



Property & Inland Marine  
**General API Documentation**



Thank you for your business with Great American Insurance Group. We're excited to work with you to streamline your business by integrating our data into your platform.

In this guide, you'll find:

- A high-level overview of how each service connects
- How to access to our APIs
- An overview of each available service
- Links and instructions to access detailed API documentation

If we can be of assistance, please contact us at [drm@gaig.com](mailto:drm@gaig.com).

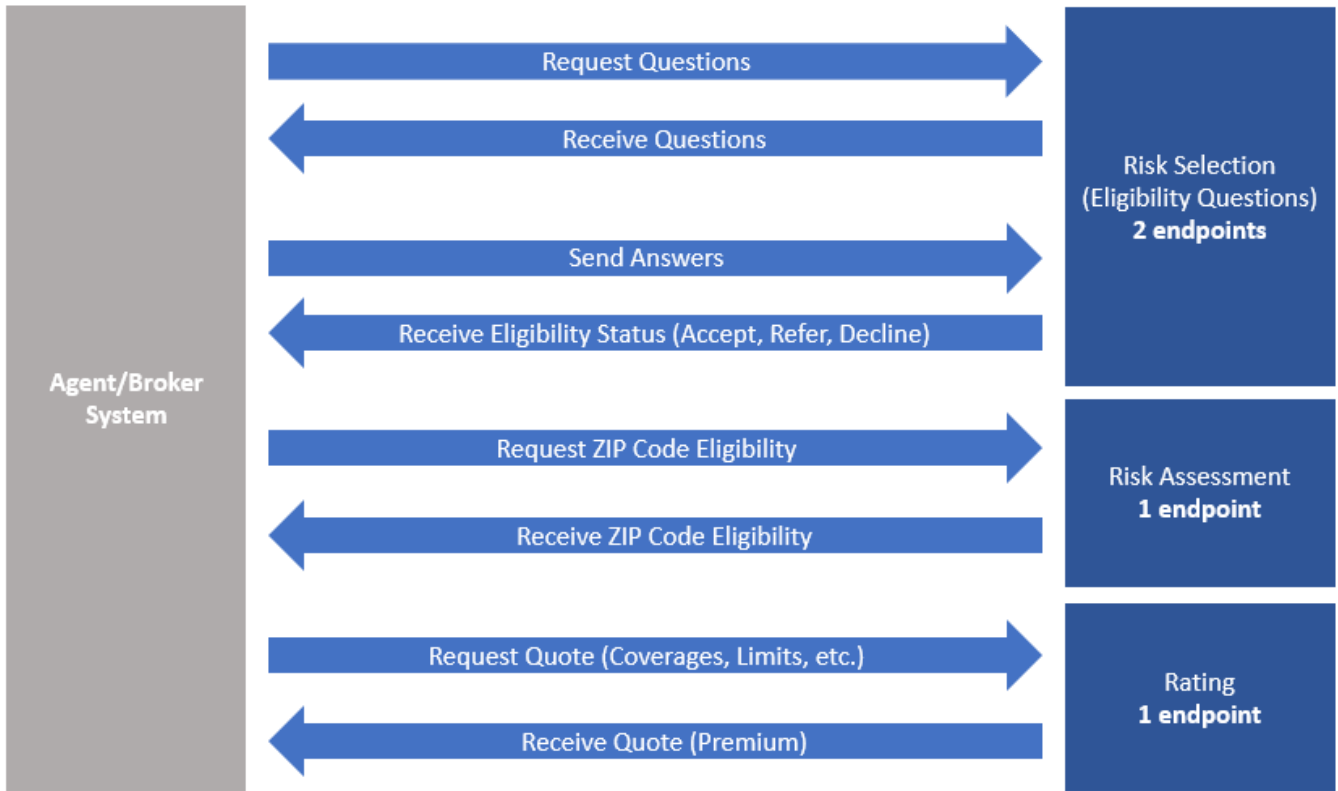
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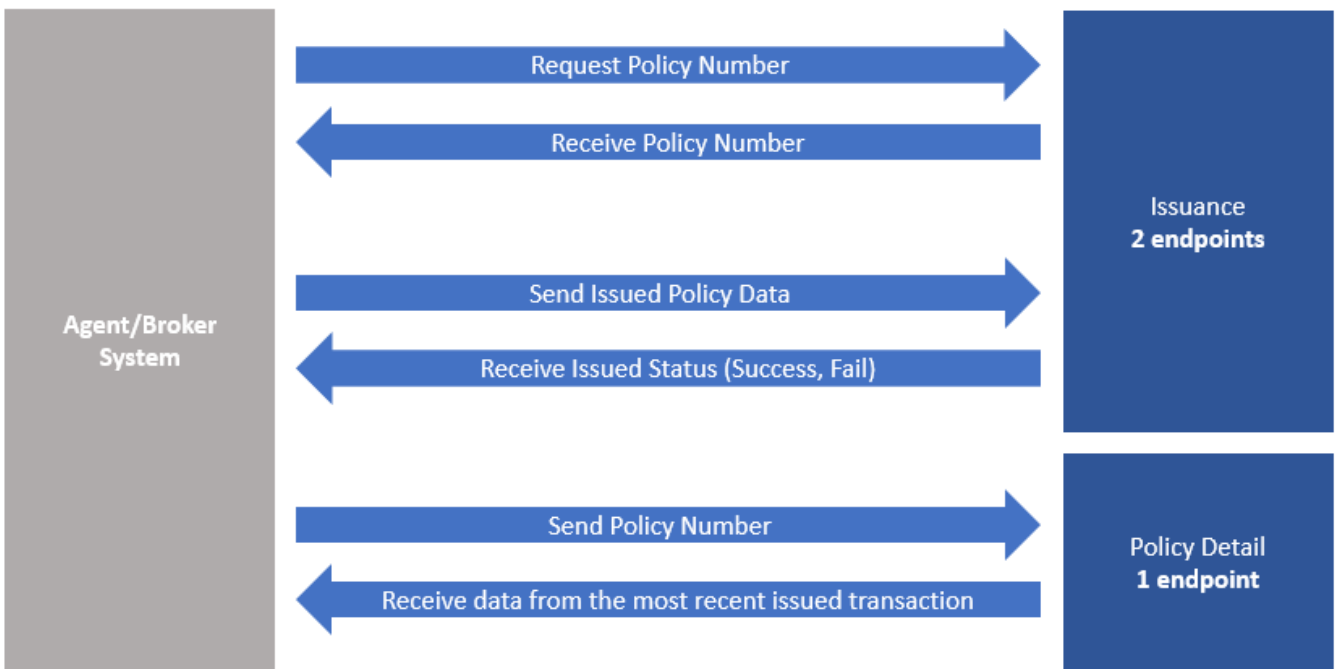
# Process Diagram and Data Flow

