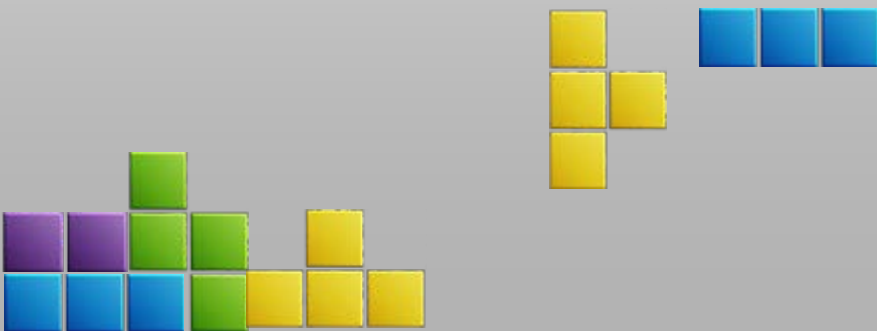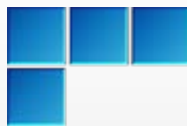# RESO®

2018 Spring Technology Summit

Expanding and Launching Profitability through RESO Standards

IT'S GAME ON FOR DATA STANDARDS!

BABY ON BOARD!

IDX PAYLOAD ON BOARD

History

♣ July 2016:   First Payload **Workgroup meeting**

♦ January 2017: Initial **219 IDX fields recommended** by the Data Dictionary Work Group

♠ October 2017: Property Resource IDX draft **Payload tagging completed**

IDX Payload Revealed

Why does IDX Payload Matter

As a Broker

Accurate, timely and detailed property data

Consistent Data stream across multiple markets

Improved efficiencies, reduced costs

As a MLS Vendor

Consistent Data stream

Defined fields

Develop functionality Provide Nulls, Only Metadata

As an MLS

Requirement (Endorsement) of DD 1.5 or 1.x Certification

Get ready now, as your IDX feeds will need to be updated!

As a IDX Vendor

Consistent Data stream   Validate Requestor

Well Defined fields   Validate Requestor Status

Attribution

IDX Payload Revealed

Specification items

Property Resources

- 157 tagged as "Yes", 219 possible fields (157/219)
- Each includes "Blank" and "Nullable" options
- Some fields are part of a "set"
- Fields *may* apply to all 9 property types

Other Resources
- Office (25/45)
- Member (24/70)
- Open House (20/28)
- Media (22/34)

248 Fields Tagged

IDX Payload Revealed

IDX Payload in DD Wiki

IDX Payloads Representation in DD Wiki

Created by Robert Gottesman, last modified on Apr 13, 2018

Background

The Payload workgroup has derived a much richer definition (e.g Business Rules) of how the DD Wiki should represent payloads (i.e. IDX) for DD Wiki 1.5. The DD Wiki 1.5 payload business rules and field assignments can be found in RESOIDXPayloadsWorkingWorksheet.xlsx created by @Rick Trevino.

The current set of business rules for DD Wiki 1.5 IDX payloads has 5 different possible combinations as illustrated in the table below. It is recommended we take those 5 business rules and give each rule a unique name which can then be easily represented in the DD Wiki, XML and XLSX files. The DD Wiki help page will also include a very rich definition of those 5 rules to make it clear to the reader how those rules should be applied.

Short Description	Long Description	Name
Yes	Field must exist, data is required in all listings, it is non-nullable/not-blank.	**IDX_Must**
Yes, Blank	The field must be part of the IDX Payload Metadata and if data exists it must be distributed, however, if data doesn't exist per listing then that is allowable.	**IDX_Blank**
Yes, Nullable Per MLS Business Rule	The Field must be part of the IDX Payload Metadata but the data can be **nullable or not exposed** on the distribution of the value at the discretion of the MLS based upon MLS business rules, licensing restrictions and/or federal/state/local regulations.	**IDX_Optional**
Yes, Nullable, **Not Blank** Per MLS Business Rule	The Field must be part of the IDX Payload Metadata but the data can be **nullable or not exposed (BUT NOT blank)** on the distribution of the value at the discretion of the MLS based upon MLS business rules, licensing restrictions and/or federal/state/local regulations. The single field that meets this requirement is *ListingContractDate*.	**IDX_NBlkOpt**
No	The Field is not included in the IDX Payload	*<<none>>*

