openEHR
Archetype Clinical Governance issues

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Complex, dependent system

epSOS Patient summary

epSOS Problem

epSOS Allergy

Problem

epSOS Problem status

Allergy

Problem status

Allergen termset

Body location

Problem termset

Location termset
Clinical / project requirements

- Clear change request process
  - Where/how/who do I ask to suggest a change?
  - How do participate in the discussion/review?
  - How can I stay informed about proposed change?
  - Formal CR/informal discussion

- Agile process
  - Fast enough to respond to project timescales?
  - What happens if my CR is refused
    - Completely/Temporarily (mis-matched timescales)

- Clear clinical safety impact rules
  - Impact of new versions – technical query issues
  - Impact of new revisions – clinical safety issues
Technical requirements

- Support complex dependencies
  - Specialisations
  - Templates
  - Termset bindings
- Maintain path compatibility to support context dependent querying
  - Structural change/refactoring can break queries
  - Support context independent querying
- Strict control of versions/revisions
Repository requirements

- Support for multiple versions / revisions
- Communications support
  - between authors and consumers
  - change notification to consumers
  - change request by consumers
  - Open discussion by all stakeholders
- Lifecycle maintenance
  - Draft, team review, published, rejected etc
- Cross- repository support
  - Communication/ lifecycle/unique identification
Tricky issues

- Change of ownership
  - Marand → Slovenia → openEHR
    - Creation namespace vs. owner namespace
- Deprecation of older versions
- Avoiding unintentional parallel development
  - Early visibility and ‘homesteading’
    - but must prevent artefactID “squatting”
- Cross-repository working
  - Querying for resources
  - Notifications
Other issues

- Informal development space
  - Archetype incubator
- openEHR governance rules must be independent of Ocean CKM product
  - Alternatives (possibly OS) to be expected
  - but can gen purpose GitHub/Subversion work?
- Does HL7 Templates Registry compare?
  - Actually very close (?? paying attention!!)
- Query language
  - AQL might work very well
Emerging solutions

- openEHR domains
  - Namespace per domain + top-level registry
  - Repository can host multiple domains
  - Domains oversee governance via CKA
    - Clinical Knowledge Administrators

- Knowledge projects
  - Operational ownership by Team Leader
  - Must have a CKA in team to oversee
  - Minimum visible documentation
    - Pre-draft / proto-archetype lifecycle status

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Emerging solutions

- Clear distinction between
  - Operational artefacts (published, deprecated)
  - Artefacts being actively authored/reviewed
    - ? Different artefact ID
- Release Sets
  - Groups or libraries of specific versions/revisions of openEHR artefacts known to be compatible and dependency checked