Fiscal Year:	FY 2013	**Task Last Updated:**	FY 09/22/2015
PI Name:	Ramachandran, Sowmya Ph.D.		
Project Title:	Serious Games for Team Training		
Division Name:	Human Research		
Program/Discipline:			
Program/Discipline--Element/Subdiscipline:	HUMAN RESEARCH--Behavior and performance		
Joint Agency Name:		**TechPort:**	No
Human Research Program Elements:	(1) **BHP**:Behavioral Health & Performance (archival in 2017)		
Human Research Program Risks:	(1) **HSIA**:Risk of Adverse Outcomes Due to Inadequate Human Systems Integration Architecture		
Space Biology Element:	None		
Space Biology Cross-Element Discipline:	None		
Space Biology Special Category:	None		
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City:	San Mateo	**State:**	CA
Zip Code:	94402-2513	**Congressional District:**	14
Comments:			
Project Type:	GROUND	**Solicitation / Funding Source:**	SBIR Phase II
Start Date:	07/22/2013	**End Date:**	01/21/2016
No. of Post Docs:		**No. of PhD Degrees:**	
No. of PhD Candidates:		**No. of Master' Degrees:**	
No. of Master's Candidates:		**No. of Bachelor's Degrees:**	
No. of Bachelor's Candidates:		**Monitoring Center:**	NASA JSC
Contact Monitor:	Leveton, Lauren	**Contact Phone:**	
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Flight Program:			
Flight Assignment:			
Key Personnel Changes/Previous PI:	PI changed to Dr. Ramachandran during this project; original PI was Dan Fu, Ph.D.		
COI Name (Institution):			
Grant/Contract No.:	Not Available		
Performance Goal No.:			
Performance Goal Text:			
Task Description:	Exploration crews for long duration space flights have continually expressed a need for more chances to learn to work together as a team prior to flight. Together with the need to retain proficiency with limited places to practice, we propose to build a virtual environment that is both website-accessible and scientifically-rooted team. The resulting training system will enable crews to maintain a high state of cognitive readiness for team-based skills, such as coordinated fire suppression. POTENTIAL NASA COMMERCIAL APPLICATIONS: The proposed training system will provide team-specific, task-generic, and task-specific training. We expect to either complement the EMER on board trainer by adding in a real-time training portion or build a planning portion prior to execution of the training scenarios. The fire suppression training system development would occur from 2013 to 2015, parallel with Boeing's recently awarded increment from the commercial crew program to develop the CST-100. Another set of users could come from NASA's emergency		

	personnel. The White Sands Test Facility features fire and emergency services on site.
Rationale for HRP Directed Research:	
Research Impact/Earth Benefits:	The team training system can be used by federal, state, and local government organizations to improve team performance, especially for time-critical situations. The application area most similar to the NASA application would again be similar occupations such as firefighting, law enforcement, healthcare. Other potential applications include the military, especially for unit level teams.
Task Progress:	New project for FY2013. Reporting not required for this SBIR Phase 2 project. [Ed. note: added to Task Book when received information on the task in September 2015]
Bibliography Type:	Description: (Last Updated:)