



SCHOLARONE ABSTRACTS

WEB SERVICES API V1.0 REFERENCE GUIDE

(DOCUMENT V1.1)

JULY 2016

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VERSION HISTORY

Update Summary	Date	Name
Initial version (v0.1) draft	February 9, 2016	Shane Stafford
Updated and added descriptions for all fields	June 27, 2016	Jeff Sweeting
Field validation and minor updates (v.1.0)	December 1, 2016	Nenad Bulatovic
Field validation and minor updates (v1.1)	July 2, 2017	Chris Heid

OVERVIEW

ScholarOne Web Services provide access to and retrieval of ScholarOne Abstracts™ submission and program metadata directly from the ScholarOne Abstracts production database.

The ScholarOne Web Services REST (Representational State Transfer) APIs provide access to resources via URI paths. Your application will make an HTTP request and parse the response. By default, the response format is XML. If you wish, you can request JSON instead of XML. Because the REST API is based on open standards, you can use any web development language to access the API.

STANDARDS

ScholarOne Web Services comply with the following standards:

- JSR 224: Java API for XML-based Web Services 2.0 (JAX-WS) specification
- JSR 311: Java API for RESTful Web Services (JAX-RS)
- WADL 1.1 standard
- XML Version 1.0
- Formats: XML. JSON
- Protocol: HTTPS

WEB SERVICE CLIENTS

A Web Service client is required to send and receive REST-based XML-formatted messages. The client must be equipped to handle SUCCESS as well as FAILURE response messages. You can create your own client in your language of choice.

SERVICE END POINT ADDRESSES

The public endpoint addresses for *ScholarOne Web Services* are:

Service Endpoint Address	Service Name
https://api.abstractcentral.com/api/s1a/v1/abstracts/full/personids	getPersonIds
https://api.abstractcentral.com/api/s1a/v1/abstracts/full/personsbyid	getPersonsById
https://api.abstractcentral.com/api/s1a/v1/abstracts/full/abstractids	getAbstractIds
https://api.abstractcentral.com/api/s1a/v1/abstracts/full/abstractsbyid	getAbstractsById
https://api.abstractcentral.com/api/s1a/v1/abstracts/full/sessionids	getSessionIds
https://api.abstractcentral.com/api/s1a/v1/abstracts/full/sessionsbyid	getSessionsById

SERVICE PREREQUISITES

To use the ScholarOne APIs you need:

- An API Key provided by your ScholarOne Relationship Manager and provisioned into your Account Profile
- A *ScholarOne Web Services* application Username (profile name)
- A site short name
- A web services client or other utility that can send and receive messages via HTTP using GET.

AUTHENTICATION

DIGEST AUTHENTICATION

ScholarOne Web Services are authenticated web services. They require successful validation of your authentication credentials prior to data retrieval. For each operation to be successful, it is necessary to include authentication information in it. The appropriate authentication credentials for your site should already be set. If you need to verify that your username/password¹ combination has been entered in our system, or if you want to change your credentials, contact ScholarOne Support by visiting our Get Help Now page at <http://mchelp.manuscriptcentral.com/gethelpnow/abstractcentral/>

ScholarOne Web Services use the **Digest Access Authentication Method** to exchange credentials over HTTP(S). The server will generate a unique nonce value for a request / response exchange until the nonce expires. The client will use the nonce value to generate a hash that includes the profile's API Key to send back to the server. To prevent replay attacks the nonce will have a timestamp and expiration. If an expired nonce is sent back to the server, our server will automatically send back a fresh nonce so that communication can continue so long as authentication criteria in the request have been met.

All requests to authenticate and operate against *ScholarOne Web Services* are performed using SSL over HTTP (HTTPS) on TCP port 443.

Sample HTTP Header

Here is an authentication exchange example that illustrates the HTTP Digest client – server exchange:

Client request (no authentication)

```
GET /api/sla/v1/abstracts/full/abstractsbyid?site_name=exports&ids='1829210'  
Host: api.abstractcentral.com
```

Server response (contains the nonce)

¹ Username and password are case-sensitive.

