

Project Status Summary

Risk Mitigation Metric for Multifactor Authentication Systems (DARPA RA-11-52)

Report Date: 21-Jul-2013  
Project Manager: Bob O’Brien  
Technical Lead: Stephen Paul King

# Project Schedule

Overall Project is On Schedule.

* Milestone 2 package delivered to BIT Systems on Monday, 15-Jul. No word back from them – assume this is good news.
* Milestone 1 will be a few days late, but there are no direct follow-ons to this Milestone, so there is no overall project impact. We expect to deliver by Wednesday, 7/24/13.
* Milestone 3 (Sprint 1) is in progress and will complete at the end of this coming week.

# Project Budget

Project is on budget. Invoice for $31,030 for Milestone 2 was submitted to BIT Systems on 15-July. Invoice for $26,015 for Milestone 1 will be submitted with the White paper and other milestone-support documentation (i.e. updated schedule, risk log, and this report).

Expect to submit an invoice for Virtual Machine services within the week.

# Risks and Issues

Risks and Issues were last reviewed by the Project Team on 21-Jul-2013.

Resolved:

* Based on Bill’s analysis, we do not appear to have any issues that will come under Export Control.
* We have identified the “repository solution” we will use for this effort: GitHub. This will actually be set up in the coming week. Once in place, “rules” will be published.
* We have identified at least two, and possibly three biometric authenticators that will return us the type of information we need from a given authentication “session” to use the RMM and the MrE calculations to their best abilities. AT&T Voice is pretty much a given; AT&T Face and Betaface are two options that will deliver a non-binary “score” from a visual authentication attempt.

Being managed:

1. We need a functional Virtual Machine environment in place by the end of next week so we have a place to “demo” the Sprint 1 product. Roman is actively pursuing getting us set up with Amazon Web Services leased through our affiliate MediaNow.

# Overall Project Health

Project is healthy. No significant issues at present, and none foreseen that can’t be dealt with in a timely fashion.

# Additional Comments

The first few weeks of the project involved Dr. Giffon of Clarkson researching and writing the White Paper that will be the primary deliverable of Milestone 1. That work is behind schedule, currently on track to be delivered on or by 23-Jul-2013.

Allen Francom is satisfied that he will complete coding and testing to satisfy all of the user stories in Sprint 1 before the end of the coming week. We expect to be able to deliver Milestone 3 completion materials on Monday, 29-July. At the end of Sprint 1, we will have the tools needed to define the “risk parameters” and/or “risk ratings” associated with users, devices, locations, target systems, and authenticators themselves.

We will be fleshing out the specifications for user stories to be included in Sprint 2, which begins on 29-July and is expected to focus on the remaining portions of the Bench Tools. Specifically, we expect to be able to complete the components to define and store the parameters needed to complete a given “test case” or “use case” (i.e. A user claiming to be the CEO will attempt to access the financial records system using his tablet from a Starbucks in Beijing.) We expect to be able to generate a large number of “test cases” from a single tester login session; these will then be “batched” to the RMM for evaluation.

We will begin identifying evaluation criteria and methodologies as well. Sprints 3 and 4 will see evaluation capture, as well as integration with the actual RMM and Authenticators.

# Report Prepared By…

Robert O’Brien  
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