



American Society for Quality (ASQ) — Washington, DC & Maryland Metro Section (509), Software Special Interest Group (SSIG)
IEEE Computer Society — Washington, DC & Northern Virginia Chapters
Society for Software Quality (SSQ) — Washington, DC Area Chapter

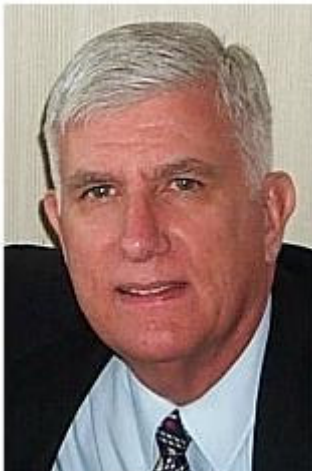
Role-Based Access Control (RBAC) Implementation and Interoperability Standard (RIIS)

by: Ed Coyne

Tuesday April 28, 2009

The central concept of Role-Based Access Control (RBAC) is that IT permissions are delegated to roles. Users assigned to roles receive the permissions granted to the role. This level of indirection can provide simpler security administration and finer-grained access control policies. Over the past 15 years RBAC has provided a widely used model for security administration in large networks of applications and other IT resources. In 2004, the RBAC model proposed by the National Institute of Standards and Technology (NIST) was adopted by the InterNational Committee for Information Technology Standards (INCITS) as standard INCITS 359-2004.

While INCITS 359 provides common models and definitions for RBAC components and functions, it is not a standard for implementation. It leaves open a number of decisions regarding the selection of RBAC features and functions for compliant products. Nor does it provide normative rules for designing and building products that conform to the standard.



To address this lack of implementation rules as well as a need for system interoperability rules, INCITS CS1.1 has developed an RBAC implementation and interoperability standard (RIIS). This presentation will discuss the status, need for, and content of the RIIS.

Ed Coyne is a senior security engineer at Science Applications International Corporation (SAIC). His research interests include access control models and role engineering. He has published a book called Role Engineering for Enterprise Security Management. Coyne has a doctorate in theoretical linguistics from Georgetown University. He is chair of the CS1.1 Role-Based Access Control task group of the InterNational Committee for Information Technology Standards (INCITS) and has been co-chair of the Certification Commission for Healthcare Information Technology (CCHIT) security expert panel.

Contact him at edward.coyne@saic.com.

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Tuesday April 28, 2009

6:30 PM – Networking and Pizza(*)

7:00 - 8:00 PM – Program

(*) - *There is no cost to attend at McLean and Silver Spring.*

Locations:

The meeting will be held at five locations using video tele-conferencing (VTC).
The presentation will originate from MITRE McLean, VA

MITRE, room 1N100
7515 Colshire Drive
McLean, VA 22102

Comtech Mobile Datacom*
20430 Century Blvd
Germantown, MD 20874

FDA, Bld 22, room 1311
10903 New Hampshire Ave
Silver Spring, MD 20993

MITRE, room 1002
260 Industrial Way West
Eatontown, NJ 07724

MITRE, room 1M306
202 Burlington Rd (Rt. 62)
Bedford, MA 01730

*If you can **host another location via VTC**, please contact Scott Ankrum (below)*

Registration:

If you cannot attend at any location, select telephone dial-in when you register.

*To RSVP for FDA (Silver Spring), please indicate citizenship. *If not a US citizen*, please provide your title, employer, and address. Allow two business days for registration before the meeting.*

You must register by noon on Monday, April 27.

