



1-149th ARB Overview

MAJ(P) Scott P. Nicholas
CSM Robert Hartzog





1-149th ARB Experience

Who We Are...



• Active Duty Experience

- 24% of 1-149th ARB Aviators are prior Active Duty
- 47% of 1-149th ARB Soldiers are prior Active Duty

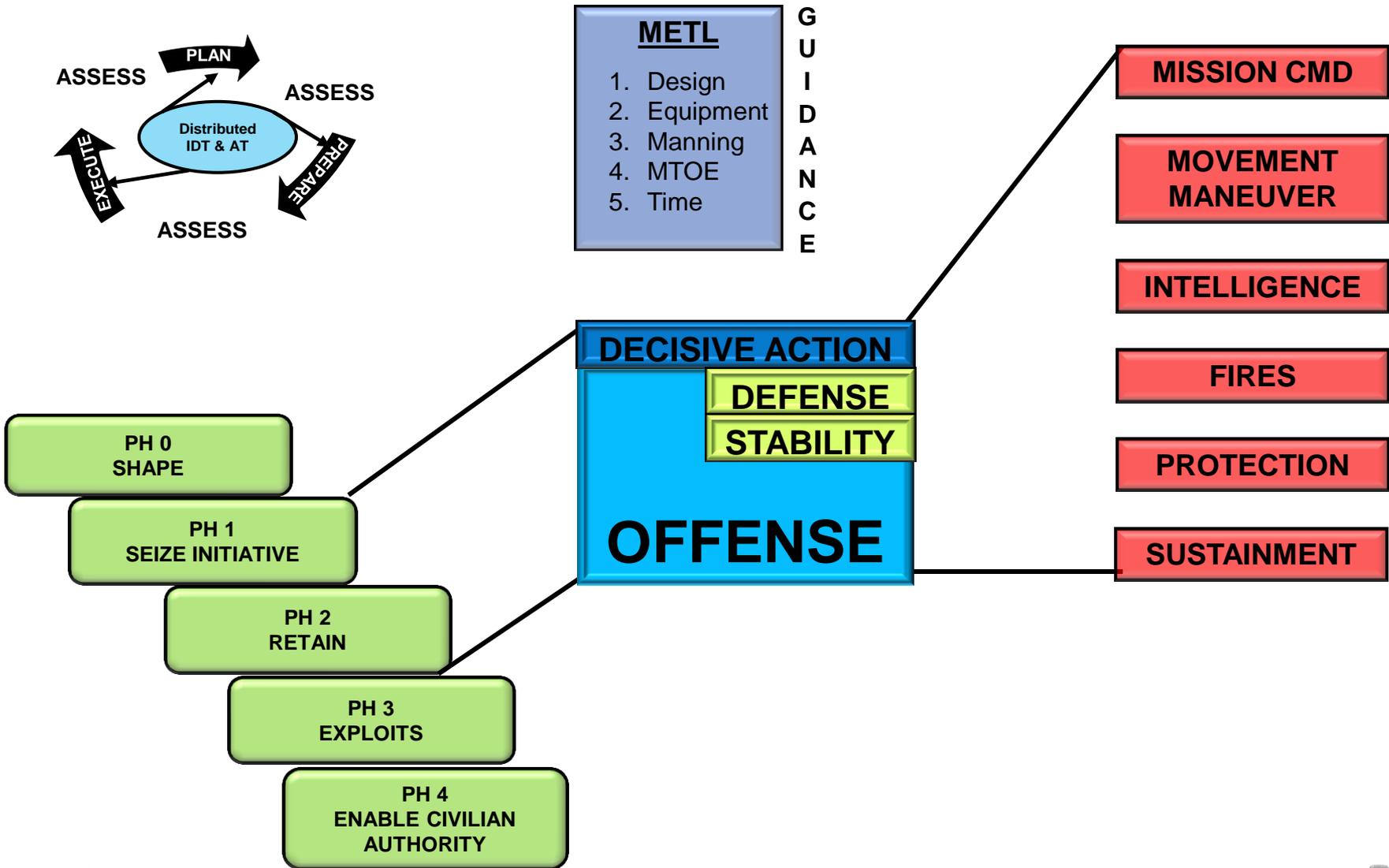


• Battalion/ HAASF Aviation Experience

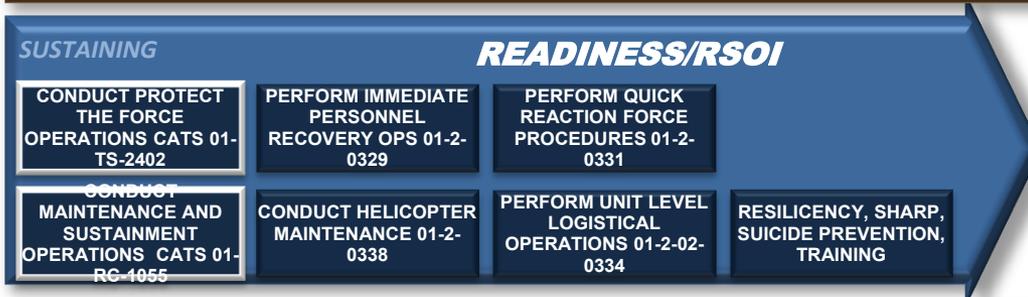
- Total accumulative flight hours within 1-149th: 77,930
- Total accumulative flight hours from HAASF: 31,865
- Total Combat hours: 17,166
- Average Flight hours: 1,257
- Average Combat hours: 636
- Average AH64 time: 607.6
- Highest total flight time Aviator in 36th CAB: 8,937.9 (Sandberg)
- Highest total flight time Aviator in the BN: 6,235.8 (Bryan)



BN TRAINING METHODOLOGY



METL Execution Plan



ENDSTATE

1-149th ARB:

Exercises all systems to deploy; executes collective training IAW ARFORGEN TY2 guidance; conducts integrated multi-functional logistics; redeploys.

36th CAB:

Oversees 1-149th ARB planning, preparation & execution of Aerial Gunnery/ CCA/ CAS 15; provides additional guidance/direction as necessary for success.

36th ID:

T-Patch is represented well in numerous annual ARNG exercises (WFX, CTC Rotations). Potential for other Divisional assets to support future exercises.





METL Progression



	FY15 Q1	FY15 Q2	FY15 Q3/AFS	FY15 AT
<u>CATS: Conduct Mission Command</u> 01-2-0005: Perform Command and Control Operations 01-2-5160: Perform Troop Leading Procedures	P P	P P	P P	P T
<u>CATS: Conduct Attack Helicopter Operations</u> 01-2-5193: Perform Aerial Hasty Attack Missions 01-2-7920: Perform Aerial Close Combat Attack Missions	P P	P P	P P	P P
