

WMC | GLOBAL

WORLDWIDE BRAND AND CUSTOMER PROTECTION AT SCALE



RISQ SCORE DATA SUBMITTER API SPEC

01.18.2025

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GETTING STARTED WITH RISQ SCORE

RISQ Score is a WMC Global product that provides visibility into the risks associated with third parties who wish to send messages from an A2P messaging application (SMPP, RCS) on a client's network. WMC Global is exposing a set of REST APIs for customers to submit RISQ Score requests and receive resulting RISQ Scores via push notifications.



DOCUMENT STATUS

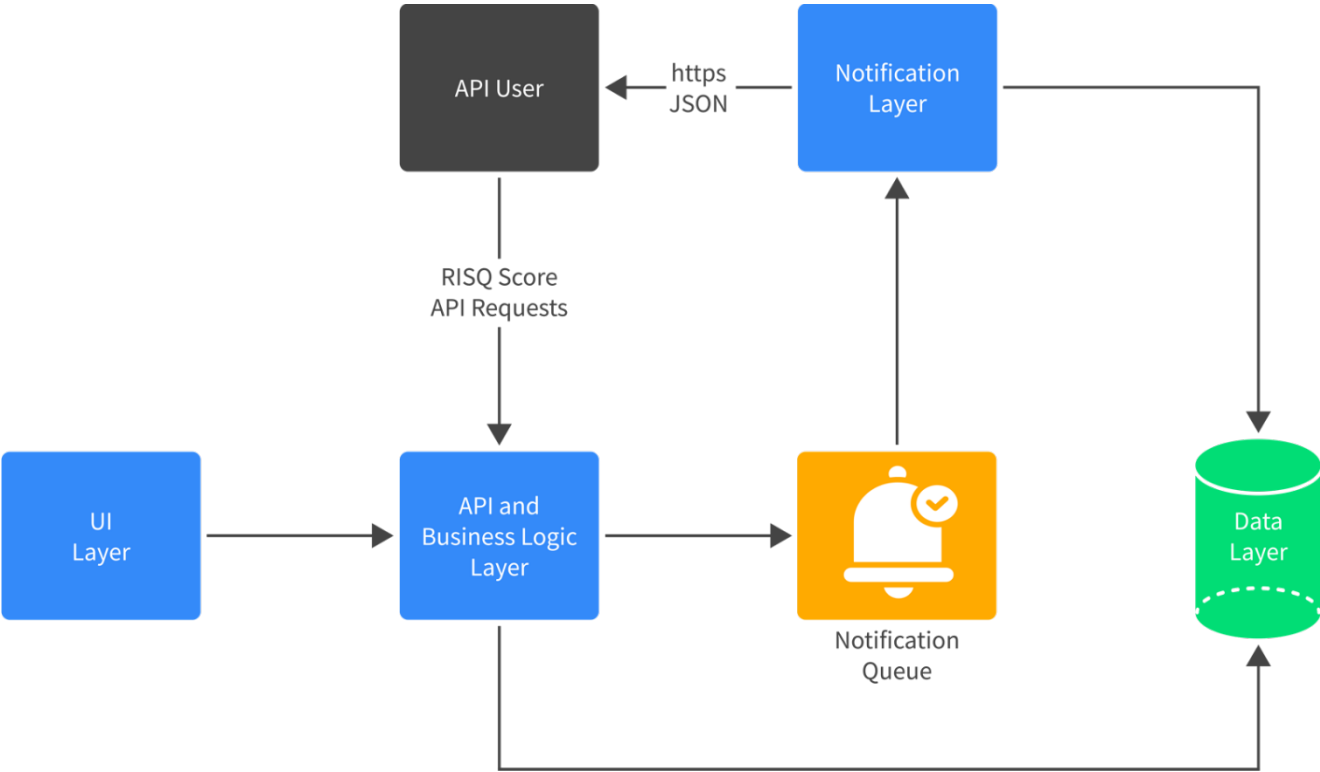
This document supports v1.0 for the Data Submitter API Spec. The documentation is subject to change.

[WMC Global Website](#)

PRODUCT SPECIFICATIONS

RISQ SCORE SUBMISSION API AND NOTIFICATIONS

SYSTEM ARCHITECTURE



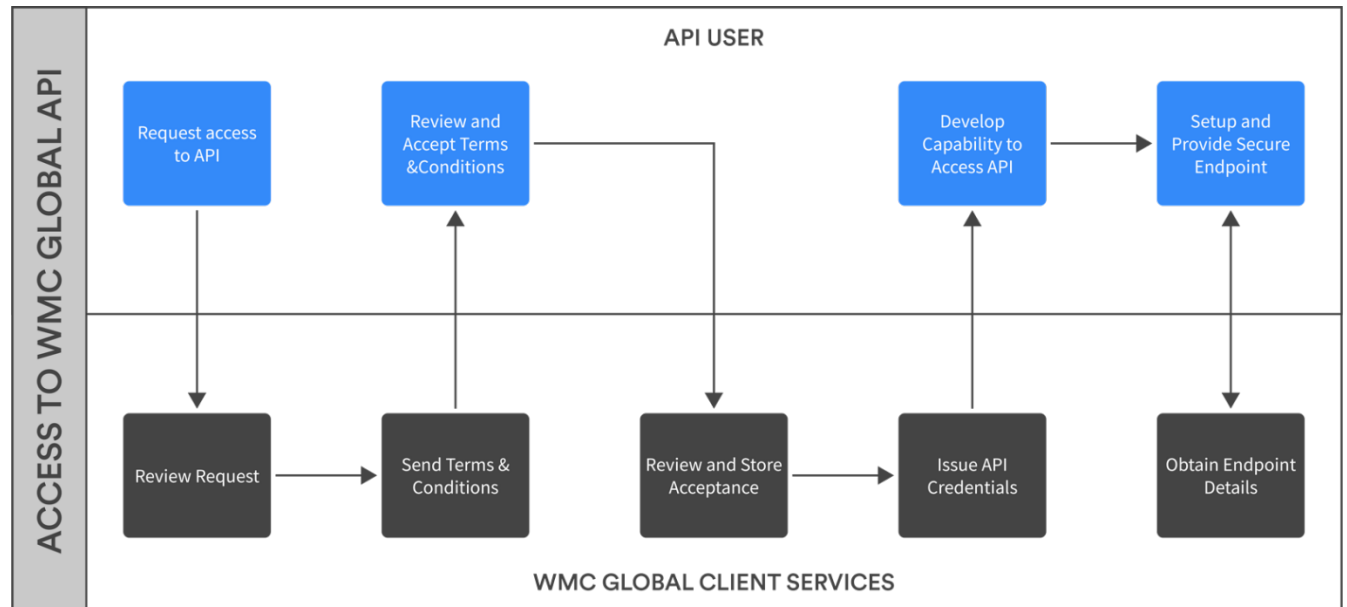
The above system architecture depicts the various systems involved in WMC Global deliverables. WMC Global will accept Message Sender information in the WMC Global submission APIs from the submitting entity (API user) and will deliver the RISQ Score data via WMC Global’s notification system to HTTPS POST REST endpoints, which the API user shall expose.

