



In-Flight Guide

388th Virtual Fighter Squadron

Current As Of (CAO):

2019-12-17

Version 1.1





Authentication table: AET-100

								V	ersion 1.	0
	ABC	DEF	G H	ΙJ	K L	MNO	PQR	STU	V W	XYZ
Α	KWG	DIO	MB	ΗU	ΧL	ZEA	JFR	NVS	TC	QYP
В	JAR	NBE	G C	ΟY	VΗ	PLK	MDT	ZQI	SW	UFX
C	WID	AHZ	ΕK	LM	RF	NJU	OVG	XST	CY	BPQ
D	BAT	FDJ	ΙG	ZΕ	WS	KHX	ONY	PRL	U M	QCV
Е	SDZ	JXP	ВЕ	MY	ΗU	AWL	KFR	QCG	ΤN	VIO
F	LIA	WFD	ΕH	ΚZ	ΜJ	OGR	TUQ	V N X	PS	YBC
	0	1	2	3	4	5	6	7	8	9
G	BYT	CSZ	ΗК	G X	ΝI	RFV	DJW	LAM	PΕ	OQU
Н	HFB	ZSD	CI	A G	ΥK	RLP	UMV	NQJ	ХТ	EWO
- 1	SZM	DOC	G H	FΙ	РТ	NKR	JAW	VEQ	LY	UXB
J	REL	QAZ	ΚI	ТН	FΟ	XGW	DYU	CNV	SP	MBJ
K	RCK	ILH	Q T	US	ΥJ	FVB	WXN	GMZ	PΕ	ODA
L	ZBS	HCD	G F	ΙK	A L	RJM	PNV	QYT	WU	XOE
	0	1	2	3	4	5	6	7	8	9
M	EOX	UWT	ΥQ	VN	PM	JRL	AKI	FGD	СН	SBZ
N	IFG	DCH	SB	ZE	ОХ	UWT	YQV	NPM	J R	LAK
0	PMN	ECK	I S	G O	DW	AYZ	HFB	JTV	R Q	$X \cup L$
Р	NVQ	YTW	UX	OE	ZΒ	SHA	PMJ	RLK	ΙF	DCG
Q	GDF	CIH	KS	АВ	LΖ	RJE	OXU	WTY	Q V	NPM
R	MPJ	NRV	ZQ	LY	ВТ	SWH	UAK	XCO	G D	EFI
	0	1	2	3	4	5	6	7	8	9
S	BHD	FEX	WY	V P	JR	AIG	CSZ	OUT	QN	MLK
Т	DFK	LJP	VY	WX	ΕZ	SCG	IAR	MNQ	TU	ОВН
U	MPN	DZB	SH	C V	QY	GKR	JWU	XFE	LO	TIA
V	IKA	MPN	V Q	LR	JY	TWU	XOE	ZBS	HC	DGF
W	DGF	IWB	Z V	ΚA	LS	HCR	JMP	QYT	OE	UXN
X	ALR	JMF	ZΒ	S Q	C D	IKG	HWU	PNV	ΕY	TOX
Y	TMP	NBS	HC	WU	XK	IAL	RJO	ΕΖV	QY	DGF
	0	1	<u>2</u> Δ	3 FT – Aut	4 hentication	5 on Encryptic	n Table	7	8	9
	AET = Authentication Encryption Table									

COMPLEXITY (Uneven)

LUMBERJACK (Even)



SKIN, BORT, LOADOUT, FUEL SET

GROUND POWER.....

INTERNAL LIGHTS

AVIONICS....

MMC, ST STA, MDF, UHF, GPS

INS TO ALIGN.....

MIDS LVT.....



STARTUP 1 / 4

CONNECT

SFT

ON

ON

ALIGN NORM

INTERNAL LIGHTS	SEI
AIR SOURCE	NORM
FUEL MASTER	ON – GUARDED
ENGINE FEED	NORM
EPU	NORM – GUARDED
ENG CONT	PRI – GUARDED
THROTTLE	OFF
LANDING GEAR	DOWN and LOCKED
HOOK	UP
MASTER ARM	SAFE (OFF)
MAIN PWR Verify FLCS RLY light ON	BATT
FLCS PWR TEST Verify ACFT BATT TO FLCS, FLCS PMG & FLCS PWR (4) lights ON	TEST - HOLD
MAIN PWR Verify ELEC SYS, HYD/OIL PRESS, FLCS RLY, SEC & ENGINE lights ON	MAIN PWR
EPU GEN & EPU PMG lights	Confirm OFF
EXTERIOR LIGHTS	POSITION LIGHT- FLASH
C&I KNOB	BACKUP
AUDIO PANEL 1&2	AS REQUIRED
UHF BACKUP	SET & CHECK-IN



