# Service Provider Product Suspension

The relation allowing a procuring system operator to temporarily suspend a service provider from delivering them products of the given types.

## Relevant links

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

## Fields

| Name | Description | Format | Reference |
| --- | --- | --- | --- |
| id | Unique surrogate identifier. | bigintRead only |  |
| procuring\_system\_operator\_id | Reference to the procuring system operator suspending the service provider. | bigintNon-updatableDefaults to the system operator creating the resource. | [party.id](party.md#field-id) |
| service\_provider\_id | Reference to the service provider being suspended. | bigintRequiredNon-updatable | [party.id](party.md#field-id) |
| product\_type\_ids | References to the suspended product types. | RequiredArray of bigint | [product\_type.id](product_type.md#field-id) |
| reason | The reason for the suspension. | textOne of: communication\_issues, failing\_heartbeat, system\_issues, clearing\_issues, failed\_verification, otherRequired |  |
| 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 |
| --- | --- | --- |
| SPPS-VAL001 | Suspended product\_type\_ids must be product types that the SO has qualified the SP for. | DONE |

## Notifications

| Action | Recipient | Comment |
| --- | --- | --- |
| create, update, delete | SP | Suspended SP |
| create, update, delete | SO | All PSOs procuring the same product type from the same SP |

## 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

No policies.

#### Balance Responsible Party

No policies.

#### End User

No policies.

#### Energy Supplier

No policies.

#### Flexibility Information System Operator

| Policy key | Policy | Status |
| --- | --- | --- |
| SPPS-FISO001 | Create, read, update and delete all SPPS. | DONE |
| SPPS-FISO002 | Read all SPPS history. | DONE |

#### Market Operator

No policies.

#### Organisation

No policies.

#### System Operator

| Policy key | Policy | Status |
| --- | --- | --- |
| SPPS-SO001 | Create, read, update and delete their own SPPS. | DONE |
| SPPS-SO002 | Read history on their own SPPS. | DONE |
| SPPS-SO003 | Read SPPS targeted at any SP they have qualified for at least one of the product types. | DONE |
| SPPS-SO004 | Read history on SPPS targeted at any SP they had qualified for at least one of the product types. | DONE |

#### Service Provider

| Policy key | Policy | Status |
| --- | --- | --- |
| SPPS-SP001 | Read SPPS targeting them. | DONE |
| SPPS-SP002 | Read history on SPPS targeting them. | 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 |  |
| procuring\_system\_operator\_id |  | R | R | R | RC | R | RC | R | R |  |
| service\_provider\_id |  | R | R | R | RC | R | RC | R | R |  |
| product\_type\_ids |  | R | R | R | RCU | R | RCU | R | R |  |
| reason |  | R | R | R | RCU | R | RCU | R | R |  |
| recorded\_at |  | R | R | R | R | R | R | R | R |  |
| recorded\_by |  | R | R | R | R | R | R | R | R |  |