WMC Global provides credentials to its registered customers, including an API key, to allow access to WMC Global APIs. Before calling WMC Global APIs, the API user will need to obtain an

authentication token using the /login API passing credentials provided by WMC Global. The authentication token, along with the API key, must be passed in the header of all API requests.

WMC Global APIs are accessed via HTTPS.

The following process must be followed to enable access to WMC Global APIs:

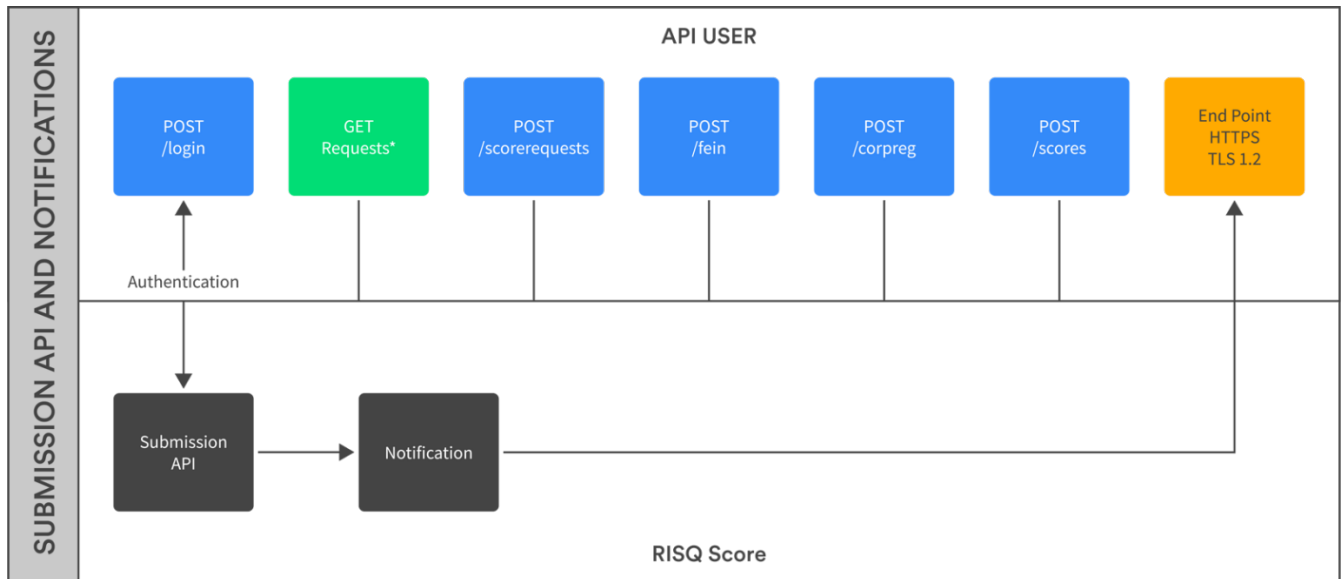


To request API access, email your WMC Global representative with the following API user information:

- Organization
- First Name
- Last Name
- Email Address

Based on this information, WMC Global will collect acceptance of the terms and conditions, assign a user name, password, and API key and deliver the WMC Global endpoint. The base URL for the current version (V1) of the API is <https://risqscoreapi.wmcglobal.com/api/v1>.

Once API access is enabled, data will be passed as follows:



1. **POST /login** – Allows the API user to authenticate and gain access to RISQ Score
2. **GET Requests** – Retrieve the information for proper inputs and field validations, as well as information associated with previous submissions; API users may wish to perform the following requests:
 - a. GET /carriers/
 - b. GET /campaigntypes/
 - c. GET /aggregators/
 - d. GET /scorerequests/{score_request_id}/searchresults
3. **POST /scorerequests** – Submits data required for scoring and returns a scoring request ID
4. **POST /scorerequests/fein** – Retrieves a list of companies or legal entities and associated company keys based on the submission of an organization’s FEIN
5. **POST /scorerequests/coreg** – Retrieves a list of companies or legal entities and associated company keys based on the submission of an organization’s corporate registration
6. **POST /scores** – Releases the RISQ Score request for execution using a company key returned from either the /scorerequests/fein or from the /scorerequests/coreg API call
7. **POST /logout** – Allows API user to end session and cancel authentic token

a) POST/login

The API user is authenticated by providing the username and password provided by WMC Global. The API returns an authentication token, which must be included in all subsequent API calls, along with an API key, which is given to API users when they sign up. The authentication token will periodically expire, in which case the API user must call the /login API again to receive a new token.

