P55 - Risk Assessment development

Recommendations geared towards Chemistry research groups. ChemIT's role is to promote, not require or enforce, these best practices.

Activities to help promote this best practice

Done

- Posted announcement of list to our News blog, and included in future update email to all CCB folks.
    - http://it.chem.cornell.edu/news/

Ideas for next steps

- Ensure ChemIT has the resources to promote this (or, can we afford not to?).
- Propose formally to CCB's Tech Cmt for feedback and support.

High-level context for a Research group IT Risk assessment

- Similar to CIT Security office Security Assessment and disaster recovery
- Offer to do this
- Enable Computing Rep to do this
- Just inform, assess, not enforce anything

Benefits

- Cost (what do we mean by this?)
- Image (what do we mean by this?)
- Prevent loss of science
- Pre-audit – be in compliance when audit happens

What would be included?

- Physical access to systems, data
- Accounts management
- Backup
- Data recoverability
- Intrusion detection
- Critical operations
- Emergency preparedness
- Machines
    - Inventory
    - Individual assessment
    - Age / potential for failure
    - Applications and os updates
    - Virus likelihood
- Clusters
    - Accounts management
    - Remote access / ports
    - Failure recovery
    - Backup & Archive
- Network / remote access
- 3rd party issues --access, recovery, restriction, location / country of storage
- Personal machine risks
    - Infections spread to CU Machines
    - Wipe out CU Data
    - Users steal data