



Data Dictionary Certification

RESO Fall Meeting 2014

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Agenda

- Certification Application Process
- Five Compliance Tests
- “Cautionary Warnings”
- Data Dictionary “Core” Fields
- Current and Future Certifications



Certification Application Process

- 1: On-line Application: RESO.org/Certification
- 2: Supplemental Application Information
- 3: Compliance Testing
- 4a: Report Card
- 4b: Certificate



Field Level Compliance

- Field Name (a.k.a Standard Name)
- Data Type
- Precision
- Maximum Length
- Lookups (a.k.a. Enumerations)



Cautionary Warnings

- When a Field is Not Compliant...
- But still allowed for Certification.



Compliance: Field Name

- Field Name = a.k.a “Standard Name”
 - RETS 1x: “StandardName” field attribute
- Compliance: Identical Name Match
 - Example: “ListingID”, Not “ListID”
- No “Cautionary Warnings” Allowed



Compliance: Data Type

- “Logic” Match not “Physical” Match
- Nullable Boolean: 1/0, Y/N, Yes/No, T/F, True/False, or by not providing data
- Number (Whole): Int, Long, Small, Tiny (Not Decimals or String)



Certification: Data Transmission

- Data Transmission: Data flow for Data Types
- Compliance: Host/MLS Data flow into Data Dictionary
- Flow must prevent Data Loss



Certification: Data Transmission

Host/MLS Data →	Data Dictionary	Compliance
Number (Int, Long, Small, Tiny, etc.)	Number	OK
Number	String	Cautionary Warning
String	Number OR Date	Not Compliant
LookupMulti or Single Select	String	Cautionary Warning
LookupMulti	Single Select	Not Compliant
Single Select	LookupMulti	Cautionary Warning
Date	Timestamp	Cautionary Warning
Timestamp	Date	Not Compliant



Compliance: Precision

- Precision should match
 - Differences are “Cautionary Warnings”
 - “0” is not compliant (That’s a whole number)
- Example: GarageSpaces “2”
 - 2: Compliant
 - 1 and 3+: Cautionary Warning
 - 0: Not Compliant



Compliance: Maximum Length

- Maximum Length should equal or less
 - Longer is a “Cautionary Warning”
- Example: OtherStructures “1024”
 - ≤ 1024 : Compliant
 - > 1025 : Cautionary Warning



Compliance: Lookups (Enumerations)

- Match Data Dictionary lookup value exactly
 - No Synonyms or Spelling Variations
 - “Condominium” Not “Condo”
- Found in the same lookup field
 - “Kitchen” only in “RoomType”
 - Duplicate lookups are allowed but...
other field with “Kitchen” is non-compliant
- Same name, Different Definition/Location
 - Cabin: PropertySubType or ArchitecturalStyle?



Data Dictionary “Core” Fields

- Core Fields MUST be compliant
- “Core” is not “Required”
 - Example: “ListingID” and “ListingKey”

DD Resource	Total DD Entries	Number “Core”	Percentage
Property	571	166	29%
Member	61	28	46%
Office	38	22	58%
Media	25	11	44%
Open House	22	17	77%



Data Dictionary “Core” Examples

Core

- ListingId
- MlsStatus
- ExpirationDate
- ListPrice / ClosePrice
- PublicRemarks
- PhotoCount

Not Core

- ListingFinancing
- DevelopmentStatus
- AvailabilityDate
- PreviousListPrice
- PrivateOfficeRemarks
- VideoCount



Current Data Dictionary Certification

- One Certification Type: Core
 - All mapped Core Fields are Compliant
- Disqualifications:
 - Mapped Core Fields NOT compliant
 - Non-mapped Core Fields are found
- Allowed:
 - Mapped Non-Core Fields
 - Even if the Non-Core Field is NOT Compliant



Future Data Dictionary Certification

- Additional recognition for
Additional compliance
- Future Certification Levels (5)
 - Core (Min), Bronze, Silver, Gold, Platinum (Max)



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