) Weapons impact.</li> <li>(S/S) Informative call to observer or spotter five seconds prior to estimated time of impact.</li> </ol>
42 43 44 45 46	SPLIT	Informative/directive call that flight member is leaving formation to pursue a separate attack; VISUAL may not be maintained.

1 2 2	SPOOFER	(EW) An entity employing electronic or tactical deception measures. [MINOR CHANGE to NATO]
3 4 5	SPOOFING	Informative call that voice deception is being employed.
6	SPOT	(A/S) Acquisition of laser designation.
7 8 9 10	SQUAWK (mode/code)	Operate IFF/SIF as indicated or IFF/SIF is operating as indicated.
10 11 12 13 14	SQUAWKING (mode #)	An informative/descriptive call denoting a BOGEY is responding with an IFF/SIF mode or code other than that prescribed by the ATO/identification criteria.
15 16 17	STACK	Two or more CONTACTs within GROUP criteria with an altitude separation in relation to each other.
17 18 19	STAKE**	Joint STARS reference point for A/S targeting operations.
20 21 22 23 24 25	STARE (w/ laser code and	reference point)** Directive call to cue the laser spot search/tracker function on the specified laser code in relation to the specified reference point. Reference point may include the following: INS steerpoint, GEOREF, bearing and range or datalink point.
26 27 28 29	STATUS	<ol> <li>Request for an individual's tactical situation.</li> <li>(GROUP) Request for a full positional update in digital bullseye format on the specified group.</li> </ol>
30 31	STEADY	(A/S) Directive call to stop oscillation of IR pointer.
32 33 34	STERN	Request for, or directive to, intercept using STERN geometry.
35 36 37 38	STINGER*	1. (A/A) Three-ship inner GROUP formation with two lead CONTACTs line abreast and the SINGLE in trail. 2.* (S/A) An IR man portable air defense system (MANPADS).
40 41 42 43 44 45	STOP	<ol> <li>(A/S) Stop IR illumination of a target.</li> <li>* (BURN) (A/S) Directive call to AC-130 to stop GLINT.</li> <li>(abort code) [NATO] (A/S) J-TAC directs aircrew to abort the attack. This is a mandatory instruction. [MINOR CHANGE]</li> </ol>

1 2 3	STRANGER	Unidentified traffic that is not a participant with the action in progress.
4	STRANGLE ()	Turn off equipment indicated.
5 6	STRIPPED	Informative call that aircraft is out of prebriefed formation.
7 8	STROBE(S) (bearing)	Radar indication(s) of noise jamming.
9 10 11	SUNRISE	Informative call that C2 radar functions are available. Opposite of MIDNIGHT.
12 13 14	SUNSHINE	(A/S) Directive or informative call indicating illumination of target is being conducted with artificial illumination.
15 16 17 18 19 20 21	SWEET	(Opposite of SOUR.)  1. (mode/type)* Valid response to an administrative IFF/SIF check request.  2. (link name)*. (e.g. TIMBER SWEET) Confirms receipt of datalink information.  3. [NATO] Equipment indicated is operating efficiently
22 23 24 25	SWITCHED	Indicates an attacker is changing from one aircraft to another.
23 26 27	TACTICAL	(A/A) Request/directive to switch to tactical control.
28 29	TAG (system, location)**	(EW) Response to an emitter ambiguity resolution request (COLOR).
30 31 32	TALLY	Sighting of a target, non-friendly aircraft, landmark, or enemy position. Opposite of NO JOY.
33 34 35	TARGET ()	Directive call assigning targeting responsibilities. [MAJOR CHANGE]
36 37	TARGETED	Informative call that GROUP responsibility has been met.
38 39 40	TEN SECONDS	(A/S) Directive to terminal controller to standby for LASER ON call in approximately 10 seconds.
41 42 43 44 45	TERMINATE	<ol> <li>(A/S) Stop laser illumination of a target.</li> <li>In training, cease local engagement without affecting the overall exercise.</li> </ol>