Registration Website: <http://www.asq509.org/ht/d/DoSurvey/i/26913>

For registration problems or further information contact Scott Ankrum at: ankrums@mitre.org or 703-983-6127
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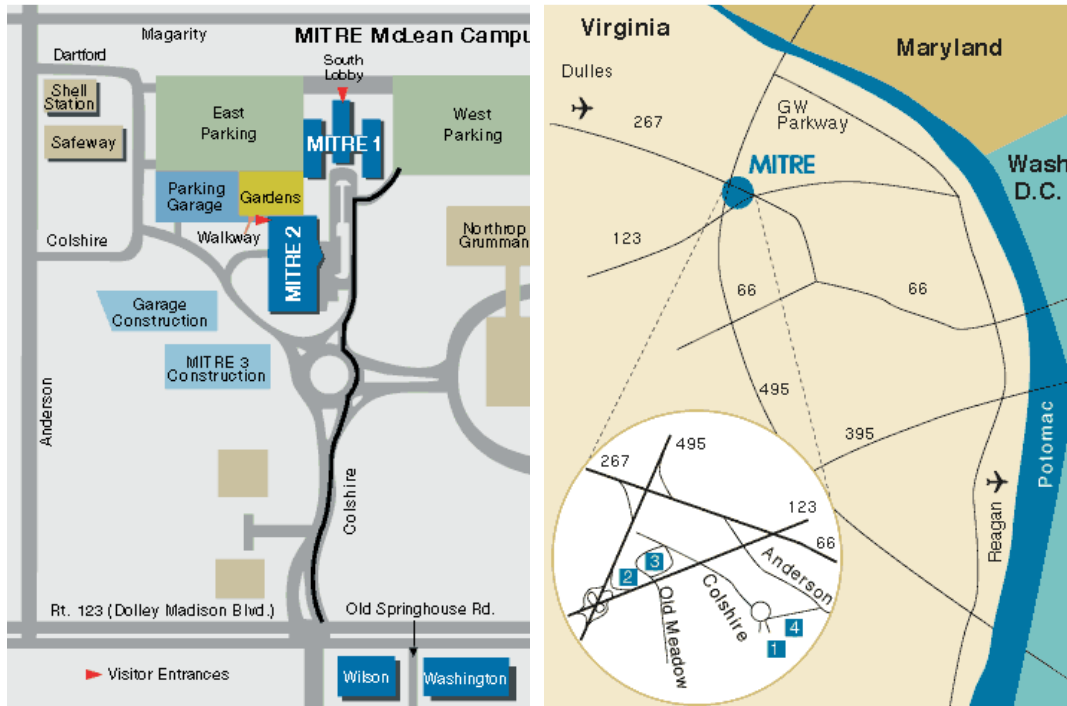
Software SIG Chairman: T. Scott Ankrum (ASQ & IEEE)
Software SIG Committee: Ben Behzadi; John Blyskal (IEEE); Richard Eng (ASQ); Caroline Isaac;
Chris Jones (ASQ & SSQ); Alfred Kromholz (SSQ); Tim Rice; James M.
Simpson (ASQ); Tom Starai (IEEE)

Sponsored Jointly By: The American Society for Quality (ASQ), Washington DC & Maryland Metro Section (509), Software Special Interest Group (SSIG); IEEE Computer Society, Washington, DC & Northern Virginia Chapters; and Society for Software Quality (SSQ), Washington, DC Area Chapter.

Members of the **ASQ SSIG** include software quality professionals, software engineers, and others interested in applying quality principles to the field of software development. See our web page: <http://www.asq509.org/ht/d/sp/i/2499/pid/2499>. We meet every month, usually at the MITRE facility in Tyson's Corner, Virginia, with VTC to other locations.

Directions to the MITRE Facility in McLean, Virginia:

Take the Beltway, I-495 to Virginia. Take Exit 46B (McLean, Route 123). Take Route 123 North, (also called Dolley Madison Blvd.) and go to the second traffic light at Colshire Drive. Turn right on Colshire Drive and continue through circle on Colshire. **Park in front of or to the right of the buildings, before passing the gate. (The gates are closed at 7:00).** Additional directions can be found at: http://www.mitre.org/about/locations/mitre1_map.html



Directions to the FDA facility in Silver Spring, MD:

