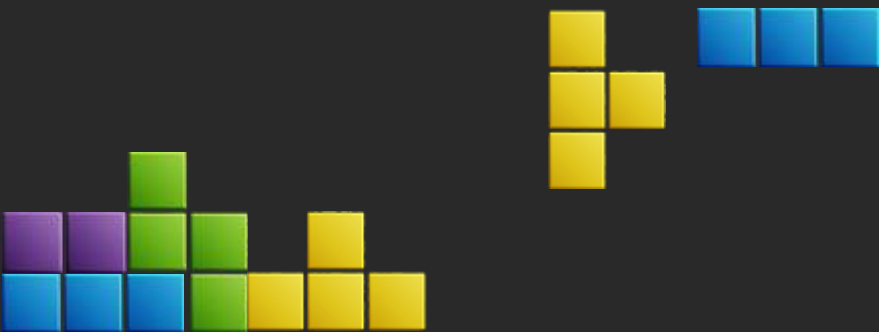




# RESO<sup>®</sup>

## 2018 Spring Technology Summit

Expanding and Launching Profitability through RESO Standards



**IT'S GAME ON  
FOR DATA STANDARDS!**

# MLS Implementations of Data Dictionary

Moderator: Meg Garabrant, NEREN<sup>®</sup> MLS

## Panelists:



Olga Ermolin,  
MLS Listings



Greg Moore,  
RMLS



Liz Tewksbury,  
NEREN<sup>®</sup> MLS



Rob Larson,  
CRMLS



# SPEAKER



## Meg Garabrant| NEREN® MLS

Director of Marketing & Communications

The NEREN® MLS has over 10,000 users throughout New England and is the primary MLS for the states of NH and VT. Meg oversees third party integrations, product, member training & education, and is responsible for ensuring RESO field compliance. Meg is a member of RESO, CMLS and is Chair of the CMLS Green Section Council. She most recently became a member of the NAR Sustainability Advisory Group.



## BIO PAGE

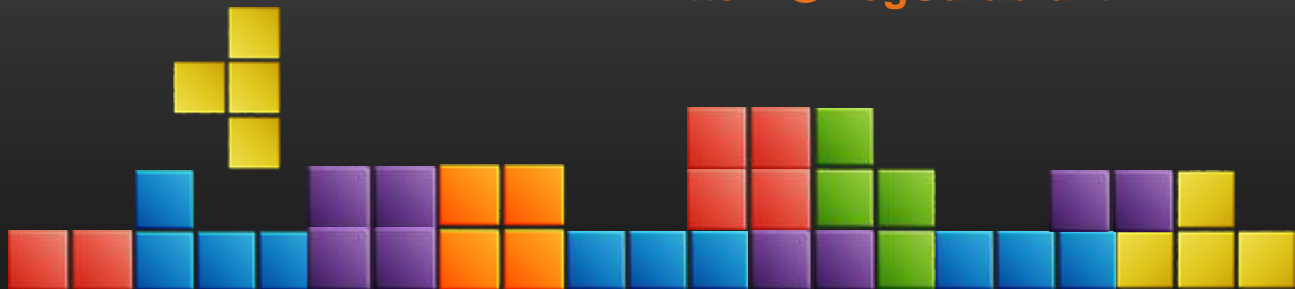


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**Twitter:** @MegGarabrant



# SPEAKER

# BIO PAGE

## Olga Ermolin | MLSListings

Sr. Business Intelligence / Data Integration Engineer

Passionate about all things data, responsible for standardizing the schema of company's database, leading numerous data share and data integration projects with other MLSs and real estate vendors, designing and developing data analytics and business intelligence tools as well as maintaining day-to-day data integrity and data feeds operations.



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# Background and Process

- MLSListings serves about 16000 subscribers in the San Francisco Bay Area. We build and maintain our own backend and entry systems, have two third party MLS systems, providing choice to subscribers.
- We also implement and run multiple data shares.
- For 1.3 Core certification, we made changes to our native database that were reflected in all applications
- For 1.5 Platinum, we set up a proxy server and mapped native fields into it.
- Web APIs and our Consumer Site are running on 1.5 Platinum schema.
- **Reasoning behind proxy approach:**
  - The conversion impact would be huge for RETS clients and vendor implementations including our MLS systems.
  - Data Dictionary is still evolving and we would be looking at several conversions impacting live customers.
  - Our own subscribers want to see native fields in Listing Management and MLS systems.

