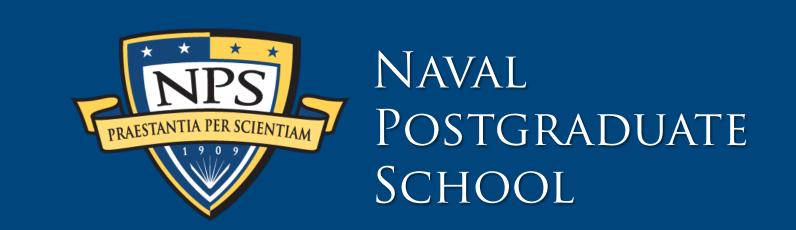
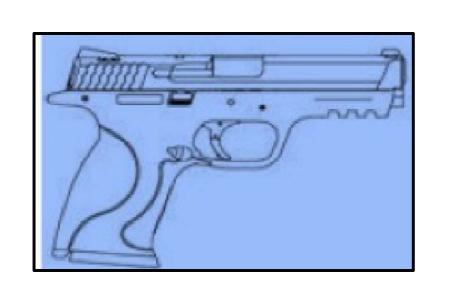
Interim Review of the MHS Acquisition Strategy



Abstract

The purpose of this project is to provide an analysis of the current acquisition strategy in procurement of the Army's Modular Handgun System (MHS) program. This project identifies three alternate courses of action and evaluates them against the current strategy using cost, schedule, and performance parameters. The project provides an assessment of each of the four strategies against the criteria outlined in the MHS Capabilities Production Document and makes a recommendation on the best path forward for the Army's handgun replacement program with regards to cost, schedule, and performance considerations .









Possible COAs: MHS, M9, M9A3, GLOCK 19

Performance Decision Matrix	
Criteria	COA
Lethality - Baseline: wound channel	
greater than current M882	
Accuracy - Baseline: 35m 4"CEP at	
90%	
Ergonomics - Baseline: adjustable	
handgrip; ambidextrous	
Reliability - Baseline: 2000 rd	
MRBS, 5000rd MRBF, service life of	
25K rds	
Target Acquisition - Baseline:	
integrated rail	
Modularity - Baseline: package of	
current strategy	
Total Score	
Scoring Criteria	
Exceeds Threshold Requirements	3
Meets Threshold Requirements	2
Does Not Meet Threshold	1
Requirements	1

Cost Decision N	Iatrix
Criteria	COA
RDT&E	\$0.00
Procurement	\$0.00
O & M	\$0.00
MILCON	\$0.00
MILPERS	\$0.00
Life Cycle Cost	\$0.00

Criteria	COA
Initial Operating Capability	
February 2017	
Scoring Criteria	
Past IOC	>
Meets IOC	=
Prior IOC	<

Method

This project utilized aspects of the Military Decision Making Process and Functional Solution Analysis as the foundation for the methodology. Different courses of action (COA) were identified along with selection criteria. First each COA was evaluated using only one of the selection criteria rather than the collective. The result was the determination of which COA was best when considering only cost, only schedule or only performance. Finally, the team used these results to conduct a comparative analysis of all COAs with all selection criteria.

Recommendations

- 1. The U.S Army should stop procuring the M9 pistol under the current contract and abandon the MHS program immediately.
- 2. A sole source acquisition for the GLOCK 19 pistol should be pursued to meet the requirements of a modular handgun for conventional Army forces.
- 3. Adoption of JHP 9mm ammunition should be implemented to increase the lethality concerns outlined in the MHS CPD.
- 4. Utilization of the currently fielded and stocked M882 9mm ammunition should be employed in training environment for newly fielded GLOCK 19 pistols and fired until the stockpile is depleted, then replaced with JHP 9mm ammunition.