1 2 3	THREAT (direction)	Untargeted HOSTILE/BANDIT/ BOGEY is within a briefed range of a friendly aircraft.
4 5	THROTTLES	Reminder to set throttles appropriately considering the IR threat and desired energy state.
6 7 8	THUNDER** impact.	(A/S) Informative call one minute prior to A/S weapons
9 10	TIED	Positive radar contact with element or aircraft.
11 12 13	TIGER	Enough fuel and ordnance to accept a commitment.
14 15	TIMBER	The Link 16 network [MINOR CHANGE]
16 17	TIMECHECK	Informative call to check/change IFF code.
18 19	TOGGLE**	Execute a briefed change of an avionics setting.
20 21	TOY**	HARM targeting system (HTS) pod.
22 23 24	TRACK (direction)	GROUP/CONTACT's direction of flight/movement. [MINOR CHANGE]
25 26	TRACK NUMBER (#)**	Datalink information file.
27 28 29	(system) TRACKING**	Enemy air defense system is maintaining situational awareness on friendly.
30 31	TRAVEL	[NATO] (EW) Change radar frequency.
32 33	TRASHED	Informative call that missile has been defeated.
34 35 36	TRESPASS (system, position	on) The addressed flight is entering the threat SAM ring of a specific (system) at the stated location.
37 38 39	TROUT	[NATO] (EW) Take a DF bearing on transmission indicated.
40 41 42	TUMBLEWEED	Indicates limited situational awareness, (i.e., NO JOY, BLIND) and is a request for information.
42 43 44	UNABLE	Cannot comply as requested or directed.
44 45 46	UNIFORM	UHF/AM radio.

VACANT**	Ground equipment not present at tasked target location. Opposite of OCCUPIED.
VAMPIRE	Hostile anti-ship missile.
VECTOR	Alter heading to magnetic heading indicated. (Use of true headings to be established before operation commences). [Minor change to NATO]
VERY FAST**	Target speed greater than 900 knots / 1.5 Mach . [MINOR CHANGE]
VIC	Picture label with three groups with the single closest in range and two groups, azimuth split, in trail. *Group names should be LEAD GROUP and NORTH TRAIL GROUP and SOUTH TRAIL GROUP or EAST TRAIL GROUP and WEST TRAIL GROUP.
VICTOR	VHF/AM radio.
VISUAL	Sighting of a friendly aircraft or ground position. Opposite of BLIND.
WALL	Picture label with three or more groups primarily split in azimuth. *Group names should be NORTH GROUP, MIDDLE GROUP, SOUTH GROUP or WEST GROUP, MIDDLE GROUP, EAST GROUP. [MAJOR CHANGE]
WARNING (color) RED YELLOW WHITE	Hostile attack is: Imminent or in progress. Probable. Improbable (all clear).
WEAPONS()  NATO  WEDGE**	<ol> <li>(S/A) Fire only:</li> <li>FREE - at targets not identified as FRIENDLY IAW current ROE.</li> <li>TIGHT - at targets positively identified as HOSTILE IAW current ROE.</li> <li>HOLD* - (USAF, USA, USMC)/ SAFE* (USN, in self-defense or in response to a formal order. (NOTE: USN, NATO use "WEAPONS SAFE" to avoid confusion with the phrase "HOLD FIRE.")</li> </ol> Three-ship inner GROUP formation with a single CONTACT closest in range and two trail CONTACTs line abreast.
	VAMPIRE VECTOR  VERY FAST**  VIC  VICTOR  VISUAL  WALL  WARNING (color)  RED  YELLOW WHITE  WEAPONS ()