HTTP/1.1 401 Unauthorized

Date: Wed, 19 Oct 2016 14:14:31 GMT

WWW-Authenticate: Digest realm="ScholarOneApiService",
nonce="IWBnEoNx6/80qvS+Qjgkt+/3IccVl3bT", stale="false"

Content-Type: text/plain; charset=UTF-8

Content-Length: 33

Client request (username "sample_user_s1a", API Key/password "9XHT71YURIEPOC5B")

GET /api/s1a/v1/abstracts/full/abstractsbyid?site_name=exports&ids='1829210'

HTTP/1.0

Host: api.abstractcentral.com

"Authorization: Digest username="sample_user_s1a", realm="ScholarOneApiService",
nonce="IWBnEoNx6/80qvS+Qjgkt+/3IccVl3bT",

uri="/api/s1a/v1/abstracts/full/abstractsbyid?site_name=exports&ids=%271829210%27",
response="1f7f4b12eedaf5fef6f31b244d6bab2"

(followed by a blank line, as before).

Server response (authentication and authorization approved)

HTTP/1.1 200 OK

Date: Wed, 19 Oct 2016 14:14:32 GMT

Content-Type: application/xml; charset=UTF-8

Content-Length: 3718

(...followed by a blank line and XML or JSON text of the restricted content)

If the required authentication information is incorrect, the server will send back an HTTP error code in the header. An example of this is illustrated below where the server response denies access due to the wrong site_name being sent:

HTTP/1.1 500 Internal Server Error

Server: Apache-Coyote/1.1

Date: Wed, 19 Oct 2016 14:14:32 GMT

x-frame-options: DENY

```
Content-Type: application/xml;charset=UTF-8
Content-Length: 1180
```

IP AUTHENTICATION

IP authentication happens automatically as long as your IP address has been recorded in your customer account. Unlike username/password authentication, IP authentication does not require authorization information in the request header.

If your client is not able to clear ScholarOne digest authentication, you will receive response code 401 and will not be passed into the IP validation step. You must pass both username/password authentication and IP validation to exchange messages via the *ScholarOne Web Services API*.

Base64 Encoding References

- [Base64](#) Content encoding scheme
- [RFC 2617](#) HTTP Authentication: Basic and Digest Access Authentication
- [Digest access authentication](#)
- <http://www.motobit.com/util/base64-decoder-encoder.asp> Encode and decode using base64 encoding

SCHOLARONE WEB SERVICES

The **getPersonIds** API accepts a date range as input and provides read access to a list of person ids updated within the date range within the ScholarOne system.

The **getPersonsById** API accepts one or more **Person IDs** as input and provides read access to a complete list of standard fields within the ScholarOne system.

The **getAbstractIds** API accepts a date range as input and provides read access to a list of abstract (or control) ids updated within the date range within the ScholarOne system.

The **getAbstractsById** API accepts one or more **Abstract (or Control) IDs** as input and provides read access to a complete list of standard fields within the ScholarOne system.

The **getSessionIds** API accepts a date range as input and provides read access to a list of **session ids** updated within the date range within the ScholarOne system.

The **getSessionsById** API accepts one or more **Session IDs** as input and provides read access to a complete list of standard fields within the ScholarOne system.

REQUEST PERSON, ABSTRACT OR SESSION INFORMATION

Standard GET operations against profile-specific *ScholarOne Web Services* URLs are performed to fetch a record or list of records containing information about person accounts, abstracts or sessions.

Request parameters specify the source site and the specific records that are returned. They can stipulate the data format of interest for requested metadata. All requests can include a parameter that enables client-side tracking of request/response pairs.

The following list describes required and optional query parameters that are available to all requests.

Query Parameters

Name	Required	Description	Default
site_name	Yes	This is the same site short name assigned by your ScholarOne Relationship Manager and used to access the ScholarOne Abstracts Web UI. The SHORT_NAME is the abbreviated or truncated name of the journal, society, publisher, or family.	N/A
_type	No	Specify either JSON or XML to return the respective serialized response. Defaulted to XML if not specified. This is case sensitive and lower case is expected.	xml

Name	Required	Description	Default
external_id	No	Used for audit purposes. When the caller includes an external_id in their request, the response will echo the external_id back via the callProfileID element.	none

Web Services Request / Response Content Summary

All service requests are driven by the inclusion of either a date range, Abstract (Control) IDs, Person IDs or Session IDs.