Request Body Example

JSON

```
{
  "username": "<Issued Upon Signed Agreement>",
  "password": "<To Be Supplied>"
}
```

Response Body Example

JSON

```
{
  "auth_token": "00g0mefSz3UkZQmyCAN6_nWUGRcSLpFdG6LrfDtp-X"
}
```

All APIs below must pass the API key and auth_token in the header:

Input Headers Example

JSON

```
"auth_token": "00g0mefSz3UkZQmyCAN6_nWUGRcSLpFdG6LrfDtp-X",
"x-api-key": "gVOKTz9nPT8HSZa7NYyrG77b8LWnCDHV2eMFs84Z"
```


b) GET /carriers

Retrieves the list of supported carriers.

Response Body Example

JSON

```
{
  "carriers": [
    {
      "carrier_id": 1,
      "carrier_name": "Carrier Name"
    }
  ]
}
```

DATA DICTIONARY OUTPUT PARAMETERS

PARAMETER NAME	DESCRIPTION	DATA TYPE
carriers	Pair of the WMC-Global-assigned unique identifier for each carrier and the carrier name that it represents; included parameters are as follows: <ul style="list-style-type: none">carrier_id: WMC-Global-assigned unique identifier for a carriercarrier_name: Name of the carrier represented by the associated carrier_id	Array of dictionaries: <ul style="list-style-type: none">carrier_id: integercarrier_name: string

c) GET /campaigntypes

Retrieves the list of supported campaign types.

Response Body Example

JSON

```
{
  "campaign_types": [
    {
      "campaign_type_id": 1,
      "campaign_type_name": "Account
      Management and Reminders"
    }
  ]
}
```

DATA DICTIONARY OUTPUT PARAMETERS

PARAMETER NAME	DESCRIPTION	DATA TYPE
campaign_types	Pair of the WMC-Global-assigned unique identifier for each campaign type and the name of the campaign type that it represents; included parameters are as follows: <ul style="list-style-type: none">campaign_type_id: WMC-Global-assigned unique identifier for a campaign typecampaign_type_name: Name of the campaign type represented by the associated campaign_type_id	Array of dictionaries: <ul style="list-style-type: none">campaign_type_id: integercampaign_type_name: string

campaign_type_id must be supplied in the /scorerequests API call.

d) GET /aggregators

Retrieves the list of supported aggregators.

Response Body Example

JSON

```
{
  "aggregators": [
    {
      "aggregator_id": 1,
      "aggregator_name": "Aggregator Name"
    }
  ]
}
```

DATA DICTIONARY OUTPUT PARAMETERS

PARAMETER NAME	DESCRIPTION	DATA TYPE
aggregators	Pair of the WMC-Global-assigned unique identifier for each aggregator and the name of the aggregator that it represents; included parameters are as follows: <ul style="list-style-type: none">aggregator_id: WMC-Global-assigned unique identifier of the aggregatoraggregator_name: Name of the aggregator represented by the associated aggregator_id	Array of dictionaries: <ul style="list-style-type: none">aggregator_id: integeraggregator_name: string

aggregator_id must be supplied in the /scorerequests API call.

e) POST /scorerequests

API users submit an initial score request using company information provided by the message sender.

The output also contains the score_request_id, which is a unique identifier for the RISQ Score request that should be stored to enable future queries or lookups.

Input Body Format Example

JSON

```
{
  "industry_publication": true,
  "message_sender_name": "Message Sender",
  "legal_name": "MESSAGE SENDER, INC",
  "company_type": "Registered Corporation",
  "poc_fn": "firstname",
  "poc_ln": "lastname",
  "poc_pn": "555-555-5555",
  "poc_email": "fn@companyinc.com",
  "org_mailing_name": "Attention Name",
  "address_1": "123 Cherry St",
  "address_2": "Suite 100",
  "postal_code": "NNNNN",
  "state_iso": "VA",
  "city": "Fairfax",
  "country_iso": "USA",
  "exchange": "NASDAQ",
  "stock_symbol": "ABC",
  "website": "companyfun.com",
  "campaigns": [
    {
      "campaign_name": "Christmas Promotion",
      "campaign_text": "Company Inc is offering promos sales this Christmas.",
      "network_paths": [
        {
          "carrier_id": 1,
          "aggregator_id": 2,
          "source_entity_id": "111111",
          "message_service_provider": "Example Provider"
        },
        {
          "carrier_id": 2,
          "aggregator_id": 3,
          "source_entity_id": "22222",
          "message_service_provider": "Example Provider"
        }
      ]
    },
    {
      "program_type_id": 1,
      "campaign_codes": ["1111111111", "2222222222"],
      "campaign_type_ids": [1, 4],
      "keywords": ["Christmas", "Sale"],
      "campaign_name": "Concert Tickets",
      "campaign_text": "ABC Company is offering concert tickets.",
      "network_paths": [
        {
          "carrier_id": 1,
          "aggregator_id": 2,
          "source_entity_id": "111111",
          "message_service_provider": "Example Provider"
        },
        {
          "carrier_id": 2,
          "aggregator_id": 3,
          "source_entity_id": "22222",
          "message_service_provider": "Example Provider"
        }
      ]
    }
  ]
}
```

DATA DICTIONARY INPUT PARAMETERS

PARAMETER NAME	DESCRIPTION	DATA TYPE	REQUIRED	FIELD LIMIT
industry_publication	<p>Binary publication instructions for generated information, as follows:</p> <p>true – Publish sender ID and associated network path and message class information to industry recipients (e.g., carriers, carrier-designated third parties, and aggregators, if applicable) indicated by the network path</p> <p>false – Do not publish any information to industry recipients</p>	boolean	Yes	Not applicable
message_sender_name	Name of the brand or entity attempting to communicate with the intended audience of the message (message sender) being scored	string	Yes	255
legal_name	Legal company name of the message sender	string	Yes	255
company_type	<p>Type of company that best represents the message sender; possible values are as follows:</p> <ul style="list-style-type: none"> • Franchise • Government or state organization 	string	Yes	255

