# GetDocuments

## Purpose

To enable states to pull actionable items (new registrations/updates) from SST registration system, each item is called a Document and has a unique DocumentId

## How it works

When a state sends a GetDocuments request they provide an “AcknowledgementStatus” code which can be

* Unacknowledged (“U”): This means that the state is asking for documents they didn’t acknowledge yet or they rejected. A document will stay unacknowledged until the state acknowledges it (explicitly or implicitly)[[1]](#footnote-1) by including the document in an AcknowledgeTransmission call. If a registration (SSTID) has more than one unacknowledged document (with the same action code) the system will only respond with the most recent one[[2]](#footnote-2).
* Acknowledged (“A”): This will return the most recent acknowledged documents per registration (SSTID) and ActionCode regardless if there are newer unacknowledged/rejected documents.
* Rejected (“R”): This will return the most recent rejected documents per registration (SSTID) and ActionCode regardless if there are newer unacknowledged documents.
* All (“Z”): This will return the most recent documents per registration (SSTID) and ActionCode regardless of their acknowledgement status

## Rules

1. Calling GetDocuments for unacknowledged or all documents will keep returning the document (or a more recent one) if it wasn’t acknowledged/rejected by calling AcknowledgeTransmission
2. A registration (SSTID) can have up to 3 documents within a single transmission (GetDocuments call), each with a different ActionCode (N, C, and O or U). The state may need to examine the effective date to understand the chronological order of actions.

# AcknowledgeTransmission

## Purpose

To inform SST registration system that the state acknowledges/rejects a transmission

## How it works

The state can send an AcknowledgeTransmission request providing how they want to respond to the transmission/document by either acknowledging it using “A” or rejecting it using “R” (with reason(s) expressed as a list of errors).

* Acknowledging a transmission means that it was received and the header is valid
* Acknowledging a document means that it was received and processed

Acknowledging or rejecting a transmission/document will not affect data within SST but it will allow SSTGB and the state to keep track of how their systems are synced.

## Rules

1. Acknowledging/rejecting a document will fail if there is a more recent acknowledged/rejected document with the same SSTPID
2. Acknowledging a document (with “A”) will implicitly acknowledge (with “A”) all older documents that have the same SSTPID
3. Rejecting a document (with “R”) will not affect other documents, but this can be changed to “A” if the document was implicitly acknowledged (with “A”) as R4 states

# Examples

Examples are concerned with all documents for a single SSTPID

## Case1

SST Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| DocumentId | SSTPID | ActionCode | EffectiveDate | Acknowledgment Status |
| SSTREG00115335000001 | S00002202 | N | 12/1/2015 | U |
| SSTREG00115335000002 | S00002202 | C | 12/1/2015 | U |
| SSTREG00115336000066 | S00002202 | C | 12/2/2015 | U |
| SSTREG00115337000098 | S00002202 | U | 12/3/2015 | U |

Calling GetDocuments with “U” will return:

|  |  |  |  |
| --- | --- | --- | --- |
| DocumentId | SSTPID | ActionCode | EffectiveDate |
| SSTREG00115335000001 | S00002202 | N | 12/1/2015 |
| SSTREG00115336000066 | S00002202 | C | 12/2/2015 |
| SSTREG00115337000098 | S00002202 | U | 12/3/2015 |

Then the state sends an AcknowledgeTransmission request with “A” for SSTREG00115336000066, this will implicitly acknowledge SSTREG00115335000001 (R5) and SSTREG00115335000002 (R4)

SST Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| DocumentId | SSTPID | ActionCode | EffectiveDate | Acknowledgment Status |
| SSTREG00115335000001 | S00002202 | N | 12/1/2015 | A |
| SSTREG00115335000002 | S00002202 | C | 12/1/2015 | A |
| SSTREG00115336000066 | S00002202 | C | 12/2/2015 | A |
| SSTREG00115337000098 | S00002202 | U | 12/3/2015 | U |

Calling GetDocuments with “U” will return:

|  |  |  |  |
| --- | --- | --- | --- |
| DocumentId | SSTPID | ActionCode | EffectiveDate |
| SSTREG00115337000098 | S00002202 | U | 12/3/2015 |

Calling GetDocuments with “A” will return:

|  |  |  |  |
| --- | --- | --- | --- |
| DocumentId | SSTPID | ActionCode | EffectiveDate |
| SSTREG00115335000001 | S00002202 | N | 12/1/2015 |
| SSTREG00115336000066 | S00002202 | C | 12/2/2015 |

