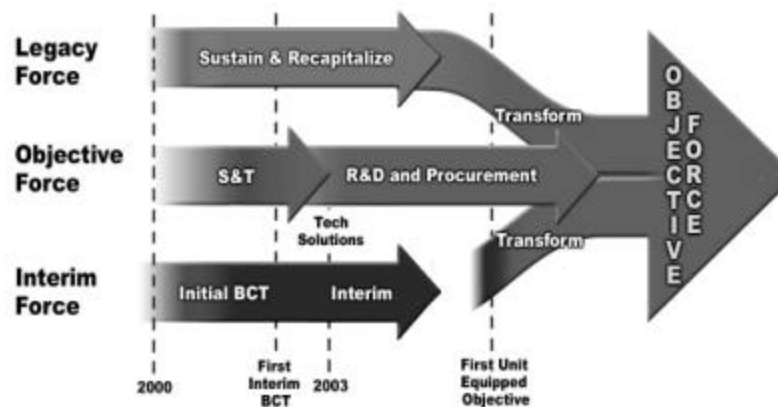


Armament for the Army in Transition The Interim Brigade Combat Team (IBCT)

*Presented to:
NDIA Firepower
Conference*



Briefer: Mr. Ty Cobb

*Advanced Systems Concepts Office
TACOM – ARDEC, Picatinny Arsenal, NJ*

20 Jun 01

Report Documentation Page

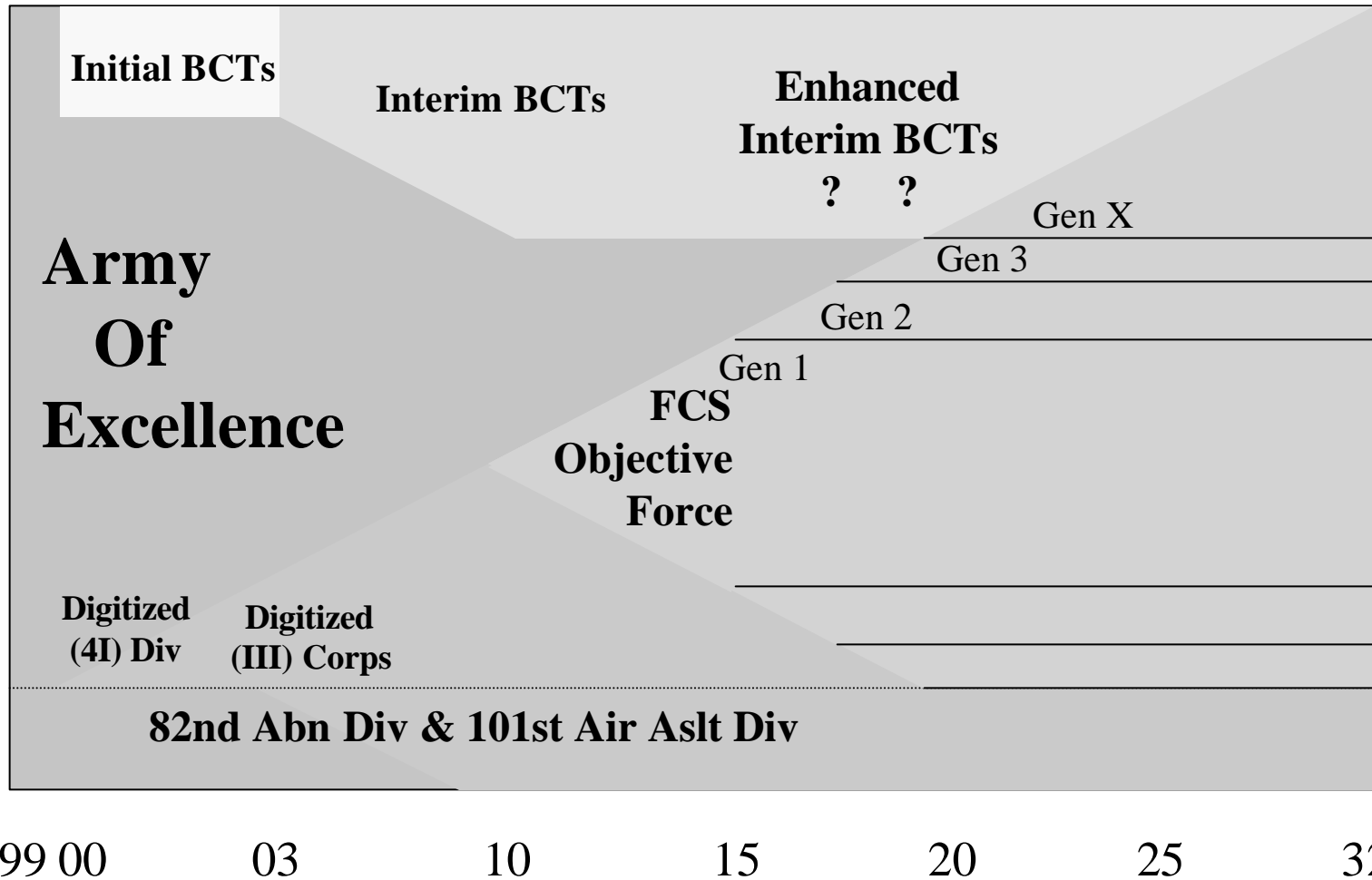
Report Date 20JUN2001	Report Type N/A	Dates Covered (from... to) -
Title and Subtitle Armament for the Army in Transition The Interim Brigade Combat Team (IBCT)	Contract Number	
	Grant Number	
	Program Element Number	
Author(s) Cobb, Ty	Project Number	
	Task Number	
	Work Unit Number	
Performing Organization Name(s) and Address(es) Advanced Systems Concepts Office TACOM ARDEC Picatinny Arsenal, NJ	Performing Organization Report Number	
Sponsoring/Monitoring Agency Name(s) and Address(es) NDIA (National Defense Industrial Association 2111 Wilson Blvd., Ste. 400 Arlington, VA 22201-3061	Sponsor/Monitor's Acronym(s)	
	Sponsor/Monitor's Report Number(s)	
Distribution/Availability Statement Approved for public release, distribution unlimited		
Supplementary Notes Proceedings from Armaments for the Army Transformation Conference, 18-20 June 2001 sponsored by NDIA		
Abstract		
Subject Terms		
Report Classification unclassified	Classification of this page unclassified	
Classification of Abstract unclassified	Limitation of Abstract UU	
Number of Pages 12		