WEEDS		Indicates that aircraft are operating close to the surface.	
WEIGHTE	ED (cardinal dire	ection)** Descriptive term used for a multiple	
		GROUP formation (WALL, LADDER, VIC,	
		CHAMPAGNE) that is offset in one direction. [MAJOF	₹
		CHANGE-USAF]	
WHAT LU	CK	Request for results of missions or tasks.	
WHAT ST	ATE (item)	Request for amount of fuel and missiles remaining.	
		Response to WHAT STATE is given as follows:	
	1. (US	S response)	
		number of active radar missiles remaining.	
		number of semi-active radar missiles remaining.	
		number of IR missiles remaining.	
	BY	C	
		thousands of pounds of fuel (given to one decimal point),	
		or time remaining.	
		Example response to WHAT STATE: "BLUE TWO IS 3	1
		2 BY 7 POINT 5" is equivalent to 3 AIM-120s, 1 AIM-7,	
		AIM-9s and 7,500 lbs of fuel remaining. Ammunition and	
		oxygen are reported only when specifically requested or	
		critical. [MINOR CHANGE]	
	2. (NA	ATO response)	
		WEAPONS - (- )	
		I havesemi-active plus IR missiles.	
	Remai	ining and gun ammunition is (PLUS, MINUS, ZERO).	
		- Gun(s) fitted and sufficient ammunition for a gun attack.	
		US - Gun(s) fitted but not sufficient ammunition for a gun	
	attack.		
	ZERO	O-No gun(s) fitted.	
		rth character can be given to indicate the number of front	
		phere capable missiles available (e.g. an aircraft with a	
	service	eable radar, loaded with 2 Sparrows, 2 Phoenix, 2	
	Sidew	inder AIM-9L, and fully loaded gun would report its state a	as
	"4-2-P	PLUS-6").	
WILCO		Will comply with received instructions.	
W/IDF**		Descriptive terms yead to indicate the competition between	
WIDE**		Descriptive term used to indicate the separation between the farthest GROUPs in azimuth in a relative formation of	£
			L
		three or more groups, used to describe a WALL, VIC,	
		CHAMPAGNE, or BOX. [MINOR CHANGE]	

1	WINCHESTER	No ordnance remaining.
2		
3	WINGS LEVEL**	(A/S) Informative call from aircraft to J-TAC reporting
4		rolled-out on final attack heading.
5		
6	<b>WOOFER</b>	[NATO] (EW) Off board active radar decoy.
7		
8	WORDS	Directive or interrogative call regarding further information
9		or directives pertinent to the mission.
10	WODING	1 ( , , , , , , , , , , , , , , , , , ,
11	WORKING	1. (system w/location) Platform gathering EOB on a
12		designated emitter.
13		2. Platform executing EID on a specific aircraft/group to
14		obtain identification necessary for BVR employment.
15	YARDSTICK	Directive to use A/A TACAN for remains
16	YARDSTICK	Directive to use A/A TACAN for ranging.
17 18	ZAP**	Daguage for data link information
19	ZAF	Request for data link information.
20	ZIPLIP	Directive cell to minimize radio transmissions [MINOD
21	CH LIF	Directive call to minimize radio transmissions. [MINOR CHANGE]
∠ I		CHANGE