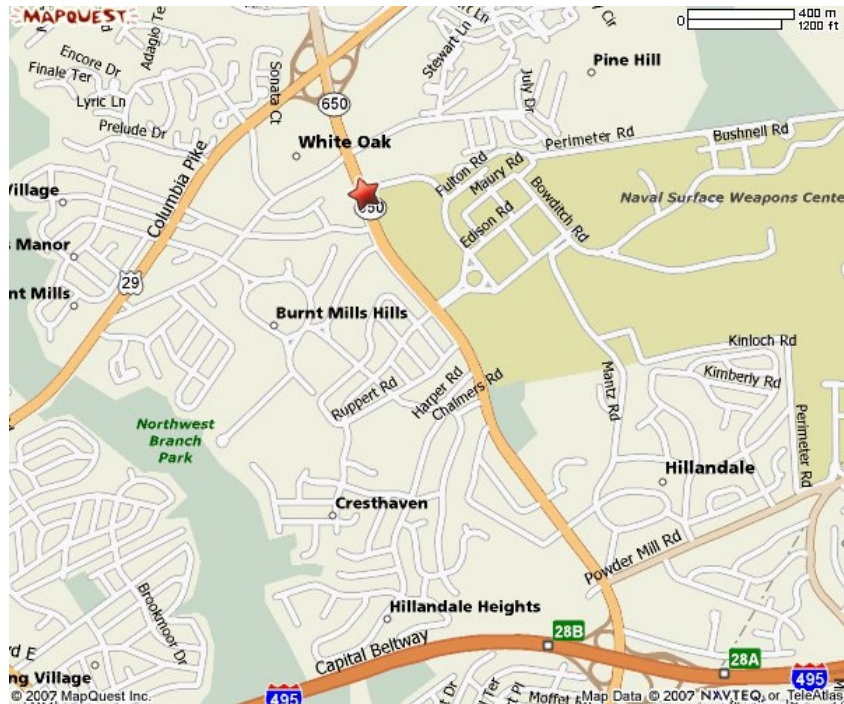
From the Capital Beltway, I-495, take New Hampshire Ave, Rt 650 north to Michelson Rd.

From Columbia Pike, Rt 29, take New Hampshire Ave, Rt 650 south to Michelson Rd

Due to construction, all traffic must use the Michelson Rd entrance. Follow signs to visitor parking.