<u>CATS: Plan and Conduct Reconnaissance and Surveillance Ops</u> 01-1-5122: Coordinate Aerial Reconnaissance Missions 34-6-3044: Disseminate Combat information and Intelligence	P P	P P	P P	P P
<u>CATS: Conduct Maintenance and Sustainment Operations</u> 01-2-0338: Conduct Helicopter Maintenance 01-2-02-0334: Perform Unit Level Logistical Operations	P P	P P	T P	T T
<u>CATS: Conduct Protect the Force Operations</u> 01-2-0329: Perform Immediate Personnel Recovery Operations 01-2-5225: Perform Quick Reaction Force Procedures	P U	P U	P P	P T
<u>CATS: Conduct Stability and Support Operations</u> 01-2-7759: Perform Aviation Urban Missions at the CO/TRP Level 01-2-5225: Perform Aerial Convoy Security Missions	U U	P P	P P	P P
<u>CATS: Deploy/ Redeploy</u> 55-9-4804: Conduct Pre Deployment Activities 55-9-4805: Conduct Deployment Activities	P P	P P	P P	P P
<u>CATS: Plan and Conduct Defense Support to Civil Authority Ops</u> 01-1-0343: Coordinate Mission Command for Aviation Support Missions	P	T	T	T





National Guard ARB Relevancy

How We Train...



National Guard ARBs remain relevant through individual and collective training, aerial gunnery qualifications, external evaluations, and operational activities.

FY15 Training Plan:

Aerial Gunnery

ARTAT

Operation Golden Coyote

FORSCOM ARMS

FY 16 Training Plan:

Gunfighter Fly-In

Aerial Gunnery

JRTC 16-07



Since 2011 1-149th ARB has conducted multiple JAATs/ CCA (dry and live), advanced gunnery tables, CALFEX's and PR training at the company/ battalion level.

1-149th ARB has also supported multiple AC ARB's with overwater training in preparation for the OEF-Ku deployments.





Stateside Training and Operations

(not including Annual Training or Deployment events)