Brigade Combat Team

The US Army in Transformation

30 - 35 Active Combat
Brigades



For pictorial purposes only

Timeline not to scale

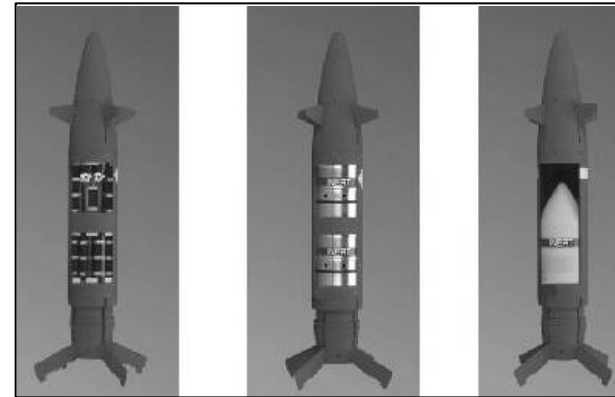


Brigade Combat Team

Capability Enhancements



XM 777 Light Weight 155mm Howitzer



XM 982 155mm Artillery Cargo Round



SADARM

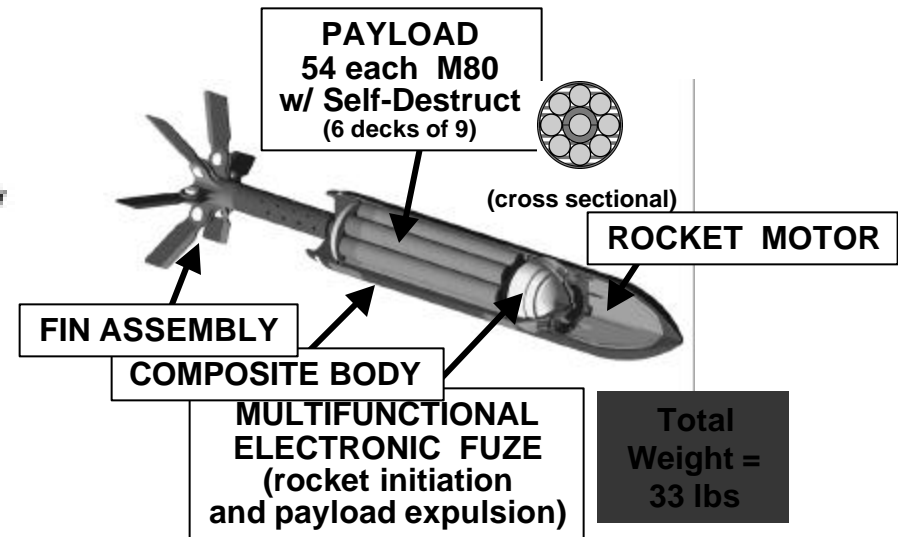


Brigade Combat Team

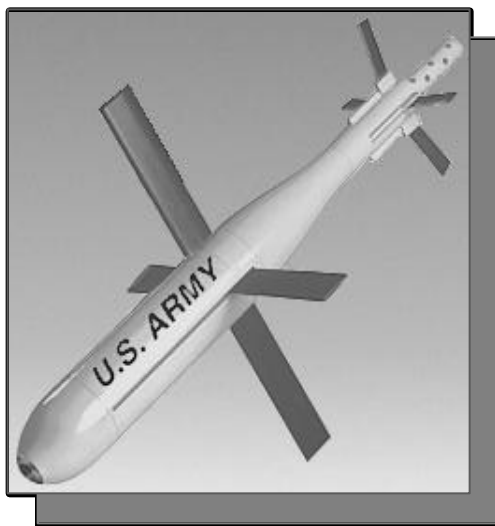
Capability Enhancements



Mortar Fire Control System (MFCS)



DPICM 120mm ER Mortar Cartridge (XM984)



PGMM



Brigade Combat Team

Capability Enhancements



Objective Crew Served Weapon (OCSW)



**Objective Individual Combat Weapon
(OICW)**



Common Remotely Operated Weapons System (CROWS)



TACOM-ARDEC IBCT Capability Enhancements West Point War-Fighters' Worksheet



Rank	Weapon/Item	Comments
	Adv Optical Mortar Sights	
	AP Obstacle Breaching Sys	
	Auto Reg 1-D f/ 155mm Proj	
	Boom Gun	
	Canister Rd (AP), 90-105mm	
	CROWS	
	Demo Kit f/ Engineers	
	Enhanced Delivery Sys – Air	
	Excalibur Proj, 155mm	
	Explosive Standoff Mine Clearer	
	ER DPICM Mortar Rd, 120mm	
	HEP Rd, 90-105mm	
	JLW 155mm Howitzer, Towed	
	Mobile Counter Sniper Sys	
	Mortar Fire Control Sys	
	Non-Lethal Acoustic Sys	
	OCSW	
	OICW	
	PLS “SHOE”	
	PGMM, 120mm	
	PI-SADARM, 155mm	
	PI-WAM	
	QR-LAW	
	Roller Platform f/Air Deploy	
	SADARM Mortar Rd, 120mm	
	Urban Target Rd f/ TOW	
	Volcano Light	