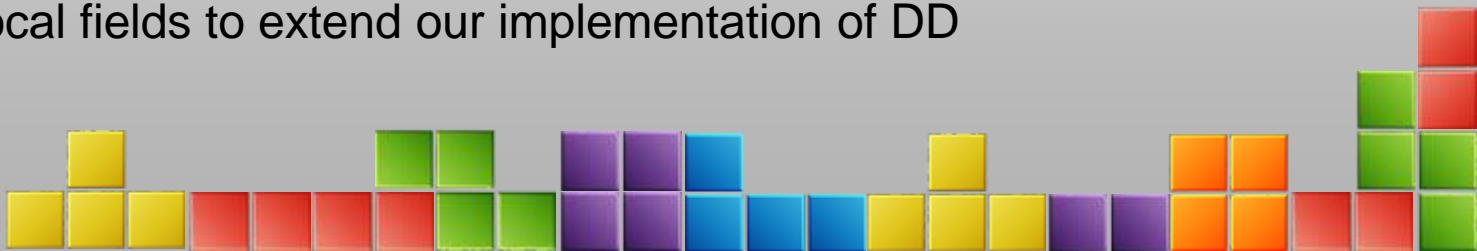




# Tools Used



- Used in-house built mapping tool
- The tool loads data dictionary into a RETS metadata schema, defining resources, classes, fields and lookups.
- Our own metadata is also loaded into the tool.
- Tool allows to map RETS metadata items, generating mapping code later.
- First we mapped everything that had a corresponding field in DD
- Then suggested additions to DD for important fields that were missing
- Added local fields to extend our implementation of DD



(MLS-DD) : Property : RES1

**SUMMARY** **DETAILS**

Select: Appliances

Select	Active	SystemName	ClassName	DataType	Interpretation	LookupName
Select	✓	Appliances	BUSO	Character	Number	Appliances
Select	✓	Appliances	COML	Character	Lookup	AreaSource
Select	✓	Appliances	COMS	Character	Lookup	AreaUnits
Select	✓	Appliances	FARM	Character	LookupMulti	AccessibilityFeatures
Select	✓	Appliances	LAND	Character	LookupMulti	AccessibilityFeatures
Select	✓	Appliances	MOBI	Character	LookupMulti	AccessibilityFeatures
Select	✓	Appliances	RES1	Character	LookupMulti	AccessibilityFeatures
Select	✓	Appliances	RINC	Character	LookupMulti	AccessibilityFeatures
Select	✓	Appliances	RLSE	Character	LookupMulti	AccessibilityFeatures

1 2 3 4 5 6 7 8 9 10 ... ▶

**DETAILS**

**Active** **SystemName** **StandardName** **DbName**

✓ Appliances Appliances Appliances

**LongName** **ShortName** **LookupName**

Appliances Appliances Appliances

**RETS Schema Name** **RETS Schema Type**

**DataType** **MaximumLength** **Precision** **Interpretation** **Alignment** **Units** **Required**

Character 1024 LookupMulti

**Default** **Minimum** **Maximum** **MaxSelect** **Index**

1

**ModTimeStamp** **Searchable** **UseSeparator** **Unique** **KeyRetrievalQuery** **KeyRetrievalSelect**

✓

**EditMaskID** **SearchHelpID**

**ForeignKey** **ForeignField**

**DefaultValue** **NoSchemaGeneration** **UnmappedOK** **IsRets**

**HasViewAll** **HasMinMax** **HasHistory**

**Comments**

A list of the appliances that will be included in the sale/lease of the property.

**Example**

**Instructions**

**Modified By** **Modification Date**

NCREX-SHARE bermolin 3/31/2016 12:04:42 PM

**CLASSES**

Active	SystemName	ClassName	DataType	LookupName	
Synch	✓	Appliances	BUSO	Character	Appliances
Synch	✓	Appliances	COML	Character	Appliances
Synch	✓	Appliances	COMS	Character	Appliances
Synch	✓	Appliances	FARM	Character	Appliances
Synch	✓	Appliances	LAND	Character	Appliances
Synch	✓	Appliances	MOBI	Character	Appliances
Synch	✓	Appliances	RES1	Character	Appliances
Synch	✓	Appliances	RINC	Character	Appliances
Synch	✓	Appliances	RLSE	Character	Appliances

**MAPPING**

Source	System	Resource	Class	Field	Mappings	M. Values	Values
MLS	Property	RES	Kitchen	26	26	66	
MLS	Property	RES	Laundry	5	5	58	
MLS	Property	RES	Water	3	1	67	