- **Multi-Component and Combined Arms Training and Operations**
 - **US Special Operations Command – Operation Jaded Thunder (2008)**
 - ✓ Deployed to Avon Park, Florida in support of SOCOM training requirements
 - ✓ Conducted JAAT (Joint Air Attack Team) training with JTAC (Joint Terminal Attack Controller) personnel
 - **US Army, 75th Fires Brigade – Operation Diamond Freeze (2011)**
 - ✓ Deployed to Fort Sill in support of 75th Fires Brigade (Active Duty)
 - ✓ Conducted Call-for-Fire, Close Combat Attack, Close Air Support/Joint Air Attack Team training
 - ✓ Conducted TACP (Tactical Air Control Party) 9-Line training with US Army and USMC controller
 - ✓ Conducted extensive live-fire training with US Army Forward Observers
 - **Support for Title-10 Active Component Over-Water Training (2012-2013)**
 - ✓ Houston AASF supported the 4-501st ARB from Fort Bliss when deploying to Kuwait ISO 36th CAB TXARNG
 - ✓ Houston AASF supported the 4-227th ARB from Fort Hood when deploying to Kuwait ISO 36th CAB TXARNG
- **Inter-Service Training and Operations**
 - **US Navy Joint-SHIP Operations (2001)**
 - ✓ TXARNG contingent consisted of AH-64, UH-60 and CH-47 aircraft, crews and staff supported US Navy testing
 - ✓ 1-149th ARB operated AH-64A helicopters from USS Tarawa and other US Navy vessels
 - ✓ Conducted proof-of-concept activities for Army Aviation sea-based operations
 - **US Air Force, Texas Air National Guard – Operation Texas Red Flag (2011, 2012)**
 - ✓ Deployed to Yankee Range (Naval Air Station, Kingsville) in support of 147th Fighter Wing and 147th ASOS
 - ✓ Conducted Joint Air Attack Team 9-Line training with Air Force TACP personnel and F-16 aircrews
- **Defense Support to Civil Authorities Activities**
 - **Shuttle Columbia Recovery Support (2003)**
 - **Natural Disaster Support (2001-2008)**
 - ✓ Tropical Storm Allison (2001) - Personnel, Equipment and Staff support for flood rescue ongoing relief operations
 - ✓ Hurricane Katrina (2005) – Personnel, Equipment and Staff supported New Orleans evacuee relief operations
 - ✓ Hurricanes Rita (2005) and Ike (2008) – Supported EOC operations in Houston area





Stateside Training and Operations

(including Annual Training other Deployment training events)



• Combat Training Centers

○ **CMTC – Combat Mission Training Center Validation (2003)**

- ✓ Deployed to Hohenfels, Germany for RSOI (Reception, Staging, Onward Movement and Integration) into SFOR-13
- ✓ Conducted Task Force validation (Task Force Warrior) comprised of one UH-60 and one AH-64 company
- ✓ Conducted environmental and currency training before deploying into Bosnia-Herzegovina

○ **NTC – National Training Center Support (2004)**

- ✓ Deployed to Fort Irwin, California in support of the 278th RCT (Regimental Combat Team) Mission Readiness Exercise
- ✓ Conducted AH-64 operations in support of the NTC cadre to exercise and validate the rotational unit
- ✓ Task Organization included both UH-60 Assault and AH-64 Attack aircraft, crews and maintainers

○ **JRTC – Joint Readiness Training Center Support (2004)**

- ✓ Deployed to Fort Polk, Louisiana in support of the 39th BCT (Brigade Combat Team) Mission Readiness Exercise
- ✓ Conducted AH-64 operations in support of the JRTC cadre to exercise and validate the rotational unit
- ✓ Task Organization included UH-60 Assault, UH-60 MEDEVAC and AH-64 Attack aircraft, crews and maintainers

• Typical Annual Training Activities

○ **Transcontinental Aerial Gunnery (2005, 2008, 2009, 2010)**

- ✓ Deployed to Gowen Field, Idaho to conduct annual aerial gunnery qualification IAW FM 3-04.140 Helicopter Gunnery
- ✓ Coordinated line haul and commercial air contracting for equipment and personnel
- ✓ Conducted 1200 mile self-deployment of AH-64, UH-60 and LUH-72 aircraft to/from Idaho

○ **Fort Hood Annual Training (2011, 2012)**

- ✓ Deployed to Fort Hood in May, 2011 to conduct annual aerial gunnery qualification including a mixed fleet of AH-64 A/D
- ✓ Deployed to Fort Hood in November, 2012 in support of B/1-149th ARB deployment to OEF 13 (Afghanistan)
- ✓ Conducted aerial gunnery (Table VI, VII, VIII) qualification IAW FM 3-04.140 Helicopter Gunnery
- ✓ Conducted team tables with 147th ASOS (Texas Air National Guard) JTAC personnel

○ **Fort Hood Annual Training (2013, 2014, 2015)**

- ✓ Deployed to Fort Hood in support of 36th Infantry Division (National Guard)
- ✓ Conducted Call-for-Fire, Close Combat Attack, Close Air Support/Joint Air Attack Team training
- ✓ Conducted Air Assault security operations with Royal Singapore Air Force CH-47 aircrews and aircraft
- ✓ Conducted Air Assault security operations with Texas ARNG UH-60 aircrews and aircraft
- ✓ Conducted medical 9-Line and Casualty Evacuation operations with UH-60 MEDEVAC teams