	START	UP 2 /	4
FLIGHT CLOCK	START		Е

L&R HARDPOINT..... AS REQ

FCR.....ON

RADAR ALTIMITER... STBY

IFF MASTER KNOB., SET&STANDBY

UFC RADIO...... SET & CHECK-IN

*DTC..... LOAD

CAT 1 / CAT 3.....AS REQ

SMS.....PROGRAM

ALOW.....SET

DED INS.....ENTER DATA

HUD.....AS REQ

C&I.....UFC

ATIS.....CHECK **AVIONICS PROGRAM**

SELECTIVE JETTISON SET

MSL.....SET BINGO...... SET JOKER *CRUISE......CHECK

TACAN.....PREP

*IDM.....CHECK BULLSEYE..... CHECK

STEERPOINTS......PROGRAM EGI CHECK ALIGNED..... SET NAV REPORT READY..... ALPHA CHECK & **ENGINE START**

ENGINE START CANOPY.....LOCKED JFS TO START 2...... VERIFY LIGHT

RPM 20%..... THROTTLE TO IDLE

FUEL FLOW...... 700-1700 PPH

FTIT..... < 650 DEGRESS C

AFTER START

TESTS.....PROBE, FIRE MAL& IND

RWR &CMDS...... ON / TEST/ STANDBY

OIL PRESSURE..... MIN 15 PSI

NOZZLE POSITION.... > 94%

RPM......62-80%

HYD PRESSURE A&B... 2850-3250

FLCS.....RUN BIT

SPEED BRAKE......CYCLE

HMDS..... ON &STOW

EPU FUEL QUANTITY... 95-102%

BACKUP ADI..... UNCAGE

NVG..... PREP & STOW

FUEL QUANTITY...... TEST & SET NORM

AIR REFUEL SWITCH CYCLE & CHECK

GROUND POWER..... DISCONNECT

FLIGHT CONTROLS... CYCLE & FREE

RPM 55%..... VERIFY JFS OFF RPM 60%..... VERIFY ENG. WARN OFF

RPM 15-70%...... VERIFY HYD/OIL OFF **ENGINE IDLE CHECK**





STARTUP 3 / 4

DBU CHECK				
DIGITAL BACKUP SWB	BACKUP			
DBU ON WARNING LIGHTC	CHECK ON			
ODEDATE CONTROLS	CHECK DESDONSE			

OPERATE CONTROLS	CHECK RESPONSE
DIGITAL BACKUP SW	OFF

DIGITAL BACKUP SW	OFF
DBU ON WARNING LIGHT	CHECK OFF

TRIM CHECKS

TRIM AP DISC SW	.DISC
STICK TRIM BUTTONS ACTION	CHECK NO RESPONSE
TRIM AP DISC SWITCH	NORM
CTION DUITTONO	OUEOK INDIOATORO & OFNITRE

STICK TRIM BUTTONS	CHECK	INDICATORS &	CENTRE
RUDDER TRIM CHECK	CHECK	AND CENTER	
EPU CHEC	K		

EPU CHEC	K
EPU GEN AND EPU PMG LIGHTS	CHECK OFF
OXYGEN	SET 100%

TOE BRAKES	ENGAGE
EPU SWITCH	OFF THEN NORM

THROTTLE	SET 80%
EPU/GEN TEST SW	EPU/GEN AND HOLD

EPU/GEN TEST SW	. EPU/GEN AND HOLD
EDIT VID LICHT	VEDIEV ON

EPU AIR LIGHT	VERIFY ON

LI O AIR LIGITI	VEIXII I OIV
EPU GEN AND EPU PMG LIGHTS	VERIFY OFF

EPU GEN AND EPU PMG LIGHTS	VERIFY OFF
ELCS DOWED	ON

FLCS POWER	ON
VERIFY EPU RUN LIGHT ON	WITHIN 5 SECONDS

THROTTLEIDLE

OXYGEN..... NORM

POSITION LIGHTS

TAXI LIGHTS



CTARTIES A / A

STEADY

SIARTUP 4 / 4
DEEODE TAVI

INS...... CHECK NAV

MFD'S......AS REQ

TGP......CHECK STOWED

GROUND CREW......CHECK CLEAR

REPORT.....READY TAXI

TAXI BRIEF (FLIGHT LEAD)...... COMPLETE

ON

HOLD SHORT

NOSE WHEEL STEERING.....ON

PROBE HEAT.....ON

BRAKESCHECK

TRIM AS REQ

ENGINE CONT......VERIFY PRI

EXTERNAL TANKS......VERIFY FEEDING

FLIGHT CONTROL..... FREE & CLEAR

OIL PRESSURE......CHECK PSI

TAKE OFF BRIEF (FLIGHT LEAD)......COMPLETE

ANTI COLLISION & LANDING LIGHT ON (LINE UP)

