



State Government Finance Committee

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Minnesota Health Insurance Exchange Security Update

The Minnesota Health Insurance Exchange application is being designed to follow strict federal and state security standards appropriate to the significant complexity of the application. Some of the attributes factored into its profile include:

- The exceptional complexity of the application based on its inter-operability with other state, federal and private sector systems that share data and/or process various functions in common.
- The need to protect the application's storage of citizen not public data
- The vulnerability and attraction to cyber thieves due to the high profile of the federal program
- Stringent information security compliance requirements imposed by HIPAA and various federal agencies, specifically related to the Health Insurance Exchange.

The following highlights the security measures being put into place to address these issues.

I. **Extremely high security requirements to protect the data collected and maintained**

- Data retention and data control policies for not public data under the Minnesota Government Data Practices Act

II. **A fully vetted security infrastructure - including people, processes, and tools**

- Numerous security technologies and detailed management processes integrated in the design including, application life cycle testing, patch management, logging and compliance controls and instruments, disaster recovery and business continuity, event monitoring and actions plans.
- Federal and state standards: Format and content of the security model is dictated by the federal government; aligns with requirements of Minnesota's Enterprise Security Program
- Federal government will conduct a detailed audit of Minnesota's Health Insurance Exchange security controls in June 2013

III. **Cyber defense built into the design**

- Sophisticated architecture with multiple security zones
- Perimeter and denial of service attacks
- Web services security
- Application firewalls
- Virtual shields
- Application security controls
- Encryption in motion and at rest
- Intrusion Detection
- Database encryption

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