



Certifying RESO Standards

RESO Spring Conference - June 2015

Current RESO Certifications

- Vendor Certifications
 - RETS 1.8 & 1.7.2
(Client / Server)
- MLS Certifications
 - Data Dictionary 1.3
(on RETS 1.x)



Data Dictionary Certification

- Getting Started with the Data Dictionary
- Certification Testing
- Certification Notices & Warning
- Certification Levels
- Q & A



RESO Data Dictionary Certificate Holders

MetroList[®]

MRIS[®]
Real Estate in Real Time™

MLS 
LISTINGS
List it. Find it. Sell it.

 **MRED**[®]
Midwest Real Estate Data

Data Dictionary: Getting Started

- Data Dictionary “Starter Kit”
bit.ly/RESODDStarter13
- MLS: Develop Action Plans



Data Dictionary: Getting Started

- RESO Staff Support
 - <http://www.reso.org/certification>
 - certification@reso.org
- Data Dictionary Mapping Help
 - bit.ly/RESODDMapHelp



Data Dictionary Starter Kit

On RESO.org or bit.ly/RESODDStarter13

1. Data Dictionary Overview
2. Contains links to various documents needed during mapping and implementation
 - Data Dictionary Mapping Tool (Spreadsheet)
 - New version to be created when 1.4 finalized



Data Dictionary Mapping Examples

MLS Field Name	MLS Data Type	MLS Length	Issue	Data Dictionary Name	Data Dictionary Data Type	Sug. Max Length
ClosingDate	Date	19	N	CloseDate	Date	24
DOM	Small	5	Too Long	DaysOnMarket	Number	4
MemberRemarks	Character	750	Too Short	PrivateRemarks	String	4000
HighSchool	Character	50	String-to-Lookup	HighSchool	String List, Single	50
ListingID	Character	255	Wrong Case	ListingId	String	255

What is Certification? - bit.ly/RESOCert

- Comparing the ***MLS Data Structures*** with the ***Data Dictionary definitions***.
 - Certification helps prevent data loss, confusion
 - Certification encourages consistent experience for data consumers
- System/Platform Independent
 - “Data Dictionary on RETS 1.x” available
 - “Data Dictionary on Web API” coming



Certification Notices & Warnings

- For less severe differences
- Warnings must be fixed within 1 year (or next certification)
- No time requirement to fix Notices

Details on Notices, Warnings & Errors available in supporting documentation



Potential Mapping Issues

- Field Name (Finding the matches)
- Data Type (String, Number, Lookup, etc.)
- Precision (Decimals)
- Maximum Length (String, Number)
- Lookups (a.k.a. Enumerations)
- Definitions (same name,
different meanings)



Supplemental Application Info.

- Certification is a process
 - bit.ly/RESODD13RETS1xSAI
- Additional information may be required
 - Resource/Class Mappings
 - Known non-compliant fields
 - Duplicate or Externally validated Lookup Values



Data Dictionary 1.3 “Core” Fields

- “Core” does not mean “Required”
- MLS Fields can be: Core, Not Core, Not in Data Dictionary
- For Certification: MLS Core Fields MUST match the Data Dictionary



Data Dictionary 1.3 “Core” Examples

Core

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

Not Core

- ListingTerms
- DevelopmentStatus
- AvailabilityDate
- PreviousListPrice
- PrivateOfficeRemarks
- VideoCount



Data Dictionary 1.3 Certification

- One Certification - Satisfies NAR
- Disqualifications
 - Core Fields Errors
 - Non-mapped Core Fields are found
- Allowed for Data Dictionary 1.3
 - Mapped Non-Core Fields
 - Core Field Warnings and Notices
 - Non-Core Fields Errors



Data Dictionary 1.4 Certification

- Executive Summary of Changes
 - bit.ly/RESODD14UpgradeSummary
- Multiple Certification Levels:
 - *Core, Bronze, Silver, Gold, & Platinum*
 - [Raising Data Dictionary Certification Standards](#)

Minimum Compliance levels for Certification

Year	2015-2016	2017	2018	2019	2020+
Effective	1/1/2015	1/1/2017	1/1/2018	1/1/2019	1/1/2020
Level	Core	Bronze	Silver	Gold	Platinum



Data Dictionary 1.4 Certification

- Draft Testing Rules 1.4.0 (Draft):
 - members.reso.org/display/DDCTR5
- Errors prevent certification at that level
 - Gold Errors = Silver Compliance, etc.
- Compliance Notices & Warnings
 - Platinum: No Warnings or Notices (Any Type)
 - Gold: No Warnings or Data Type Notices
 - Silver: No Data Type Warnings



Data Dictionary Planning Steps

1. Understand Data Structure changes
2. Create & Complete an Implementation Plan
 - a. Focus on “Core” Fields first
 - b. bit.ly/RESODDMapHelp
3. Apply for Certification



Certification Planning Help

- Testing Tools
 - RETS 1.x: Available
 - Data Dictionary: Coming
 - <https://github.com/RESO-RETS>
 - Open-source Development
- Testing Rules 1.4.0 (Draft):
 - members.reso.org/display/DDCTR5



Important Links

FAQ PDF: bit.ly/RESOCert

Getting Started: bit.ly/RESODDStarter13

Applications, Instructions, and Testing Rules:
www.reso.org/certification

We're here to help!

certification@reso.org

