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Trading Partner Profile Certification API



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Trading Partner Profile Certification API

This guide is for SAP Business Network buyers who want to use the **Trading Partner Profile Certification API** to retrieve details of supplier certifications and download certification files from supplier profiles.

This guide applies to:

- SAP Ariba APIs
- SAP Ariba Developer Portal

Endpoints Included in the Trading Partner Profile Certification API

This API includes the following endpoints:

Table 1:

Endpoint	Description
GET /v1/certifications?tradingPartnerId={org-an-id}	Retrieves the list of certifications of the specified supplier from their company profile.
GET /v1/certifications/{certificationId}/versions/{versionId}/attachment	Downloads a specific certification file.

Prerequisites

- You must have a valid SAP Business Network Buyer Account to use the **Trading Partner Profile Certification API**.
- To create an application and request access to use the SAP Ariba APIs relevant to this feature, you must have access to the SAP Ariba Developer Portal. For details refer to [Steps to Start Using the SAP Ariba APIs in Help for the SAP Ariba Developer Portal](#).
- All queries made to this API must be authenticated using OAuth authentication. For details refer to [SAP Ariba Developer Portal Authentication in Help for the SAP Ariba Developer Portal](#).

Related Guides

[Help for the SAP Ariba Developer Portal](#)

Retrieving Supplier Certification List Using the

Trading Partner Profile Certification API

Prerequisites

- You must have a valid SAP Business Network Buyer Account to use the Trading Partner Profile Certification API.
- You need the ANID of the supplier whose certification information you want to obtain.
- To create an application and request access to use the SAP Ariba APIs relevant to this feature, you must have access to the SAP Ariba Developer Portal. For details refer to [Steps to Start Using the SAP Ariba APIs in Help for the SAP Ariba Developer Portal](#).
- All queries made to this API must be authenticated using OAuth authentication. For details refer to [SAP Ariba Developer Portal Authentication](#) in [Help for the SAP Ariba Developer Portal](#).

Context

The Trading Partner Profile Certification API allows you to retrieve a supplier's list of certifications from their company profile.

SAP Business Network uses a three-level hierarchy to organize supplier certifications: classification, certification type, and certification name. The classification is the highest level and includes the following seven categories:

- **Supplier Diversity:** Certifications related to businesses that are owned, controlled, and operated by individuals who are part of historically underrepresented groups, such as women, minorities, LGBTQ+, veterans, and individuals with disabilities.
- **Environmental:** Certifications related to businesses that demonstrate environmentally responsible practices, such as reducing waste, conserving energy, and reducing pollution.
- **Energy:** Certifications related to businesses that promote energy efficiency and renewable energy sources, such as solar or wind power.
- **Social Enterprise:** Certifications related to businesses that have a social or environmental mission and are committed to creating a positive impact in their communities.
- **Quality:** Certifications related to businesses that demonstrate a commitment to quality management systems and processes.
- **Security:** Certifications related to businesses that demonstrate a commitment to information security and risk management.
- **Other:** Certifications that do not fit into the above categories.

The second level of the hierarchy is the certification type. Each classification includes several certification types. For example, the **Supplier Diversity** classification includes six certification types: Small Business, Women-owned Business, Minority-owned Business, Veteran-owned Business, LGBT-Owned Business, and Disability-Owned Business. The certification type further specifies the kind of certification a business has earned.

The lowest level of the hierarchy is the certification name. Each certification type includes different certifications. For example, Small Disadvantaged Business (SDB), 8(a) Business Development Program, and HUBZone

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(Historically Underutilized Business Zone Program) all fall into the Small Business type of certifications. Certification names provide more detailed information about the specific certification a business has earned.

Procedure

1. To obtain the list of certifications of a supplier, use the following endpoint:

```
GET {{runtime_url}}/v1/certifications?tradingPartnerId={org-an-id}
```

runtime_url Replace it with the desired runtime URL from the **Environment Details** table on the SAP Ariba Developer Portal discovery page for this API.

org-an-id Replace it with the target supplier's ANID

If the query is successful, the response includes the following certification information.

	Response Field	Description
Certification details	id	The UUID of the certification.
	certificationName	Name of the certification, for example, "ISO 14001 Certified (Environmental Management)"
	certificationTypeName	Specific type of the certification, for example "Environmental ISO". The certification type is used to manage certifications. Each certification type includes multiple certification names.
	certificationClassificationName	Broader classification of the certification, for example "Environmental". The certification classification is used to manage certification types. Each certification classification includes multiple certification types.
	versions	Different instances of the certification that a supplier has achieved. If a supplier has successfully passed a certification multiple times, they can include multiple instances of the certification to demonstrate their ongoing commitment and consistent adherence to the standards outlined in the certification process.
Certification instance details	id	The UUID of a certification instance.
	certificationNumber	A unique identifier associated with the certification.
	issueDate	Date when the certification was issued.
	expirationDate	Date when the certification expires.
	publicationYear	Year when the certification was issued.