## Case2

SST Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| DocumentId | SSTPID | ActionCode | EffectiveDate | Acknowledgment Status |
| SSTREG00115335000001 | S00002202 | N | 12/1/2015 | U |
| SSTREG00115335000002 | S00002202 | C | 12/1/2015 | U |
| SSTREG00115336000066 | S00002202 | C | 12/2/2015 | U |
| SSTREG00115337000112 | S00002202 | C | 12/3/2015 | U |
| SSTREG00115338000205 | S00002202 | C | 12/4/2015 | U |
| SSTREG00115338000667 | S00002202 | O | 12/4/2015 | U |

Calling GetDocuments with “U” will return:

|  |  |  |  |
| --- | --- | --- | --- |
| DocumentId | SSTPID | ActionCode | EffectiveDate |
| SSTREG00115335000001 | S00002202 | N | 12/1/2015 |
| SSTREG00115338000205 | S00002202 | C | 12/4/2015 |
| SSTREG00115338000667 | S00002202 | O | 12/4/2015 |

Then the state sends an AcknowledgeTransmission request with “R” for SSTREG00115338000205

SST Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| DocumentId | SSTPID | ActionCode | EffectiveDate | Acknowledgment Status |
| SSTREG00115335000001 | S00002202 | N | 12/1/2015 | U |
| SSTREG00115335000002 | S00002202 | C | 12/1/2015 | U |
| SSTREG00115336000066 | S00002202 | C | 12/2/2015 | U |
| SSTREG00115337000112 | S00002202 | C | 12/3/2015 | U |
| SSTREG00115338000205 | S00002202 | C | 12/4/2015 | R |
| SSTREG00115338000667 | S00002202 | O | 12/4/2015 | U |

Calling GetDocuments with “U” will return:

|  |  |  |  |
| --- | --- | --- | --- |
| DocumentId | SSTPID | ActionCode | EffectiveDate |
| SSTREG00115335000001 | S00002202 | N | 12/1/2015 |
| SSTREG00115338000205 | S00002202 | C | 12/4/2015 |
| SSTREG00115338000667 | S00002202 | O | 12/4/2015 |

Calling GetDocuments with “R” will return:

|  |  |  |  |
| --- | --- | --- | --- |
| DocumentId | SSTPID | ActionCode | EffectiveDate |
| SSTREG00115338000205 | S00002202 | C | 12/4/2015 |

Then the state sends an AcknowledgeTransmission request with “A” for SSTREG00115335000001, the request will fail (R3)

Then the state sends an AcknowledgeTransmission request with “A” for SSTREG00115338000205, this will implicitly acknowledge SSTREG00115335000001 (R4), SSTREG00115335000002 (R4), SSTREG00115336000066 (R4), SSTREG00115337000112 (R4)

SST Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| DocumentId | SSTPID | ActionCode | EffectiveDate | Acknowledgment Status |
| SSTREG00115335000001 | S00002202 | N | 12/1/2015 | A |
| SSTREG00115335000002 | S00002202 | C | 12/1/2015 | A |
| SSTREG00115336000066 | S00002202 | C | 12/2/2015 | A |
| SSTREG00115337000112 | S00002202 | C | 12/3/2015 | A |
| SSTREG00115338000205 | S00002202 | C | 12/4/2015 | A |
| SSTREG00115338000667 | S00002202 | O | 12/4/2015 | U |

Calling GetDocuments with “U” will return:

|  |  |  |  |
| --- | --- | --- | --- |
| DocumentId | SSTPID | ActionCode | EffectiveDate |
| SSTREG00115338000667 | S00002202 | O | 12/4/2015 |

Calling GetDocuments with “A” will return:

|  |  |  |  |
| --- | --- | --- | --- |
| DocumentId | SSTPID | ActionCode | EffectiveDate |
| SSTREG00115335000001 | S00002202 | N | 12/1/2015 |
| SSTREG00115338000205 | S00002202 | C | 12/4/2015 |

Calling GetDocuments with “R” will return no documents for SSTPID S00002202

1. More on this in AcknowledgeTransmission section [↑](#footnote-ref-1)
2. Please refer to examples below for further explanation [↑](#footnote-ref-2)