REC TC Meeting Minutes

April 5, 2022

Present:

- Karl Hammar (chair)
- Erik Wallin
- Chris Bupp
- Peter Hartlev

Open GitHub issues and PRs

- [Creating a BACnetAndModbusController and a IoTHubConnectionParameter by cbupp · Pull Request #234 · RealEstateCore/rec (github.com)](#)
  - **Status:** Provisionally approved, subject to investigation of multiple inheritance consequences on documentation generation and SHACL generation tooling.
    - Karl tasked with investigating the latter.
    - https://github.com/RealEstateCore/rec/pull/234#issuecomment-1497645735
- [Digital Twin Graph creation error from guide · Issue #218 · RealEstateCore/rec (github.com)](#)
  - Work ongoing, assigned to Peter
  - **Status:** Work not yet initiated, Peter following up. Liaise with Karl if needed.
- [Update edge message format for REC4 GA release · Issue #190 · RealEstateCore/rec (github.com)](#)
  - Work ongoing, assigned to Per with support from Peter and Chris
  - **Status:** Task re-assigned to Peter.

Status reports, REC 4.X scoping and initiation

Reminder: discussed timeline is ~~summer~~ fall 2023

- Ontology Decision Records approach (Chris B)
  - **Notes:** https://github.com/RealEstateCore/rec/pull/235
  - Motion is carried, PR to be merged.
- ESG modelling (Erik W)
  - **Notes:** Political need is still on the horizon (EU taxonomy), but currently the details of how that need will be expressed are unclear. Work is ongoing among Idun partners and will be contributed to REC over the summer or autumn. Likely will be sufficient if we include controller vocabs etc. to support provenance and analytics in a time series system (e.g., ADX).
  - Create ODR to start the decision on ESG (Chris B)
- Energy systems (Erik W)
  - **Notes:** Nothing to report.

- Asset tracking / Asset types (Chris B)
  - **Notes:** Work ongoing, PR by the next TC call.
- Modularization (Karl H)
  - **Notes:** Nothing to report.
- Healthcare (vacant)
  - **Notes:** Nothing to report.

Issues on hold

Note: issues below due to lack of time were not addressed at this call and remain on hold.
- SHACL: ensure consistency with GeoJSON vocabulary · Issue #230 · RealEstateCore/rec (github.com)
  - Affects SHACL models
  - Background: we defined GeoJSON primitives in a fake geojson.org namespace.
  - Since then, GeoJSON have defined their own formal semantics in the purl.org/geojson namespace, utilizing the same prefix (geojson:).
  - This is not a logical inconsistency but could be confusing to devs.
  - Proposed solution: Move our own SHACL geojson primitives to within REC namespace to reduce confusion. Define these as owl:sameAs or rdfs:seeAlso to the old namespace.
  - **Status:** TC briefed on issue, indicates general agreement w/ proposed solution, but this is not a top priority in the short term – can wait until next point release.
- rec:substance · Issue #151 · RealEstateCore/rec (github.com)
  - Affects SHACL models
  - Will be resolved w/ fully operational DTDL->SHACL translation
    - Initial commit in repo
    - Maybe by REC 4.1?
  - **Status:** TC briefed on issue, indicates general agreement w/ proposed solution, but this is not a top priority in the short term – can wait until next point release.
- Implement Bookings · Issue #55 · RealEstateCore/rec (github.com)
  - Feature request
  - **Status:** See REC4+ work
- Implement ESG Certification module · Issue #33 · RealEstateCore/rec (github.com)
  - Feature request
  - **Status:** See REC4+ work