**** The Name column above will be the value displayed in the Payload column for DD Wiki, XML and XLSX
**** The Payload value will also be a link to a page that shows all of the IDX Payloads for the resource in question (see below for examples)

IDX Payload Revealed
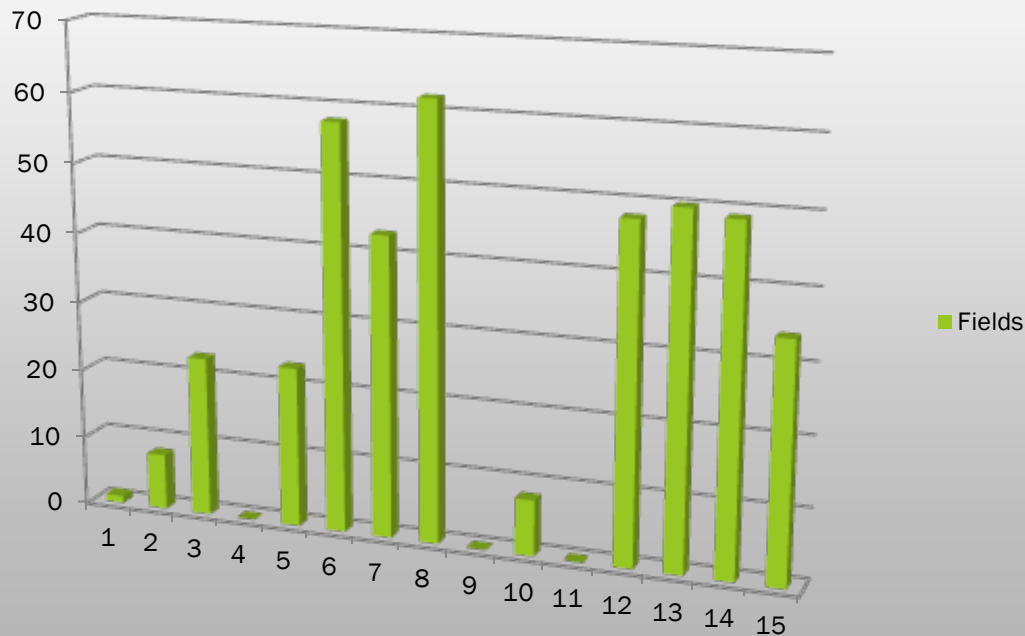
Business Use Case

♣ Challenges

♦ Benefits

WOLF**NET**®

Tentative Timeline

♦ April/May review and approve Endorsement Testing Rules

♠ Certification Committee - BOD

♥ June/July BOD Approves and Ratifies as new Standard

♣ MLSs have 1 year

♦ Certify on latest two versions

IDX Payload Revealed

Endorsement Testing Rules

2.6 Payload Endorsement Testing Rules

Created by Greg Lemon on Oct 23, 2017

RESO has defined Payloads as "Any number of fields representing the payloads found in RESO transports."

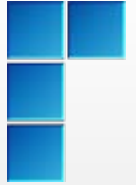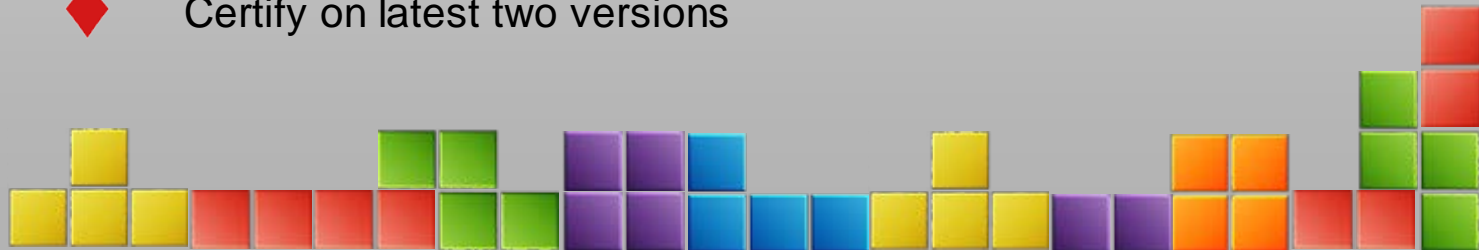A Payload Endorsement is an additional recognition (for those who have earned a Data Dictionary Certificate) demonstrating that a specific sets of fields are available in a data feed of the same name.