Chapter II

1

2	Category Synopsis							
		<b>о</b> г	NEDAL AID ODEDATIO	NO				
4	/Conoral Operating To		NERAL AIR OPERATIO		Operate with Aircraft			
5 6	(General Operating Te	rms	for Aircrew and Units	ınat	Operate with Aircraft)			
7	ABORT	45	CLEARED	83	HOLDING HANDS			
8	ACTION		COLD		HOLD FIRE			
9	ALARM		COMEBACK		HOME PLATE			
10	ALPHA CHECK		CONFETTI		HOOK			
11	ANCHOR(ED)		CONS/		HOSTILE			
12	ANGELS	50	CONNING		HOTDOG			
13	ANYFACE		CONTACT		HOTEL FOX			
14	AS FRAGGED	52	CONTINUE	90				
15	AUTHENTICATE	53	CRUISE [NATO]		IN PLACE			
16	AUTOCAT		CYCLOPS		INDIA			
17	BASE		DASH		INTRUDER			
18	DANDIT	-	DEPLOY		JINK			
19	BEAD WINDOW BENT	57	DIVERT	05	IOKEB			
20	BENT	58	ЕСНО	96	KILL			
21	BINGO	59	ECHO ESTIMATE FADED	97	KNOCK IT OFF			
22	BITTERSWEET	60	FADED	98	KOBOLD [NATO]			
23	BLIND	61	FEET WET / DRY	99	LAME DUCK			
24	BOGEY		FENCE		LAST			
25	BRAA		FLARE(S)		LEAN			
26	BREAK	64	FLASH	102	LINER [NATO]			
27	BREAKAWAY	65	FLAVOR		MARKING			
28	BREVITY		FLOAT	104	MARSHAL(ING)			
29	BROADCAST	67	FOX MIKE	105	MICKEY			
30	BUGOUT	68	FRIENDLY	106	MIDNIGHT			
31	BULLSEYE		GADABOUT [NATO]		MOTHER			
32	BUSTER	70	GADGET		MUSIC			
33	BUTTON	71	GATE	109	NEGATIVE			
34	BUZZER	72	GINGERBREAD	110	CONTACT			
35	CAP / CAPPING	73	GLOWWORM [NATO]	111	NO FACTOR			
36	CAV-OK	74	GO ACTIVE	112	NO JOY			
37	CEASE	75	GO CLEAR	113	ON STATION			
38	ENGAGEMENT	76	GO SECURE	114	ORBIT(ING)			
39	CEASE FIRE	77	GOODWILL	115	OUTLAW			
40	CHATTERMARK	78	GREEN	116	PADLOCKED			
41	CHECK	79	GREYHOUND	117	PAINT(S)			
42	CHERUBS	80	HARD	118	PANCAKE [NATO]			
43	CHICKS	81	HEADS UP	119	PARROT			
44	CLEAN	82	HIT(S)	120	PIGEONS			

1 PITCH / PITCHBACK 47 STROBES 2 PLAYMATE 48 SUNRISE 3 PLAYTIME 4 POGO 5 POLAR BEAR [NATO] 6 POP 7 POPEYE 8 POSIT 9 PRESS 10 PUSH 11 PUSHING 12 REFERENCE 13 REPORTED 14 RESET 15 RESUME 16 RETROGRADE 63 17 RIDER 18 ROGER 64 19 SADDLED 65 20 SAM 21 SAME 22 SANDWICHED 23 SAUNTER 24 SCAN [NATO] 25 SCRAM 26 SCRAMBLE 27 SCRUB 28 SCUD 29 SET 30 SHACKLE 31 SHADOW 32 SHOTGUN 33 SICK 34 SILENT 35 SLICE/SLICEBACK 36 SKUNK 37 SNOOZE 38 SOUR 39 SPIN 40 SPADES 41 SPOOFING

42 SQUAWK 43 SQUAWKING 44 STATUS 45 STRANGER 46 STRIPPED

49 SWEET 50 TALLY 51 TERMINATE 52 TIED 53 TIGER 54 TIMECHECK 55 (system) TRACKING 56 TRESPASS 57 TUMBLEWEED 58 UNABLE 59 VAMPIRE 60 VECTOR 61 VISUAL 62 WARNING **RED** YELLOW WHITE 66 WEEDS 67 WELL 68 WHAT LUCK 69 WHAT STATE 70 WILCO 71 WINCHESTER 72 WORDS 73 YARDSTICK 74 ZIPLIP

