

Cyber Grand Challenge

Site Visit Procedures

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CYBER
GRAND_CHALLENGE

Document Change Summary

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Introductions

The Cyber Grand Challenge (CGC) Site Visit is part of the qualification process for the DARPA CGC. The Site Visit and Technical Paper are used by DARPA to determine the teams invited to the CGC Final Event (CFE). This document provides teams with instructions and guidelines for planning and conducting a successful Site Visit.

At the Site Visit, DARPA officials verify conformance with the requirements set forth in the CGC Rules and observe the Cyber Reasoning System (CRS) to assess system abilities and autonomy.

Applicability

This document applies to the selection process for the competitive Cyber Grand Challenge fully automated cyber reasoning system competition final event.

(NOTE: If you have received a DARPA award through the Cyber Grand Challenge proposal track, nothing in this document should be understood or construed to modify the terms of any contract or agreement. Success or failure in meeting milestones in a contracted effort does not determine success or failure in becoming a CGC finalist. Only the issuing contracting officer can authorize changes to a contract or agreement.)

Notice of Photography, recording video and sound, and filming

During the DARPA Cyber Grand Challenge events and site visits, equipment will be used to photograph, record video and sound, and film footage in connection with the production of documentary content by third-party producer(s). In addition to this notice, conspicuous notice of photography, video recording, and filming will be provided at the event and site visit. Your presence at the event and site visit is an acknowledgment that you have been informed that you may be photographed, video recorded, and filmed; and, that you grant permission for your likeness and voice to be used without compensation, credit, or other consideration in any media now known or hereafter devised, in perpetuity and throughout the universe, to include the advertising and publicity thereof. If you do not wish to be subject to the foregoing, please do not attend the event and site visit.

Location and Schedule

On the Site Visit Information Sheet (SVIS), teams propose a location within the United States to host the Site Visit. The SVIS is part three of the CGC Application and is available on the website. The SVIS and the entire Extended Application is due

from all teams by the November 2, 2014 deadline. DARPA uses the SVIS to ensure conformance with the Site Visit guidelines.

DATE	EVENT	REQUIRED
November 2, 2014	Extended Application Due	Extended Application (Parts 1-4)
December 3, 2014	Site Visit Locations Reviewed by DARPA and feedback provided	N/A
December 31, 2014	Site Visit locations Finalized	If necessary, provide an updated SVIS
June/July 2015	Site Visits Conducted at Team sites	<ul style="list-style-type: none">- Team leader must be present- Team leader - Original proof of U.S. citizenship- Team leader - Original proof of U.S. residency- If team leader is a minor, written authorization by a parent or guardian. If a guardian, proof of guardianship must be provided.- Demonstrate the function of the CRS

Site Visit Process

Provided by the Team

The team leader must remain on-site for the duration of the Site Visit. All teams are required to provide the following at the Site Visit location:

- Team leader
- Team leader original proof of U.S. citizenship
- Team leader original proof of U. S. residency
- If the team leader is a minor, written authorization by a parent or guardian. If the written authorization is from a guardian, proof of guardianship must be provided.
- Cyber Reasoning System

Agenda

The team should be organized and prepared to carry out the following steps, in the order provided below, within the 8-hour Site Visit:

- Provide and review all required documentation as stated above. If required documentation is not provided at the beginning of the Site Visit, the Site Visit will be terminated and the Team will be disqualified from the CGC competition.
- CRS architecture briefing
- Demonstrate analysis by CRS (DARPA will provide a corpus of challenge binary software upon arriving on-site)
 - Autonomous Analysis: The automated comprehension of computer software (e.g., CBs) provided through a Competition Framework.

- Autonomous Patching: The automatic patching of security flaws in CBs provided through a Competition Framework.
 - Autonomous Vulnerability Scanning: The ability to construct input which when transmitted over a network provides proof of the existence of flaws in CBs operated by competitors. These inputs shall be regarded as Proofs of Vulnerability.
 - Autonomous Service Resiliency: The ability to maintain the availability and intended function of CBs provided through a Competition Framework.
- Team interviews. A DARPA Public Relations Representative will conduct interviews with each team. These interviews may be filmed/recorded.

Selection/Notification

The teams Site Visit performance will be combined with the Technical Paper evaluation to determine the Cyber Grand Challenge finalists. Teams will be notified of their selection or non-selection for the CFE by email on or before July 18, 2015.

Glossary

CB	See Challenge Binary
CFE	CGC Final Event
CGC	Cyber Grand Challenge
Challenge Binary	A vulnerable network service that accepts remote network connections
CQE	CGC Qualification Event
CRS	See Cyber Reasoning System
Cyber Reasoning System	Unmanned systems that autonomously reason about novel program flaws, prove the existence of flaws in networked applications, and formulate effective defenses.