**FOREIGN KEYS**

**Parent**

**Child**

Ex. **Appliances** Field in Data Dictionary

- DD is loaded into RETS MD schema
- Each field can be browsed
- Classes where this exist are listed
- Native fields are mapped into DD field :

Kitchen  
Laundry  
Water



# Benefits of DD adoption

- Any project that involves data sharing or data integration from other sources takes A LOT less time. Goes both way, not only our projects go much faster, but also time is saved for our vendors.
- In several cases, we adopted Data Dictionary schema in our own implementations. Example is Media resource that we added recently. Another example is Contacts resource that we are adopting right now instead of reinventing it ourselves.
- Even if vendor is working with our RETS server that serves data in our local schema, availability of mapping is helpful for their integration process.
- As we were implementing data dictionary while building our consumer site, we made several suggestions to the standard resolving challenges we faced.
- Contributing to data dictionary definition, helped us with mapping later.
- We utilized mapping submitted to Data Dictionary workgroup later in our mapping process.







# Challenges

- Maintaining two feeds (native and Data Dictionary).
- Those vendors that want native fields, will not transition to APIs and we are looking at maintaining RETS and Web APIs for some time.
- Upgrading to the latest versions of DD disrupts current implementations running in production, including our own implementation of the public site.



# SPEAKER

## Liz Tewksbury | Product Manager

In addition to bringing new products to the MLS, Liz dedicates her time to enhancing product offerings to meet member needs & expectations while also aiding in defining the company's long term product plan. She ensures RESO field compliance in the MLS Database and serves on the RESO Data Dictionary workgroup.



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# BIO PAGE



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**Twitter:** [@liztewksbury](https://twitter.com/liztewksbury)



# Process/Route to Obtain Certification



- Regional MLS 10,000+ users on a 3rd party MLS system
- Software Conversion – two schools of thought; transfer the database as is or make all changes at one time
- Create a “database” snapshot in EXCEL
- For each field in our database, was there an option in the RESO Data Dictionary that could work?



# MLS Created Field Database

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	A	B	C	D	E	G	H	I	J
	Field Type	Input Label- (Long Name)	RESO Field Name	Database Name	Short Name	Max # Character	Type of Input Field	Selections	
1	Listing	Allow AVM	InternetAutomatedValuationDisplayYN	AllowAVMYN	AllowAVM		String List; single select	Yes/No	
2	Listing	Allow Blogging	InternetConsumerCommentYN	AllowBloggingYN	AllowBlog		String List; single select	Yes/No	
3	Listing	Appliances	Appliances	Appliances	Appliances		String List, Multi-Select		
4	Listing	Appraisal Complete	Non-RESO field	Appraisal CompleteYN	ApprslCom		Currently Single Select	Yes/No	
5	Listing	Area Description	Non-RESO field	AreaDescription			Multi Select		
6	Listing	Assessment Amount	TaxAssessedValue	AssessmentAmount	AssmntAmt	14	Number	-	
7	Listing	Basement Access	Non-RESO field	BasementAccess	BsmtAcss		String List; single select		
8	Listing	Basement Description	Basement	BasementDescription	BsmtDesc		String List, single Select	-	
9	Listing	Basement	Non-RESO field	BasementYN	Basement		Single Select	Yes/No	
10	Listing	Baths	UnitType[type]BathsTotal	Baths	Baths	3	Number	-	
11	Listing	Baths - 1/2	BathroomsHalf	BathsHalf	BathsHalf	3	Number		
12	Listing	Bedrooms	UnitType[type]BedsTotal	Bedrooms	Bedrooms	3	Number	-	
13	Listing	Color	Non-RESO field	Color	Color		String	-	
14	Listing	Common Land Acres	Non-RESO field	CommonLandAcres	ComLndAcr		String	-	
15	Listing	Compensation - Buyer Agency Type	BuyerAgencyCompensationType	CompensationBuyerAgencyType	CompByAgTy	25	String List; Single Select	\$/%	
16	Listing	Compensation - Buyer or Designated Agency	BuyerAgencyCompensation	CompensationBuyerDesignatedAgency	CompByAgc	25	String	-	
17	Listing	Concession - Amount	ConcessionAmount	ConcessionAmount	ConAmt	-	-	-	
18	Listing	ConcessionComments	ConcessionComments	ConcessionComments	ConComm		String List, Multi Select	-	
19	Listing	Concessions	Non-RESO field	ConcessionsYN	Concessn?	Yes/No	Single Select	Yes/No	
20	Listing	Condo Name	AssociationName	CondoName	CondoName	50	String	-	
21	Listing	Construction	ConstructionMaterials	Construction	CS		String List; Multi		
22	Listing	Contingencies	Contingency	Contingencies	Contingncy	1024	String		