National Guard ARB Relevancy

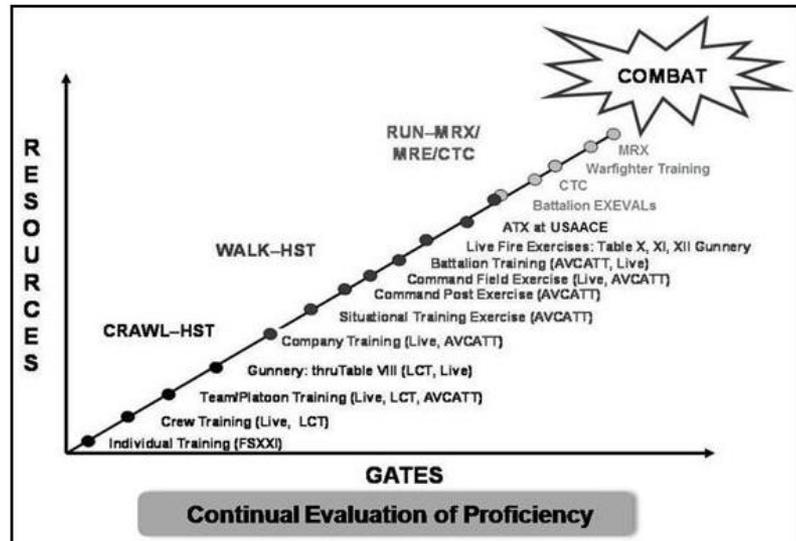


How We Train...

Readiness Level Progression

1-149TH ARB has a Program of Instruction that progresses an incoming Aviator from RL-3 to RL-1 in 14 days.

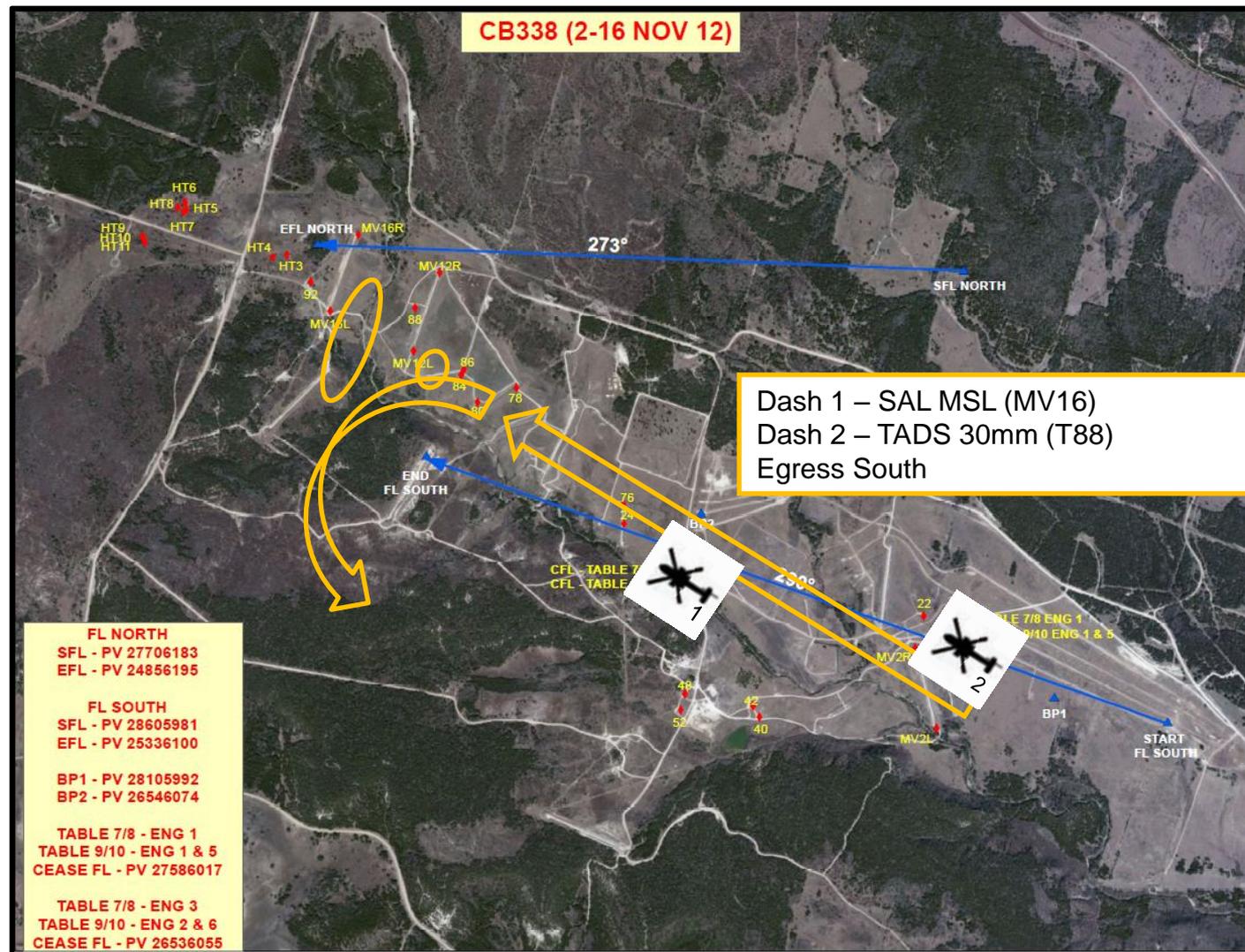
Training Day	LCT	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Flight Time	6.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Type Time	2.0H 2.0D 2.0NS	2D	2D	2D	2D	0.5D 1.5H	1D 1N	1N 1NS	2NS	2NS	2NS	2NS	1D 1NS	2D	2NS
Cumulative Time	*	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0	20.0	22.0	24.0	26.0	28.0