Request	Description	Response Message Contents	Submission Method
getPersonIds	Request a list of user accounts that have changed within a time range by From Time and To Time	A list of person ids for user accounts updated within the provided date range	GET
getPersonsById	Request user account information by Person ID	A meeting site's user account metadata and identifying information	GET
getAbstractIds	Request a list of abstracts that have changed within a time range by From Time and To Time	A list of abstract (or Control) ids for abstracts updated within the provided date range	GET
getAbstractsById	Request abstract information by Abstract (or Control) ID	A program's abstract metadata and detailed information	GET
getSessionIds	Request a list of sessions that have changed within a time range by From Time and To Time	A list of session ids for sessions updated within the provided date range	GET
getSessionsById	Request session information by Session ID	A program's session metadata and detailed information	GET

Response Content Types

The following data formats are supported for response data sent back by the API server. The required data format is specified as the <_type> mentioned under Query Parameters.

Response Format	Specified in URI as	Response Content-Type
JSON	json	application/json
XML	xml	application/xml

Null Values

Some of the fields in a resource may be optional or currently absent. The values of these fields are represented as a special NULL value. This value maps to corresponding equivalents in the data formats as listed below.

Response Format	Null Value Representation
JSON	null
XML	No element (assume null values for missing elements)

getPersonsById

getPersonsById submits a request consisting of a Person ID or IDs and returns metadata about a specific person or set of person accounts and identifying information. Each request includes:

- Mandatory message header content for Authorization
 - Digest username (same as User Name)
 - Realm
 - Nonce
 - Response
- Mandatory message content for Authentication
 - Password (a provisioned API KEY, configured by the ScholarOne Relationship Manager into the caller's account profile)
 - User Name (Profile User Name, this the user id for logging into the API)
- Required Query Parameters
 - Person ID(s)
 - Site Short Name
- Optional Query Parameters
 - `_type`
 - External ID
- Resource
 - By personId: `/api/s1a/v1/abstracts/full/personsbyid`

Request Parameters

Element	Type	Description	Req'd	Example or Default Value
getPersonsById	Root		Yes	
username	String	"Profile" User Name. This is the user name used by the application – not a <i>ScholarOne Abstracts</i> User. This is from the Caller's Profile.	Yes	sample_user_s1a
password	String	The API Key; Encrypted value uniquely identifying/authenticating Caller	Yes	9XHT71YURIEPOC5B
ids	Integer or Integer Array	Person Id or Ids. Unique identifier for each Person record in the ScholarOne Abstracts system. Internally to ScholarOne, this is a numeric value. Each entry must be surrounded by single or double quotes and comma separated when more than one entry is specified.	Yes	'2684035' Or if a list is being requested: '2684035','2684036','2684037','2684039','2684040'
site_name	String	Site short name. The short name is the abbreviated or truncated name of the journal, society, publisher, or family.	Yes	exports
url	String	The Web Service URL, which identifies the specific service to handle the request.	Yes	v1/abstracts/full/personsbyid
external_id	String	An id value that can be set by the client for call tracking. API Caller supplied Text string to be stored with Audit History information.	No	123456
_type		The data type requested from the Service <xml> or <json>. This defaults to <xml>.	No	Can be xml (default if omitted), or json

Response Parameters²

Response Elements getPersonsById	Type	Description	Example or Default Value
Status	String	State of a given request call.	Can be one of SUCCESS, FAILURE, or MAINTENANCE. <status>SUCCESS</status>
callId	String	The CALL_ID is the unique identifier for a given Web Services call. Generated by the <i>ScholarOne Web Services</i> application.	<callId>63631fe1-7378-4cc1-ab18-87c06c2eff58</callId>
profileCallId	String	An id value that is set by the client for call tracking. Set by the request's external_id element.	<profileCallId>111111</profileCallId>
accountStatus	String	Status of the account (Active/Inactive)	<accountStatus>Active</accountStatus>
address1	String	The 1 st line of the address listed for the person	<address1>375 Greenbrier</address1>
address2	String	The 2 nd line of the address listed for the person	<address2>Suite 200</address2>
areasOfExpertise	Complex		Complex Child of Parent Root Includes following response elements: areaOfExpertise
areaOfExpertise	String	The defined area of expertise for the person (site specific).	<areaOfExpertise><areaOfExpertise>
assignedCategories	Complex		Complex Child of Parent Root Includes following response elements: category
category	Complex	The defined category for the person (site specific).	Complex Child of assignedCategories Includes following response elements: parentCategory, childCategory
parentCategory	String	If the category has a parent category its listed here. (site specific).	<parentCategory>ENDOCRINE</parentCategory>