# Moving Forward with Adoption

- Copy the RESO Data Dictionary when it is published
- Highlight and review the new RESO fields for consideration
- Indicate if we currently have adopted that field and if so what our label is.
- Review existing RESO fields that we haven't adopted to determine if they may be more suitable than an equivalent "local" field



# RESO Data Dictionary Field Adoption

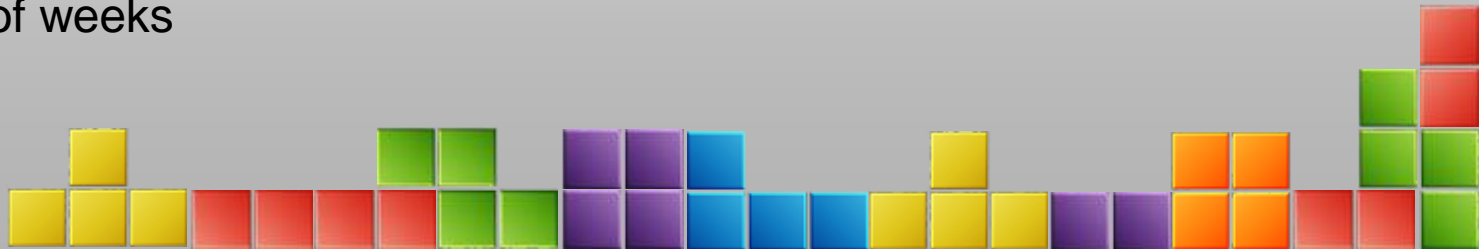
NEREN Adopted?	Long Name (label)	StandardName	Definition	Groups	SimpleDataType	SugMaxLength	Synonym
Y	SqFt - Apx Finished Above Grade	<a href="#">AboveGradeFinishedArea</a>	Finished area within the structure that is at or above the surface of the ground.	Property Resource,Structure Group	Number	14	
N		<a href="#">AccessCode</a>	If the property is located behind an unmanned security gate such as in a Gated Community, what is the code to gain access through the secured gate.	Property Resource,Listing Group,Showing Group	String	25	GateCode
Y	Features - Accessibility	<a href="#">AccessibilityFeatures</a>	A list or description of the accessibility features included in the sale/lease.	Property Resource,Structure Group	String List, Multi	1024	
N		<a href="#">AnchorsCoTenants</a>	The main or most notable tenants as well as other tenants of the shopping center or mall in which the commercial property is located.	Property Resource,Characteristics Group	String	1024	
Y	Appliances	<a href="#">Appliances</a>	A list of the appliances that will be included in the sale/lease of the property.	Property Resource,Equipment Group	String List, Multi	1024	
Y	Style	<a href="#">ArchitecturalStyle</a>	A list describing the style of the structure. For example, Victorian, Ranch, Craftsman, etc.	Property Resource,Structure Group	String List, Multi	1024	Style
Y	Association Amenities	<a href="#">AssociationAmenities</a>	Amenities provided by the Home Owners Association, Mobile Park or Complex. For example Pool, Clubhouse, etc.	Property Resource,HOA Group	String List, Multi	1024	AssociationRules, AssociationInfo, HOAAmenities
Y	Date - Available	<a href="#">AvailabilityDate</a>	The date the property will be available for possession/occupation.	Property Resource,Listing Group,Closing Group	Date	10	
N		<a href="#">BuilderName</a>	Name of the builder of the property or builder's tract.	Property Resource,Structure Group	String	50	
Y	Buyer Agency Type	<a href="#">BuyerAgencyCompensationType</a>	A list of types to clarify the value entered in the BuyerAgencyCompensation field. For example \$, % or some other clarification of the BuyerAgencyCompensation.	Property Resource,Listing Group,Compensation Group	String List, Single	25	SOCCompType, SellingOfficeCompensationType, BuyerBrokerCompensationType, SOCType, CommissionType
Y	Financing - Buyer	<a href="#">BuyerFinancing</a>	A list of options that describe the type of financing used. This field is used when setting a listing to Closed. i.e. cash, FHA loan, etc.	Property Resource,Listing Group,Closing Group	String List, Multi	1024	
Y	Date - Terminated	<a href="#">CancellationDate</a>	Date the listing contract between the seller and listing agent was cancelled. This is the date entered by the agent reflecting when the change occurred contractually, not a timestamp of when the change was made in the MLS.	Property Resource,Listing Group,Dates Group	Date	10	
N		<a href="#">CarportSpaces</a>	The number of carport spaces included in the sale.	Property Resource,Structure Group	Number	14	
Y	City	<a href="#">City</a>	The city in listing address.	Property Resource,Location Group,Address Group	String List, Single	50	