1-149th ARB Sample Gunnery Engagement

IAW FM.3.04.140.C1.Helicopter.Gunnery



FL NORTH
 SFL - PV 27706183
 EFL - PV 24856195

FL SOUTH
 SFL - PV 28605981
 EFL - PV 25336100

BP1 - PV 28105992
BP2 - PV 26546074

TABLE 7/8 - ENG 1
TABLE 9/10 - ENG 1 & 5
CEASE FL - PV 27586017

TABLE 7/8 - ENG 3
TABLE 9/10 - ENG 2 & 6
CEASE FL - PV 26536055

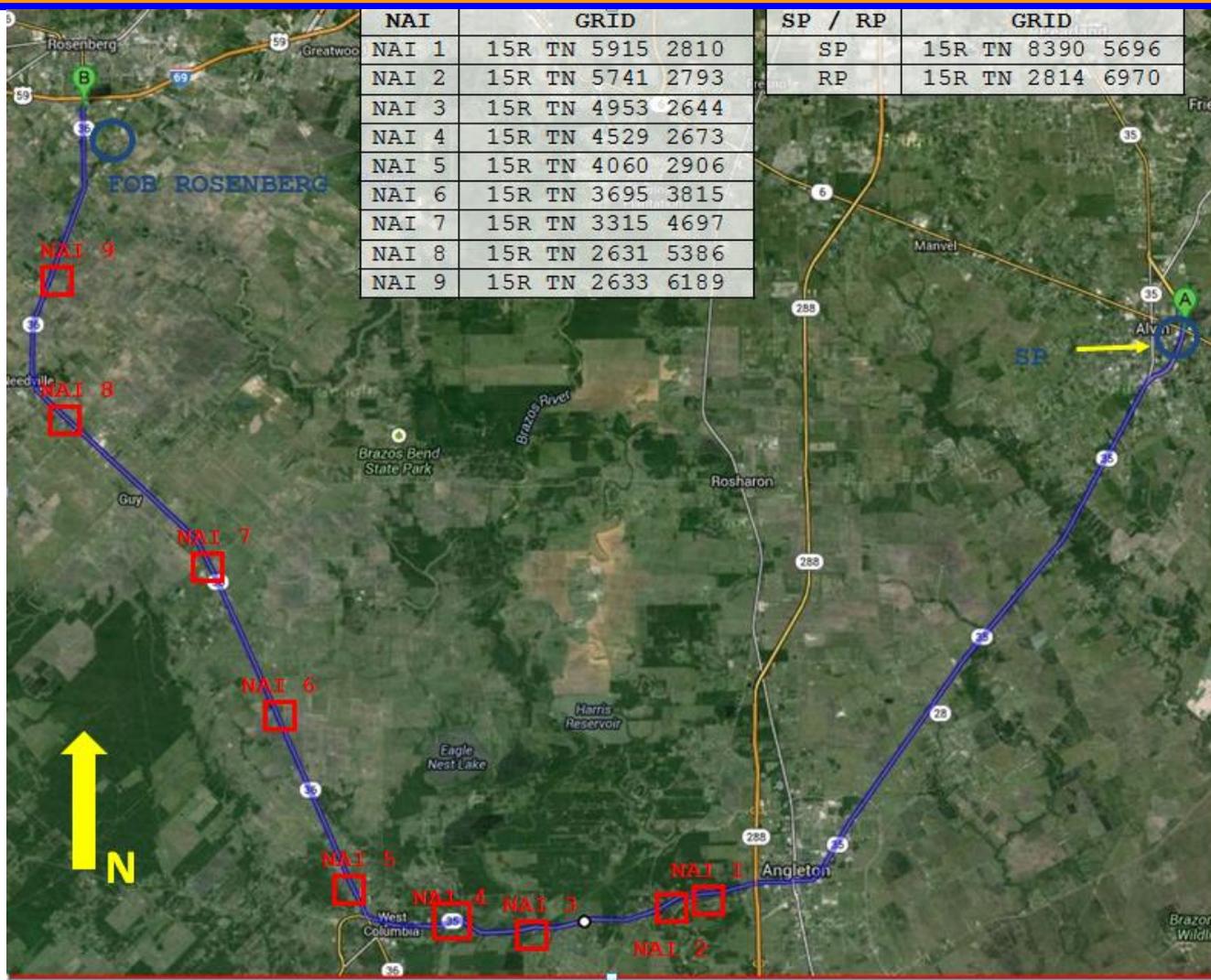
LINE	Type 2
	3-4
1	IP2
2	302°
3	3,100m
4	858'
5	T72 Moving South, Gun Truck Stationary
6	T03, T04
7	None
8	300m South
9	Egress South and Hold East
Remarks	Dash 1/T-72, SAL MSL
	Dash2/PLT TADS 30mm
	Call IP Inbound, Tally TGT
Restrictions	Dash 2 will not fire until Dash 1 clear to South





1-149th ARB Sample STX Mission

IAW FM.3.04.140.C1.Helicopter.Gunnery



176EN RCP Convoy Security

Enemy Situation:
Route Mustang is becoming increasingly hazardous to travel for US and Coalition Forces. Convoys traveling along the route have been subjected to IED attacks and small arms fire. S-2 is reporting that the village of Angleton is becoming a hotbed of activity for Taliban forces and is maintaining ISR assets over the village for surveillance.

