# Service Providing Group Product Application

Relation uniquely linking a service providing group and a system operator for a product type, for the SPG to deliver a product to the SO later.

## Application status transitions

The following diagram shows the status transitions for service providing group applications. This resource supports the application process and is updated as it progresses.

The service provider is responsible for creating a new SPG product application. Initially, the status is set to requested. The system operator then takes over until the application is either prequalified, verified or rejected. If it rejected, the service provider can make updates and propose the application again.

[Full Size](../diagrams/service_providing_group_product_application_status.png) | [Graphviz description](../diagrams/service_providing_group_product_application_status.plantuml) | [How to read the diagram](./index.md#status)

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| Service provider product application status transitions |

Service provider product application status transitions

## Relevant links

* [API Documentation](../api/v0/index.html#/operations/list_service_providing_group_product_application)
* [Download docx](../download/service_providing_group_product_application.docx)

## Fields

| Name | Description | Format | Reference |
| --- | --- | --- | --- |
| id | Unique surrogate identifier. | bigintRead only |  |
| service\_providing\_group\_id | Reference to the service providing group. | bigintRequiredNon-updatable | [service\_providing\_group.id](service_providing_group.md#field-id) |
| procuring\_system\_operator\_id | Reference to the procuring system operator. | bigintRequiredNon-updatable | [party.id](party.md#field-id) |
| product\_type\_ids | References to the product types. | RequiredArray of bigint | [product\_type.id](product_type.md#field-id) |
| status | The status of the application. | textOne of: requested, prequalification\_pending, in\_progress, temporary\_qualified, prequalified, verified, rejectedDefault: requested |  |
| notes | Free text notes on the current product application status. | textMax length: 512 |  |
| prequalified\_at | When the product application was last prequalified. | timestamp with time zone |  |
| verified\_at | When the product application was last verified. | timestamp with time zone |  |
| recorded\_at | When the resource was recorded (created or updated) in the system. | timestamp with time zoneRead only |  |
| recorded\_by | The identity that recorded the resource. | bigintRead only |  |

## Validation Rules

| Validation rule key | Validation rule | Status |
| --- | --- | --- |
| SPGPA-VAL001 | Product applications can only be created on active SPGs. | DONE |
| SPGPA-VAL002 | Product applications can only be created on active system operator product types. | DONE |
| SPGPA-VAL003 | The SP opening the product application must be qualified for all the product types by the SO. | DONE |
| SPGPA-VAL004 | If status is set to prequalified, then prequalified\_at must already be specified in the resource or the request. | DONE |
| SPGPA-VAL005 | If status is set to verified, then verified\_at must already be specified in the resource or the request. | DONE |
| SPGPA-VAL006 | If status is set to rejected, then both prequalified\_at and verified\_at must be unset in the resource or by the request. | DONE |

## Notifications

| Action | Recipient | Comment |
| --- | --- | --- |
| create, update | Procuring SO, SP of SPG |  |

## Authorization

### Resource Level Authorization

Below is the [RLA](../technical/auth.md#resource-level-authorization-rla) for the resource. The default policy is **deny**.

#### Anonymous

No policies.

#### Common

| Policy key | Policy | Status |
| --- | --- | --- |
| SPGPA-COM001 | Read history on SPGPA that they can read. | DONE |

#### Balance Responsible Party

No policies.

#### End User

No policies.

#### Energy Supplier

No policies.

#### Flexibility Information System Operator

| Policy key | Policy | Status |
| --- | --- | --- |
| SPGPA-FISO001 | Read and update all SPGPA. | DONE |

#### Market Operator

No policies.

#### Organisation

No policies.

#### System Operator

| Policy key | Policy | Status |
| --- | --- | --- |
| SPGPA-SO001 | Read SPGPA for SPGs that have at least one SPGPA targeting the SO. | DONE |
| SPGPA-SO002 | Update SPGPA targeting them. | DONE |

#### Service Provider

| Policy key | Policy | Status |
| --- | --- | --- |
| SPGPA-SP001 | Create and read SPGPA for SPG they are in charge for. | DONE |
| SPGPA-SP002 | Update SPGPA for SPG they are in charge for, when the status is requested. | DONE |

#### Third Party

No policies.

### Field Level Authorization

For party type abbreviations, check [the auth docs](../technical/auth.md#party-market-actors)

| FIELD | ANON | BRP | ES | EU | FISO | MO | SO | SP | TP | ORG |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| id |  | R | R | R | R | R | R | R | R |  |
| service\_providing\_group\_id |  | R | R | R | R | R | R | RC | R |  |
| procuring\_system\_operator\_id |  | R | R | R | R | R | R | RC | R |  |
| product\_type\_ids |  | R | R | R | RU | R | RU | RCU | R |  |
| status |  | R | R | R | RU | R | RU | RU | R |  |
| notes |  | R | R | R | RU | R | RU | R | R |  |
| prequalified\_at |  | R | R | R | RU | R | RU | R | R |  |
| verified\_at |  | R | R | R | RU | R | RU | R | R |  |
| recorded\_at |  | R | R | R | R | R | R | R | R |  |
| recorded\_by |  | R | R | R | R | R | R | R | R |  |