



# RESO Web API: How to Meet the June 30<sup>th</sup> Mandate



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# RESO Corporate Overview

- Vision: A streamlined real estate technology industry
- Mission: To create and promote the adoption of standards that drive efficiency throughout the real estate industry
- Non-Profit membership based organization with over 500 members comprising of N.A.R., Brokerages, AOR/MLS Organizations, Technology Partners, and other non-profit entities such as the Council of MLS
- RESO provides certification services and professional guidance to ensure correct standards adoption and implementation



# RESO Standards Overview

- RESO's work product are Technical Data Standards
  - Transportation Standards – RETS, Web API
  - Data Definition Standards – RESO Data Dictionary
- RESO Standards are Free, Open Source
- Standards are created through Members' Only Volunteer Committees & Workgroups
- RESO Needs **Your Help** through Standards Participation and Industry Adoption



# Why Standards Matters - The Broker Perspective

- The Biggest Broker Challenge: Inconsistent Data Fields and difficulty with MLS Data Feeds
- 90% feel it is **very** important that MLSs offer consistent sets of data fields
- 85% believe if Technology Partners had consistent data flowing across MLSs:
  - Technology Costs go down
  - Focus moves to technology innovation
  - Bug Fixes are faster to implement
  - Enhancements are faster to market
  - Quicker Response Time





# Why Standards Matters - The Broker Perspective

- “Standards make everything more efficient which can only create cost savings and increase speed of deployment of listing data.”
- “The industry as a whole has a track record of not responding to change in a cohesive way. If RESO can help shape a cohesive response going forward it's potentially huge.”



# The RESO Web API



# What is an API?

- Simplistically, an Application Programming Interface is a set of requirements that govern how one application can talk to another
- APIs are what makes it possible to move information between programs
- APIs make it possible for services to allow other apps to “piggyback” on their offerings.
  - Words with Friends allows inviting users to play through Facebook Contacts
  - Yelp displays nearby restaurants on a Google Map within its own App
  - MLS Systems display Google and Bing Map locations of homes, provide WalkScore information and integrates tax data into the property record through APIs
- For MLSs, an API can eliminate the need to copy listing information from the MLS source out to other servers, paving the way for the MLS to be the original and only source of the data

# The RESO Web API – What and Why

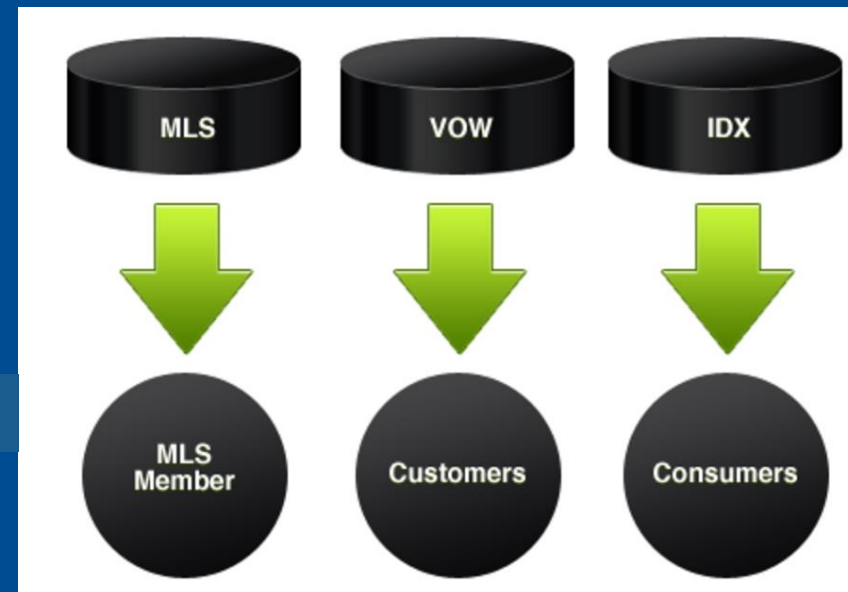
- RESO Web API Standard is the latest in data transportation technologies leveraging Global Technology Standards utilizing OData and OpenID Connect
  - OData simplifies the sharing of data across disparate applications and multiple users for re-use across the Internet, Cloud and on Mobile Devices
  - OpenID Connect provides authentication which allows users to authenticate securely without the developers having to manage passwords
- Lightweight and designed to support product features and functions in a mobile environment without MLS data replication
- Provides a faster and less expensive implementation model for products and services utilizing MLS Data
- Delivers efficiencies in the collection and use of MLS data by participants, vendors and MLSs
- Supports enhanced data delivery such as Listing Tracking Information



