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6. AUTHOR(S)
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7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)
CLogic Defense
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8. PERFORMING ORGANIZATION REPORT NUMBER
DOTC-15-01-INIT005F

9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)
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Building 3150
Picatinny Arsenal, NJ 07806

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14. ABSTRACT
Final Report for DOTC-15-01-INIT005 Development and Prototype Hardware Fabrication for Vehicular Survivability Systems

15. SUBJECT TERMS
Vehicular Survivability

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UU	UU	UU	UU	7	Diana-Lynn Herbst
					19b. TELEPHONE NUMBER *(Include area code)*: 973-934-5223

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Final Technical Status Report

For

DOTC-15-01-INIT005

Development and Prototype Hardware Fabrication for Vehicular Survivability Systems

Reporting Period: 16 April 18

Ordnance Technology Initiative Team

CLogic Defense - Lead

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1. Comments on Technical/Cost/Schedule Performance

Work is completed to the level of received funds

2. Initiative Quad Chart

Goals & Objectives	Initiative Information
Develop and fabricate next generation Objective Gunner Protection Kit (OGPK) turret prototype hardware for weapon mounts, Gunner protection systems, exposed crew protective kits and turret components.	**Initiative Lead**: CLogic LLC **Team Members**: Metalcrafters Inc. **Period of Performance**: 36 months **Funding**: **$16,665,959.00** **Schedule:** 02/18
Milestones & Technical Achievements	**Implementation & Payoff**
See Section 3.1	**Schedule**: 12/17/2017 **Status**: 100% complete Prototype flexible integration kits for the Bradley Fighting Vehicle (BFV), the M7 Bradley Fire Support Team Vehicle with A3 standards (A3 BFIST) and the Bradley Fire Support Sensor System (FS3) to upgrade fire control capabilities, increased situational awareness, improved sustainability and improved long-range target acquisition. The new weapon mounts and turret components for these platforms will enhance the lethality and effectiveness of the crew while addressing ergonomic, physiologic and safety enhancements. The new advanced prototypes will enhance indirect fire operations to upgrade target location and designation capabilities while maintaining advanced lethality, command and control, survivability, sustainability, and mobility and provide precision targeting and designation missions from under armor with significantly increased observation range. Common hull prototypes will allow for engineering changes and the installation of new equipment in operational contexts with less complexity and a reduced cost
Current Status: Technical = Green Schedule = Green Cost = Green	

3. Supplemental Information

In order to improve the usefulness of the quad charts and provide DOTC with sufficient initiative information, the Quarterly Report must be supplemented with data described below.

3.1 Technical Achievements

Milestone Status:

MS			Task Description	% Complete
1	Task 1	A	Component Process Development	100%
2	Task 1	B	Component Process Development	100%
3	Task 1	C	Component Process Development	100%
4	Task 2	A	Modeling and Testing	100%
5	Task 1	D	Component Process Development	100%
6	Task 2	B	Modeling and Testing	100%
7	Task 1	E	Component Process Development	100%
8	Task 2	C	Modeling and Testing	100%
9	Task 3	A	Component Fab	100%
10			Quarterly Technical and Business Status Reports	100%
11	Task 1	F	Component Process Development	100%
12	Task 2	D	Modeling and Testing	100%
13	Task 3	B	Component Fab	100%
14	Task 2	E	Modeling and Testing	100%
15	Task 3	C	Component Fab	100%
16	Task 4	A	Fab Prototype Dev Units	100%
17	Task 4	B	Fab Prototype Dev Units	100%
18	Task 2	F	Modeling and Testing	100%
19	Task 3	D	Component Fab	100%
20			Quarterly Technical and Business Status Reports	100%
21	Task 4	C	Fab Prototype Dev Units	100%
22	Task 4	D	Fab Prototype Dev Units	100%
23	Task 3	E	Component Fab	100%
24	Task 4	E	Fab Prototype Dev Units	100%
25	Task 3	F	Component Fab	100%
26	Task 4	F	Fab Prototype Dev Units	100%
27			Quarterly Technical and Business Status Reports	100%
28	Task 5	A	Fab Integration Units	100%
29	Task 5	B	Fab Integration Units	100%
30	Task 5	C	Fab Integration Units	100%
31			Annual Technical and Quarterly Business Status Reports	100%

