

**Status API
Functional Specifications
VERSION 1.0**

August 01, 2016

Principal Author: SOCAN
Contributing Authors:

Category of the document : Functional Specifications

Status of the document : V1

Distribution List : SOCAN

Table of revisions and main modifications

Number of revision	Date	Main modifications
1.0	2016/08/01	➤ Draft version

Summary:

This document contains the technical description of the Status API version 1.0 the format of transactions and records are included.

TABLE OF CONTENTS

Standards for Status API Service Requests	4
1 Introduction	4
1.1 Legend	4
Field type (Req):.....	4
API:.....	4
Data Format (Fmt) Table:	4
2. Web Service Requests	5
2.1 Service.....	5
2.2 Sandbox	5
3. Security	5
3.1 Identification	5
3.2 Encryption.....	5
3.3 OAuth	5
4. Validation/Processing of Requests	6
4.1 Request Information	6
Status Record Description.....	6
Status Record Format	6
5. Response/Confirmation	7
5.1 Security	7
Response Description	7
5.2 Accepted/Success	7
Response Description	7
Response Format	7
Statuses.....	7
Status Codes	7
5.3 Rejected/Error	8
Response Description	8
Response Format	8
Error Codes.....	8

Standards for Status API Service Requests

1 Introduction

1.1 Legend

Field type (Req):

- O – Optional
- M – Mandatory
- C – Conditional

Optional fields are in Normal type font.

Mandatory and Conditional fields are in Bold/Italic type font.

API:

Refers to the API the acknowledgement request is being submitted for.

Code	Description
1001000	Works

Data Format (Fmt) Table:

- **Data Format:** The type of data included in this field. Data present in a field that is inconsistent with the rules defined below will cause that record (and potentially the entire transaction) to be rejected. The legend of type abbreviations is...

Code	Description	Default Size	Rules
A	Alpha or Alphanumeric	None	Any string containing valid ASCII text. Note that nulls are not acceptable and all alphabetic characters must be in upper case. If there is no data to be entered in an alpha field, blanks must be entered. If there is no data to be entered in an alpha field, it should be left blank.

2. Web Service Requests

2.1 Service

The service will be located at <https://api.socan.ca/api/getStatus>. The service is expecting a request that will contain JSON.

2.2 Sandbox

A test service will also be made available at <https://api.socan.ca/sandbox/getStatus>. This service is expecting the same type of request.

You will have to use a different credential (API Key, API Secret, Username and Password) to use the service and obtain a token.

3. Security

Requests submitted to the Status Service will only be accepted from applications that meet the following conditions.

3.1 Identification

To use the service requestors will have to identify themselves through a security key to the API portal. It will have to be added to the request as a parameter. (i.e. <https://api.socan.ca/api/getStatus?apiKey=<KEY>>)

Users will also have to provide an OAuth token (see section 3.3 OAuth).

3.2 Encryption

All requests sent to SOCAN for processing must be sent as **HTTP Post** request over **SSL** or they will be rejected.

All requests must use at least **TLS 1.2** or the request will be rejected/blocked.

3.3 OAuth

Requests submitted must include an OAuth token. A token can be obtained by submitting a request to <https://api.socan.ca/auth/oauth/v2/token>

A HTTP post request will be required with the same security requirements as stated above. The request will need to contain the following parameters to obtain a token:

Parameter	Value	Description/Validation
-----------	-------	------------------------

client_id		This is the api key that will be provided by SOCAN or looked up in the developer portal for the NLMP api.
client_secret		Api Secret that will be provided by SOCAN or looked up in the developer portal for the NLMP api.
grant_type	password	This value should be set as password.
password		Submitter SOCAN password
username		Submitter SOCAN username

A valid token will be returned or a JSON error message such as:

```
{
  "error": "invalid_client",
  "error_description": "The given client credentials were not valid"
}
```

4. Validation/Processing of Requests

If a secure connection can be established and the submitter verified the request will be processed. The submitter must have permission to submit the request for the member (Member No. in the request). The data received in the request will only be accepted and processed by SOCAN if it meets the following requirements.

4.1 Request Information

Status Record Description

The JSON contains the information required to retrieve the status of a request.

Status Record Format

Field	Size	Fmt	Req	Prg	Field Description/Validation
API	7	N	M	ALL	Unique SOCAN ID of the API
MEMBER_NO	7 Or 11	N N	M	ALL	Unique ID of the member the form was submitted on behalf of. This must be a SOCAN Member No. (7 Numeric Characters) or IPI No. (11 Numeric Characters)
TYPE	1	A	M		Indicates if you are getting the status of a individual request or a list of requests submitted by a member. (Appendix A) 'I'ndividual or 'L'ist

Field	Size	Fmt	Req	Prg	Field Description/Validation
CODE	20	A	O		Unique ID of an individual request that would have been returned with from the original submission.

5. Response/Confirmation

5.1 Security

Response Description

If a secure connection cannot be established, you will receive a HTTP Status Code in response.

5.2 Accepted/Success

Response Description

If the request is valid the response will return JSON.

Response Format

Field	Description
fileListResponse	A List of Statuses for an API
Error	

Statuses

Field	API	Description
Code	ALL	Unique Identifier that is returned when the request was submitted
OriginalFileName	Works	The Original File Name used when request was submitted
Status	ALL	The status code of the request.

Status Codes

Code	Description
1	Works File Accepted.
1000	Error – Works File could not be processed.
1010	Works File Processing Step 1 Complete.
1020	Works File Processing Step 1 Complete.
1030	Error – Works File could not be processed.

Code	Description
3000	Acknowledgement File Ready for Pickup.
1050	Acknowledgement File Ready for Pickup. Failed to Notify contact.

5.3 Rejected/Error

Response Description

If the request is rejected because of an error, you will receive an error in response with a list of the errors.

Response Format

Field	Example
Response	ERROR: <XXXXXXXX>

Error Codes

Error Code	Regarding	Error Description
9910000	SECURITY	Security conditions were not satisfied.
9910001	SECURITY	Security conditions were not satisfied. Requests sent to SOCAN for processing must be sent using SSL.
9910002	SECURITY	Security conditions were not satisfied. Requests sent to SOCAN for processing must be sent using HTTP Post.
9920000	IDENTIFICATION/PERMISSION	Provided credentials do not allow you to call API
9920001	IDENTIFICATION/PERMISSION	Provided credentials do not allow you to call API on behalf of MEMBER_NO.
9930000	JSON	Invalid JSON, request could not be processed.
9900000		Error - Contact SOCAN