1			<u> AIR-TO-AIR</u>		
2	(General Air-to-A	ir Emرا	ployment Terms fo	r Fighter	s and Controllers)
3	A CITION	4.7	COMED A CIV	0.0	CARCET
4	ACTION		COMEBACK		GADGET
5	ABORT		COMMIT		GATE
6	ACTION		COMPOSITION		GIMBALL
7	ALARM		CONFETTI		GOPHER
8	ALPHA CHECK		CONS/		GORILLA
9	ANCHOR(ED)		CONNING		GRAND SLAM
10	ANGELS		CONTACT		GREEN
11	ARM	54	CONTAINER		GROUP
	AZIMUTH		CONTINUE		GUNS
13	BASE		COVER		HARD
14	BANDIT	57	CRANK	100	HEADS UP
	BANZAI	58	CROSSING	101	HEADBUTT
16	BEAM		CRUISE		HEAVY
17	BEARING		CUTOFF		HIGH
18	BITTERSWEET		CYCLOPS		HIT(S)
	BLIND		DASH		HOLDING HANDS
20	BLOW THROUGH		DECLARE		HOLD FIRE
21	BOGEY		DEEP		HOOK
22	BOGEY DOPE		DELOUSE		HOSTILE
23	BOX		DEFENSIVE		HOT
24	BRAA	67	DEPLOY	110	HOUNDOG [NATO]
25	BRACKET	68	DRAG	111	HUSKY
26	BREAK		DROP(PING)		ID
27	BROADCAST	70	DUCK [NATO] ECHELON	113	IN
28	BROKE LOCK	71	ECHELON	114	IN PLACE
29	BUDDY LOCK		ЕСНО		INDIA
30	BUDDY SPIKE	73	ENGAGED	116	INTERROGATE
31	BUGOUT	74	ESTIMATE	117	JINK
32	BULLSEYE	75	EXTEND(ING)	118	JUDY
33	BUSTER		EYEBALL		KILL
34	CAP / CAPPING	77	FADED	120	KNOCK IT OFF
35	CEASE	78	FAST	121	LADDER
36	ENGAGEMENT	79	FLANK	122	LAST
37	CEASE FIRE	80	FLARE	123	LEAD-TRAIL
38	CHAMPAGNE	81	FLASH	124	LEAKER(S)
39	CHEAPSHOT	82	FLASHLIGHT		LEAN
40	CHECK	83	FLOAT	126	LEVEL
	CHERUBS	84	FLOW		LINE ABREAST
	CHICKS		FOX THREE		LINER [NATO]
43			2 <sup>ND</sup> FOX THREE		LOCKED
	CLEARED		FOX 3 (X)-SHIP		LOW
	CLOSING		FRIENDLY		MADDOG
	COLD		FURBALL		MANEUVER

1	MARKING		PUSH	87	SPITTER
2	MARSHAL(ING)	45	PUSHING	88	SPLASH(ED)
		46	RANGE	89	` /
4	MEDIUM MERGE(D)	47	QUAIL	90	SPOOFER
5	MIDNIGHT	48	RAYGUNRENO REPORTED	91	
6	MONITOR(ING)	49	REPORTED	92	
7	MUSIC	50	RESET	93	STACK
8	NAILS	51	RESUME	94	STATUS
9	NAKED NEAR-FAR	52	RETROGRADE	95	STERN
10	NEAR-FAR	53	RIDER	96	STINGER
11		54	RUMBA	97	STRANGER
12	CONTACT	55	SADDLED	98	STRANGLE
13	NEW PICTURE	56	SANDWICHED	99	STRIPPED
14	NO FACTOR	57	SAUNTER	100	STROBES
15	NO JOY NOTCH(ING)	58	SCHLEM	101	SUNRISE
16	NOTCH(ING)	59	SCRAM	102	SWEET
	OFF	60	SCRAMBLE	103	<b>SWITCHED</b>
18	ON STATION	61	SCRUB SEPARATE(ING)	104	TACTICAL
	OPENING	62	SEPARATE(ING)	105	TALLY
20	OUT	63	SEPERATION	106	TARGET
21	OUTLAW	64	SHACKLE	107	TARGETED
22	PACKAGE	65	SHADOW	108	<b>TERMINATE</b>
23	PACMAN [NATO]		SHOOTER	109	THREAT
24	PADLOCKED		SHOTGUN	110	THROTTLES
25	PAINT(S) PARROT	68	SIDE-SIDE	111	TIED
26	PARROT		SILENT	112	TIGER
27	PASSING	70	SINGLE	113	TRACK
28	PICTURE	71	SKATE	114	TRASHED
29	PITBULL	72	SKIP IT SKOSH	115	TUMBLEWEED
30	PITCH / PITCHBACK	73	SKOSH	116	VERY FAST
31	PINCE	74	SLICE/SLICEBACK	117	VIC
32	PITBULL	75	SLIDE	118	VISUAL
33	PLAYMATE	76	SLOW	119	WALL
34	POLAR BEAR	77	SNAP	120	WEEDS
35	POP	78	SNAPLOCK	121	WEDGE
36	POP-UP	79	SNIFF	122	WEIGHTED
37	POPEYE	80	SNOOZE	123	WHAT LUCK
38	POSIT	81	SORT	124	WHAT STATE
39	POST HOLE	82	SORTED	125	WIDE
40	PRESS	83	SOUR	126	WINCHESTER
41	PRINT (type)	84	SPADES	127	WORKING
42	PUMP	85	SPIKE(D)	128	YARDSTICK
43	PURE	86	SPIN		
129					