> *NOTE 0-1: A "certificate" refers to the whole Data Dictionary. An "endorsement" refers specifically to payloads. An applicant MUST receive a Data Dictionary Certification (at any level) BEFORE receiving an endorsement. An example could be an applicant receiving a "Data Dictionary 1.5.0 Gold Certificate with an IDX Payload Endorsement." When referring to the payload itself, it may be referred to as a "RESO Endorsed IDX Data Feed."*

The following are requirements for ALL Payload Endorsements.

REQ-DD151-PE-1: The Payload Endorsement requires access to a transport data structure a feed with payload-specific permissions. Separate server credentials configured for the payload feed MUST be provided during the application process.

REQ-DD151-PE-2: ALL Data Dictionary fields in a payload AND implemented in the applicant's full feed MUST be found in the applicant's payload data structure. An applicant MAY be able to receive a Payload Endorsement without adding every field defined in the Data Dictionary Payload. Additional non-payload fields MAY be present or searchable in the data feed as determined by the applicant.

> *NOTE 2-1: Payload fields are required in the applicant's IDX Payload ONLY IF it is also implemented in the applicant's full feed. This WILL apply to any fields the applicant does not have in the full feed used for Data Dictionary certification. (This is why Data Dictionary Certification MUST precede Payload Endorsements. Both feeds are required for comparison purposes.)*

Example 2-1: The following are **examples** of fields that **MAY NOT** be found in every IDX Payload:

- CoListAgent* / CoBuyerAgent: For those systems without "co-agent" fields
- WaterFront / WaterFrontFeatures: For landlocked MLS territories.
- StreetDirPrefix or StreetDirSuffix may not be needed based on the local address requirements.

IDX Payload Revealed

IDX Payload for DD 1.6

♦ 225 new fields to discuss/evaluate

♠ Estimating 5 months

♥ Same testing rules based1.5

♣ Fall RESO conference IDX Payload 1.6

♦ Repeat for IDX Payload 1.7
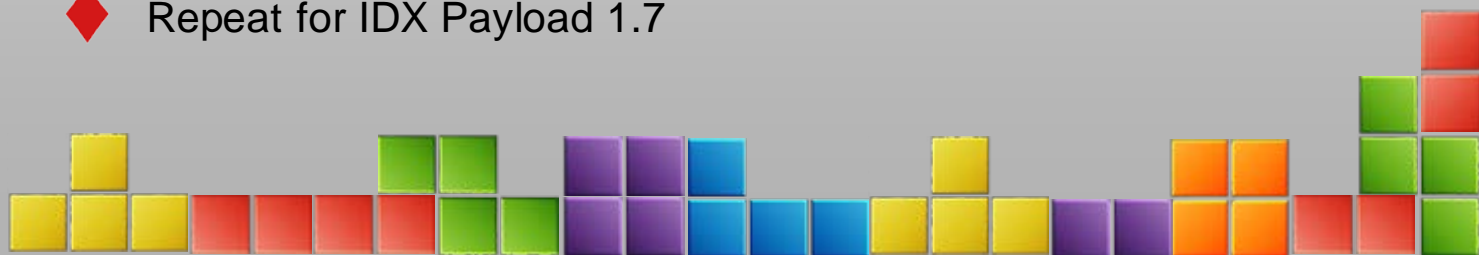
IDX Payload Revealed

IDX Payload Revealed

Property (part), Office (part)

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Property (part)

