

REC TC Meeting Minutes

June 1, 2023

Present:

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

Open GitHub issues and PRs

- [Fix PV_Panel enum values to be arrays instead of objects](#)
 - **Status:** Patch to be merged. No semantic difference, only syntactical. Noting that translation pipeline ought to be modified to catch this in future cases.
 - **Decision:** Merge.
- [Creating a BACnetAndModbusController and a IoTHubConnectionParameter](#)
 - **Status:** waiting on further PR developments from Chris's team.
 - **Decision:** wait until next TC
- [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. Investigative work at Castellum is ongoing.
 - **Decision:** we'll break out Edge message schema to a separate repo.

Status reports, REC 4.X scoping and initiation

Reminder: discussed timeline is fall 2023

- 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:**
 - Discussion: two aspects:
 - Modularization of repos and development process (namespaces, Git organization, etc)
 - Versioning and packaging for deployment (NuGet, NPM, etc)

- Proposed solution: .NET project templates to create REC extension.
Creates:
 - folder structure
 - .nuspec
 - .gitignore
 - build scripts
 - ...
- Healthcare (Erik W)
 - **Notes:** ongoing project with leading health real estate services organizations (Region South Sweden, Healthcare West Norway) will most likely produce PR.

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