Friendly Situation:
176EN are being tasked to perform route clearance operations along Route Mustang.

Mission:
TF Renegade is being requested to provide convoy security for 176EN along Route Mustang in order to deter SAFIRE as they perform IED clearing operations.

Key Tasks:
The primary task of the AWT is to provide security for 176EN as they perform clearing operations of any IEDs that may be placed along Route Mustang.

Purpose:
Provide protection against SAFIRE directed against 176EN along Route Mustang while they perform route clearance of IED emplacements.

Mission Window:
1600L - 1800L

Critical Window:
SP+30 - RP

CALLSIGN	Unit	Frequency	URN
BLACK TOWER 11	176EN	41.00 SC/PT	00511245
STALLION X-RAY	112CAV/72IBCT	42.00 SC/PT	00671574
STALLION 06	112CAV/72IBCT	42.00 SC/PT	00671574

Role
GFC
BSO
Clearance of Fires **





1-149th ARB Sample STX Mission

IAW FM.3.04.140.C1.Helicopter.Gunnery



IRON ARROW



As of: JUN2015

TF MUSTANG

"Operation Iron Arrow"

AO BLOOD 14R PU 65780 46207

ENEMY COMPOSITION, DISPOSITION and Strength:

-1 x Enemy Light Infantry Platoon
-Possible HVT Location

ENEMY COURSE of ACTION:

MDCOA - Enemy forces have fortified their position within AO Blood with MANPADS, HMDs and small arms and will attack aircraft as a target of opportunity.

FRIENDLY

1-149th IN (ASN)
SCT PLT - Observe Sparrow
BN Mortars - Provide Indirect Fire Support
Dagger CD - Provide Support By Fire For Assault Force
Assault Force - Attack and Clear OBJ Sparrow

MISSION

1-149th ARB (-) Conducts Aerial Security of LZ Ray and LZ Shark for 1-149th OSAB Air Assault mission into AO Blood. In addition, 1-149th ARB will BPT conduct Offensive Operations (Close Combat Attack) ISO 149th IN on OBJ Hawk and OBJ Tropic.

INTENT

Provide early warning to ISO 149th IN Attack on OBJ Sparrow

Purpose

Continue to train the members of the 1-149th ARB.

Key Tasks

- T1: Provide early warning for Assault
- T2: O/O Conduct Offensive Operations
- T3: Provide armed escort after call
- T4: Posture for follow on operations

ENDSTATE

Ensure OPC freedom of maneuver throughout AO Blood

SCHEME OF MANEUVER

ATK
Depart ABIA direct to AO Blood
Orbitation 2-3k left orbit free cruise 1k separation

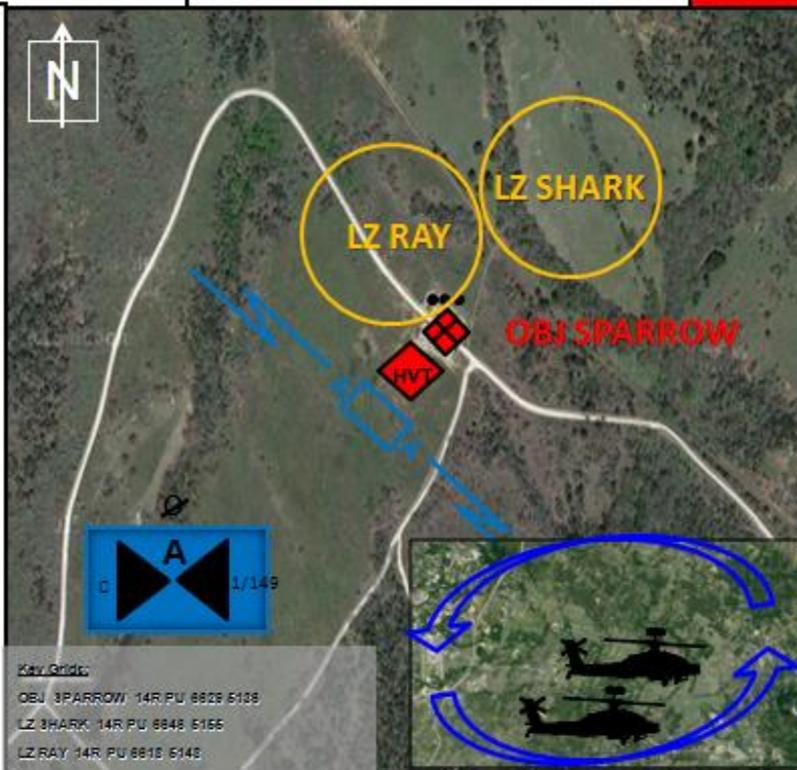
OPC

149 assaults into LZ Ray and LZ Shark
D/149 provides support by fire NO of OBJ
A/149 clears through OBJ Sparrow NW to SE