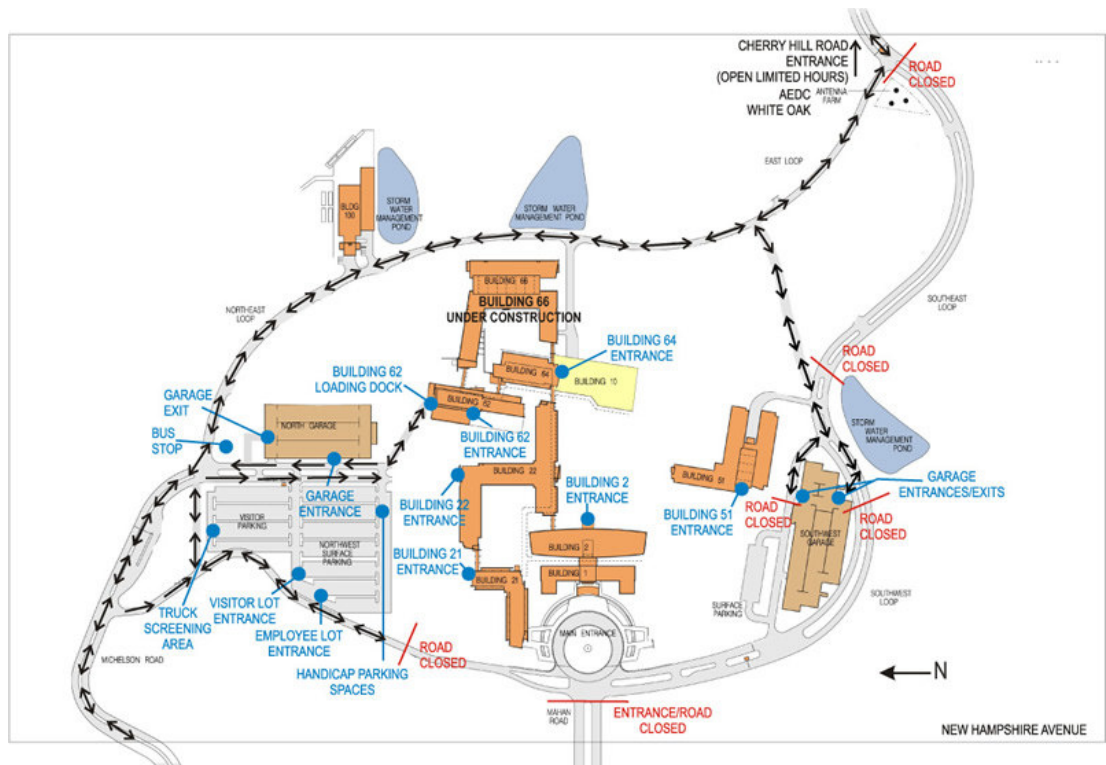
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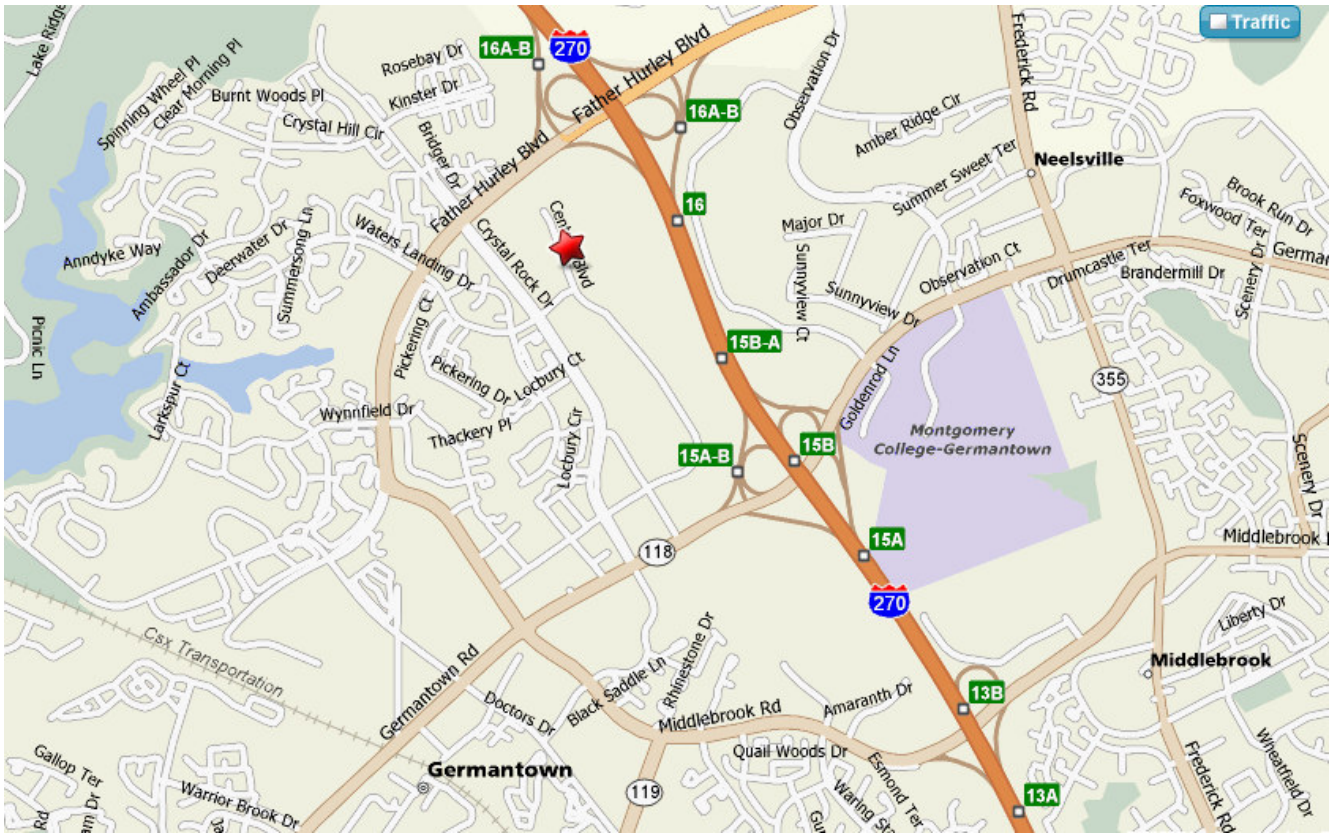
Due to construction, all traffic must use the Michelson Rd entrance. Follow signs to visitor parking.

Enter building 22.