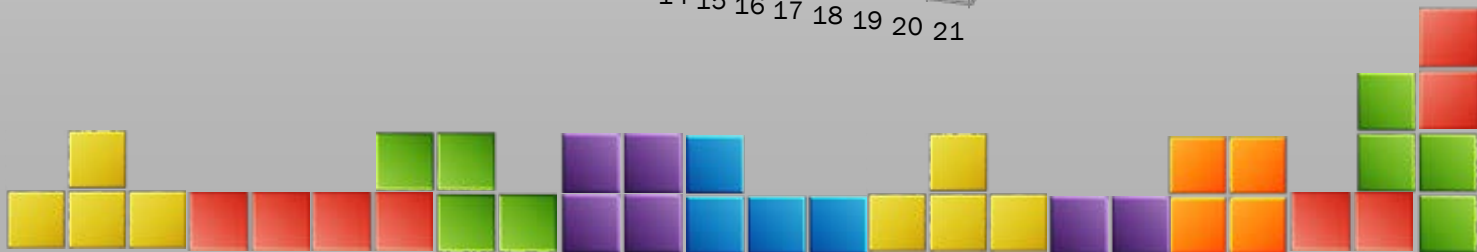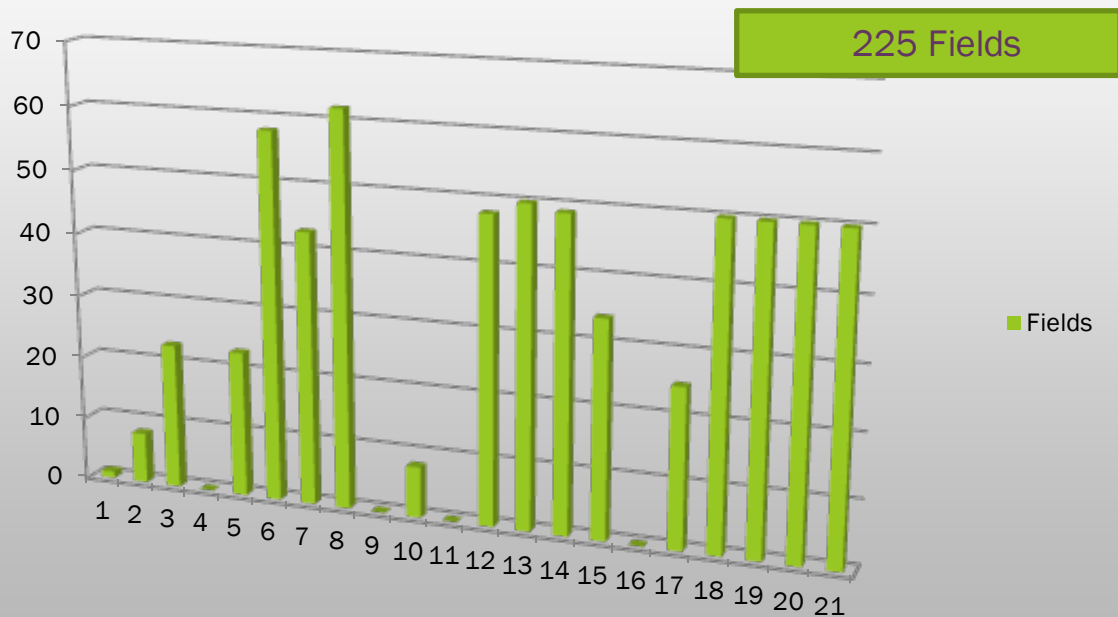| Standard Name	RESO Payload	Blank	Nullable	RESI	RLSE	RINC	LAND	MOBI	FARM	COMS	COML	BUSO
AccessibilityFeatures	Yes	X		X	X	X		X	X	X	X	
Appliances	Yes	X		X	X	X		X		X	X	
ArchitecturalStyle	Yes	X		X	X	X			X			
AssociationAmenities	Yes	X		X	X	X	X		X			
AssociationFee	Yes	X		X	X	X	X		X			
AssociationFeeFrequency	Yes	X		X	X	X	X		X			
AssociationFeeIncludes	Yes	X		X	X	X	X		X			
AssociationYN	Yes	X		X	X	X	X		X			
AttachedGarageYN	Yes	X		X	X	X			X			
Basement	Yes	X		X	X	X			X			
BathroomsFull	Yes	X		X	X	X			X			
BathroomsHalf	Yes	X		X	X	X			X			
BathroomsOneQuarter	Yes	X		X	X	X			X			
BathroomsPartial	Yes	X		X	X	X			X			
BathroomsThreeQuarter	Yes	X		X	X	X			X			
BathroomsTotalInteger	Yes	X		X	X	X			X			
BedroomsTotal	Yes	X		X	X	X			X			
BodyType	Yes	X						X				
BuilderName	No			X	X	X				X	X	
BuildingAreaTotal	No			X	X					X	X	
BuildingFeatures	No									X	X	
BusinessType	Yes	X								X	X	X
BuyerAgentFirstName	Yes	X	X	X	X	X	X	X	X	X	X	
BuyerAgentFullName	Yes	X	X	X	X	X	X	X	X	X	X	
BuyerAgentLastName	Yes	X	X	X	X	X	X	X	X	X	X	
BuyerAgentMlsId	Yes	X	X	X	X	X	X	X	X	X	X	
BuyerAgentStateLicense	No		X	X	X	X	X	X	X	X	X	
BuyerOfficeMlsId	Yes	X	X	X	X	X	X	X	X	X	X	
BuyerOfficeName	Yes	X	X	X	X	X	X	X	X	X	X	
BuyerTeamName	No			X	X	X	X	X	X	X	X	
CapRate	No					X				X	X	
CarportSpaces	Yes	X		X	X	X			X			
CarportYN	No			X	X	X			X			
City	Yes			X	X	X	X	X	X	X	X	X
CloseDate	Yes	X	X	X	X	X	X	X	X	X	X	
ClosePrice	Yes	X	X	X	X	X	X	X	X	X	X	

