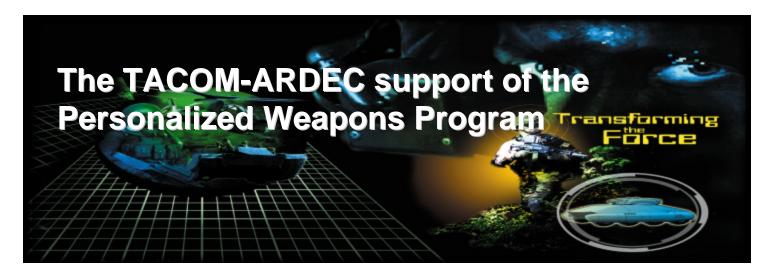


The Joint Service Small Arms Program (JSSAP)







Stephen C. Small, Ph. D.

Report Documentation Page								
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Background

•July 2000 – ARDEC Technical Director Signs

Memorandum Of Understanding With The

New Jersey Institute Of Technology (NJIT)







NJIT/ARDEC MOU Purpose:

- Collaboration in the research and development of smart gun technologies for military and civilian application
- Shared use of research and test facilities
- Joint pursuit of smart gun technology transfer between government, academic and private sector organizations

NJIT Project Plan

- •Phase 1 Literature Search
- •Phase 2 Tech Selection

and Evaluation



- Phase 3 Prototype Modeling/Fabrication
- •Phase 4 Prototype Simulation/Evaluation

The Stakeholders

- •Law Enforcement
- Civil Community
- •Military?







Working Definition of Personalized Weapon



•A firearm whose capability to be fired is biometrically, mechanically, or otherwise safely rendered "authorized" user(s)-only operational



Possible military offramps/on-ramps



- Anti-Theft/Tracing.
- Identification Friend or Foe







Conference Agenda

8:30 a.m. Wednesday 21 March

Phase 1 – Plenary Session



• NJIT Personalized Weapons Project Overview- Dr. Donald Sebastian







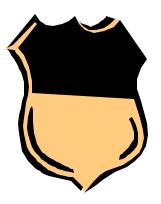
Conference Agenda



Wednesday 21 March

- NJIT Technology Investigations
- Dr. Dentcho Ivanov and Dr. Michael Reece
- National Institute of Justice (NIJ) Smart Gun
 Update Mr. Chris Miles
- <u>Defense Advanced Research Projects</u>
 <u>Agency (DARPA) Commentary</u> Dr. Ed
 Carapezza

For more information on the "Smart Gun" Solicitation, visit: (www.ncjrs.org)





Conference Agenda

Wednesday 21 March

Close Combat Armaments
 Center (CCAC) Recent
 Assessment – Mr. Lucian
 Sadowski



• FNH USA, Inc. – Mr. Louis Dillais



 Metal Storm CEO – Mr. Mike O'Dwyer

Personalized Weapons Technology Project															11/1	3/2000
															a LN	/IS Pro
Evaluation of Items																
				Evaluation Factors												
Name		2	3	4	5	6	7	8	9	10	11	12	13	14	15	AVE
Armadillo		2	5	3	3	4	4	0	5	1	5	1	1	9	0	3.2
MAGLOCK Push Button Trigger Lock		4	2	2	2	4	4	0	5	1	5	1	1	8	0	2.9
MAGLOCK Ring Activated Gun Lock		1	1	1	3	4	1	0	1	4	2	1	1	7	0	1.9
Master 90 Gun Lock		4	3	3	3	4	4	0	5	1	5	1	1	8	0	3.1
Mossberg Instant Access Gun Safe		4	5	5	4	5	3	4	5	3	5	1	1	9	1	4.0
Saf T Lok Magazine Combination Lock	2	2	5	5	2	3	3	0	5	3	3	1	1	7	0	2.8
Saf T Lok Revolver Kit Combination Lock	4	4	1	1	2	4	4	0	5	3	5	1	1	9	1	3.0
Securitylocks Pistol Box		4	5	5	4	4	4	0	5	3	5	1	1	9	0	3.6
Securitylocks Gun Safes		4	5	5	4	5	4	0	5	5	5	1	1	9	0	3.8
Securitylocks Master Cable Lock		4	1	1	2	5	4	0	5	1	4	1	1	9	0	2.9
Securitylocks CCL Cable Lock		4	1	1	2	5	4	0	5	1	5	1	1	9	0	2.9
FIREARMOR Lockable Clam Shell		4	1	1	4	4	3	0	5	3	5	1	1	9	1	3.1
PHALANXLASH		4	1	1	3	4	4	0	5	3	3	4	3	9	1	3.3
Saf T Blok External Trigger Lock	5	4	1	1	3	3	5	0	5	1	3	3	1	9	0	2.9
Speed Release Electronic Trigger Lock	4	4	3	3	3	4	3	4	5	2	2	1	1	9	0	3.2
iGun	5	4	3	3	3	3	1	3	5	4	3	1	1	6	1	3.1
EtronX		4	1	1	4	4	4	3	5	5	4	3	3	9	1	3.7
TAURUS		4	1	1	3	4	4	0	5	1	4	3	1	9	1	3.0
	4.3	3.6	2.5	2.4	3.0	4.1	3.5	0.8	4.8	2.5	4.1	1.5	1.2	8.5	0.4	