	<ul style="list-style-type: none"> • Licensed professional • Public utility • Registered corporation • Sole proprietor • Other 			
poc_fn	First name of the point of contact designated as responsible for message sender activity	string	No	255
poc_ln	Last name of the point of contact designated as responsible for message sender activity	string	No	255
poc_pn	Phone number of the point of contact designated as responsible for message sender activity	string	No	50
poc_email	Email address of the point of contact designated as responsible for message sender activity	string	Yes	255
org_mailing_name	Name of the message sender for mailing purposes	string	Yes	255
address_1	Address line 1 of the message sender's mailing address	string	No	255

address_2	Address line 2 of the message sender's mailing address	string	No	255
city	City of the message sender's mailing address	string	No	255
state_iso	State of the message sender's mailing address, indicated by an up to 3- character subdivision code, as defined by ISO standards	string	Yes	10
postal_code	Zip code of the message sender's mailing address	string	No	10
country_iso	Country of the message sender's mailing address indicated by a 2-character code, as defined by ISO standards	string	Yes	10
exchange	Stock exchange on which the message sender's stock symbol trades, if the message sender is a publicly traded company	string	No	10
stock_symbol	Stock symbol of the message sender, if the message sender is a publicly traded company	string	No	10

website	Primary website representing the message sender's company or organization	string	Yes	255
campaigns	List of distinct messaging initiatives (campaigns) being run by the message sender and their attributes; campaigns possess the following attributes: <ul style="list-style-type: none"> • Campaign name • Campaign text • Network paths • Program type ID • Campaign codes • Campaign type IDs • Keywords 	Array of dictionaries	Yes	Not applicable
campaign_name	Name of the campaign being run on the indicated codes	string	No	255
campaign_text	Description of the campaign content and purpose	string	No	250
network_paths	List of the distinct series of entities through which the message sender is connecting to deliver messages into carrier networks (network paths); each network path contains the following attributes: <ul style="list-style-type: none"> • Carrier ID • Aggregator ID • Source entity ID 	Array of dictionaries	Yes	Not applicable

	<ul style="list-style-type: none"> Message service provider (if applicable) 			
carrier_id	WMC-Global-assigned unique identifier of the carrier through which campaign messaging is passed for a given network path, as returned by the GET /carriers/ request	integer	No	Not applicable
aggregator_id	WMC-Global-assigned unique identifier of the aggregator through which campaign messaging is passed for a given network path, as returned by the GET /aggregators/ request	integer	Yes	Not applicable
source_entity_id	Source indicator signaling the aggregator connection to the ICV through which messages will be passed for the campaign.	string	No	20
message_service_provider	The entity providing a service or platform that facilitates the delivery of a message to an aggregator (message service provider) associated with a distinct campaign	string	No	255
program_type_id	An indication of the program type as defined	integer	Yes	Not

	by the delivery mechanism of the campaign; possible values are as follows: <ol style="list-style-type: none"> 1. Short code 2. Long code 			applicable
campaign_codes	Codes operated by the message sender being used for the campaign	Array of strings	No	Not applicable
campaign_type_ids	WMC-Global-assigned unique identifier of the campaign type, as returned by the GET /campaigntypes/ request	Array of integers	Yes	Not applicable
keywords	All keywords that will be used for the campaign, if any	Array of strings	No	Not applicable

Response Body Example

JSON

```
{
  "score_request_id": "728a2aa1-9add-4b97-9bdc-2fd6eae8978f"
}
```

DATA DICTIONARY OUTPUT PARAMETERS

PARAMETER NAME	DESCRIPTION	DATA TYPE
score_request_id	WMC-Global-assigned unique identifier for RISQ Score request	string

f) POST /scorerequests/fein

If a message sender has indicated in POST /scorerequests that its company type is Registered Corporation, the message sender's Federal Employer Identification Number (FEIN) should be submitted via POST /fein. The FEIN helps to uniquely identify the company or legal entity of the message sender being scored. The output can include one or more companies or legal entities, from which the message sender can select the company or legal entity that corresponds to the message sender's legal identity to submit via POST /scores.

Request Body Example

JSON

```
{
  "score_request_id": "728a2aa1-9add-4b97-9bdc-2fd6eae8978f",
  "fein": " NN-NNNNNNN"
}
```

DATA DICTIONARY INPUT PARAMETERS

PARAMETER NAME	DESCRIPTION	DATA TYPE	REQUIRED	FIELD LIMIT
Score_request_id	WMC-Global-assigned unique identifier for the RISQ Score request obtained in the /scorerequests call	string	Yes	40
fein	Federal Employer Identification Number (FEIN) of the message sender	string	Yes	10

Request Body Example

JSON

```
{
  "companies": [{
    "returned_name": "COMPANY, INC.",
    "company_key": "1",
    "address": {"street_number":
      "2600",
      "street_pre_direction": "S",
      "street_name": "FLYNN",
      "street_suffix": "DR",
      "city": "PARSONS",
      "state": "KS",
      "zip": "67357",
      "zip_extension": "7448",
      "county": "LABETTE"}},
    {
      "returned_name": "COMPANY, LLC",
      "company_key": "2",
      "address": {"street_number":
        "2050",
        "street_pre_direction": "S",
        "street_name": "STOUGHTON",
        "street_suffix": "RD",
        "city": "MADISON",
        "state": "WI",
        "zip": "53716",
        "zip_extension": "0000"
      }
    }
  ]
}
```

