QMS API 1.0.0 Data Dictionary

Quandis Data Services

October 2015

v 1.0.0

Notice

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Revision History

Date	Version	Description
2015-10-22	1.0.0	Created.
2015-10-27	1.0.1	Product Notification updates

Overview

This document serves as a data dictionary for QMS API 1.0.0 formats.

It is written for both prospective and new system integrators, consultants and other technical professionals interested in integrating with QMS.

Further information about QMS, including latest information, schemas, registration and the software development kit is all available via the web. Please contact services.support@quandis.com or the Quandis web site (available at http://www.quandis.com/).

Definitions

The following terms are referred to in this document.

Term	Definition
Client, Clients	Organizations requesting military search orders
Endpoint	Web service or HTTP receiver that is exposed by an organization to receive inbound data
QBO	Acronym for Quandis Business Objects. Generally refers to any module or component that has been created by Quandis.

QMS Specific Endpoints

The following endpoints are exposed by QMS for military search events:

Purpose	QMS Endpoint
Order Placement	https://uatscra.quandis.net/Military/Military.asmx/Search
Order Pickup (Polling)	https://uatscra.quandis.net/Military/Military.asmx/Pop

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Product	https://uatscra.quandis.net/Military/Military.asmx/Product
Order Request Validation	https://uatscra.quandis.net/Military/Military.asmx/Validate

Field Legend

Field	Description
Data Element	Name descriptor of field
Type	Enumerated. See Field Type
Size	Field length
Req	Enumerated. See Required Type
Notes	Description of field

Field Types

Type	Description
AN	Alpha Numeric
A	Alpha
N	Numeric
D	Date. All dates follow format YYYY-MM-DD
B	Boolean
E	Enumerated. See corresponding enumeration
Node	Node
Attribute	Attribute

Required Types

Type	Description
Y	Always required
N	Always optional

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CO	Conditionally optional

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Message Formats

Order Request

The order request format is used for order placement using the QMS API. All sub-options can be set in the client profile section under *API Order 1.0.0 Preferences* on the QMS website. This allows each API option to be defaulted to the profile setting if they are omitted from the API request.

Data Elements	Type	Size	Req	Notes
SCRARequest	Node		Y	Container for order request
Options	Node		Y	Root node for order options
IncludeCertificate	B		N	Include SCRA Certificate in product data
ImageOverlay	E		N	Certificate overlay format. Values: Standard
ImagePackage	E		N	Merges certificate images for permuatation and advanced searches. Enumerations: Party, Case, None
IncludeScreenshot	B		N	Toggle to include search criteria screen as part of certificate
ScreenshotMask	AN		N	SSN masking options for SCRA screenshot. See Screenshot Mask
NamePermutate	AN		N	Used to set permutation model. See Name Permutate
Transpose	B		N	Permutation option. Will transpose multipart names
MixedCaseSplit	B		N	Permutation option. Will detect and split up mixed case names for additional permutations.
ForceHypen	B		N	Adds Hyphens as name separators when generating permutations
ToggleMiddleName	B		N	Includes permutations with and without middle name when generating permutations and middle name provided
ForceHypen	B		N	Permutation option. Will inject a hypen in split names as additional permutations.
ProductType	AN		N	Product format. See Product Type
ProductDelivery	AN		N	Product delivery method. See Product Delivery
UserDefined	Node		N	Parent node for user defined options

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Option	Node		Y	Parent node for user defined key value pair
Name	AN	50	Y	User defined option name
Value	AN	255	Y	User defined option value
Contacts	Node		Y	Parent node for contacts being searched
ContactItem	Node		Y	Root node for Contact
ContactID	AN	255	N	Unique client identifier for contact
ContactType	E		N	Enumerated. See Contact Type
FirstName	AN	255	CO	First name of contact
MiddleName	AN	50	CO	Middle name of contact
LastName	A	255	Y	LastName of contact
USSSN	N	9	O	Social Security Number. Value can be 4 or 9 digits.
BirthDate	D		O	Birth date of party. Used as alternate to USSSN. If USSSN is provided omit BirthDate.
DateofInterest	D		N	Active Duty Status Date. If omitted, default will be today's date.
Address	AN	100	CO	Address of contact
City	AN	100	CO	City of contact
State	E	2	CO	Enumerated: State of contact represented by two digit state code.
PostalCode	AN	10	CO	PostalCode of party
UserDefined	Node		N	Parent node for user defined options of contact
Option	Node		Y	Parent node for user defined key value pair
Name	AN	50	Y	User defined option name

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Value	AN	255	Y	User defined option value

Order Request Acknowledgement

Data Elements	Type	Size	Req	Notes
ImportCollection	Node		Y	Parent container of acknowledgement
ImportFileID	Attribute, N		N	Quandis unique order identifier
Status	Attribute, E		Y	Order processing status. Enumerations: Error, Pre Validation, Validation Error
Success	E		Y	Used to indicate order has been successfully received. Enumerated: True, False
Exceptions	Node		N	Parent container for order processing exceptions. Exceptions are present during processing errors
Exception	Node		Y	Parent container for individual order exceptions
Type	AN	255	Y	Exception type
Severity	AN	E	Y	Exception severity. Enumerations: Error, Warning
Message	AN	T	Y	Exception message

Pickup Response

Data Elements	Type	Size	Req	Notes
Messages	Node		Y	Parent container
AvailableCount	Attribute		Y	Count of available messages
Exception	AN		CO	Optional tag rendering errors encountered. Tag is only rendered in the case of an error
Message	Node		CO	Rendered when a message is available
ID	Attribute		Y	Unique identifier for message represented as a GUID

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Exception	AN	CO	Optional tag rendering errors encountered during messages construction. Tag is only rendered in the event of an error.
SCRAResponse	Node	Y	Parent container of product data. See Product Data definition

Product Notification

The Product Notification is used in the product notification/pickup model.

