Property Unique ID
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Meet 4th Wednesday of every month at 1:00 PM EST
(Next meeting 11/30)

Check out our conference app for more information about this speaker and to view the handouts!
Property ID Goal

• Ubiquitous Identifier for Properties
  – Standards based, non-proprietary definition
  – Simple, straight forward to implement

• Portable
  – Universal key to an ecosystem of data
  – Ability for vendors to map specific information directly or indirectly to a specific property

• Immediate Goal
  – Can uniquely identify >90% of US properties
Brief History

• Found many ways to represent uniqueness
• At implementation point, need to move forward
• Other similar industry work
  – US Dept of Transportation (Emergency Svcs)
  – Consumer Finance Protection Bureau (yes, them)
Use Case: Realtor

- Support simplified listing generation
- Improves data quality
Use Case: Research

- Single key definition
- Universally recognized
- Supports property “lineage”
- Allows coherent views
- Expanding ecosystem
Use Case: System Integrator

- Simplified consolidation
- Simplified correlation
- Eliminate redundancy
- Allow for property “lineage”
Open Standard

• PUID standard *resources*
  – Any organization can provide a PUID result based on standard
  – Identical property should provide identical PUID
  – Vendor can match proprietary ID to RESO Property ID
  – Enable true cross platform service delivery for property information
Proposed ID

• Based on publicly available records
• Based on ISO convention model (hierarchical)
  – ISO 3166 specifies country codes
  – Specifies that country identify sub-regions
  – US uses FIPS conventions for unique county
  – Most or all Counties have unique numbering for parcels
(Draft) PUID Structure

<table>
<thead>
<tr>
<th>COUNTRY CODE</th>
<th>SUB-COUNTRY CODE (US=FIPS)</th>
<th>Parcel Type Identifier</th>
<th>County defined Parcel Number</th>
<th>Other Differentiator? (reused?, etc)</th>
</tr>
</thead>
<tbody>
<tr>
<td>US</td>
<td>04013</td>
<td>00</td>
<td>508-22-009</td>
<td>?</td>
</tr>
</tbody>
</table>

US040130050822009A

See whitepaper for more details
Open Concerns

- Is county uniqueness assumption valid?
- Do some areas allow APN re-use?
- Are delimiters present challenges?
- Are APN’s governed (resilient to change)?
Solution Approach

• Identify proposal Issues, (record on spreadsheet)
  – Feedback from area experts
• Verify & Validate
  – Zillow, CoreLogic, CRSData granting research license to RESO
• Finalize ID components
• Launch community Proof of Concept
• Publish PUID definition standard
• Launch RESO Open source Repository
  – (return PUID only)
Workgroup Objectives

- Data/Composition validated: 12/2016
- PUID Definition Available: 4/2017
- Community POC: 6/2017
- Final PUID Definition: 7/2017
- Pilot RESO PUID Repository 9/2017
- Final RESO PUID Repository 11/2017
Discussion

• Definition validity comments?
  – Other challenges?

• Objectives timeline concerns?
  – Firm by November WG meeting

• Concerns regarding RESO-owned Repository?
Links

• PUID Home (whitepaper, research sheet, etc)
  – http://members.reso.org/display/PUID

• ISO 3166-2 (+ FIPS)
  – United States: https://www.census.gov/geo/reference/codes/cou.html