West Point Warfighters' Experience Statistics

Rank / Branch	MAJ/AR	E-7/IN	E-8/IN	MAJ/IN	E-7/IN	CPT/EN	MAJ/FA	CPT/MP	CPT/SC	CPT/IN
Years in Branch	8	17	15	6	11	10	9	11	5	8
Desert Storm vet	Y	N	N	N	N	Y	Y	Y	N	N
Peace Keeping Vet / Mo	N	N	N	Y / 9	Y / 10	N	N	Y / 11	Y / 5	N



Grunt with Helmet Over Black Beret



Committed to Excellence



<u>Weapon / Item</u>	<u>Ty</u>	<u>MAJ Morin</u>	<u>Dave</u>	<u>Median</u>	<u>Top 3</u>	<u>Pair-Wise</u>
Auto Reg 1-D f/155mm Proj	9	9	14	23	25	23
Excaliber Proj, 155mm	14	7	13	14	11	14
ER DPICM Mortar Rd, 120mm	19	8	4	9	10	9
JLW 155mm Howitzer, Towed	4	6	2	4	17	4
PGMM, 120mm	5	2	15	19	14	20
PI-SADARM, 155mm	8	11	5	12	13	12
PI-WAM	24	10	9	17	18	18
SADARM Mortar Rd, 120mm	23	23	24	21	15	17
Adv Optical Mortar Sights	27	27	27	11	20	11
AP Obstacle Breaching Sys	17	14	26	18	23	19
Boom Gun	16	24	25	24	26	24
Canister Rd (AP), 90-105mm	12	13	7	15	6	15
CROWS	1	5	6	3	2	3
Demo Kit f/Engineers	26	26	22	13	22	13
Roller Platform f/Air Deploy	22	25	20	16	4	16
PLS "SHOE"	10	20	21	27	12	27
Enhanced Delivery Sys - Air	18	12	19	6	5	6
Explosive Standoff Mine Clearer	15	15	18	10	21	10
HEP Rd, 90-105mm	2	22	8	20	24	21
Mobile Counter Fire System	7	16	16	5	3	5
Mortar Fire Control System	6	4	3	1	7	2
Non-Lethal Acoustic System	13	17	17	26	19	26
Obj Crew Served Weapon	3	1	1	2	1	1
Obj Individual Combat Weapon	20	3	11	7	8	7
QR-LAW	21	19	10	8	9	8
Urban Target Rd f/ TOW	11	18	12	22	16	22
Volcano Light	25	21	23	25	27	25