FIRE SUPPORT

BN Mortars - 14R PU 66912 49872

MANDATORY CHECKPOINTS
Garfield - 14R PU 37973 40568



Key Grids:

- OBJ SPARROW 14R PU 6629 6108
- LZ SHARK 14R PU 6648 6155
- LZ RAY 14R PU 6618 6148

BASE #: 5
BASE ALT: 500
RAMROD: 0 1 2 3 4 5 6 7 8 9

ISR/PIR

- PID of enemy HPT/HVT
- Report the presence of enemy groups greater than 3 personnel IVO LZ/PZ
- Identification of Air Defense Weapons
- Identification of enemy indirect fire systems
- Observed emplacement, fabrication or transportation of IED material
- Identification of weapons, ammo, or supply caches
- Identification of road blocks

Brief Date:

9 Jul 2015

Date of Execution:

10 Jul 2015

BPA

Break Contact and move to cover
Contact IPRC
Evoke and avoid detection
Attempt UDS Comms with A/C

Signaling Procedure

Primary - VSI7
Alternate - Mimer

Authentication

IAW ISOPREP and SPINS

Time Line:

- H - 25 - AWT Depart ABIA
- H - 10 - Cherry / Ice Call
- H Hour - BPT conduct Offensive OPS
- Event Driven - Ensure PZ Clean
- Event Driven - RTB

MUSTANG 6
MUSTANG TAC

Signal:

Fires/CALLSIGN **FREQ**

GFC/CALLSIGN **FREQ (P)**

Air-to-Air **242.4 (A)**

Attack **41.00 (C)**

Dustoff **FREQ**

Shadow **UR datalink**





1-149th ARB Sample STX Mission

IAW FM.3.04.140.C1.Helicopter.Gunnery



PHASE 3A

As of: Jan2012

TF SLAYER

"Operation AggieLand"

OBJ AREA 14R QU 45108 79724

ENEMY COMPOSITION, DISPOSITION and STRENGTH:
Company size element with HMG, small arms, RPGs, and possible MANPADS.

ENEMY COURSES of ACTION:
Engage utilizing IED Ambush then follow on with infantry assault

FRIENDLY
TM 2, C/5/19

MISSION
TM 2, C/5/19 conducts Vehicle insertion followed by foot infiltration into Enemy Training Area

INTENT
Report ISR tasks IOT confirm presence of enemy forces.

Purpose
Provide HUMINT within AO HAMMER

Key Tasks
T1: Insert undetected
T2: Cache vehicles and unwanted equipment
T3: Movement to ORP
T4: Infiltrate to OP
T5: Establish Observation Position
T6: Report
T7: Provide Target Acquisition

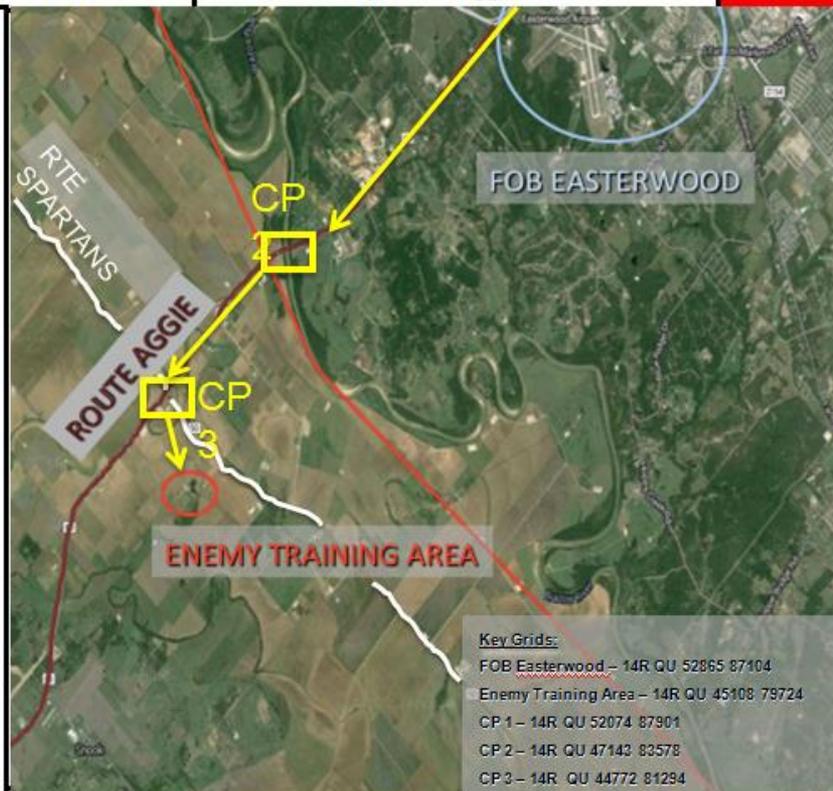
ENDSTATE:
TM 2 Executes Mission undetected