Data Elements	Type	Size	Req	Notes
Pickups	Node		Y	Parent container for Pickups
Pickup	Node		Y	Parent node for individual pickup
ReadyDate	Date		Y	Date resource available for pickup
ResourceUrn	AN		N	URN for resource. Urn can be accessed using HTTP GET

Product Response

Data Elements	Type	Size	Req	Notes
Exception	AN		O	Optional tag rendering errors encountered during messages construction. Tag is only rendered in the event of an error.
SCRAResponse	Node		Y	Parent container of product data. See Product Data definition.

Product Data

Data Elements	Type	Size	Req	Notes
SCRAResponse	Node		Y	Parent container for SCRA response
ImportFileID	Attribute		Y	Quandis unique order identifier
Original	Attribute		Y	Count of original subjects submitted for searching
Permutations	Attribute		Y	Count of permutations created from search Count of permutations created from search

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Aliases	Attribute		Y	Count of aliases generated from search
SkiptraceAliases	Attribute		Y	Count of aliases generated from skiptrace lookup
SourceReferenceNumber	Attribute		Y	Client source reference number
Contacts	Node		Y	List of subjects that were searched
Contact	Node		Y	Root node of individual search result
ContactID	AN		N	Unique identifier for contact provided by client
Template	E		Y	Enumerated: See Appendix Enumerations: Contact Template
Prefix	A	5	O	Prefix name of alias
FirstName	A	50	Y	First name of alias
MiddleName	A	50	O	Middle name of alias
LastName	A	50	O	Last name of alias
Age	N	3	O	Age of alias
Address	AN	100	O	Address of alias
City	AN	100	O	City of alias
State	E	2	O	Enumerated: State of alias represented by two digit state code.
PostalCode	AN	10	O	PostalCode of alias
USSSN4	N	4	Y	Last 4 SSN of alias
BirthDate	AN	10	O	Birth date of alias
ValidDate	AN	10	O	Date when alias was first reported at address
ValidEnd	AN	10	O	Date when alias was last reported at address

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ActiveDutyResult	Node			Parent container for active duty search result
ResultID	AN	50	Y	DOD CertificateID
Status	E		Y	Enumerated. See SCRA Status
Branch	E		O	Enumerated: See Active Duty Branch
Effective	D		O	Enlistment Date
Expires	D		O	Discharge Date
VerifiedDate	D		Y	Search Date
DateOfInterest	D		Y	Active Duty Status Date
Description	AN		O	Additional information returned by DOD
Documents	Node		Y	Collection container for documents
Document	Node		Y	Root node for image
Name	AN	50	Y	Image name. This name corresponds to the document entry in the Documents node. Documents match on the value indicated in the Name node.
Type	E		Y	Type of image. Enumerated: see Document
Contact	Node		N	Nested Contact that was generated and searched as a result of skiptrace, parse or permutation
Documents	Node		Y	Collection container for documents. This is the designated section for document content
Document	Node		Y	Root node for image
DocumentID	AN	255		Unique identifier for document
Name	AN	50	Y	Image name
Type	E		Y	Type of image. Enumerated: see Document
Content	AN		Y	Base64 encoded document content

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Appendix A – Enumerations

Product Type

Enumeration	Description
API 1.0.0	Standard API Format
Standard	Standard MS Excel Format
Custom	Custom product format

Product Delivery

Enumeration	Description
Deliver	Submit product data to endpoint
Pickup	Enable product for client pickup. No pickup notification will be sent and polling model must be utilized
NotificationPickup	Notification is transmitted to client endpoint containing product resource for pickup. Client must invoke product method and to download product
Custom	Custom delivery method. Utilized for specialized connectors

Name Permutate

Enumeration	Description
ParsePermutate	Parses contact with name parsing model and will generate applicable permutations based on permutation options.

Screenshot Mask

Enumeration	Description
*****	Mask SSN with 5 leading *
None	No SSN Masking

Contact Type

Enumeration	Description

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1	Primary Borrower
2	Secondary Borrower
3	Tertiary Borrower
4	Borrower position 4
5	Borrower position 5
6	Borrower position 6
7	Borrower position 7
8	Borrower position 8
9	Borrower position 9

Contact Template

Enumeration	Description
Original	Contact submitted with order
Alias	Alias generated by order
Parsed Original	Contact submitted with order that was parsed and generated aliases
Parsed Alias	Alias generated from parsing original contact
Skiptrace Alias	Alias generated from performing skiptrace
Skiptrace Original	Contact skiptrace was performed on

Active Duty Branch

Enumeration
Army National Guard
Army Active Duty
Army Temporary
Army Reserve
Army Unknown
Army

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Coast Guard Active Duty
Coast Guard Reserve
Coast Guard
National Guard
Air Force Active Duty
Air Force Temporary
Air Force Reserve
Air Force
Public Health
Marine Corps Active Duty
Marine Corps Temporary
Marine Corps Reserve
Marine Corps Unknown
Marine Corps
Navy Active Duty
Navy Temporary
Navy Reserve
Navy Unknown
Navy
Oceanic And Atmospheric

SCRA Status

Enumeration	Description
Active Duty	Subject is currently active
Discharged	Subject is located and contains a discharge date
Not Found	Subject could not be found based on criteria. This is considered a no-hit

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Undetermined	Subject was located but DoD could not provide a definitive answer if active. Additional information can be found in Description tag
Unable To Process	Subject was unable to be searched. This is generally due to a Skiptrace no-hit condition

Document

Enumeration	Description
Military Certificate	SCRA certificate(s) which may contain additional pages depending on search options specified

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