TACOM-ARDEC

IBCT Capability Enhancements

Rank	Weapon/Item	Comments
11	Adv Optical Mortar Sights	Common mortar sight is part of IBCT Brigade Sets
19	AP Obstacle Breaching Sys	Army add on to USMC prod; Mat Rel in 2QFY02
23	Auto Reg 1-D f/155mm Proj	
24	Boom Gun	
15	Canister Rd (AP), 90-105mm	Initial approval granted
3	Com Remote Op Wpn Sys	A system being integrated into IBCT IAVs
13	Demo Kit f/Engineers	
6	Enhanced Delivery Sys -- Air	High on DA DCSLOG Cbt Svc Spt Enablers List
14	Excaliber Proj, 155mm	Funded Sys Dev & Demo (PM-ARMS)
10	Expl Standoff Mine Clearer	
9	ER DPICM Mort Rd, 120mm	Funded Concept & Tech Dev (ARDEC)
21	HEP Rd, 90-105mm	PM-TMAS evaluating; perhaps a future program
4	Jt LW 155mm How, Towed	Funded Sys Dev & Demo (PM-JLW); will replace IBCT M198s
5	Mobile Counter Fire Sys	

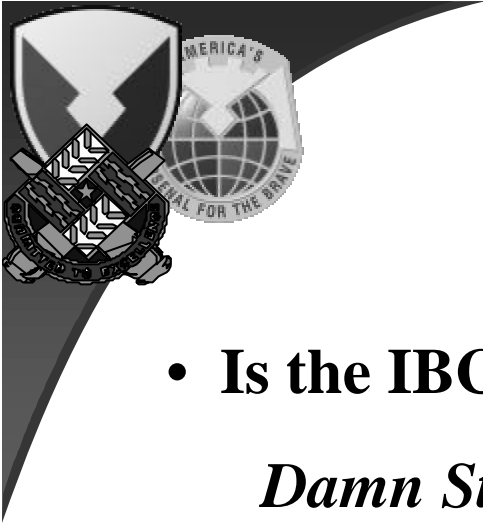


TACOM-ARDEC

IBCT Capability Enhancements

(continued)

Rank	Weapon/Item	Comments
2	Mortar Fire Control Sys	Funded Sys Dev & Demo (PM-MORT)
26	Non-Lethal Acoustic Sys	
1	Obj C-S Weapon, 25mm	Funded Concept & Tech Dev (JSSAP)
7	Obj Individ Cbt Wpn	Funded Pgm Def & Rsk Reduce (PM-SA)
27	Palletized Load Sys "SHOE"	"Slipper" accepted; Production shortly (PM-HTV)
20	Prec Guided Mort Mun, 120mm	FY01 Congress \$6M +up to Cncpt/Tech Dev (ARDEC)
12	PI-SADARM, 155mm	
18	PI-WAM (Adv Hornet)	Funded Sys Dev & Demo (PM-MCD)
8	QR-LAW (MP whd f/AT4)	Funded PI program; to Production in FY04
16	Roller Platform f/Air Deploy	To be fielded within a year
17	SADARM Mortar Rd, 120mm	
22	Urban Target Rd f/TOW	Approved AMCOM program awaiting \$s
25	Volcano Light	Most likely will be fielded to IBCTs



IBCT Armaments Summary

- **Is the IBCT Going to be Lethal?**

Damn Straight !

- **Can IBCT Lethality be Enhanced in Short/Long Terms?**

Damn Straight !

- **Can TEAM Picatinny Provide that Enhanced Lethality?**

Damn Straight !

- **But, ... Not So Fast...**

Think: Warfighters' Needs; Affordability; Logistics Impact; and "Not-So-Lethal" Stuff