1			AIR-TO-SURFACE
2	(Terms for Gener	al Air-	to-Surface Employment for Attack Aircraft and
3	•		Controllers)
4			
5			
6	ABORT	47	SKUNK
7	ATTACK(ING)	48	SLIPPING
8	(weapon) AWAY	49	SPLASH(ED)
9	BRACKET	50	TALLY
10	BRUISER	51	THUNDER
11	BUMP/BUMP-UP	52	VACANT
12	CAPTURED	53	VISUAL
13	CLEARED HOT	54	WINGS LEVEL
14	COLD		
15	COMEOFF		
16	CONTACT		
17	CONTINUE		
18	CONTINUE DRY		
19	DANGER CLOSE		
20	DIVERT		
21	ENGAGE		
22	GREYHOUND		
23	GUNS		
24	HIT(S)		
25	HOT		
26	IN		
27	KILL		
28	LONG RIFLE		
29	LOOKING		
30	LOW DOWN		
31	LEAN		
32	MAGNUM		
33	MAPPING		
	MARK		
	MILLER TIME		
36	MONITOR(ING)		
37	NO JOY		
38	OCCUPIED		
39	OFF		
40	PIG(S) AWAY		
41	POP		
	RIFLE		
43	RIPPLE		
	ROLEX		
	SCAN		
46	SCUD		

1	CLOSE AIR		DATA LINKS		<u>LASERS</u>
2 3	SUPPORT (CAS)	48	•	94	DUDDY I ACE/CUIDE
<i>3</i>	ATTACK(INC)	49			BUDDY LASE/GUIDE
5	ATTACK(ING) ATTACK COMPLETE		Control, and Tactical		BUMP/BUMP-UP CAPTURED
		51 52	Aircraft Data Links)		
6 7	(weapon) AWAY BUMP/BUMP-UP	53	ALLIGATOR		CEASE (activity) CONTACT
8	CAPTURED				DEADEYE
9	CLEARED	55	BLOTTER		DIAMONDS
10 11	CLEARED HOT CLEARED TO		CHECK PRINT (track!)		LASER ON
			CHECKPRINT (track#)		LASING
12	ENGAGE		COLOR		NEGATIVE LASER
13	COLD		DATA		PULSE
	COME OFF		DIRTY		SHIFT (direction)
15	CONTACT	61		107	
16	CONTINUE		HANDSHAKE	108	` ,
	CONTINUE DRY		HOLLOW	109	
18	DANGER CLOSE	64	` 1 /	110	
19	ENGAGE	65	JACKAL	111	
20	GUNS		MARKPOINT		TERMINATE
21	HIT(S)		POINT	113	
22	HOT	68	SILENT	114	
23	IN	69	SORT	115	
	LONG RIFLE	70	SOUR (link name)	116	
25	LOOKING	71	SWEET (link name)	117	
26	OFF	72	TAG	118	
27	OFFSET	73	TARGET	119	
28	RIFLE	74	TIMBER	120	
29	SMOKE	75	TRACK NUMBER (#)	121	
30	SPARKLE		ZAP	122	
31	STOP (ABORT CODE)	77		123	
32	THUNDER	78		124	
33	WINGS LEVEL	79		125	
34		80		126	MARITIME AIR
	CSAR/SAR	81	<u>JSTARS</u>	127	<u>OPERATIONS</u>
36		82		128	
37	FLASHLIGHT	83	DETAILS	129	BULLRING
38	HOLD DOWN	84	IDLE	130	CHARLIE
39	MARK	85	LOWDOWN	131	DELTA()()
40	MILLER TIME	86	MOVERS	132	FAKER
41	PEDRO [NATO]	87	RESTAKE	133	FATHER
42	POPCORN	88	ROTATOR	134	FUEL STATE
43	RED LIGHT	89	SCRUB	135	MONITOR(ING)
44	SKINNY	90	SHOPPING	136	PANCAKE
45		91	SILENT	137	SKUNK
46		92	STAKE		