Conference Agenda

Thursday 22 March

- Applications Working Group
- Technology Working Group
- Coordination Working Group





The Questions

Is it authorized user(s)-only operational?

- Is it "here & now" regards its maturity?
- How might firearm architecture be best impaired?

What (if any) are the military off-ramps/on-ramps?

- IFF?
- Anti-Theft/Tracing?
- Other?

Initial Technologies Reviewed

- •Radio Frequency Tags
- •Remote Control
- Touch Memory
- Lock Systems



•Biometrics I.D./Recognition

Conference Survey and Assessment

- Reliability
- •Implementation Time Frame
- Stakeholder Contribution

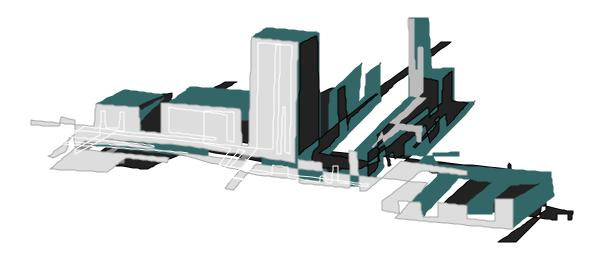


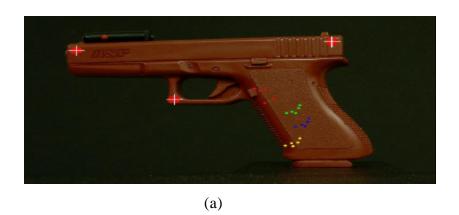


Project Survey and Assessment

- •Initial Technologies Reviewed (continued)
 - Voice
 - •Fingerprint
 - •Grip Pattern

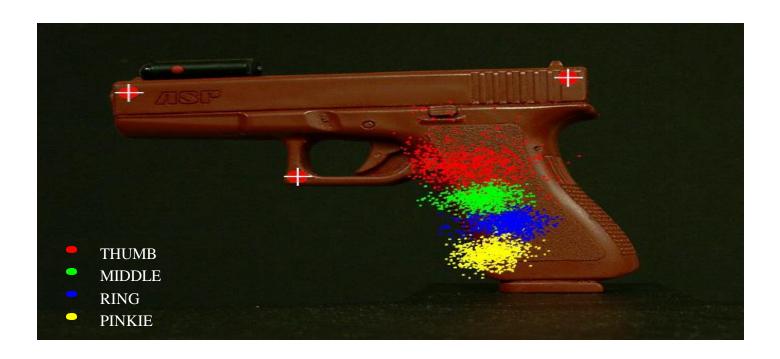








(b)



Plans

- •Meeting Report Draft Prepared: August 2001
- •Coordinate and Refine Investment Strategy
- •Industry Involvement
 - •Law Enforcement/Civil Focus
 - Possible Military Off-ramps







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