² All non-501 responses will include Status and Call Id. profileCallId will be returned if an external_id is provided in the request.

Response Elements getPersonsById	Type	Description	Example or Default Value
childCategory	String	The selected category for the person. (site specific).	<childCategory>Bone Health</childCategory>
city	String	The city listed for the person.	<city>Charlottesville</city>
country	String	The country listed for the person.	<country>United States</country>
degree	String	The degree listed for the person.	<degree>MD</degree>
department	String	The department listed for the person.	<department>Surgery</department>
email	String	The email listed for the person.	<email>cc@test.demo</email>
fax	String	The fax listed for the person.	<fax>333-000-3333</fax>
fname	String	The first or given name of the person.	<fname>Cody</fname>
id	Integer	A unique numeric identifier associated with a person record (not the user's User ID used for accessing ScholarOne).	<id>686975</id>
institution	String	The institution listed for the person.	<institution>Thomson Reuters</institution>
lastLoggedIn	dateTime	The date/time the person last logged into their account.	<lastLoggedIn>2013-10-22 09:00:25.399</lastLoggedIn>
linkedin	String	The linkedin url listed for the person.	<linkedin>www.linkedin.com/JohnDoe </linkedin>
lname	String	The last name (surname or family name) of the person.	<lname>Dupree</lname>
memberId	String	Society Membership number of the person.	<memberId>society_123</memberId>
mname	String	The middle name of the person.	<mname>J</mname>
personDisclosures	Complex		Complex Child of Parent Root Includes following response elements: personDisc
personDisc	Complex		Complex Child of personDisclosures Includes following response elements:

Response Elements getPersonsById	Type	Description	Example or Default Value
			answer, disclosureAffl, id, name, question
answer	String	The person disclosure answer (site specific)	<answer>I have no affiliations or financial interests in relation to this program.</answer>
disclosureAffl	Complex		Complex Child of personDisc Includes following response elements: affInfo, affName, affSpeaker, affType
affInfo	String	Disclosure affiliation info (site specific)	<affInfo>conflict</affInfo>
affName	String	Disclosure affiliation name (site specific)	<affName>watson company</affName>
affSpeaker	String	Disclosure affiliation speaker (site specific)	<affSpeaker>John Smith</affSpeaker>
affType	String	Disclosure affiliation type (site specific)	<affType>watson conflict</affType>
id	Integer	ScholarOne person disclosure unique identifier	<id>2206</id>
name	String	Disclosure name	<name>FINANCIAL DISCLOSURE - by Person</name>
question	String	Disclosure question	<question>Does this author have any relevant financial interest/arrangement or affiliation within the past 12 months to disclose?</question>
phone	String	Person phone number	<phone>555-555-5555</phone>
postalCode	String	Person post code (ZIP code)	<postalCode>45365</postalCode>
potentialReviewerFI	Boolean	Indication of whether that person wants to review submissions that are based on areas of expertise. "true" indicates that person responded "yes" to the potential reviewer user account question.	<potentialReviewerFI>>false</potentialReviewerFI>
profTitle	String	Professional title (string)	<profTitle>Dr</profTitle>
salutation	String	The salutation designated for the person in his or her account record. Typical salutations are Dr., Miss, or Mr.	<salutation>Dr.</salutation>