# Benefits of Aoption



- When working with other 3<sup>rd</sup> parties, having standards that everyone is following streamlines the process.
- As an example, the NEREN MLS recently implemented RESO Power Production fields with the specific purpose of allowing for Auto-Population of that data from a 3<sup>rd</sup> party.
- With all parties using the same data standards, it eliminated the need for data mapping beyond initial import
- Also sped up the time to complete the auto-pop process; hours instead of weeks

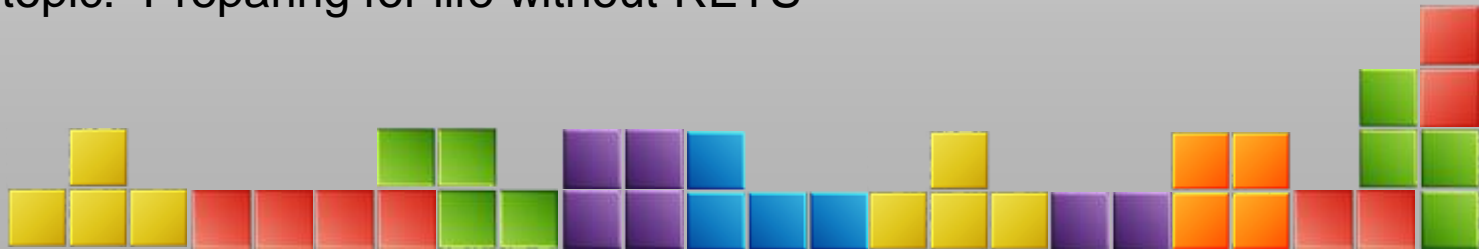




# MLS Challenges



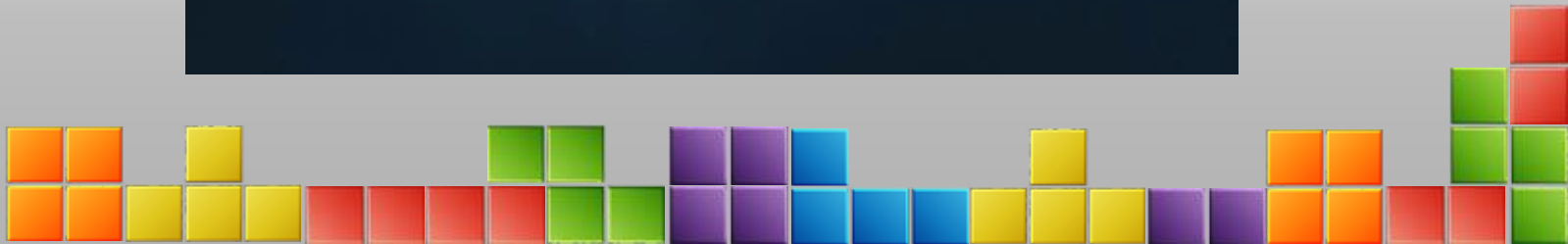
- Vendors RETS Servers are not certified at the highest level
- API is certified at the highest level but do not contain MLS local fields
- Without local fields, the API will not be used by vendors
- Industry topic: Preparing for life without RETS







**YOU'VE GOT TO BE  
FORWARD-THINKING  
TO STAY AHEAD OF THE  
GAME.**



# API Comparison

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	Spark	Bridge	MLS Grid	Spring	PIC	AMP	Trestle
<b>Deal Breakers</b>							
Does your API offer highest level RESO certification available ?							
Can you provide vendors with a RESO compliant API?							
Do you support the inclusion of non-RESO (MLS local) fields in your API?							
<b>Available Data</b>							
How quickly do you bring the API into compliance with the latest RESO Data Dictionary after it is published?							
Do you support the inclusion of all property classes in your API?							
Do you support the inclusion of non-listing non-Agent/Office fields in your API? Ex. Saved Searches, Contacts, Likes and/or favorites?							
Do you support the inclusion of Open House/Broker Open House fields in your API?							
Do you support the inclusion of Documents in your API?							
Do you support the inclusion of Virtual Tours in your API?							
<b>Payloads</b>							
Is there a limit to the MLS to the number of payloads that can be provided via the API?							