The below sections outline the general rating and issuance data flow for Property & Inland Marine APIs.

## Eligibility and Rating



## Policy Issuance



## How to Access our APIs

### Authorization

All service endpoints are secured with OAuth 2.0, using the client credentials grant type. An OAuth token can be generated by making a request to the token endpoint with the assigned client credentials.

### Endpoints

Environment	URL
UAT	https://uat01.api.gaig.com/oauth/token
PROD*	https://prod01.api.gaig.com/oauth/token

*\*Application IP address must be whitelisted to access Production*

### Request Notes

- **Method:** POST
- **Authorization:** Basic {{base64 encoded clientId:clientSecret}}
- **Content-Type:** application/x-www-form-urlencoded
  - o grant\_type=client\_credentials

### Example UAT HTTP Request

```
POST /oauth/token HTTP/1.1
Host: uat01.api.gaig.com
Authorization: Basic {{base64 encoded clientId:clientSecret}}
Content-Type: application/x-www-form-urlencoded
Content-Length: 29

grant_type=client_credentials
```

### Base URLs

Below are the base URLs for each environment. To access a given service, append the endpoint to each URL.

Environment	Base URL
UAT	https://uat01.api.gaig.com
PROD	https://prod01.api.gaig.com

## Services

This section includes service specific details.

### Risk Selection

The Risk Selection Service allows the user to retrieve a list of questions needed to rate and issue a policy, as well as the ability to submit the answers to those questions to have an eligibility status returned.

#### Endpoints

Endpoint	Method	Description
<a href="#">/risk-selection/api/docs/lines</a>	POST	Get the valid values for the line(s) of business configured for your credentials.
<a href="#">/risk-selection/api/questionSet</a>	POST	Rate an insurance product.
<a href="#">/risk-selection/api/createAnswerSession</a>	POST	Generate a new questionnaire submission.

#### General Documentation

The general documentation for this service can be accessed [here](#).

#### Detailed Documentation

More detailed documentation can be found by making an API call to the Risk Selection Service Dynamic Documentation. Use the documentation to get the list of products configured to your credentials, pull context data and get question set criteria. Detail on how to call the documentation endpoints can be found [here](#).