Office (part)

Standard Name	RESO Payload	Blank	Nullable
FranchiseAffiliation	No		
IDXOfficeParticipationYN	Yes	X	
MainOfficeKey	Yes	X	
MainOfficeKeyNumeric	Yes	X	
MainOfficeMlsId	Yes	X	
ModificationTimestamp	Yes		
OfficeAOR	No		
OfficeAORMlsId	No		
OfficeAORkey	No		
OfficeAORkeyNumeric	No		
OfficeAddress1	Yes	X	
OfficeAddress2	Yes	X	
OfficeAssociationComments	No		
OfficeBranchType	No		
OfficeBrokerKey	Yes	X	
OfficeBrokerKeyNumeric	Yes	X	
OfficeBrokerMlsId	No		
OfficeCity	Yes	X	
OfficeCorporateLicense	No		
OfficeCountyOrParish	No		
OfficeEmail	No		
OfficeFax	No		
OfficeKey	Yes	X	
OfficeKeyNumeric	Yes	X	
OfficeManagerKey	No		
OfficeManagerKeyNumeric	No		
OfficeManagerMlsId	No		
OfficeMlsId	Yes	X	
OfficeName	Yes	X	
OfficeNationalAssociationId	No		
OfficePhone	Yes	X	
OfficePhoneExt	No		
OfficePostalCode	Yes	X	
OfficePostalCodePlus4	Yes	X	
OfficeStateOrProvince	Yes	X	
OfficeStatus	Yes		
OfficeType	No		

Member, Open House and Media

IDX Payload Revealed

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IDX Payload Revealed

#	Standard Name	RESO Payload	Blank	Nullable
2	JobTitle	No		
3	LastLoginTimestamp	No		
4	MemberAOR	No		
5	MemberAORMlsId	No		
6	MemberAORkey	No		
7	MemberAORkeyNumeric	No		
8	MemberAddress1	No		
9	MemberAddress2	No		
10	MemberAssociationComments	No		
11	MemberCarrierRoute	No		
12	MemberCity	No		
13	MemberCountry	No		
14	MemberCountyOrParish	No		
15	MemberDesignation	No		
16	MemberDirectPhone	No		
17	MemberEmail	Yes	X	X
18	MemberFax	No		
19	MemberFirstName	Yes	X	
20	MemberFullName	Yes	X	
21	MemberHomePhone	No		
22	MemberIsAssistantTo	No		
23	MemberKey	Yes	X	x
24	MemberKeyNumeric	Yes	X	x
25	MemberLanguages	No		
26	MemberLastName	Yes	X	
27	MemberLoginId	Yes	X	X	x
28	MemberMiddleName	Yes	X	
29	MemberMlsAccessYN	No		
30	MemberMlsId	Yes	X	X	x
31	MemberMlsSecurityClass	No		
32	MemberMobilePhone	No		
33	MemberNamePrefix	No		
34	MemberNameSuffix	Yes	X	
35	MemberNationalAssociationId	No		x
36	MemberNickname	Yes	X	
37	MemberOfficePhone	No		