ORDER OF MOVEMENT:
Per Team SOP

SCHEME OF MANEUVER
Admin mvmt from FOB Easterwood, once tactical TM will execute utilizing SOPs

FIRE SUPPORT
-155mm/ 14R QU 52442 87586 97m "Redleg"
-AH-64 on station 1200-1300L
-Additional CAS/CCA on request

MANDATORY CHECKPOINTS
CP1-14R QU 52074 87901
CP2-14R QU 47143 83578
CP3-14R QU 44772 81294



Brief Date:

3 Feb 2014

Date of Execution:

7 Feb 2014

MEDEVAC

HLZ - Hasty LZs expected, Have aircraft call color of smoke prior to clearing in. State cherry/ice upon initial comms

Service Support

Medics(2x)
Water
MRE
Binos
PVS-14
VS17
PAS-13 and Day sights
IR Chem. lights
IR strobe light
2x Civilian Vehicles
IZLID/PLRF/DAGR

TimeLine:

0800 - Depart FOB Easterwood

1100 - Eyes on OBJ

Command:

IRON MAIDEN 6
ANTIDOTE 12

Signal:

Iron Maiden	5.8975
Fires/Redleg	32.35 (A)
War hawk	9.555
Strike net	225.5 (P)
Smoke wagon	Fires or Strike
Antidote 12	32.35
Dustoff	36.825
Jolly Green / King	JARN/AWACS

BASE #: 3

BASE ALT: 10,000

RAMROD: 0 1 2 3 4 5 6 7 8 9

ISR/PIR

-PID of Enemy HPT/HVT
-Report the presence of enemy groups greater than 3 personnel
-Identification of Air Defense Weapons
-Identification of enemy indirect fire systems
-Observed emplacement, fabrication or transportation of IED material
-Identification of weapons, ammo, or supply caches
-Identification of road blocks





National Guard ARB Relevancy

How We Maintain...



1-149TH ARB and the HAASF maintain 16 AH-64s at Ellington Field, Houston and A Co. maintains an additional 8 AH-64s at Tupelo, MS.

Major Inspection Timelines:

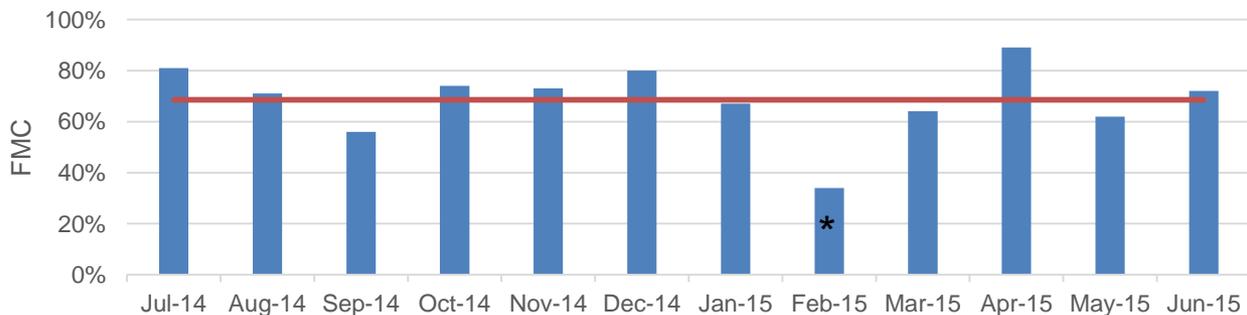
125-hour takes ~3 days

250 hour takes ~14 days

500 hour takes ~60 days



Operational Readiness (Last 12 Months)



* Aircraft Survivability Equipment fielding (February, 2015)





1-149th ARB Deployment Summary



Where We Have Been (2002-2014)...

- SFOR-13: Tuzla, Bosnia (February 2003 – September 2003)
- SFOR-14: Tuzla, Bosnia (September 2003 – April 2004)
- OIF 06-08: Balad, Iraq (August 2006 - July 2007)
- OEF 13: Tarin Kowt, Afghanistan (March 2013 - November 2013)





1-149th ARB Discussion



- 1-149th ARB Conducts training above the platoon level
- 1-149th ARB can deploy within a 30-40 day post mobilization model
- 1-149th ARB is ready, willing and able to deploy

National Guard ARBs are the combat reserve of the Army

If National Guard ARBs are divested, it will effectively destroy the best team that the world has ever seen... The Active Component and the National Guard!