Response Field	Description
issuerName	Agency issuing the certification.
issuerLocationName	Location of the issuing agency.
hasAttachment	Whether the supplier has uploaded an attachment for the certification version.
additionalInformation	Any additional information provided by the supplier.
status	Indicates whether the certification has been verified by a third party or SAP Business Network. Value: FOR_VERIFICATION: The certification is waiting for verification.

```
{
  "certifications": [
    {
      "id": "9100c561-728f-427f-8b1d-f720ff460a82",
      "certificationName": "ISO 14001 Certified (Environmental
Management)",
      "certificationTypeName": "Environmental ISO",
      "certificationClassificationName": "Environmental",
      "versions": [
        {
          "id": "e82a6af1-35c5-4e20-8716-cfb497f1ebd8",
          "certificationNumber": "14001",
          "issueDate": "2023-10-08T16:00:00Z",
          "expirationDate": "2023-12-28T16:00:00Z",
          "publicationYear": 2015,
          "issuerName": "ISO Council",
          "issuerLocationName": "United States",
          "hasAttachment": true,
          "additionalInformation": "Certificated on Oct 9",
          "status": "FOR_VERIFICATION"
        }
      ]
    },
    {
      "id": "bc6fecbc-f167-4ae3-843b-22837833d2d3",
      "certificationName": "WBENC (Women's Business Enterprise National
Council)",
      "certificationTypeName": "Women-Owned Business",
      "certificationClassificationName": "Supplier Diversity",
      "versions": [
        {
          "id": "499ce989-4ad9-4f98-a41f-ae44b1b41b09",
          "certificationNumber": "200002018",
          "issueDate": "2023-11-30T16:00:00Z",
          "expirationDate": "2023-12-14T16:00:00Z",
          "issuerName": "Women's Business Enterprise National Council",
          "issuerLocationName": "United States",
          "hasAttachment": true,
          "additionalInformation": "Certificated on Dec 1 2023",
          "status": "FOR_VERIFICATION"
        },
        {
          "id": "37dea46c-872a-4731-a0e8-a7f03572c8af",
          "certificationNumber": "200002017",

```

```

    "issueDate": "2023-10-01T16:00:00Z",
    "expirationDate": "2023-11-29T16:00:00Z",
    "issuerName": "Women's Business Enterprise National Council",
    "issuerLocationName": "United States",
    "hasAttachment": false,
    "additionalInformation": "Certificated on Oct 2",
    "status": "FOR_VERIFICATION"
  }
}

```

If the query is unsuccessful, the response will include an error message. Refer to [Error Messages Returned by the Trading Partner Profile Certification API \[page 10\]](#) for a list of specific error messages related to this API.

2. Parse or format the response data as needed.

ⓘ Note

This step is not performed using the API. It can be executed programmatically or manually based on your preference.

Downloading Certification Files Using the Trading

Partner Profile Certification API

Prerequisites

- You must have a valid SAP Business Network Buyer Account to use the Trading Partner Profile Certification API.
- To create an application and request access to use the SAP Ariba APIs relevant to this feature, you must have access to the SAP Ariba Developer Portal. For details refer to [Steps to Start Using the SAP Ariba APIs](#) in [Help for the SAP Ariba Developer Portal](#).
- All queries made to this API must be authenticated using OAuth authentication. For details refer to [SAP Ariba Developer Portal Authentication](#) in [Help for the SAP Ariba Developer Portal](#).

Context

Use this procedure to download certification files from a supplier profile.

Procedure

1. Use the following endpoint to obtain the certification ID and certification instance ID of the certification file you wish to download:

```
GET {{runtime_url}}/v1/certifications?tradingPartnerId={org-an-id}
```

In the output, *id* in the certification details part is the certification ID, and *id* in the certification instance details part is the certification instance ID. For details, refer to [Retrieving Supplier Certification List Using the Trading Partner Profile Certification API \[page 4\]](#).

2. Use the following endpoint to download the desired certification file:

```
GET {{runtime_url}}/v1/certifications/{certificationId}/versions/{versionId}/attachment
```

runtime_url Replace it with the desired runtime URL from the **Environment Details** table on the SAP Ariba Developer Portal discovery page for this API.

certificationId and versionId Replace them with the certification ID and certification instance ID obtained in the first step.

If the query is unsuccessful, the response will include an error message. Refer to [Error Messages Returned by the Trading Partner Profile Certification API \[page 10\]](#) for a list of specific error messages related to this API.

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Specification for Language Localization in GET Requests

When making a GET request to the **Trading Partner Profile Certification API**, you have the option to specify the language for localized fields. You can request localized fields for any language that is supported on SAP Business Network.

To request localized fields within a GET request, you must include the **Accept - Language** header key in your API call. Specify the desired language or language/country identifier in the **Value** field to indicate the localized fields you wish to retrieve.

You can input either the language code or the language/country identifier in the **Value** field for **Accept - Language**. For instance, entering "de" will retrieve field names localized in German. If you are specifically looking for fields in Austrian German, input "de-AT". The system will prioritize fields localized to "de-AT". If none are found, it will return fields localized for the default German ("de"). In the absence of localized fields for the requested language, or if the **Accept - Language** header key is not selected, the API will return fields in English (en-US) by default.

Note

- For Chinese, entering "zh" or "zh-CN" will return localized fields in Simplified Chinese (zh-CN). To obtain localized fields in Traditional Chinese, use "zh-TW".
- For Portuguese, if "pt" or "pt-PT" is specified, fields will be returned in English. To retrieve fields in Brazilian Portuguese, input "pt-BR".

The API response includes the localized value for each field along with the corresponding language identifier within the "name" variable.

certificationName, **issuerName**, and **issuerLocationName** values are not localized when suppliers provide a self-defined value rather than selecting from the system's pre-defined list. Additionally, the **AdditionalInformation** field doesn't support localization.

Error Messages Returned by the Trading Partner Profile Certification API

Use this information to troubleshoot your SAP Business Network Trading Partner Profile Certification API queries.

Error Code	Message	Description
400	Bad request	All URL and request parameter parsing errors will result in this code being returned.
401	The user does not have the permission to query certifications. The user does not have the permission to download attachments.	Your OAuth token is invalid or missing. Double-check the OAuth token, then re-submit.
403	The request is forbidden.	Your query attempts to access a resource for which it does not have permission.
404	Certification attachment not found.	The server has not found anything matching the Request-URL.
500	Internal error occurs	The server encountered an unexpected condition which prevented it from fulfilling the request.

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