DATA DICTIONARY OUTPUT PARAMETERS

PARAMETER NAME	DESCRIPTION	DATA TYPE
companies	<p>List of company results associated with the FEIN provided in POST /scorerequests/fein and their attributes; companies possess the following attributes:</p> <ul style="list-style-type: none"> Returned name Company key Address 	Array of dictionaries

returned_name	Entity name match option for the message sender that can be selected for scoring in the RISQ Score request	string
company_key	Index of the message sender's company, which must be supplied in the submission call	string
address	List of address components associated with the returned company result; an address possesses the following attributes: <ul style="list-style-type: none"> • Street number • Street pre-direction • Street name • Street suffix • City • State • Zip • Zip extension • County 	Array of strings
street_number	Street number of the entity match option to be scored For example, if "23 North Penny Lane" is the first line of the address, "23" is the street number	string
street_pre_direction	Directional prefix of the street address of the entity match option to be scored For example, if "23 North Penny Lane" is the first line of the address, "North" is the street pre direction	string
street_name	Street name (without the street suffix) of the entity match option to be scored For example, if "23 North Penny Lane" is the first line of the address, "Penny" is the street name	string
street_suffix	Designation of the type of street appended after	string

	the street name (e.g., Road, Lane, Drive, Street) For example, if “23 North Penny Lane” is the first line of the address, “Lane” is the street suffix	
city	City of the entity match option to be scored	string
state	State of the entity match option to be scored	string
zip	5-digit ZIP code of the entity match option to be scored	string
zip_extension	4-digit ZIP code extension of the entity match option to be scored	string
county	County of the entity match option to be scored	string

g) POST /scorerequests/corpreg

If a message sender has indicated in POST /scorerequests that its company type is Registered Corporation, the message sender’s corporate registration number and state of registration should be submitted via POST /corpreg. The corporate registration helps to uniquely identify the company or legal entity of the message sender being scored. The output can include one or more companies or legal entities, from which the message sender can select the company or legal entity that corresponds to the message sender’s legal identity to submit via POST /scores.

Request Body Example

JSON

```
{
  "score_request_id": "728a2aa1-9add-4b97-9bdc-2fd6eae8978f",
  "registration_state_iso": "VA",
  "registration_number": "NNNNNNNN"
}
```

DATA DICTIONARY INPUT PARAMETERS

PARAMETER NAME	DESCRIPTION	DATA TYPE	REQUIRED	FIELD LIMIT
score_request_id	WMC-Global-assigned unique identifier for the RISQ Score request obtained in the /scorerequests call	string	Yes	40
registration_state_iso	State in which the message sender's company is registered, if the message sender is a registered corporation	string	Yes	10
registration_number	message sender's corporate registration number in the state indicated in the registration_state_iso field, if the message sender is a registered corporation	string	Yes	50

Request Body Example

JSON

```
{
  "companies": [{
    "returned_name": "COMPANY, INC.",
    "company_key": "1",
    "address": {"street_number":
      "2600",
      "street_pre_direction": "S",
      "street_name": "FLYNN",
      "street_suffix": "DR",
      "city": "PARSONS",
      "state": "KS",
      "zip": "67357",
      "zip_extension": "7448",
      "county": "LABETTE"}},
    {
      "returned_name": "COMPANY, LLC",
      "company_key": "2",
      "address": {"street_number":
        "2050",
        "street_pre_direction": "S",
        "street_name": "STOUGHTON",
        "street_suffix": "RD",
        "city": "MADISON",
        "state": "WI",
        "zip": "53716",
        "zip_extension": "2850",
        "county": "DANE"
      }}}
  ]
}
```


DATA DICTIONARY OUTPUT PARAMETERS

PARAMETER NAME	DESCRIPTION	DATA TYPE
companies	List of company results associated with the FEIN provided in POST /scorerequests/fein and their attributes; companies possess the following attributes: <ul style="list-style-type: none"> • Returned name • Company key • Address 	Array of dictionaries
returned_name	Entity name match option for the message sender that can be selected for scoring in the RISQ Score request	string
company_key	Index of the message sender's company, which must be supplied in the submission call	string
address	List of address components associated with the returned company result; an address possesses the following attributes: <ul style="list-style-type: none"> • Street number • Street pre-direction • Street name • Street suffix • City • State • Zip • Zip extension • County 	Array of strings
street_number	Street number of the entity match option to be scored For example, if "23 North Penny Lane" is the first line of the address, "23" is the street number	string
street_pre_direction	Directional prefix of the street address of the entity match option to be scored	string

	For example, if “23 North Penny Lane” is the first line of the address, “North” is the street pre direction	
street_name	Street name (without the street suffix) of the entity match option to be scored For example, if “23 North Penny Lane” is the first line of the address, “Penny” is the street name	string
street_suffix	Designation of the type of street appended after the street name (e.g., Road, Lane, Drive, Street) For example, if “23 North Penny Lane” is the first line of the address, “Lane” is the street suffix	string
city	City of the entity match option to be scored	string
state	State of the entity match option to be scored	string
zip	5-digit ZIP code of the entity match option to be scored	string
zip_extension	4-digit ZIP code extension of the entity match option to be scored	string
county	County of the entity match option to be scored	string

h) GET

/scorerequests/{score_request_id}/searchresults

By using the score_request_id for reference, the GET

/scorerequests/{score_request_id}/searchresults call retrieves the list of companies or legal entities that was returned from POST /scorerequests/fein and POST /scorerequests/corpreg calls. This can be used for historical reference.