### Risk Assessment

The Risk Assessment Service produces eligibility data based on ZIP Code for a given type of risk.

#### Endpoints

Endpoint	Method	Description	Detailed Docs Available
<a href="#">/api/zipGuidelines</a>	POST	Produces eligibility data for Convective Wind, Earthquake, Hurricane Wind, and Terrorism based on a Zip Code	Yes

#### General Documentation

The general documentation for this service can be accessed [here](#).

#### Detailed Documentation

More detailed documentation on the [/api/zipGuidelines](#) endpoint can be found by making an API call to the Risk Assessment Dynamic Documentation. Use this endpoint to get specific request and response body details, which can vary based on factors such as the consumer, business division and product. Details on how to call the documentation endpoint are below:

#### Request Details

Endpoint	Method	Description
<a href="#">risk-assessment/policy/api/docs</a>	POST	Get dynamic API documentation

#### Request Body Fields

Field	Type	Required	Description	Valid Values
<b>type</b>	String	True	Get documentation on the API Request or Response.	request, response
<b>endpoint</b>	String	True	One of the available API endpoints.	<a href="#">/api/zipGuidelines</a>
<b>format</b>	String	True	Return API fields or return all metadata for each field.	json, details

### Sample JSON requests

Documentation Request Type	Request
Return sample JSON request fields.	<pre>{   "type": "request",   "endpoint": "/api/zipGuidelines ",   "format": "json" }</pre>
Return sample JSON response fields.	<pre>{   "type": "response",   "endpoint": "/api/zipGuidelines ",   "format": "json" }</pre>
Return metadata (description, required, datatype) for request fields.	<pre>{   "type": "request",   "endpoint": "/api/zipGuidelines",   "format": "details" }</pre>
Return metadata (description, required, datatype) for response fields.	<pre>{   "type": "response",   "endpoint": "/api/zipGuidelines",   "format": "details" }</pre>

### Rating

The Rating Service allows for rating an insurance product. The primary inputs include information like locations, coverages, limits and deductibles. The primary outputs are rates and premiums.

### Endpoints

Endpoint	Method	Description	Detailed Docs Available
<a href="#">/rating/api/products</a>	POST	Get the valid values for the line(s) of business configured for your credentials.	No
<a href="#">/rating/api/rate</a>	POST	Rate an insurance product.	Yes

### General Documentation

The general documentation for this service can be accessed [here](#).

## Detailed Documentation

More detailed documentation can be found by making an API call to the Rating Service Dynamic Documentation. Use this endpoint to get specific request and response body details, which can vary based on factors such as the consumer, business division and product. Details on how to call the documentation endpoint are below:

### Request Details

Endpoint	Method	Description
/rating/api/docs	POST	Get dynamic API documentation

### Request Body Fields

Field	Type	Required	Description	Valid Values
type	String	True	Get documentation on the API Request or Response.	request, response
endpoint	String	True	One of the available API endpoints.	/api/rate
format	String	True	Return API fields or return all metadata for each field.	json, details
product	String	True	Product (ex. Motor Truck Cargo)	mtcqq, pimceqq
scope	Object	False	Additional scoping necessary for the request.	

### Sample JSON requests

Documentation Request Type	Json Request
Return sample JSON request fields	<pre>{   "endpoint": "/api/rate",   "product": "mtcqq",   "type": "request",   "format": "json" }</pre>
Return sample JSON response fields	<pre>{   "endpoint": "/api/rate",   "product": "mtcqq",   "type": "response",   "format": "json" }</pre>
Return metadata (description, required, datatype) for request fields.	<pre>{   "endpoint": "/api/rate",   "product": "mtcqq",   "type": "request",   "format": "details" }</pre>
Return metadata (description, required, datatype) for response fields.	<pre>{   "endpoint": "/api/rate",   "product": "mtcqq",   "type": "response",   "format": "details" }</pre>

## Issuance

The Issuance Service can generate unique policy numbers and issue transactions for a policy. Using the Rating ID value generated in the Rating response, quotes can quickly be issued without re-submitting quote details.

### Endpoints

Endpoint	Method	Description	Detailed Docs Available
<code>/issuance/api/policyNumber</code>	GET	Generate a new unique policy number.	No
<code>/issuance/api/issue</code>	POST	Issue a transaction for a policy by providing all the data necessary for the given transaction.	Yes

### General Documentation

The general documentation for this service can be accessed [here](#).