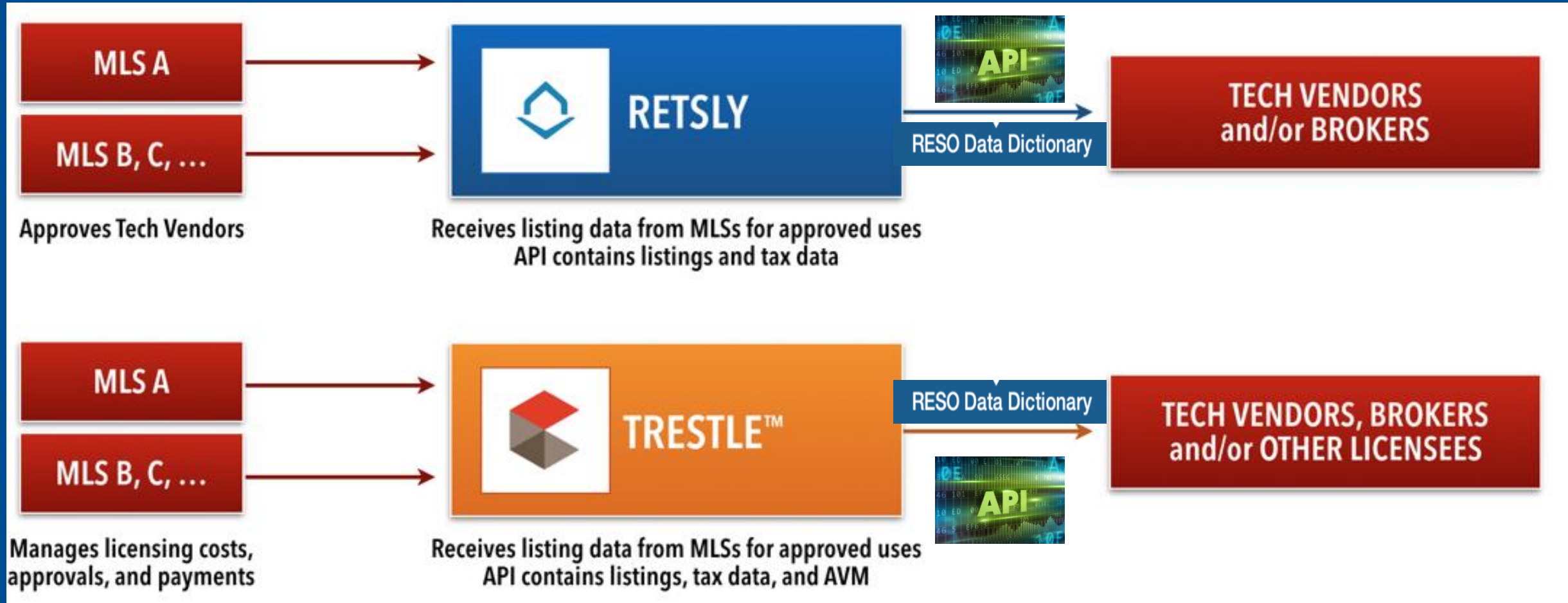
# RESO Standards in Real World Technology



RESO Data Dictionary



# RESO Standards in Real World Technology



# The RESO Web API – N.A.R. Policy Reminder

- N.A.R. MLS Policy 7.90
  - All REALTOR® owned or affiliated Multiple Listing Services **must** “implement the RESO Standards including: The RESO Web API by **June 30, 2016**”
  - Compliance with this requirement can be demonstrated using the RESO Compliance Certification process
- RESO certifies the MLS directly on the RESO Web API:  
<http://reso.org/certification>
- MLS Technology Provider who acquires RESO Web API Certification does not extend certification coverage to the individual MLS



# The RESO Web API – N.A.R. Policy Deadline

- Official Messaging from the National Association of Realtors regarding the June 30, 2016 standards adoption policy deadline for the RESO Web API
- There will be a 45 days non-formalized grace period to handle scheduling and timing issues related to conformance.
- Our focus is not on consequences but on supporting implementation and working directly with MLSs to address obstacles.
- Only those REALTOR® associations and REALTOR® association-owned MLSs that are in compliance with mandatory NAR policies are eligible to receive coverage from the NAR-provided insurance policy.
- In addition, association charter revocation is always a potential consequence of failure to comply with any mandatory NAR policy.



