Welcome to the 2018 RESO Spring Technology Summit!

Jeremy Crawford
Chief Executive Officer
Real Estate Standards Organization

IT’S GAME ON FOR DATA STANDARDS!
CONFERENCE WIFI INFORMATION

Wireless Network
Hilton Honors Conference
Password
RPR2018
Follow us @RESO and spread the word that you are committed to the industry!

Also "Check In", tag others, share quotes and takeaways and use the hashtag #RESO18 on Facebook, LinkedIn and Instagram, too!

Let others know how engaged you are in the Standards creation process and the success of the real estate industry!
Thank you for sponsoring the Welcome Reception & Game Night!
2018 Spring Technology Summit

#RESO18

 PLATINUM
 Conference Sponsor

realtor.com®
GOLD
Conference Sponsors

CoreLogic
Auth0
Zillow GROUP
RE/MAX

#RESO18
SILVER Conference Sponsors
2018 Spring Technology Summit

#RESO18

**BRONZE**

Conference Sponsors

- dynaConnections Corporation
- Homes.com
- Lone Wolf Technologies
- AUSTIN Board of REALTORS®
- Quantum Digital
- CRS Data
- flexmls
Prize Donations
Provided by:
Access the Conference App!

Download the *Conference Mobile App* to access the agenda, presentations and more by searching for **RESO Conferences** at:

- [App Store](https://apps.apple.com)
- [Google Play](https://play.google.com)

And, access the **Conference App Online** at [http://reso.eventpedia.us/](http://reso.eventpedia.us/)

Take advantage of the App features to communicate directly with attendees, set up vendor meetings, receive push notifications and more
Today’s Agenda Highlights

#RESO18

- General Session 9:00am-3:15am
- Lunch 12:30pm-1:30pm: Four Square Ballroom
- Research & Development Workgroup 3:15pm-5:00pm
- Transport Workgroup 3:15pm-5:00pm

- Reception & Event 5:30pm-10:00pm Colorado Rockies vs. San Diego Padres sponsored by Realtor.Com
Take Me Out to the Ballgame

If you registered for the event, tickets MUST be picked up from the registration desk between 12:00 and 5:00 Tuesday.

Shuttles depart at 5:30 and 6:00 p.m. for the game!
Register Today!

https://reso.org/fall-mtg/
2018 Board of Directors

#RESO18

- Art Carter – Chair
- Michael Wurzer – Vice-Chair
- Richard Renton – Treasurer
- Tim Dain – Secretary
- Mark Lesswing
- Todd Carpenter
- Ethan Bailey
- Chip McAvoy
- Scott Woodard
- Brian Donnellan

- Chris Carrillo
- Steve Byrd
- Jeff Young
- Curt Beardsley
- Suzanne Mueller
- Alon Chaver
- Paul Boomsma
- John De Souza
- Tom Flannagan
- Tim Ford – Board Advisor
Rob Larson (CRMLS) – Data Dictionary
Chris Lambrou (MetroMLS) – Internet Tracking
Rick Trevino (Metrolist MLS) – Payloads
Mark Bessett (CRMLS) – Universal Property ID
Greg Moore (RMLS – Portland) – Research & Development
Paul Stusiak (Falcon Technologies) & Scott Petronis (eXp Realty) – Transport Web API
Mark Lesswing (N.A.R.) – Event Catalog*
David Gumpper (Gumpper Group, WavGroup) – Broker Advisory Group*
Jeremy Crawford (RESO) – Board of Directors Liaison Committee
Greg Lemon (RESO) – Certification Committee
*Denotes new Workgroups for 2018
2018 RESO Staff

Jeremy Crawford
CEO
858.775.2368
jeremy@reso.org

Suzanne Biegenzahn
Chief Administration Officer
919.964.5605
Suzanne@reso.org

Gregory Lemon
Certification Project Manager
Greg@reso.org

Karen Dupriest
Director of Project and Product Management
858.461.9661
Karen@reso.org

Teresa Paul
Membership and Marketing Manager
919.649.9007
teresa@reso.org
RESO Supporting Staff

Jorge Pires
Web Consulting
San Diego, CA

JoAnn Petilli
Meeting and Project Manager
919.459.8584
joann@imiae.com

Jadine Sturgill
Administrative Manager
919.459.6097
jadine@imiae.com
RESO State of the Standard Update

2017 Strategic Accomplishments
Jeremy Crawford
Chief Executive Officer - RESO

2018 Strategic Objectives
Art Carter
Chair - RESO
Chief Executive Officer - CRMLS
How Fast We Are Moving

- Telephone: 75 years
- TV: 38 years
- Internet: 13 years
- Facebook: 3.5 years
- Email: 3 years
- AOL: 2.5 years
- iPhone app: 50 days
- Draw: 35 days

It took about 75 years for the telephone to connect 50 million people. Today a simple iPhone app like Draw can reach that milestone in a matter of days. In the past 10 years the rate of adoption of new technologies has accelerated at a dizzying speed. Can we keep up with it all?

by G. Kofi Annan / @gkofiannan / gkofiannan.com
# RESO 2017 - 2018 Strategic Plan

## Aims of Strategic Plan

- To create and promote the adoption and utilization of standards that drive efficiency throughout the real estate industry.