Request Body Example

JSON

```
{
  "id_name": "939b0a87-e060-4abf-906f-77a03de5d27c",
  "companies": {
    "FEIN": [
      {
        "returned_name": "COMPANY, INC.",
        "company_key": "1",
        "address": {"street_number": "2600",
          "street_pre_direction": "S",
          "street_name": "FLYNN",
          "street_suffix": "DR",
          "city": "PARSONS",
          "state": "KS",
          "zip": "67357",
          "zip_extension": "7448",
          "county": "LABETTE"}
      }
    ],
    "Corporate Registration": [
      {
        "returned_name": "COMPANY, INC.",
        "company_key": "1",
        "address": {"street_number": "2600",
          "street_pre_direction": "S",
          "street_name": "FLYNN",
          "street_suffix": "DR",
          "city": "PARSONS",
          "state": "KS",
          "zip": "67357",
          "zip_extension": "7448",
          "county": "LABETTE"}
      }
    ]
  }
}
```

i) POST /scores

If a message sender has indicated in POST /scorerequests that its company type is Registered Corporation, the message sender must then select a corresponding company or legal entity that

corresponds to the submitted message sender information. A list of legal entities from which the message sender can select can be returned through either the POST /scorerequests/fein call or the POST /scorerequests/corpreg call. These calls can be completed in any order, and, if the correct company match is identified through either call and is submitted through POST /scores, it is not necessary to make both the /scorerequests/fein and the /scorerequests/corpreg calls.

After reviewing the output returned from POST /scorerequests/fein and POST /scorerequests/corpreg, the message sender should confirm their selection of a company or legal entity in a subsequent /scores API call to generate the RISQ Score report. This releases the RISQ Score request for execution using a company key returned from either the /scorerequests/fein or the /scorerequests/corpreg API calls.

However, if no correct company match is returned from the /scorerequests/fein or /scorerequests/corpreg calls, then the API user should designate the “type” field as “None.” Note that, if the designated Company Type in POST /scorerequests is Registered Corporation, both the /scorerequests/fein and /scorerequests/corpreg call must be completed before a selection of “None” can be submitted.

If the designated company type is anything other than Registered Corporation, then the API user should designate the “type” field as “None.”

Once a selection is submitted, a unique sender ID is generated, if not already present, and is returned in the response.

Request Body Example

JSON

```
{
  "score_request_id": "728a2aa1-9add-4b97-9bdc-2fd6eae8978f",
  "type": "FEIN",
  "company_key": "1"
}
```

DATA DICTIONARY INPUT PARAMETERS

PARAMETER NAME	DESCRIPTION	DATA TYPE	REQUIRED	FIELD LIMIT
score_request_id	WMC-Global-assigned unique identifier for the RISQ Score request obtained in the /scorerequests call	string	Yes	40
type	Type of call that returned the key submitted in the company key parameter possible types are as follows: <ul style="list-style-type: none"> • FEIN • Corporate Registration • None 	string	Yes	255
company_key	Index of the message sender's company obtained in the /scorerequests call	string	Yes ; use -1 if the "type" is "None"	255

Output Body Example

JSON

```
{
  "sender_id": "00000NNN",
  "status": "PENDING"
}
```

DATA DICTIONARY OUTPUT PARAMETERS

PARAMETER NAME	DESCRIPTION	DATA TYPE
sender_id	WMC-Global-issued unique identifier generated for the message sender	string
status	<p>Status of the RISQ Score request, as follows:</p> <p>Pre-Pending – Status indicating that the RISQ Score request has been initiated, but a company selection has not yet been submitted</p> <p>Pending – Status indicating a company selection has been submitted and the RISQ Score is being generated</p> <p>Flagged – Status indicating the RISQ Score has been flagged for internal review</p> <p>Canceled – Status indicating the RISQ Score request has been canceled because of an error in submitted data</p> <p>Completed – Status indicating a RISQ Score is complete and a RISQ Score report has been generated</p>	string

Once the RISQ Score is complete, the system will send the RISQ Score data to the endpoint provided by the API user. More details are provided in the Notification section of this document.

ERROR RESPONSE

The RISQ Score APIs will return a JSON error response with an error code and an appropriate HTTP status code in the response header for error conditions.