					Co	st Deci	sion Matri	X						Schedule Decision Matrix										'			
							Courses	of Act	ion				/			Courses of Action											
Criteria	Rate	MHS		M9		M9		Product Improvement M9A3		GLOCK 19		K 19	Criteria	Rate	Cu	Current Strategy MHS			Status Quo M9			Product Improvement M9A3			GLOCK		
		Score	Weight	Weighted Score	Score	Weight	Weighted Score	Score	Weight	Weighted Score	Score	Weigh	Weighted Score			Score	Weight	Weighted Score	Score	Weight	Weighted Score	Score	Weight	Weighted Score	Score	Weight	Weight Score
Life Cycle Cost	3	1	0.50	0.50	2	0.50	1.00	3	0.50	1.50	4	0.50	2.00	Life Cycle Cost	1	1	0.17	0.17	2	0.17	0.33	3	0.17	0.50	4	0.17	0.67
Schedule	2	1	0.33	0.33	4	0.33	1.33	3	0.33	1.00	2	0.33	0.67	Schedule	3	1	0.50	0.50	4	0.50	2.00	3	0.50	1.50	2	0.50	1.00
Performance	1	4	0.17	0.67	1	0.17	0.17	2.5	0.17	0.42	2.5	0.17	0.42	Performance	2	4	0.33	1.33	1	0.33	0.33	2.5	0.33	0.83	2.5	0.33	0.83
Totals				1.50			2.50			2.92			3.08	Totals				2.00			2.67			2.83			2.50
Ranking	J .			4			3			2			1	Ranking	, ,			4			2			1			3
					Co	st Deci	sion Matri	X											Scho	edule Do	ecision Ma	trix					
							Courses	of Act	ion				/								Courses	of Act	tion				
Criteria	Rate	Cı	urrent S MH	S		Status M9)	Prod	M9A	rovement 3		COT CLOC	K 19	Criteria	Rate	Cı	irrent S MH3	•		Status M9	-	Prod	uct Imp M9A	rovement 3		COT GLOCI	
		Score	Weight	Weighted Score	Score	Weight	Weighted Score	Score	Weight	Weighted Score	Score	Weigh	Weighted Score			Score	Weight	Weighted Score	Score	Weight	Weighted Score	Score	Weight	Weighted Score	Score	Weight	Weight Scor
Life Cycle Cost	3	1	0.50	0.50	2	0.50	1.00	3	0.50	1.50	4	0.50	2.00	Life Cycle Cost	2	1	0.33	0.33	2	0.33	0.67	3	0.33	1.00	4	0.33	1.33
Schedule	1	1	0.17	0.17	4	0.17	0.67	3	0.17	0.50	2	0.17	0.33	Schedule	3	1	0.50	0.50	4	0.50	2.00	3	0.50	1.50	2	0.50	1.00
Performance	2	4	0.33	1.33	1	0.33	0.33	2.5	0.33	0.83	2.5	0.33	0.83	Performance	1	4	0.17	0.67	1	0.17	0.17	2.5	0.17	0.42	2.5	0.17	0.42
Totals				2.00			2.00			2.83			3.17	Totals				1.50			2.83			2.92			2.75
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Ranking

					CITOI		Decision M	IUVI IA							
		Courses of Action													
Criteria	Rate	Cu	rrent S MH	•		Status M9			M9A		GLOCK 19				
		Score	Weight	Weighted Score	Score	Weight	Weighted Score	Score	Weight	Weighted Score	Score	Weight	Weight Scor		
Life Cycle Cost	1	1	0.17	0.17	2	0.17	0.33	3	0.17	0.50	4	0.17	0.6		
Schedule 2		2 1		0.33	4	0.33	1.33	3	0.33	1.00	2	0.33	0.6		
Performance	3	4	0.50	2.00	1	0.50	0.50	2.5	0.50	1.25	2.5	0.50	1.2		
Totals				2.50			2.17			2.75			2.5		
Ranking	Į			3			4			1			2		
					Perfor	mance l	Decision M	latrix							
]	Perfor	mance l	Decision M Courses		ion						
Criteria	Rate	Cu	rrent S MH3	trategy		mance l Status M9	Courses Quo	of Act	uct Imp M9A			COT GLOCI	X 19		
Criteria			MH	trategy S		Status M9	Courses Quo	of Act	uct Imp M9A	.3		GLOCI	X 19 Weigh		
Life Cycle			MH	trategy S Weighted		Status M9	Courses Quo Weighted	of Act	uct Imp M9A	.3 Weighted		GLOCI	X 19 Weigh Scor		
Life Cycle Cost		Score	MH3 Weight	trategy S Weighted Score	Score	Status M9 Weight	Courses Quo Weighted Score 0.67	of Act Prod	uct Imp M9A Weight	3 Weighted Score	Score	GLOCI Weight	X 19 Weigh Scor		
Life Cycle Cost Schedule	2	Score 1	MH3 Weight	trategy S Weighted Score 0.33	Score 2	Status M9 Weight 0.33	Courses Quo Weighted Score 0.67	of Act Prod	uct Imp M9A Weight	Weighted Score 1.00	Score 4	Weight 0.33 0.17	X 19 Weigh Scor 1.3 0.3		
Criteria Life Cycle Cost Schedule Performance Totals	2	Score 1	MH: Weight 0.33 0.17	trategy S Weighted Score 0.33	Score 2 4	Status M9 Weight 0.33 0.17	Courses Quo Weighted Score 0.67	of Act Prod Score 3	weight 0.33 0.17	Weighted Score 1.00 0.50	Score 4 2	Weight 0.33 0.17	X 19		

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Ranking