Directions to Comtech Mobile Datacom in Germantown, MD:

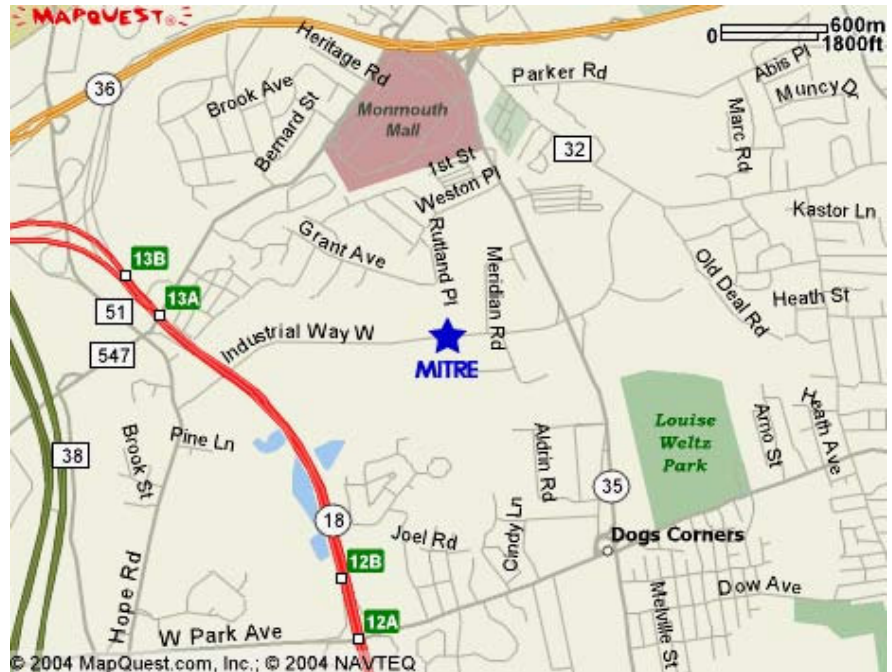
From I-270, either northbound or southbound, take Exit 15B to Rt 118 Germantown Rd. Make a right onto Crystal Rock Dr. (2nd light). Passing the first light (Century Blvd.), Aircraft Dr. (on the right) and Clover Leaf Center Dr. (on the right), you will see a small driveway on the right. Turn in the driveway and 20430 Century Blvd is the first building on the left. The building front has the Comtech neon sign.



Directions to the MITRE Facility in Eatontown, New Jersey:

From the New Jersey Turnpike

If traveling from the **SOUTH**, get off the Turnpike at Exit 7A (195 toward Shore Points). Take 195 East towards the ocean and shortly after 195 turns into Route 138 (approximately 35 miles) watch for Route 18 North (Eatontown). Take Route 18 North to Exit 13A (Wayside West/Wyckoff Road). At end of ramp, bear left. At first traffic light (Hope Road) make a left turn. Make second left turn onto Industrial Way. The MITRE Corporation is next to the First Atlantic Credit Union on the left hand side of Industrial Way. There is a MITRE sign out front.