Error Response Examples

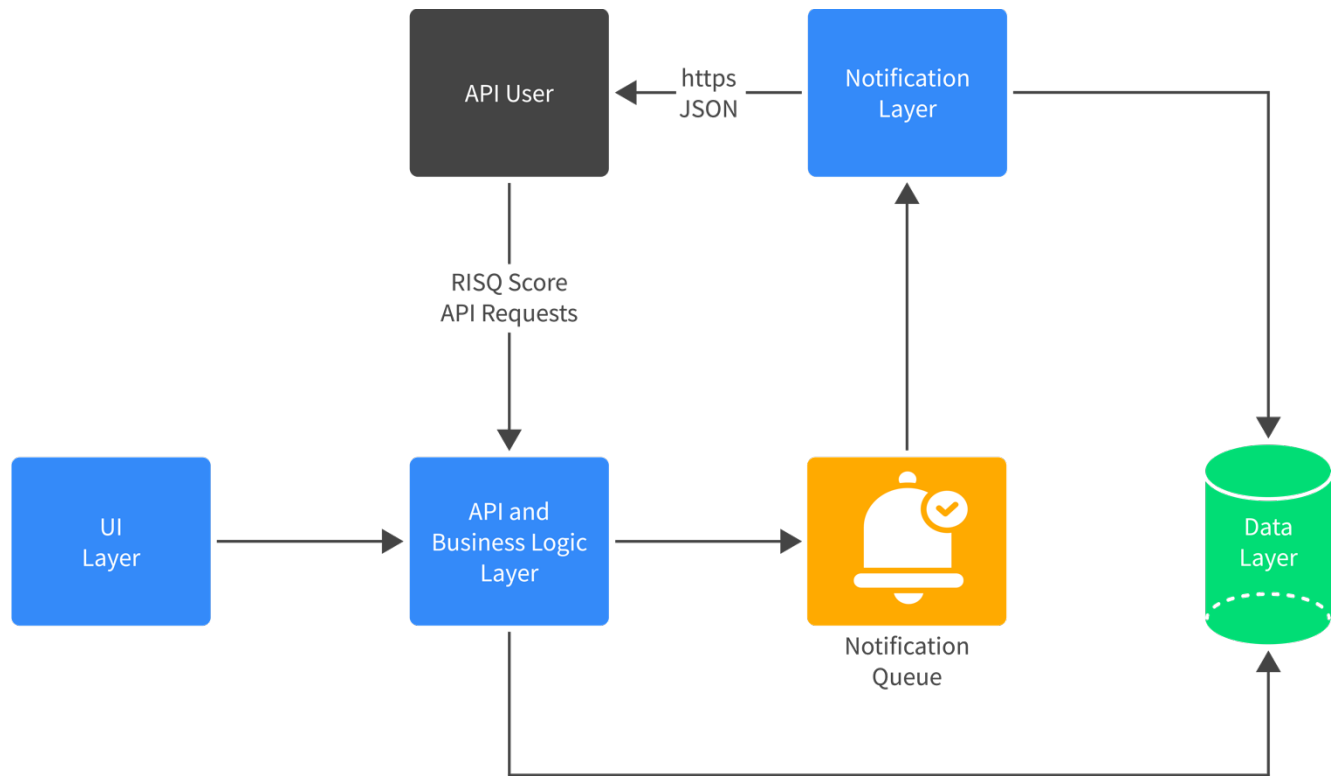
JSON

```
{
  "errors": [
    {
      "code": 1001,
      "message": "Missing or invalid authentication token"
    },
    {
      "code": 1005,
      "message": "Missing or invalid API key"
    }
  ]
}
```

Detailed error codes are included in Appendix A.

NOTIFICATION

The purpose of WMC Global's notification system is to push information about RISQ Scores generated in response to submitted RISQ Score requests to the associated API user.



SECURITY

The API user must provide endpoints secured using TLS 1.2. The endpoint shall accept HTTPS POST requests and conform to the following notification specification for delivery of completed RISQ Score reports. The Content-Type is application/JSON.

RISQ SCORE REPORT NOTIFICATION

For each message sender for which WMC Global receives a RISQ Score request, WMC Global shall produce a RISQ Score report detailing message sender information and key findings in the areas of corporate information, stakeholder information, legal history, and high-risk behavior. This report is intended to help API users make informed message sender onboarding decisions. WMC Global will deliver the data associated with each RISQ Score report to the API user via push notification upon report generation.

Content-Type: application/JSON

Notification Body Example

JSON

```
{
  "report": {
    "version": "1.0",
    "report_name": "RISQ Score Report",
    "notification_id": "4de8f724-2183-49ee-9f2b-ff623e2ffa7d",
    "notification_type": "initial",
    "notification_date": "2019-01-12 11:59:00",
    "request_date": "2019-01-12 11:57:00",
    "status": "Completed",
    "scored_entity": "MESSAGE SENDER, INC.",
    "score_request_id": "728a2aa1-9add-4b97-9bdc-2fd6eae8978",
    "score_date": "2019-01-12",
    "risq_score": 58,
    "sender_id": "00000NNN",
    "campaigns": [
      {
        "campaign_id": "NNNN",
        "network_paths": [
          {
            "message_class": "C",
            "carrier": "Example Carrier",
            "aggregator": "Example Aggregator",
            "source_entity_id": "214324",
            "message_service_provider": "Example Provider",
            "message_sender": "Example Sender"
          },
          {
            "message_class": "C",
            "carrier": "Example Carrier",
            "aggregator": "Example Aggregator",
            "source_entity_id": "214324",
            "message_service_provider": "Example Provider",
            "message_sender": "Example Sender"
          }
        ],
        "program_type_id": 1,
        "campaign_codes": ["1111111111", "2222222222"],
        "campaign_types": ["Account Management and Reminders", "Educational Services"]
      },
      {
        "campaign_id": "NNNN",
        "network_paths": [
          {
            "message_class": "C",
            "carrier": "Example Carrier",
            "aggregator": "Example Aggregator",
            "source_entity_id": "214324",
            "message_service_provider": "Example Provider",
            "message_sender": "Example Sender"
          },
          {
            "message_class": "C",
            "carrier": "Example Carrier",
            "aggregator": "Example Aggregator",
            "source_entity_id": "214324",
            "message_service_provider": "Example Provider",
            "message_sender": "Example Sender"
          }
        ]
      }
    ]
  }
}
```

DATA DICTIONARY OUTPUT PARAMETERS

PARAMETER NAME	DESCRIPTION	DATA TYPE
version	Identifies the version of the notification spec	string
report_name	Name of the report being delivered	string
notification_id	Unique identifier for the notification	string
notification_type	<p>Type of event, indicating the circumstances under which the notification is being sent; possible values are as follows:</p> <ul style="list-style-type: none"> Initial – Notification issued when a message sender has received a RISQ Score for the first time <p>Currently, the system supports initial notification only; other event types will be added in future releases</p>	string
notification_date	<p>Date and time when the notification was generated</p> <p>Timestamp is delivered in UTC and in YYYY-MM-DD hh:mm:ss format</p>	string
request_date	<p>Date and time when the RISQ Score request was received</p> <p>Timestamp is delivered in UTC and in YYYY-MM-DD hh:mm:ss format</p>	string
status	Status of the RISQ Score request	string
scored_entity	Legal company name of the scored entity	string
score_request_id	WMC-Global-assigned unique identifier for the RISQ Score request	string
score_date	Date the RISQ Score was completed	string
risq_score	<p>RISQ Score generated for the scored entity</p> <p>A Routine Information and Services Quality Score (RISQ Score) is a score from 1-100 that represents a level of risk for a message sender—a company</p>	integer