# The RESO Web API – Steps for Certification

- The RESO Board of Directors has just approved that initial RESO Web API Certification for all RESO members who are current on their Data Dictionary Certification will be **FREE**.
- There will be a RESO driven automated process for those who qualify for the free certification
- The standard RESO Certification Fee Schedule and Application Process applies to non-members and those not actively certified on the RESO Data Dictionary



# Certification Process for RESO Members with Data Dictionary Certifications

1. Contact your MLS Vendor and ensure they are working on implementing the RESO Web API and check with them on timing
2. RESO will work directly with your MLS Vendor to obtain credentials and certify your RESO Web API Adoption Automatically!
3. RESO will Email you a notice of status along the way, success, a formal certificate and also publish on <http://reso.org/certificates>
4. Tout your compliance, publish the RESO Certified Logo on your website!
  - Feel free to email [certification@reso.org](mailto:certification@reso.org) at any time for status
  - During your certification term, if you change product vendors please contact RESO for re-certification



# Direct MLS Technology Providers Coordination

- RESO has already reached out to the following MLS Technology Providers for those that are RESO Members and Data Dictionary Certified



# Standard Certification Process

1. Contact your MLS Technology Provider and ensure they are working on implementing the RESO Web API and check with them on timing
2. Apply for Certification at <http://reso.org/certification> and pay the certification fee associated with the application details
3. RESO will run the appropriate tests and work in conjunction with you and the MLS technology provider until the certification process is completed successfully
4. Electronically Sign the certification trademark agreements (optional)
5. RESO will Email you a notice of status along the way, success, a formal certificate and also publish on <http://reso.org/certificates>
6. Tout your compliance, publish the RESO Certified Logo on your website!
  - During your certification term, if you change product vendors please contact RESO for re-certification





# Resources for further Information

- BLOG: RESO Makes it Free: Are you RESO Web API Certified? <http://www.reso.org/reso-makes-it-free-are-you-reso-web-api-certified/>
- Instructions: Web API Certification - <http://www.reso.org/web-api-certification/>
- Apply for any RESO Certification - <http://www.reso.org/certification/>
- Download the RESO Web API Standard - <http://www.reso.org/reso-web-api/>
- Apply for RESO Membership – <http://reso.org/join>
- Register for the RESO Fall Conference “Accelerating the Reach of Data Standards, October 24<sup>th</sup> - 26<sup>th</sup>, Nashville, TN - <http://www.reso.org/fall-mtg/>