#	Standard Name	RESO Payload	Blank	Nullable
38	MemberOfficePhoneExt	No		
39	MemberOtherPhoneType	No		
40	MemberOtherPhone[Type]Ext	No		
41	MemberOtherPhone[Type]Number	No		
42	MemberPager	No		
43	MemberPassword	No		
44	MemberPhoneTTYTDD	No		
45	MemberPostalCode	No		
46	MemberPostalCodePlus4	No		
47	MemberPreferredPhone	Yes	X	X
48	MemberPreferredPhoneExt	Yes	X	X
49	MemberStateLicense	Yes	X	
50	MemberStateLicenseState	Yes	X	
51	MemberStateOrProvince	No		
52	MemberStatus	Yes		
53	MemberTollFreePhone	No		
54	MemberType	No		
55	MemberVoiceMail	No		
56	MemberVoiceMailExt	No		
57	ModificationTimestamp	Yes		
58	OfficeKey	Yes	X	
59	OfficeKeyNumeric	Yes	X	
60	OfficeMlsId	Yes	X	
61	OfficeName	Yes	X	
62	OriginalEntryTimestamp	No		
63	OriginatingSystemID	Yes	X	
64	OriginatingSystemMemberKey	Yes	X	
65	OriginatingSystemName	No		
66	SocialMediaType	No		
67	SocialMedia[Type]UrlOrId	No		
68	SourceSystemID	No		
69	SourceSystemMemberKey	Yes	X	
70	SourceSystemName	No		
71	SyndicateTo	No		

#	Standard Name	RESO Payload	Blank	Nullable
2	AppointmentRequiredYN	No		
3	ListingId	Yes		
4	ListingKey	Yes	X	
5	ListingKeyNumeric	Yes	X	
6	ModificationTimestamp	Yes		
7	OpenHouseAttendedBy	No		
8	OpenHouseDate	Yes	X	
9	OpenHouseEndTime	Yes	X	
10	OpenHouseId	No		
11	OpenHouseKey	Yes	X	
12	OpenHouseKeyNumeric	Yes	X	
13	OpenHouseRemarks	Yes		
14	OpenHouseStartTime	Yes	X	
15	OpenHouseStatus	Yes	X	
16	OpenHouseType	Yes	X	
17	OriginalEntryTimestamp	Yes	X	
18	OriginatingSystemID	Yes	X	
19	OriginatingSystemKey	Yes	X	
20	OriginatingSystemName	No		
21	Refreshments	Yes	X	
22	ShowingAgentFirstName	No		
23	ShowingAgentKey	Yes	X	
24	ShowingAgentKeyNumeric	Yes	X	
25	ShowingAgentLastName	No		
26	ShowingAgentMlsID	No		
27	SourceSystemID	Yes	X	
28	SourceSystemKey	Yes	X	
29	SourceSystemName	No		

#	Standard Name	RESO	Blank	Nullable
2	ChangedByMemberID	No		
3	ChangedByMemberKey	No		
4	ChangedByMemberKeyNumeric	No		
5	ClassName	No		
6	Group	No		
7	ImageHeight	Yes	X	
8	ImageOf	Yes	X	
9	ImageSizeDescription	Yes	X	
10	ImageWidth	Yes	X	
11	LongDescription	Yes	X	X
12	MediaCategory	Yes	X	
13	MediaHTML	No		
14	MediaKey	Yes	X	
15	MediaKeyNumeric	Yes	X	
16	MediaModificationTimestamp	Yes	X	
17	MediaObjectID	No		
18	MediaStatus	Yes	X	
19	MediaType	No		
20	MediaURL	Yes	X	
21	ModificationTimestamp	Yes	X	
22	Order	Yes		
23	OriginatingSystemID	Yes	X	
24	OriginatingSystemMediaKey	Yes	X	
25	OriginatingSystemName	No		
26	Permission	No		
27	PreferredPhotoYN	No		
28	ResourceName	Yes	X	
29	ResourceRecordID	Yes		
30	ResourceRecordKey	Yes	X	
31	ResourceRecordKeyNumeric	Yes	X	
32	ShortDescription	Yes	X	X
33	SourceSystemID	Yes	X	
34	SourceSystemMediaKey	Yes	X	
35	SourceSystemName	No		

♣ Review IDX Fields

♦ Prepare Null Fields

♠ Participation 90 minutes

♥ Endorsement for DD certification

♣ IDX PAYLOAD ON BOARD

IT'S GAME ON

TAKE AWAY GAME

MathFileFolderGames

IDX Payload Revealed

2018 Spring Technology Summit

Payload Workgroup Chair
Rick Trevino
Meet every fourth Thursday 11-12:30 PDT
Rick@MetroList.net

IDX Payload Revealed