## Key Objectives

### Adoption & Utilization

- Continuously evaluate, improve, and maintain compliance.

### Collaboration & Business Growth

- Transparent, Innovative, Open, Inclusive, Measurable.

### Leadership & Marketing

- Proactively align with stakeholders and stakeholders to evolve technology solutions.

## Implementation

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017-01</td>
<td>Launch of new technology platform</td>
</tr>
<tr>
<td>2017-06</td>
<td>Integration with existing systems</td>
</tr>
<tr>
<td>2018-03</td>
<td>Rollout to key stakeholders</td>
</tr>
</tbody>
</table>

## Milestones

- [ ] Milestone 1: Implementation Plan
- [ ] Milestone 2: Technology Adoption
- [ ] Milestone 3: External Collaboration

## Resources

- Technology Roadmap
- Stakeholder engagement plan
- Compliance monitoring system

---

*Note: This is a sample strategic plan outline. Actual content may vary based on the specific needs and goals of the organization.*
Major MLS & Tech Companies Represented

- DELTA Media Group
- Homes.com
- Auth0
- rentspree
- ShowingTime
- RPR
- myTheo
- CoreLogic
- LONE WOLF TECHNOLOGIES
- homesnap
- dyna Connections CORPORATION
- smartzip
- restb.ai
- zipLogix
- Zillow
- WOLFNET
- flexmls
- remine
- DocuSign
- realtor.com
- TERRADATUM
- BLACK KNIGHT

Centralized Showing Service
Over 1000 Certifications Awarded since Jan 1st, 2017 (687 DD, 320 API)

#RESO18

Organizations Data Dictionary Certified by Level

Organizations Web API Server Certified by Level
RESO Standards & Tools Released

#RESO18

- RESO Data Dictionary Version 1.6 officially released August 4\textsuperscript{th}, 2017 with over 225 new fields, 625 new values, the largest version ever released

- RESO Web API Version 1.0.3 officially released December 19\textsuperscript{th}, 2017

- RESO Universal Property ID Specification officially released December 19\textsuperscript{th}, 2017

- RESO Real Estate Business Rules (REBR) Language officially released as a best practices guide for exposing MLS business rules October 16\textsuperscript{th}, 2017

- RESO Web API Open Source Client Libraries in .NET and PHP platforms

- Updated Organizational Unique ID (OUID)
Homes.Com Case Study Reveals the Business Value of RESO

A Bold Move: How RMLS Converted all its IDX Feeds over to RESO Standards

RESO Standards: Are they a Fair Tale or the Future? A MyTheo Case Study

These case studies and more success stories on utilizing RESO Standards available online at https://reso.org/reso-case-studies/

RESO Fall 2017 Data Competition: Real-World Cutting-Edge Innovations powered through RESO Standards Demonstrated: https://www.reso.org/fall-mtg/data-comp/data-comp-winners/
Home Energy Information Guide
Taking Verified Data Through The MLS To The Consumer

Created in Partnership
with
U.S. Department of Energy's
Home Energy Information Accelerator
by
Council of Multiple Listing Services
and
National Association of REALTORS®
Real Estate Standards Organization
GAME ON…

“I skate to where the puck is going
to be, not where is has been.”

– Wayne Gretzky
Under all is the land. Upon its wise utilization and widely allocated ownership depend the survival and growth of free institutions and of our civilization. REALTORS® should recognize that the interests of the nation and its citizens require the highest and best use of the land and the widest distribution of land ownership. They require the creation of adequate housing, the building of functioning cities, the development of productive industries and farms, and the preservation of a healthful environment.
Under all is the data. Upon its wise utilization and widely allocated ownership depend the survival and growth of free institutions and of our civilization. REALTORS® should recognize that the interests of the nation and its citizens require the highest and best use of the data and the widest distribution of housing data. They require the creation of adequate data standards, the building of functioning data repositories, the development of productive consumer facing technologies, and the preservation of a healthful environment for the exchange of data.
2018 Strategic Objectives
Data Dictionary Version 1.7

• Membership Management Data Standardization
• Lockbox Data Standardization
• Broker Data Standardization
• Resources to Support Listing Business Rules
• Expansion for Social Media Data
• Standard Names in Spanish
• Days on Market Standardization
• Expansion of Pick-List Values (Enumerations)
• Version 1.1 Release with Update Functionality
• MLS Business Rule Support
• Certification for Update Functionality
• Specification Enhancements and Improvements
• RESO Web API Client Certification Launch
• Open Source RESO Web API Client Libraries in Java, Python and enhancements to current .NET and PHP Libraries
#RESO18

- RESO IDX Payloads Version 1.5 and 1.6 with Certification
- RESO Universal Property ID Repository and Open Source Libraries
- Launch of Event Catalog and Broker Advisory Groups
- Platform Interoperability with supporting Expansion of Standards
- Industry wide adoption and utilization white papers, best practices and case studies
- Internet Tracking Fields and Functionality Expansion
- RESO Organizational Github Repository Launch: https://github.com/RESOStandards/