- Search is on for an API solution that can support all MLS fields and all necessary payloads
- NEREN MLS completed a robust API product comparison asking the same 45 questions to vendors of 7 available API solutions to find a suitable alternative.

# SPEAKER

# BIO PAGE

## Greg Moore| VP Technical Systems

Greg has been involved in Real Estate Technology for 32 – years and at RMLS for 16. As Vice President of Technical Systems, he provides leadership and general oversight of RMLS' technological goals and activities. He facilitates the technical requirements for data processing, hardware services, network communications, and management information services to accomplish the company's goals and objectives.



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**Phone:** 503-872-8025



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# Aligning our Native DB to the DD

- Mapping to the DD with Excel

Table	Column Name	System Name	S H O W X	ST D	Standard Name V1P4
Propmain	LISTING_ID	ListingID	X	X	ListingId
Propmain	ACCESSIBILITY_YN	AccessibilityYN	X		
Propmain	ACRES	Acres	X	X	LotSizeAcres
Propmain	APN	TaxID	X	X	ParcelNumber
Propmain	APN2	TaxID2	X		
Propmain	APN3	TaxID3	X		
Propmain	AREA	Area	X	X	MLSAreaMajor
Propmain	BAC	BuyerAgencyCompensation	X	X	BuyerAgencyCompensation
Propmain	BAC_TYPE	BuyerAgencyCompensationType	X	X	BuyerAgencyCompensationType
Propmain	BANK_OWNED_YN	BankOwnedYN	X	Z	
Propmain	BANKRUPTCY_YN	BankruptcyYN	X	Z	
Propmain	BATHS_FULL	BathsFull	X	X	BathroomsFull
Propmain	BATHS_PART	BathsPartial	X	X	BathroomsPartial
Propmain	BATHS_TOT	BathsTotal	X		
<PropMain>	BATHS_TOTAL_INTEGER	BathsTotalInteger	X	X	BathsTotalInteger
Propmain	BDRMS	Beds	X	X	BedroomsTotal
Propmain	CCR_YN	CCandRYN	X		
Propmain	CDOM	CumulativeDaysOnMarket	X	X	CumulativeDaysOnMarket
Propmain	CITY_ID	City	X	X	City
Propmain	COUNTY_ID	County	X	X	CountyOrParish
Propmain	DATE_COE	DateClose	X	X	CloseDate
Propmain	DATE_CONT	DateContingent	X		
Propmain	DATE_EXP	DateExpiration	X	X	ExpirationDate
Propmain	DATE_HS	DateHotSheet	X		
Propmain	DATE_LIST	DateList	X	X	OnMarketDate
Propmain	DATE_OFF	DateOffMarket	X	X	OffMarketDate



# Create DD Compliant Data Image

Transpose Native DB to RESO Standard Names in SQL Views

```
ALTER VIEW [dbo].[ResoPropmain]
```

```
AS  
SELECT
```

--Standard Names

pm.Listing_ID	AS	ListingKey,
pm.HOA_AMT	AS	AssociationFee,
pm.HOA_DUE_PER	AS	AssociationFeeFrequency,
pm.BATHS_FULL	AS	BathroomsFull,
pm.BATHS_PART	AS	BathroomsPartial,
pm.BATHS_TOT	AS	BathsTotalInteger,
pm.BDRMS	AS	BedroomsTotal,
pm.SQFT_SOURCE	AS	BuildingAreaSource,
pm.SQFT	AS	BuildingAreaTotal,
pm.BAC	AS	BuyerAgencyCompensation,
pm.BAC_TYPE	AS	BuyerAgencyCompensationType,
pm.S_AG1_EMAIL	AS	BuyerAgentEmail,
pm.S_AG1_NAME	AS	BuyerAgentFullName,
pm.S_AG1_ID	AS	BuyerAgentMlsId,
pm.S_OFF_NAME	AS	BuyerOfficeName,
pm.S_OFF_PHONE	AS	BuyerOfficePhone,



FEAT_ID	SHORT_DESC	FULL_DESC	RESO_DESC
919	2NDKIT	2nd Kitchen	Kitchen 2
422	POW-AVL	Power Available at Property Line	Electricity Available
423	POWER	Power	Electricity Connected
454	ROD+1	Deed Recording + 1 Day	Close Plus 1 Day
475	SEPTIC	Septic	Septic Tank
514	SUBJTEN	Subject to Tenancy	Subject To Tenant Rights
525	SWR-AVL	Sewer Available at Property Line	Sewer Available
752	4TH-BD	4th Bedroom	Bedroom 4
753	MSTBATH	Master Bath	Master Bathroom
622	BAY	Bay	View of Bay
1026	2NDMSTR	2nd Master Bedroom	Master Bedroom 2
1030	LEEDHMS	Leed Homes	LEED For Homes
1032	NGBS-WH	NGBS Whole Home Remodel	NGBS Whole-Home Remodel
256	GRAVEL	Gravel	Tar/Gravel

# SPEAKER

## Rob Larson| CIO

Rob has 14 years with CRMLS; graduated from the Grove School of Music, majoring in Composition and Arranging; and has over 25 years in Information Technology.