Response Elements	Type	Description	Example or Default Value
getPersonsById			
stateAbbrev	String	State abbreviation (Only for country US, Canada or Australia)	<stateAbbrev>VA</stateAbbrev>
stateName	String	Full state name (Fixed for country US, Canada or Australia; Freeform for all other countries)	<stateName>Virginia</stateName>
suffix	String	The suffix designated in the person's account record.	<suffix>III</suffix>
twitter	String	Person twitter URL	<twitter>@TwitterProfile</twitter>
userId	String	Person user id	<userId>jdoe2001</userId>
userRoles	Complex		Complex Child of Parent Root Includes following response elements: roleName
roleName	String	Role name the person has (names will be site specific).	<roleName>Abstract Submission</roleName>

getPersonsById Request / Response Examples

Example Request: getPersonsById

- Input: single Person ID
 - URL for use via HTTP request after Digest Authentication is performed:
https://api.abstractcentral.com/api/s1a/v1/abstracts/full/personsbyid?site_name=exports&ids='4495494'

Example Response: getPersonsById

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
```

```
<Response>
```

```
<status>SUCCESS</status>
```

```
<callId>f9e9460c-27ce-4f1a-961b-380968774582</callId>
```

```
<result xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="abstractsPersonsDTO">
```



```

<person>
  <accountStatus>Active</accountStatus>
  <address1>Author Address 1</address1>
  <address2>Author Address 2</address2>
  <areasOfExpertise>
    <areaOfExpertise>WS PARENT CATEGORY</areaOfExpertise>
    <areaOfExpertise>WS PARENT CATEGORY: WS SUB CATEGORY
1</areaOfExpertise>
    <areaOfExpertise>WS PARENT CATEGORY: WS SUB CATEGORY
2</areaOfExpertise>
  </areasOfExpertise>
  <assignedCategories>
    <category>
      <childCategory>WS SUB CATEGORY 1</childCategory>
      <parentCategory>WS PARENT CATEGORY</parentCategory>
    </category>
    <category>
      <childCategory>WS SUB CATEGORY 1</childCategory>
      <parentCategory>WS PARENT CATEGORY</parentCategory>
    </category>
  </assignedCategories>
  <city>Author City</city>
  <country>United States</country>
  <degree>Author Degree</degree>
  <department>Author Department</department>
  <email>john@author.com</email>
  <fax>AU Fax 333-3333</fax>
  <fname>John</fname>
  <id>4495494</id>
  <institution>Author Institution</institution>
  <lastLoggedIn>2016-11-04 08:14:44.688</lastLoggedIn>
  <linkedin>AU LinkedIn</linkedin>
  <lname>Author</lname>
  <memberId>AUMemberID</memberId>
  <mname>WS</mname>
  <personDisclosures>
    <personDisc>
      <answer>Select <b>Yes</b></answer>
      <disclosureAffl>
        <affInfo/>

```

