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## CISQ NEWSLETTER

January 2016



### CISQ to Write Technical Debt Specification *Announcing Plans for 2016*



CISQ has launched a project to specify a measure of **Technical Debt**. The measure will utilize CISQ's **Automated Quality Characteristic Measures** to detect critical vulnerabilities in the source code of software. The Software Engineering Institute is engaged in the project. In addition to an automated measure, we will provide a general framework for describing and analyzing technical debt. Anticipated submission to the OMG® will be mid-year 2016.

CISQ will also begin work on a specification for **Quality-Adjusted Productivity**, which will help IT executives evaluate development effort based on the quality of software produced. The measure will be designed to correct a release's productivity figure for the effort required to fix defects injected during the current release.

Additionally, CISQ is developing a **certification program**. Service providers will have the ability to certify software structural quality according to industry standards. To do so, CISQ is writing a conformance assessment program for tool vendors and service providers. We're also writing a professional knowledge exam to advance core competency in this area.

Please make plans to join us for outreach events. Registration is open for our **Cyber Resilience Summit** in March. I hope to see you there!

Dr. Bill Curtis  
Executive Director  
CISQ

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### Registration Now Open! *Cyber Resilience Summit, March 15, Reston, VA*

<http://it-cisq.org/cyber-resilience-summit/>

For its third year, CISQ returns to Washington, D.C. to brief Federal IT on code quality standards.

**REGISTER NOW** to join over 150 of your peers for this educational event.

The Cyber Resilience Summit will accelerate cyber discipline, covering: legacy IT modernization, software quality and security standards, automating risk management into digital services, leveraging FITARA and NDAA IT reform directives, and IT acquisition best practices. The afternoon includes an IT Acquisition Workshop to demonstrate how to add software quality metrics and cyber risk language to vendor contracts. Attendees will gain best practices for complying with FITARA and IT acquisition best practices.

**Featuring the Titans of Cyber panel**



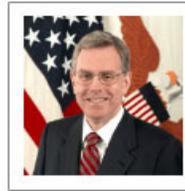
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**Paul Nielsen**  
Director and CEO,  
Software Engineering  
Institute at Carnegie  
Mellon University

## Watch a Webcast

Catch up on cybersecurity best practices. CISQ webcasts are available for viewing from our website.

**Webcast:** [Latest Advances in Cybersecurity and the New CISQ Security Standard](#)

**Speaker:** Robert Martin, Director, Common Weakness Enumeration, MITRE Corporation

**Date:** Recorded live October 15, 2015

**Webcast:** [Applying Software Quality Models to Software Security](#)

**Speaker:** Carol Woody, Senior Member of the Technical Staff, Carnegie Mellon SEI

**Date:** Recorded live April 21, 2015

## CISQ in the News

**GCN:** [Can software quality tools shrink technical debt?](#)

**ComputerWeekly:** [Digital transformations spur software quality measurement](#)

**FederalTimes:** [Officials: Be specific about cybersecurity during acquisition](#)

**American Banker:** [How to Avoid Being the Next Bank Busted by a Software Glitch](#)

**Embedded Computing Design:** [5 steps to secure embedded software](#)

 Don't forget to read our latest whitepaper: [CISQ Recommendation Guide: Effective Software Quality Metrics for Use in ADM Service Level Agreements](#)

## Thank You CISQ Sponsors



### About CISQ

The Consortium for IT Software Quality (CISQ) is an IT industry leadership group comprised of IT executives from the Global 2000, system integrators, outsourced service providers, and software technology vendors committed to introduce a computable metrics standard for measuring software quality and size. CISQ is a neutral, open forum in which customers and suppliers of IT application software can develop an industry-wide agenda of actions for improving IT application quality and reduce cost and risk.

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