SPEED BRAKE......CLOSED

EJECTION SEAT...... ARM

TACANON

RADAR ALTIMITER..... ON

IFF.....NORM

ALTIMITER..... SET



NORMAL OPERATIONS

NORIVIAL OPERATIONS					
TAI	KE OFF	DECENT			
WIPEOUT	CLEAR	FUEL CHECK	BALANCE		
RPM	90%	LANDING LIGHT	ON		
ENG. CHECK	GREEN	SWITCHES	SAFE		
NWS	OFF (70KTS)	TGP	STOW		
CLI	MB OUT	ATIS	CHECK		
GEAR	UP	ILS/TACAN	PROGRAM		
ENGINE	GREEN	CRS/HDG	SET		
FUEL	CHECK FEED	FINAL SPEED	COMPUTE		
LANDING LIGHT	OFF	CLEAR COMP	LETE		
DRIFT CO	AS REQ	PROBE HEAT	OFF		
BACKUP AVIONIC	S.CHECK	ECM PWR	OFF		
	AAR	SPEED BRAKES	CLOSED		
MASTER ARM	SAFE	EJECTION SEAT	SAFE		
LASER ARM	SAFE	IFF	STBY		
SMS	VERIFY WPN SAFE	LANDING LIGHTS	TAXI		
CMDS	OFF	ANTI COLLISION	OFF		
TACAN	AS REQ	SHUTDOW	/N		
EMITTERS	AS REQ	EGI	OFF		
LIGHTS	AS REQ	AVIONICS	OFF		
		THROTTLE	OFF		

JFS RUN LIGHT..... CHECK

EP GEN/EPU PMG...... OFF

MAIN PWR..... OFF

OXYGEN..... OFF

CANOPY..... OPEN

STORES CONFIG....CONFIG

LIGHTS..... AS REQ



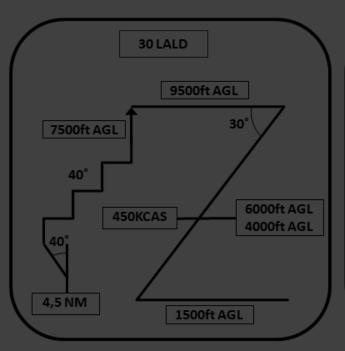
COMBAT OPERATIONS

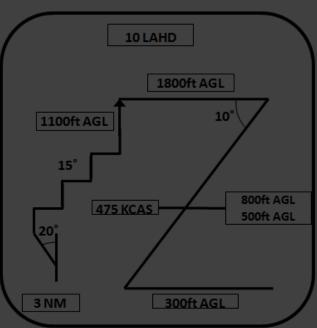
FE	NCE	A-G (CHECK
MASTER MODE	AS REQ	A-G MODE	SELECT
MASTER ARM	.ARM	MASTER ARM	ARM
RADAR	AS REQ	LASER ARM	AS REQ
TACAN	AS REQ	ORDNANCE	SELECTED
LASER ARM	AS REQ	PROFILE	SET
CHAFF/FLARES	SET	CMDS	.SET
* ECM JAMMER	AS REQ	SOI / SPI	SET
RWR	CHECK ON	CCIP / CCRP	AS REQ
HMDS	.ON	ATTACK BRIEF	.COMPLETE
IR COOL	SET	EGI	RESS
TGP	.AS REQ	OPS CHECK	.PERFORM
AGM65 PWR	.AS REQ	BUDDY CHECK	PERFORM
A-G WEAPONS	CHECK RELEASE PARAMTERS	BDA/INFLIGHT REP	TRANSMIT
THREAT&MSL VOLUME	.SET		