Rob is an original architect of CARETS (California Real Estate Technology Services), [www.ca-rets.com](http://www.ca-rets.com); an author of NAR's Green the MLS Toolkit, [www.greenthemls.org](http://www.greenthemls.org); the Treasurer for Build it Green, [www.builditgreen.org](http://www.builditgreen.org); on the Board of Trustees at Carden Arbor View School; a partner in the US Department of Energy's Home Energy Accelerator Program, <https://betterbuildingssolutioncenter.energy.gov/accelerators/home-energy-information>; and he is the Chair and Editor of the Real Estate Standards Organization's (RESO) Data Dictionary.



# BIO PAGE



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# RESO Wiki

For the wiki, <http://ddwiki.reso.org>

Select the current versions (older versions are below on that first page)

❗ Data Dictionary 1.6 has just been approved and released for public view

**The [Data Dictionary 1.6 Wiki](#) can be found [here](#).**

The RESO Data Dictionary 1.6 has been approved (Aug 4, 2017) and now the official most current and up to date RESO Data Dictionary version. Previous versions are listed below.








Once in the current version:

1. Check out the introduction and Terms & Definitions pages to learn more about the dictionary.
2. use the search at the top right, or expand the hierarchy below the search to view fields in categorized groups.


- > Data Dictionary v1.6 Introduction
- > Property Resource
- > Property Type Summary
- > Member Resource
- > Office Resource
- > Contacts Resource
- > ContactListings Resource
- > ContactListingNotes Collection
- > Media Resource
- > HistoryTransactional Resource
- > InternetTracking Resource
- > OpenHouse Resource
- > OUID Resource
- > PropertyGreenVerification Collection
- > PropertyPowerProduction Collection
- > PropertyRooms Collection
- > PropertyUnitTypes Collection
- > Prospecting Resource
- > SavedSearch Resource
- > Showing Resource
- > TeamMembers Resource
- > Teams Resource
- > Lookup Fields and Values

 RESO Data Dictionary Wiki v1.6

**RESO Data Dictionary Wiki v1.6**

Created by RESO DD Workgroup, last modified by Robert Gottesman on Aug 07, 2017

**Data Dictionary 1.6**

 **Welcome to the RESO Data Dictionary Wiki**

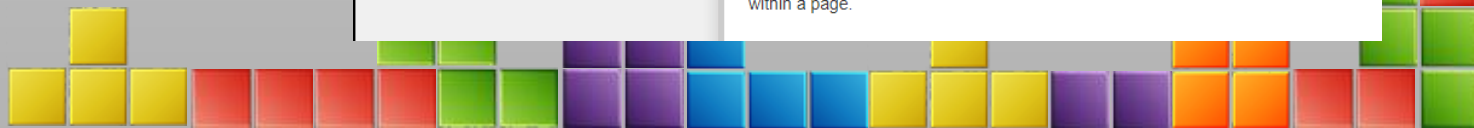
This is the Real Estate Standards Organization (RESO) Data Dictionary Wiki Home Page for Data Dictionary 1.6. Please feel free to browse and get acclimated to terms and fields relating to the transmission of real estate data. To leave a comment you can click on 'comment' link at the bottom of each page, or better yet, join our growing ranks as a RESO member an really make a difference.

To learn more about this wiki and RESO please follow this link [Data Dictionary v1.6 Introduction](#)

Data Dictionary 1.6 Approval Date: August 4, 2017

**The best way to get started**

After reviewing [Data Dictionary v1.6 Introduction](#), the best way to get started is to familiarize yourself with the navigation bar (*on the left*) and the groupings, specific field of interest or a lookup value. Sooner or later you will find your way into a detail page about your scope of interest including a definition, attributes and how it integrates into real estate information. Click on [Data Dictionary Terms and Meta Definitions v1.6](#) for additional information on the meaning of terms within a page.