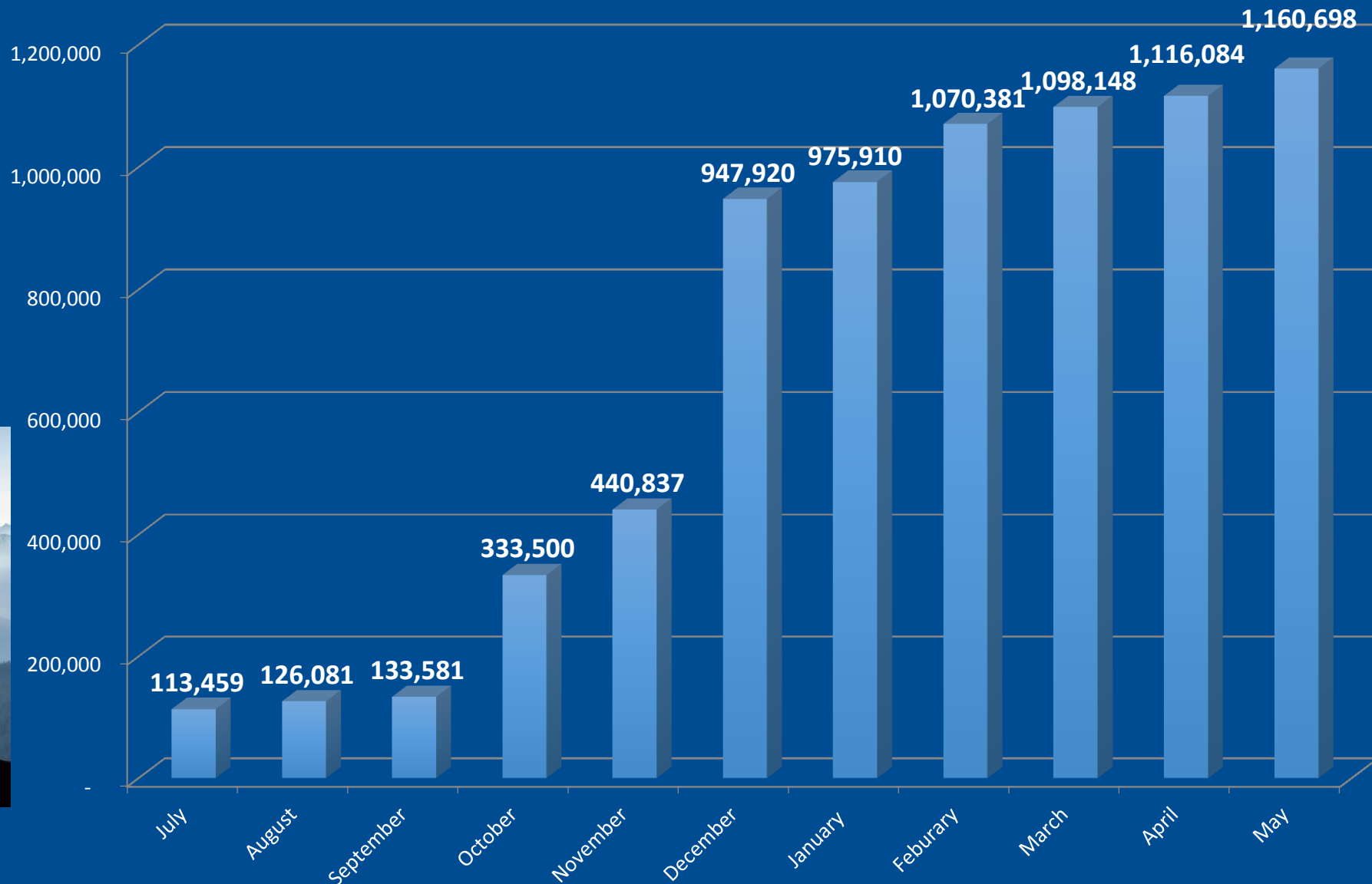


# IMPOSSIBLE



## Can we do it? History says Together, Absolutely!

Over 525 MLS  
Organizations  
representing over  
1,160,000 Subscribers  
are RESO Data  
Dictionary Certified!



# RESO Industry Experts

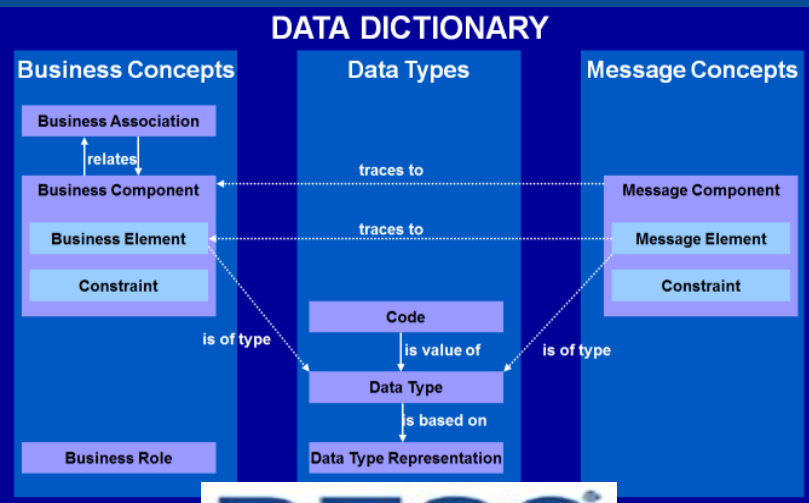
- MLS and MLS Technology Provider's insights and expert opinions into RESO Standards, the RESO Web API, industry best practices surrounding the adoption of standards and the promotion of use of RESO standards in products and services



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API

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