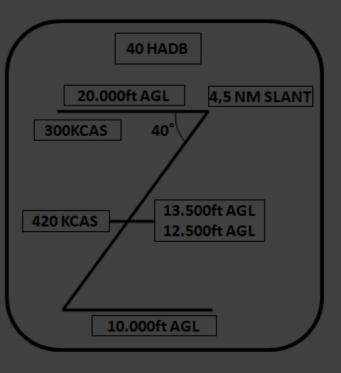




ATTACK PROFILES











Presets ATRM v1.0

	COMM 1 - UHF				CC	OMM 2	-VHF
1	310.0		Internal PRI	1			Internal SEC
2	237.0	BLUE 3	Check-in	2	126.1		Al Dahfra GND
3	228.0	ORANGE10	A-A #1	3	126.2		Al Dahfra TWR
4	249.0	GREEN4	A-G#1	4	127.1		Al Dahfra CNTRL
5	234.0	OCHRE 9	Inflight report	5	136.25	INDIGO6	AWACS backup
6	242.5	OCHRE 4	Range 1	6	132.75	LEMON3	Range 3 SEC
7	239.75	INDIGO 4	Range 2	7	120.25	OCHRE5	Range 4 SEC
8	243.75	CHERRY 8	Range 3	8	136.75	OCHRE 8	Range 5 SEC
9	225.75	INDIGO 10	Range 4	9	139.75	AQUA10	Range 6 SEC
10	235.75	AMBER 4	Range 5	10	130.7	YELLOW 6	Range 9 SEC
11	233.25	BROWN 7	Range 6	11	151.0	AR201	ARCO
12	234.75	PINK 7	Range 7	12	144.0	AR402 (R)	ARCO (RED)
13	230.5	INDIGO 11	Range 8	13	143.0	AR403 (R)	ARCO (RED)
14	236.5	LEMON 7	Range 9	14	150.0	AR101	ARCO
15	245.0	RED 5	Range10	15	118.2	TWR	Ras Al Kaimah(R)
16	228.75	GRAY 5	Range 11	16	124.2	TWR	Khasab (R)
17	242,25	ORANGE 2	Range 12	17	128.2	TWR	Sas Al Nakheel(R)
18	235.0	WHITE 11	MOA 1	18	119.2	TWR	Al Ain
19	246.25	ORANGE 7	MOA 2	19	121.2	TWR	Al Minhad
20	230.0	YELLOW 6	MOA 3	20	119.6	TWR	Liwa



TASK / MISSION

KILLBOX NAME

ENEMY SITUATION/

AND STATUS

LOCATION/

TARGET

THREAT

FRIENDLIES

(OPTIONAL)

ORDNANCE

REMARKS

important mission during an event.

Retasking brief is used from AWACS to retask a flight to a new, more

JTAC/FAC(A)/SCAR



Template format: Retasking brief



Mission number

Number and type AC

Position and altitude

Ordnance

Time on station

Capabilities

Abort code

flight to a SCAR flight

Fighter check-in is used by CAS flights to a JTAC/FAC(A) or from a AR



Template format: Fighter Check-in



GFC Intent for

Target/Enemy

CAS

Threat

Friendly

Artillery

Clearance

authority

Ordnance

requested

Restrictions

Hazards

Remarks

missions

388th vFS Kneeboard Pack



Template format:	Area of	Operations update

iempiate	tormat:	Area C	or Opera	tions u	paate

AO update is used by JTAC/FAC(A) to give a situation update for CAS

Templ	ate	format:	Area	of	Opera [®]	tions	upd	ate



Template	format:	CAS	briet

iem	plate	tormat:	CAS	briei

Type of Control

BOT/BOC

Ordnance

Method

9 LINE

GAMEPLAN

IP

Heading

Distance

Elevation Target

Location

Mark

Friendlies Egress

Remarks

Restrictions

CAS brief provides targeting information during CAS missions.

Remarks/Restrictions

Gameplan/Flow

Target description

Location

Elevation

Area weather

Current threat

Additional

information

information to AR flights

Template format: SCAR brief

SCAR brief is used to coordinate AR flights and give necessary



In Flight Report

Template	ioiiiiat. III	ingiic	пероп	

INFORMATION

In flight Report is used to provide BDA and situation updates to AWACS

132nd

INFLTREP

Callsign

Mission

Number

Target

Location

Time on Target

Results (BDA)

during a mission.

Remarks



Template	ioiiiiat. I	idildov	

brief

targets

in effect

callsigns

the second element during YO-YO operations

(if applicable)