# RESO Wiki – Questions & Comments

At the bottom of every definition page, there is a “Questions/Comments?” button.



Questions/Comments?

After completing the subsequent form, information about the field or enumeration page you were on when you clicked “Questions/Comments” along with any other info you type will be sent into RESO for review by the Data Dictionary Workgroup.



Please fill in your info and your feedback:

Your Name: \*

Your Email: \*

Your Organization:

Your Phone:

Subject: \*

Your Message: \*





# Confluence



The RESO Workgroup Collaboration System, aka “Confluence”, requires RESO membership and a login. <http://members.reso.org>.

After login, select Data Dictionary from the navigation options on the right hand side.



## Navigate Between Workgroups

- Board Liaison Committee
- Broker Advisory Group
- **Data Dictionary**
- Event Catalog
- Internet Tracking





# Confluence - Discussions



Scroll down the page to see the workgroup discussion topics:

Status	Topic	Author	# of Replies	Last Activity Date
	OfficeBrokerMlsId Definition Update	 Rob Larson	0	Mar 22, 2018
	Queue Resource	 Rob Larson	8	Mar 15, 2018
	MemberStateLicenseState	 Gayle Ludemann	28	Mar 15, 2018





- You can start your own topic, or ask Rob, or RESO staff, for assistance starting a topic.
- If you have more than one topic, a separate entry is required for each topic.
- Before adding any subject to the workgroup meeting agenda, that topic must first be added to Confluence.





# Confluence - Collaboration

Come to Confluence regularly to review and participate in the on line discussions by adding your own notes/comments.

 **David Williamson**  
For FMLS, this would be more inline with who, in addition to the listing agent, would have access to edit the listing as well as view data that only the listing agent is able to see (i.e. expiration date). This person may not be the co-list, but more of a team assistant who handles listing data for a team of agents.  
Reply • Like • Jan 25, 2018

 **Rob Larson**  
You could use this field to make that distinction in your rules. We're looking at using it for rules/security around the team members in addition to it being a simple label about the individual's role.  
Reply • Edit • Delete • Like • Feb 01, 2018

 **Liz Tewksbury**  
For those teams who have member that wear multiple hats, or perhaps don't divide specific responsibilities in this manner perhaps a generic option of simple "Member" would be a good addition.  
Reply • Like • Feb 02, 2018

 **Rachel Wiest**  
I agree with Liz. Folks on teams often share tasks and take turns. The generic member seems most realistic for most teams in our market.  
  
If you want specific names you could consider "Seller/Buyer Liaison"  
Reply • Like • Feb 02, 2018



Write a comment...



# Workgroup Navigation



On the left hand side, select “DD Call Agenda and Notes” to review the work and decisions made by the workgroup.

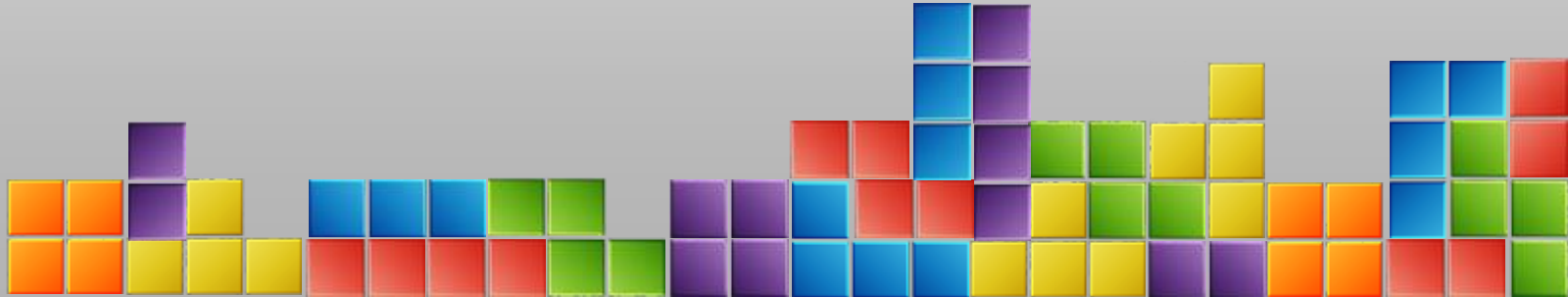
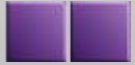
## Navigate Current Workgroup

- › DD Call Agenda and Notes
- › DD Files
- DD Members
- › DD Tasks
- Real Estate Business Rules
- File lists





# Questions?





Thank You,

Everyone!