	<p>or other entity that wants to communicate with their own customers via text messaging</p> <p>Higher RISQ Scores indicate a high level of trust, in that the message sender is unlikely to pose a threat to consumers or the ecosystem, while lower RISQ Scores indicate higher risk, indicated by either the absence of confirmable data or the presence of other risk indicators</p>	
sender_id	--Global-issued unique identifier generated for the message sender	string
campaigns	<p>List of distinct messaging initiatives (campaigns) being run by the message sender and their attributes; campaigns possess the following attributes:</p> <ul style="list-style-type: none"> • Campaign ID • Network paths • Program Ttpe ID • Campaign codes • Campaign types 	Array of dictionaries
campaign_id	WMC-Global-issued unique identifier generated for each campaign	string
network_paths	<p>List of the distinct series of entities through which the message sender is connecting to deliver messages into carrier networks (network paths); each network path contains the following attributes:</p> <ul style="list-style-type: none"> • Carrier • Message class • Aggregator • Source entity ID • Message service provider (if applicable) • Message sender 	Array of dictionaries
message_class	Carrier-assigned message class tag for the carrier indicated in the network path	string

carrier	Name of the carrier through which campaign messaging is passed for a given network path	string
aggregator	Name of the aggregator through which campaign messaging is passed for a given network path	string
source_entity_id	Source indicator signaling the aggregator connection to the ICV through which messages will be passed for the campaign.	string
message_service_provider	The entity providing a service or platform that facilitates the delivery of a message to an aggregator (message service provider) associated with a distinct campaign	string
message_sender	The brand or entity attempting to communicate with the intended audience of the message that is associated with a distinct campaign; this is generally the message sender for whom a RISQ Score is being requested	string
program_type_id	An indication of the program type as defined by the delivery mechanism of the campaign; possible values are as follows: 1. Short code 2. Long code	integer
campaign_codes	Codes operated by the message sender being used for the campaign	Array of strings
campaign_types	Campaign type categories for the messaging that the message sender will run for the indicated campaign	Array of strings
findings	Relevant determination based on message sender and related data	Array of strings

RISQ SCORE STATUS NOTIFICATION

During the process of producing a RISQ Score, the score can be flagged for manual review or canceled. The system will send a notification regarding a change in status, so the API user can reconcile the status of the RISQ Score request, as necessary.

Content-Type: application/JSON

Notification Body Example

JSON

```
{
  "report": {
    "report_name": "RISQ Score Status Report",
    "notification_id": "4de8f724-2183-49ee-9f2b-ff623e2ffa7d",
    "notification_date": "2019-01-13 00:00:00",
    "score_request_id": "728a2aa1-9add-4b97-9bdc-2fd6eae8978",
    "status": "Flagged",
    "error_code": "2000",
    "error_description": "RISQ Score has been flagged for internal review"
  }
}
```

DATA DICTIONARY OUTPUT PARAMETERS

PARAMETER NAME	DESCRIPTION	DATA TYPE
report_name	Name of the report	string
notification_id	Unique identifier for the notification	string
notification_date	Date and time when the notification was generated Timestamp is delivered in UTC and in the YYYY-MM-DD hh:mm:ss format	string
score_request_id	The WMC-Global-assigned unique identifier for the RISQ Score request	string
status	Status of the RISQ Score request	string
error_code	Error code	string
error_description	Error description	string

RETRY OF FAILED NOTIFICATIONS

If the API user-provided endpoints respond with a non 200-level HTTP status code, then the notification is considered to have failed. When a message fails, it is put into a retry queue where it will be resent for 72 hours or until the system receives a 200-level response.

APPENDIX

Appendix A – Error Codes

The list of error codes sent by our APIs is included below:

HTTP STATUS CODE	ERROR CODE	DESCRIPTION
401	1000	Invalid username or password
401	1001	Missing or invalid authentication token
500	1002	A system error has occurred; please try again later or contact support
402	1003	No credits available for your organization; please contact support to add more
400	1004	HTTP Request is not formed properly; refer to the API spec for guidance
403	1005	Missing or invalid API key
403	1006	API key not found
400	1025	HTTP Request body contains bad or incomplete data; check the following fields: xxx
400	1026	No matching request found in the database for record ID: xxxx- xxxxxxxx-xxxx-xxxx
400	1027	No companies found; please use the /corpreg endpoint if you would like to retrieve additional results or submit without selecting a company
400	1028	HTTP Request body contains data that exceeds the field limit; check the following fields: [xxx]
400	1029	No companies found; please use the /fein endpoint if you would like to retrieve additional results or submit without selecting a company

400	1030	No matching request found in the database for record ID: xxxx- xxxxxxxx-xxxx-xxxx
400	1031	No matching request found in the database for Company key: xx
400	1032	Request submitted already; use the /scorerequests endpoint if you would like to select a different company
400	1033	Campaign limit exceeded; retry the submission using fewer than 100 campaigns
400	1034	An FEIN search has already been performed for the provided record ID; please use the /corpreg endpoint if you would like to retrieve additional results
400	1035	A corporate registration search has already been performed for the provided record ID; please use the /fein endpoint if you would like to retrieve additional results
400	1036	The type does not match the company key submitted; please ensure the submitted company key is associated with the call type that returned that company key
400	1037	Please perform searches on both /fein and /corpreg endpoints and ensure that none of the companies returned are correct before submitting a type of "None"
400	1040	A request with this exact data has already been submitted and has a status of Pre-Pending; the data is associated with the following ID: xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx
429	1045	Too many requests

N/A	2000	RISQ Score has been flagged for internal review
N/A	2001	RISQ Score has been cancelled