(6) Frequency and

INFORMATION

Handoverbrief is used to brief either a new flight coming on station,

assuming the task/role/responsibility of the flight on station or to brief

132nd Battle handover

(1) Friendly situation

(2) Threat update

(3) Enemy situation /

(4) Control Measures

(5) Clearance authority





Transmission authentication: TAT-101

													Versio	n 1 0
0	0000		010	0		020	<u> </u>		03	<u></u>		0400	1	0500
	600		070			080			09			1000		1100
	200		130			140			15			1600		1700
	800		190			200			21			2200		2300
	- AQ	00	-	SX	00	-	BE	00		QI	00	- AW	00	- MH
	- QE	02		BU	02	_	ST	02	_		02	- QL	02	- MD
	- CE	04	_	ML	04	_	MW	04	_		04	- CH	04	- QW
	- ZR	06	_	MZ	06	_	AD	06	_		06	- CV	06	- ZN
00	- SY	08	_	CD	08	-	BI	08	_		08	- QC	08	- AX
4.0	- BY	10	_	CF	10	-	SU	10	-		10	- ZJ	10	- QT
12	- MT	12	-	BD	12	-	ВА	12	-	QF	12	- SM	12	- MQ
14	- MY	14	-	CW	14	-	AO	14	-	CY	14	- CO	14	- SE
16	- QY	16	-	ZQ	16	-	BT	16	-	ZG	16	- SD	16	- BF
18	- MA	18	-	BL	18	-	CR	18	-	MR	18	- ZD	18	- QO
20	- AT	20	-	CI	20	-	QQ	20	-	AB	20	- SP	20	- ZX
22	- AY	22	-	вх	22	-	AG	22	-	AN	22	- SK	22	- MF
24	- MS	24	-	MU	24	-	SS	24	-	SV	24	- QG	24	- BC
26	- BO	26	-	SR	26	-	ZA	26	-	AU	26	- BN	26	- BS
28	- BP	28	-	AE	28	-	AA	28	-	MC	28	- ZM	28	- ZK
	- AF	30	-	ZI	30	-	CP	30	-		30	- AP	30	- MN
	- AH	32	-	QR	32	-	QP	32	-		32	- SH	32	- QH
•	- MP	34	-	BZ	34	-	QA	34		AS	34	- ZC	34	- CB
	- SL	36	-	BR	36	-	QS	36	-	MX	36	- SQ	36	- BW
	- CA	38	-	ZL	38	-	ZS	38	-		38	- SF	38	- SZ
	- CS	40	-	MJ	40	-	MO	40	-	~~	40	- CG	40	- QZ
	- MG	42	-	BG	42	-	ВН	42	-		42	- SN	42	- CJ
	- QN	44	-	ZT	44	-	AJ	44	-	ZE	44	- ZY	44	- AL
46	- AC	46	-	AM	46	-	AK	46	-	SJ	46	- QX	46	- QV
	- MV	48	-	SG	48	-	ZO	48		QU	48	- ZH	48	- CQ
	- BM	50	-	ZF	50	-	SC	50		СХ	50	- ZW	50	- MB
	- SA	52	-	ZV	52	-	CK	52		CC	52	- BV	52	- QM
	- CT	54	-	AR	54	-	CL	54	-		54	- CM	54	- MK
	- MI	56	-	BJ	56	-	CZ	56		BK	56	- QB	56	- SB
58	- ZP	58	-	AZ	58	-	MM	58	-	AV	58	- CU	58	- ME

TAT=Transmission Authentication Table





132nd Frequencies

	1	2	3	4	5	6	7	8	9	10	11	
Blue	123.000	238.250	237.000	128.000	31.25	118.500	117.500	226.250	117.000	30.75	125.000	Blue
Green	30.00	45.00	120.000	229.000	230.250	248.750	231.500	32.25	137.750	123.750	32.50	Green
Red	140.250	31.00	35.25	127.100	245.000	30.50	231.250	118.000	134.100	243.500	119.250	Red
Yellow	227.500	128.100	237.750	34.00	121.250	230.000	121.100	225.000	31.75	133.000	121.750	Yellow
Orange	122.000	242.250	243.250	129.000	117.750	225.250	246.250	32.75	119.500	228.000	229.750	Orange
Purple	248.500	127.000	134.250	130.250	38.25	131.000	236.000	237.500	133.750	138.100	127.750	Purple
White	126.250	137.250	238.500	126.000	237.250	117.250	121.000	118.750	120.500	119.000	235.000	White
Gray	35.00	248.000	128.750	122.100	228.750	235.250	135.250	242.750	118.250	122.250	30.25	Gray
Pink	233.000	130.100	124.000	128.250	125.750	34.50	234.750	34.75	234.500	244.750	238.000	Pink
Brown	248.250	138.750	136.000	33.50	132.250	232	233.250	231.750	120.750	228.500	137.000	Brown
Violet	240.000	135.100	134.750	232.500	232.750	32.00	130.750	129.250	132.000	228.250	136.100	Violet
Amber	124.750	238.750	227.000	235.750	244.500	226.000	36.50	123.250	126.750	131.100	124.100	Amber
	1	2	3	4	5	6	7	8	9	10	11	
Aqua	33.75	129.750	226.750	131.250	231.000	247.750	133.100	233.750	236.250	139.750	36.75	Aqua
Cherry	121.500	31.50	242.000	35.75	243.000	138.000	132.100	243.750	239.250	131.750	244.250	Cherry
Gold	247.000	134.000	240.500	129.100	36.25	229.250	235.500	241.500	127.250	35.50	245.500	Gold
Coral	124.250	33.25	138.250	240.250	135.750	241.750	33.00	139.100	239.000	229.500	225.500	Coral
Indigo	137.100	119.750	233.500	239.750	245.750	136.250	139.000	246.500	140.750	225.750	230.500	Indigo
Lemon			132.750				236.500		234.250			Lemon
Lime	247.250	126.100	246.000	244.000	230.750	37.00	232.250	245.250	38.75	130.000	247.500	Lime
Maroon	139.250	38.00	239.500	122.750	39.25	39.50	240.750	241.000	37.25	226.500	140.000	Maroon
Ochre	227.750	236.750	227.250	242.500	120.250	39.00	38.50	136.750	234.000	125.250	39.75	Ochre
Olive	140.100	246.750	141.000	141.750	141.100	150.000		149.0	141.250	151.000		Olive
Black	35.650	25.375	48.550		36.300	37.800	38.200	39.800	40.400	41.000	36.333	Black
Bronze	309.000	140.700	130.700	135.700		306.000	132.700	310.000				Bronze
Copper		134.700		141.700		309.500			307.000	133.700		Copper
Silver	131.700	305.000	310.500	308.000			136.700		142.700	309.900		Silver
	1	2	3	4	5	6	7	8	9	10	11	