### Detailed Documentation

More detailed documentation on the `/api/issue` endpoint can be found by making an API call to the Issuance Service Dynamic Documentation. Use this endpoint to get specific request and response body details, which can vary based on factors such as the consumer, business division and product. Details on how to call the documentation endpoint are below:

#### Request Details

Endpoint	Method	Description
<code>/issuance/api/docs</code>	POST	Get dynamic API documentation for a given company and application.

#### Request Body Fields

Field	Type	Required	Description	Valid Values
<code>type</code>	String	True	Get documentation on the API Request or Response.	request, response
<code>endpoint</code>	String	True	One of the available API endpoints.	<code>/api/issue</code>
<code>format</code>	String	True	Return API fields or return all metadata for each field.	json, details
<code>product</code>	String	True	Product (ex. Motor Truck Cargo)	MTC, CE, BR
<code>scope</code>	Object	False	Additional scoping necessary for the request.	
<code>ratingIntegration</code>	String	True	<i>Scoping field</i> True if passing in a rating ID from <code>/api/rating</code> .	true
<code>transactionType</code>	String	True	<i>Scoping field</i> Policy transaction type.	NBS, ENDT, CANC, REN



## Sample JSON requests

Documentation Request Type	Json Request
Return sample JSON request fields for New Business Transactions.	<pre>{   "type": "request",   "endpoint": "/api/issue",   "format": "json",   "scope": {     "product": "MTC",     "ratingIntegration": "true",     "transactionType": "NBS"   } }</pre>
Return sample JSON response fields for New Business Transactions.	<pre>{   "type": "response",   "endpoint": "/api/issue",   "format": "json",   "scope": {     "product": "MTC",     "ratingIntegration": "true",     "transactionType": "NBS"   } }</pre>
Return metadata (description, required, datatype) for request fields for New Business Transactions.	<pre>{   "type": "request",   "endpoint": "/api/issue",   "format": "details",   "scope": {     "product": "MTC",     "ratingIntegration": "true",     "transactionType": "NBS"   } }</pre>
Return metadata (description, required, datatype) for response fields for New Business Transactions.	<pre>{   "type": "response",   "endpoint": "/api/issue",   "format": "details",   "scope": {     "product": "MTC",     "ratingIntegration": "true",     "transactionType": "NBS"   } }</pre>

## Policy

The Policy Service is used to retrieve policy data from the most recent issued transaction.

### Endpoints

Endpoint	Method	Description	Detailed Docs Available
/policy/api/policy	POST	Get policy information.	Yes

### General Documentation

The general documentation for this service can be accessed [here](#).

### Detailed Documentation

More detailed documentation on the /api/policy endpoint can be found by making an API call to the Issuance Service Dynamic Documentation. Use this endpoint to get specific request and response body details, which can vary based on factors such as the consumer, business division and product. Details on how to call the documentation endpoint are below:

#### Request Details

Endpoint	Method	Description
/policy/api/docs	POST	Get dynamic API documentation

#### Request Body Fields

Field	Type	Required	Description	Valid Values
type	String	True	Get documentation on the API Request or Response.	request, response
endpoint	String	True	One of the available API endpoints.	/api/policy
format	String	True	Return API fields or return all metadata for each field.	json, details

#### Sample JSON requests

Documentation Request Type	Request
Return sample JSON request fields.	<pre>{   "type": "request",   "endpoint": "/api/policy",   "format": "json" }</pre>
Return sample JSON response fields.	<pre>{   "type": "response",   "endpoint": "/api/policy",   "format": "json" }</pre>
Return metadata (description, required, datatype) for request fields.	<pre>{   "type": "request",   "endpoint": "/api/policy",   "format": "details" }</pre>
Return metadata (description, required, datatype) for response fields.	<pre>{   "type": "response",   "endpoint": "/api/policy",   "format": "details" }</pre>

## Document

Send and retrieve documents in our electronic content management system.

### Endpoints

Endpoint	Method	Description	Detailed Docs Available
<code>/api/{category}/documents/{documentType}</code>	POST	Add document	No
<code>/api/{category}/documents/{documentId}</code>	GET	Retrieve Document Metadata	No
<code>/api/{category}/documents/{documentId}/contents</code>	GET	Retrieve Document Contents	No
<code>/api/{category}/documents/{documentId}</code>	PATCH	Update Document Metadata	No

### General Documentation

The general documentation for this service can be accessed [here](#).



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