32	Task 5	D	Fab Integration Units		100%
33	Task 5	E	Fab Integration Units		100%
34	Task 5	F	Fab Integration Units		100%
35			Quarterly Technical and Business Status Reports		100%
36	Task 6	A	Fab Prototype Test Units		100%
37	Task 6	B	Fab Prototype Test Units		100%
38	Task 6	C	Fab Prototype Test Units		100%
39			Quarterly Business and Technical Status Reports		100%
40	Task 6	D	Fab Prototype Test Units		100%
41	Task 6	E	Fab Prototype Test Units		100%
42	Task 6	F	Fab Prototype Test Units		100%
43			Quarterly Business and Technical Status Reports		100%
44	Task 10	A	Systems Engineering		100%
45	Task 7	A	Performance Validation		100%
46	Task 10	B	Systems Engineering		100%
47	Task 7	B	Performance Validation		100%
48	Task 10	C	Systems Engineering		100%
49			Annual Technical and Quarterly Business Status Reports		100%
50	Task 7	C	Performance Validation		100%
51	Task 8	A	Vehicle Integration		100%
52	Task 10	D	Systems Engineering		100%
53	Task 7	D	Performance Validation		100%
54	Task 8	B	Vehicle Integration		100%
55	Task 10	G	Systems Engineering		100%
56	Task 10	F	Systems Engineering		100%
57			Quarterly Technical and Business Status Reports		100%
58	Task 7	E	Performance Validation		100%
59	Task 8	C	Vehicle Integration		100%
60	Task 9	A	Configuration Mgt Plan		100%
61	Task 11	A	Fab Report and Trans Plan		100%
62	Task 7	F	Performance Validation		unfunded
63	Task 8	D	Vehicle Integration		unfunded
64	Task 9	B	Configuration Mgt Plan		unfunded
65	Task 11	B	Fab Report and Trans Plan		100%
66	Task 8	G	Vehicle Integration		100%
67	Task 9	C	Configuration Mgt Plan		100%
68	Task 11	C	Fab Report and Trans Plan		100%
69	Task 8	F	Vehicle Integration		100%
70			Quarterly Technical and Business Status Reports		100%
71	Task 9	D	Configuration Mgt Plan		100%

72	Task 11	D	Fab Report and Trans Plan		100%
73	Task 6	G	Fab Prototype Test Units		100%
74	Task 9	F	Configuration Mgt Plan		100%
75	Task 11	E	Fab Report and Trans Plan		100%
76	Task 11	F	Fab Report and Trans Plan		unfunded
77			Quarterly Technical and Business Status Reports		100%
78			Final Technical and Business Status Report		100%

3.2 Technical Readiness Level Status

Initial Technology Readiness Level (at the start of the agreement)	Current Technology Readiness Level	Final Technology Readiness Level (expected at the end of the agreement)
5	6	7

3.3 Technology Transition Information

1. Technology or technologies being worked on: Prototype flexible integration kits for the Bradley Fighting Vehicle (BFV), the M7 Bradley Fire Support Team Vehicle with A3 standards (A3 BFIST) and the Bradley Fire Support Sensor System (FS3) to upgrade fire control capabilities, increased situational awareness, improved sustainability and improved long-range target acquisition.

2. Is this technology an extension of a previous DOTC agreement or contract: No

3. System to which technology can transition: Bradley Fighting Vehicle, Objective Gunner Protection Kit (OGPK)

4. Commercial applications if applicable: N/A

5. Government organizations or DoD Armed Force Services interested in technology other than AOR's organization: The technology being developed is used on Army and Marine Corps Tactical Vehicles and will transition to all DoD tactical vehicles.

6. DoD Armed force services or organizations that could benefit from technology (not mentioned above): not applicable. The organizations that have tactical vehicles are currently retrofitting those vehicles with this technology

7. Next step in technology transition process: Government will evaluate the licensing of this technology for potential Foreign Military Sales

3.4 Problems Encountered and Action Taken

- None

3.5 Non-Traditional Defense Contractor Participation

Name of Nontraditional*	Planned Start Date	Actual Start Date	Reason for Deviation from Plan
CLogic Defense	02/13/15	02/13/15	
Metalcrafters Inc	02/13/15	02/13/15	

3.6 Plans for Next Quarter: Deliver the following to the Government:

All funded work completed