Contracts

TAXI:

- Trail

LINEUP:

- Echelon lineup (2ship)
- 3 in the slot (4ship)

TAKE-OFF / DEPARTURE /REJOIN

- 20 sec seperation
- AB off at 300kts
- 350kts
- Finger 4, #2 Left

CRUISE

- 350kts or M0.8 (what is lower)
- Turns: 30° bank

RECOVERY

- OHB
- 5 sec interval in the break

AIR COMBAT READINESS

- 450 Kts/M0.70 defensive Combat spread
- 500-1000ft vertical seperation
- Energy sustaining turns

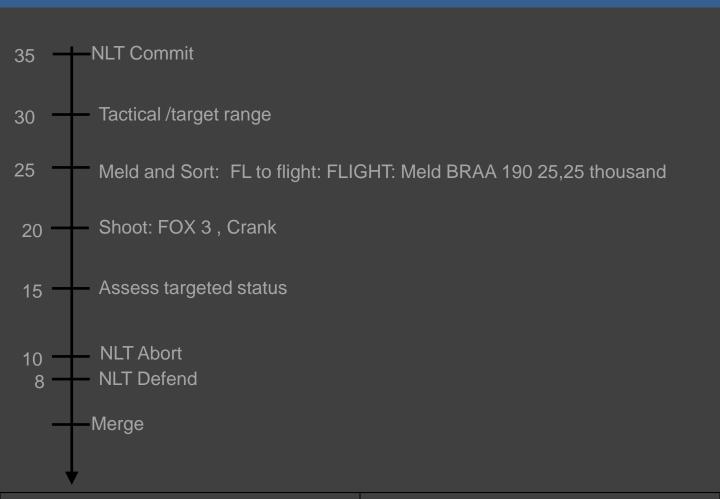
TARGETING

- 1: Lead, High, Left
- 2: Trail, Low, Right
- 3: Maintain SA; support





A-A BVR Timeline



4 Assumptions:

Visual: meaning they have sight of the other fighter

No Joy: meaning they do not have a tally on any unknown or hostile aircraft

Naked: meaning the fighters are not spiked by hostile radars

Clean: meaning the fighter has no radar contacts

#2 report if this changes and it have not been picked up by lead.

Brevity

MELD: Cease radar sanitization and focus radar on single target. Set:

- -Range to 40 NM
- -Reduce to 80 degrees Azimuth

Radar:

#1 High and far **#2** Low and near

Sorting:

#1: Left, Lead, High

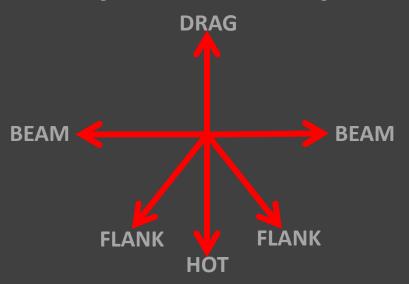
#2: Right, Trail, Low



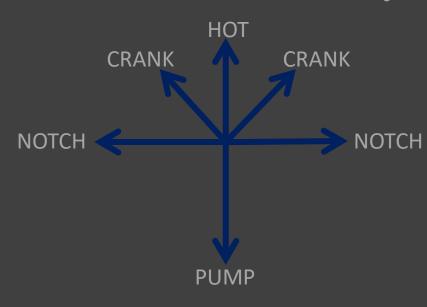


Reference

Enemy's relation to you



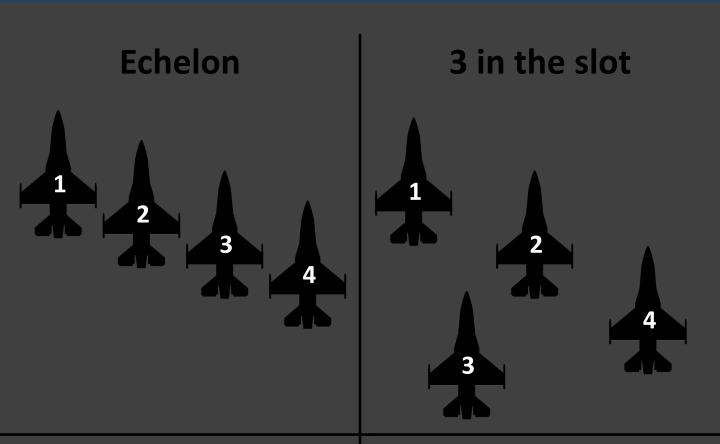
Your relation to enemy

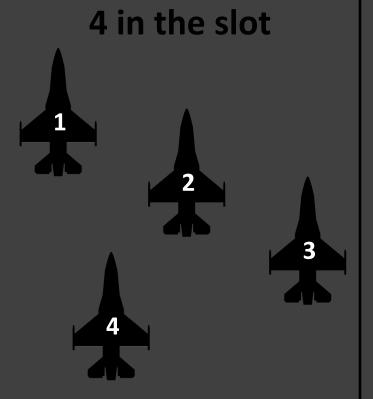






Lineups

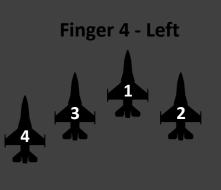




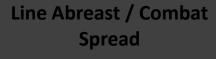




Formations



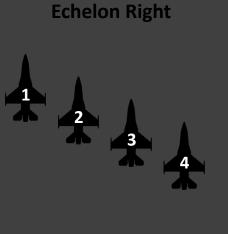






3ship VIC

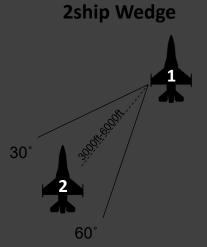


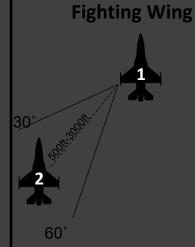


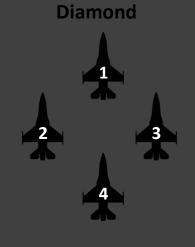
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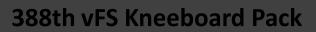