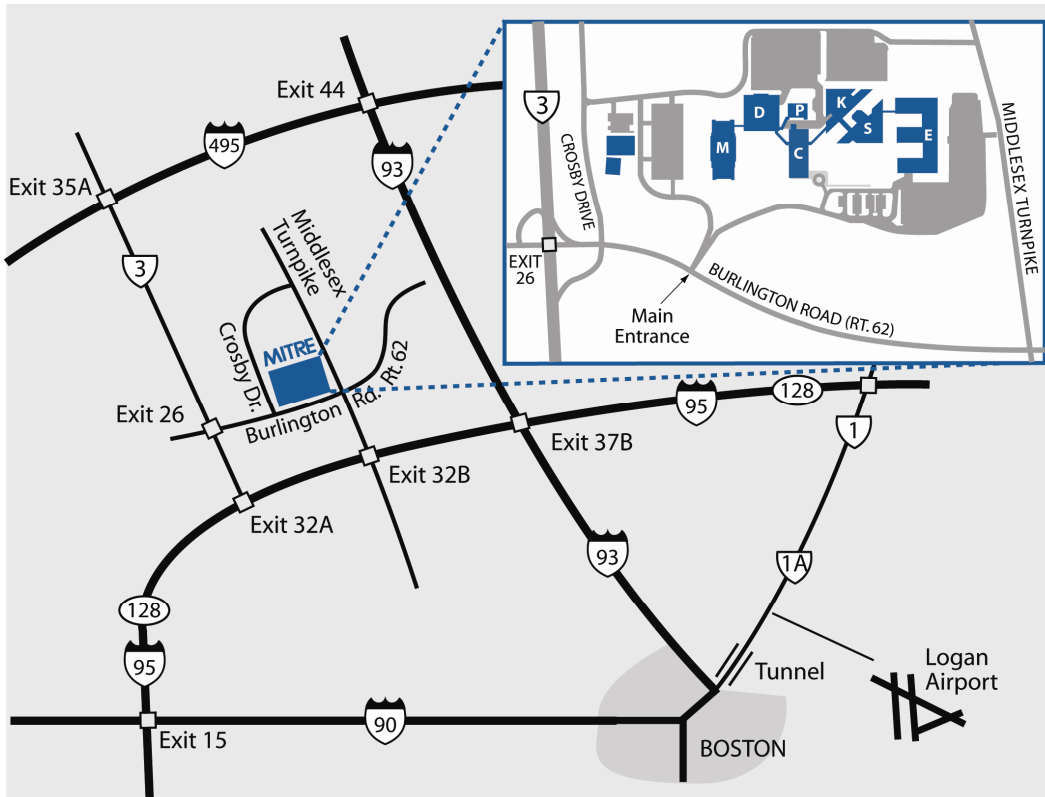
There are two buildings on the left side of Industrial Way. The first building is MITRE, the second building is TYCO. Take a left turn into the parking lot of the first building, which is MITRE.

If traveling from the **NORTH**, get off the Turnpike at Exit 11 (Garden State parkway exit). Follow the Garden State Parkway until Exit 105 (Eatontown). Follow the directions from the Garden State Parkway below.

From the Garden State Parkway: Follow the Garden State Parkway from the North or from the South to Exit 105 (the exit numbers increase going from south to north). After paying the toll at Exit 105, make first right turn onto Hope Road. Follow Hope Road to Industrial Way (second left turn after crossing Wyckoff/Shafto Road). Make second left turn onto Industrial Way. The MITRE Corporation is next to the First Atlantic Credit Union on the left hand side of Industrial Way. There is a MITRE sign out front. There are two white buildings on the left side of Industrial Way. The first building is MITRE, the second building is TYCO. Take a left turn into the parking lot of the first building, which is MITRE.

When you are facing the front of the MITRE building, the entrance to the ASQ meeting will be from the left parking lot opposite First Atlantic bank. Follow the signs to the conference room.

Directions to the MITRE complex in Bedford, Massachusetts:



From New Hampshire to MITRE Complex:

Take Route 3 South to Exit 26 (Route 62)

Turn Left on Route 62. It is a short distance to the MITRE entrance on left--watch for building directories on MITRE grounds

From Manchester Airport (NH) to MITRE Complex:

Start out going West on Airport Rd. toward parking

Turn slight right onto Brown Ave/NH-3A

Merge onto NH-101 West via the ramp on the left toward Bedford/Nashua

Take the Everett Turnpike South exit toward Merrimack/Nashua

Merge onto Everett Turnpike (toll road)

Everett Turnpike becomes US-3 South

Take exit 26 (Route 62) toward Bedford/Burlington

Turn Left onto (Route 62) Burlington Road

At second set of traffic lights, turn left at MITRE Bedford Campus entrance--watch for building directories on MITRE grounds.

Logan Airport to MITRE Complex:

Exit airport towards Route 1A South/Sumner Tunnel (I-93) Boston.

Proceed through tunnel towards Storrow Drive (I-93 North).

Take I-93 North eleven miles to Exit 37B (Route 128 (I-95) South).

Take Route 128 (I-95) South six miles to Exit 32A.

Take Exit 32A, and proceed on Route 3 North.

Take Route 3 North for two miles to Exit 26 (Route 62).

Bear right on Route 62.

Take Route 62 a short distance to the MITRE Bedford Campus entrance on left--watch for building directories on MITRE grounds.