1 2	BASIC NVD / IR /	47 48	BASIC SEAD / SIGINT / EW	93 94	
3	<u>ILLUMINATION</u>	49	<u>INTEGRATION</u>	95	
4		50		96	
5	BURN	51	(system) ACTIVE	97	SNIFF
6	CLOAK	52	ADD (system/category)	98	SNIPER
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 6 BEANSTALK
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                 53 (EW)
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                 54 (EW)
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                 55 (EW)
10 CLOWN
                 56 (EW)
11 DANCE
                 57 (EW)
12 FAKER
                 58 (AIR-MAR)
13 FAN TACK
                 59 (EW)
14 FEELER
                 60 (EW)
                 61 (EW)
15 FERRET
16 GADABOUT
                 62 (AIR-GEN)
                 63 (AIR-GEN)
17 GLOWWORM
                 64 (EW)
18 GRIDIRON
                 65 (A/A)
19 HOUNDOG
20 HUFFDUFF
                 66 (EW)
                 67 (AIR-GEN)
21 KOBOLD
22 MIKEDUFF
                 68 (EW)
23 PACMAN
                 69 (A/S)
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24 PANCAKE
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29 SNOOPER
                 75 (EW)
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3		v			
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5			W electronic warfare		
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9	AGM air-to-ground missile		-POLE distance between shooter		
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18	ASM anti-ship missile		CI ground control intercept		
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29	DVIC beyond visual runge		ITS HARM targeting system		
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34	CSAR combat search and rescue		AW in accordance with		
35	CSI III Comour Scarcii ana l'escac		CAO International Civil Aviation		
36	D	79	Organization		
37	D	80 II			
38	DF direction finding		OM improved data modem		
39	DR decision range		FF identification, friend or foe		
40	Dit decision range		NS inertial navigation system		
41	Е	84 II	$\mathcal{E}$		
42	L	85	initial Cd		
43	ECM electronic countermeasures	86 J			
44	EID electronic identification	87			
45	EMCON emission control		TAC joint terminal attack controller		
46	EO electro optical		SOW joint stand-off weapon		
TU	Do officar	O) Ji	50 11 John Suma-off weapon		

1			47	SIF	selective identification feature
2	L		48	S/S	surface-to surface
3			49		
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6			52	TACA	N tactical air navigation
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18			64	U	
19	N		65		
20			66	UAV	unmanned aerial vehicle
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22	NM	nautical mile	68		
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25		_	71	VHF	very high frequency
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27			73	W	
28	OPTA	SK operational tasking	74		
29			75	WP	White Phosphorus
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31					
	PPI	plan position indicator			
33	PRF	pulse repetition frequency			
34	PZ	pickup zone			
35					
36	R				
37					
38	ROE	rules of engagement			
39	RWR	radar warning receiver			
40	~				
41	S				
42	G / A	c			
43	S/A	surface-to-air			
44	SAM	surface-to-air missile			
45	SEAD	suppression of enemy air			
46		defenses			

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