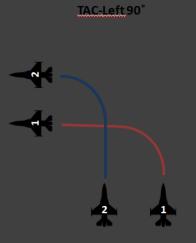




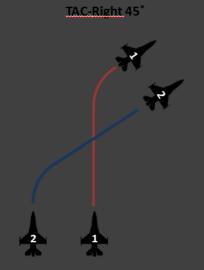




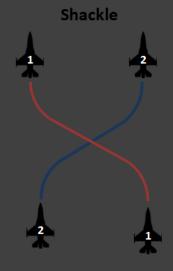
Turns



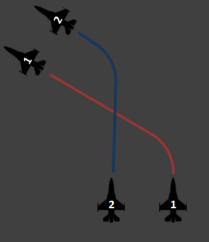
TAC-Left 45°



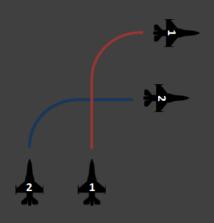
TAC-Right 90°



Cross Turn

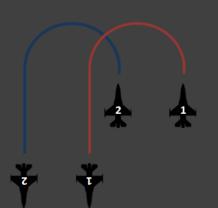


Hook Left



Hook Right



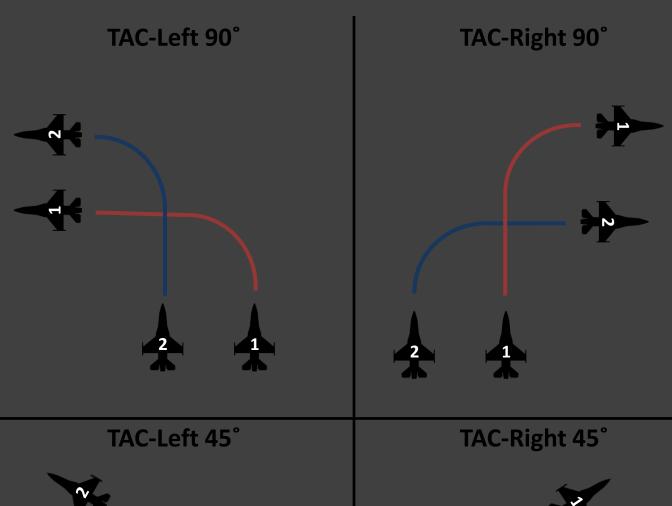


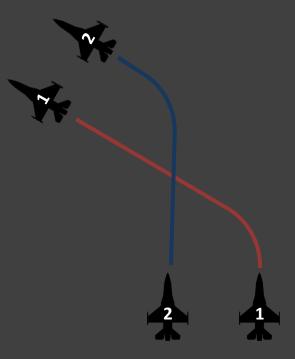


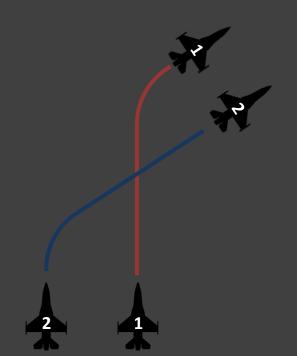




Turns page 1





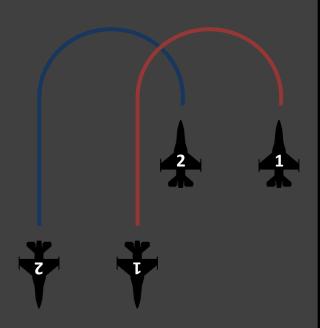




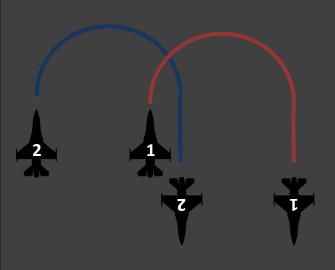


Turns page 2

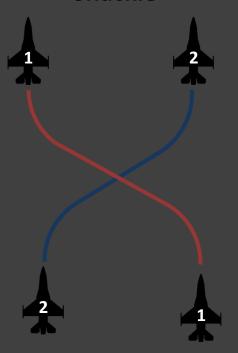




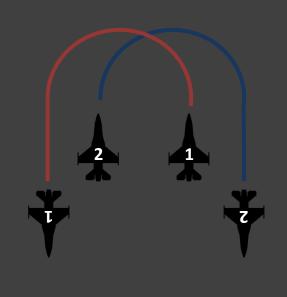
Hook Right



Shackle



Cross Turn







per minute

6.7

6.8

7.0

7.2

7.3

7.5

7.7

7.8

8.0

8.2

8.3

8.5

8.7

8.8

9.0

9.2

9.3

9.5

9.7

9.8

Knots and nautical miles

Knot

400

410

420

430

440

450

460

470

480

490

500

510

520

530

540

550

560

570

580

590

	Nautical mile	 Nautical mile
IXI		CS

Knot	

200

210

220

230

240

250

260

270

280

290

300

310

320

330

340

350

360

370

380

390

Nautical mile per minute

3.3

3.5

3.7

3.8

4.0

4.2

4.3

4.5

4.7

4.8

5.0

5.2

5.3

5.5

5.7

5.8

6.0

6.2

6.3

6.5



Template format: SCRAMBLE

	with an ling Agency)	(QRA/CAS/AR/CSA	_SCRAMBLE AR)
For	, Time is Ti	Z, I authe	nticate
Scramble	-light callsign		of AC
Vector	, at	Flightevel or Feet	
Proceed to	Area/Coording	ntes/Killbox/Location	
Contact	On 2 Agency	Frequency Bac	kup
Remarks:			

Weapon

CBU-87

GBU-12

GBU-10

GBU-38

GBU-31

AGM-65

GAU-8

UPK 23-250

9K121 VIKHR

M134 Minigun

2A42

S-8

S-13 OF

KH-25ML

M151, M229, M261

M151, M229, M261

CBU-103

MK-82 contact

MK84 contact

MK82 HD contact

0,1 % PI

300m

300m

350m

350m

300m

200m

250m

200m

250m

150m

250m

300m

75m

75m

50m

200m

250m

100m

175m

50m

Risk Esti	mate D	istances	(RED)

Description

500 lb bomb

drag

2000 lb

Cluster

Cluster

500 lb JDAM

warhead

altitude

2000 lb JDAM

2.75" Rockets

medium altitude

2.75" Rockets low

30mm Gatling gun

23mm Gunpod KA50

80mm Rocket KA-50

122mm Rocket KA50

130mm Missile KA50

275mm Missile KA50

7.62X51 gatling UH-1

30mm KA-50

Maverick 125 lb

500 lb bomb/ high-

500 lb Laser Guided

2000 lb Laser Guided







Target Location Error Catgory (TLE)

| TLE CAT |
|---------|---------|---------|---------|---------|---------------|
| 1 | 2 | | 4 | 5 | 6 |
| 0-6m | 7-15m | 16-30m | 31-91m | 92-305m | Above
305m |