```

        <affName>AU Disclosure</affName>
        <affSpeaker/>
        <affType>Affiliation 1</affType>
    </disclosureAffl>
    <id>16604</id>
    <name>Person Disclosure</name>
    <question>Instructions for Person Disclosure</question>
</personDisc>
</personDisclosures>
<phone>AU Phone 1 555-5555</phone>
<postalCode>Author Zip 12345</postalCode>
<potentialReviewerFl>true</potentialReviewerFl>
<profTitle>Author Professional Title</profTitle>
<salutation>Prof.</salutation>
<stateAbbrev>CO</stateAbbrev>
<stateName>Colorado</stateName>
<suffix>AU Suffix</suffix>
<twitter>@autwitter</twitter>
<userId>john@author.com</userId>
<userRoles>
    <roleName>Submission Role 1</roleName>
    <roleName>Submission Role 2</roleName>
    <roleName>Submission Role 3</roleName>
    <roleName>Sessioner</roleName>
    <roleName>Review Center</roleName>
    <roleName>Submission New</roleName>
</userRoles>
</person>
</result>
</Response>

```

getAbstractsById

getAbstractsById submits a request consisting of an Abstract (or Control) ID or IDs and returns complete metadata about a specific abstract or set of abstracts' submission status and identifying information about its author or authors. Each request includes:

- Mandatory message header content for Authorization
 - Digest username (same as User Name)
 - Realm
 - Nonce
 - Response
- Mandatory message content for Authentication
 - Password (provisioned API KEY, configured by the ScholarOne Relationship Manager into the caller's account profile)
 - User Name (Profile User Name, this the user id for logging into the API)
- Required Query Parameters
 - Abstract (or Control) ID(s)
 - Site Short Name
- Optional Query Parameters
 - `_type`
 - External ID
- Resource
 - By abstractId (or controlId): `/api/s1a/v1/abstracts/full/abstractsbyid`

Request Parameters

Element	Type	Description	Req'd	Example or Default Value
getAbstractsById				
getAbstractsById	Root		Yes	
username	String	"Profile" User Name. This is the user name used by the application – not a <i>ScholarOne Manuscripts</i> User. This is from the Caller's Profile.	Yes	sample_user_s1a
password	String	The API Key; Encrypted value uniquely identifying/authenticating Caller.	Yes	9XHT71YURIEPOC5B
ids	Integer or Integer Array	Abstract (or Control) Id or Ids. Unique identifier for each Abstract in the ScholarOne Abstracts system. Internally to	Yes	'1829210' Or if a list is being requested: '1829210','1829236','1948657'

Element getAbstractsByld	Type	Description	Req'd	Example or Default Value
		ScholarOne, this is a numeric value. Each entry must be surrounded by single or double quotes and comma separated when more than one entry is specified.		
site_name	String	Site short name. The short name is the abbreviated or truncated name of the journal, society, publisher, or family.	Yes	acdemo
url	String	The Web Service URL, which identifies the specific service to handle the request.	Yes	v1/abstracts/full/abstractsbyid
external_id	String	An id value that can be set by the client for call tracking. API Caller supplied Text string to be stored with Audit History information.	No	123456
_type		The data type requested from the Service <xml> or <json>. This defaults to <xml>.	No	Can be xml (default if omitted), or json

Response Parameters³

Response Elements getAbstractsByld	Type	Description	Example or Default Value
status	String	State of a given request call.	Can be one of SUCCESS, FAILURE, or MAINTENANCE. <status>SUCCESS</status>
callID	String	The Call ID is the unique identifier for a given Web Services call. Generated by the <i>ScholarOne Web Services</i> application.	<callId>63631fe1-7378-4cc1-ab18-87c06c2eff58</callId>
profileCallId	String	An id value that is set by the client for call tracking. Set by the request's external_id element.	<profileCallId>11111</profileCallId>

³ All non-501 responses will include Status and CallID. profileCallId will be returned if an external_id is provided in the request.

Response Elements getAbstractsByld	Type	Description	Example or Default Value
abstractCategory	Complex		Complex Child of Parent Root Includes following response elements: categoryGroup
categoryGroup	Complex		Complex Child of abstractCategory Includes following response elements: category, categoryld, subCategory, subCategoryld
category	String	Category name of abstract (Site specific list).	<category>FLUID & ELECTROLYTE TRANSPORT</category>
categoryld	Integer	Category unique identifier (ScholarOne)	<categoryld>3635</categoryld>
subCategory	String	Sub-Category name of abstract (Site specific list).	<subCategory>Channels</subCategory>
subCategoryld	Integer	Sub-Category unique identifier (ScholarOne)	<subCategoryld>3645</subCategoryld>
abstractDetails	Complex		Complex Child of Parent Root Includes following response elements: detailGroup
detailGroup	Complex		Complex Child of abstractDetails Includes following response elements: detail, id
id	Integer	Abstract detail group identifier (ScholarOne)	<id>254</id>
detail	Complex		Complex Child of abstractDetails

Response Elements getAbstractsByld	Type	Description	Example or Default Value
			Includes following response elements: detailName, id, fileLocation, responseName, responseValue
detailName	String	Abstract detail name (ScholarOne)	<detailName>Disposition of Abstract</detailName>
id	Integer	Abstract detail identifier (ScholarOne)	<id>348</id>
fileLocation	String	For details which are a file type – the URL pointing to the file.	<fileLocation>https://acdemo.abstr ractcentral.com/viewer?TAG_ACT ION=SECURE_FILE_DOWNLOA D&VIEW_FILE_KEY=13GLjCBiv UMe4Fq2Yd9JaChH3d7Duivb1zf LiS36GNUc3ZW5S1EpWR</fileL ocation>
responseName	String	Abstract detail response text given to user (Site specific)	<responseName>If accepted, my presentation will be made on PowerPoint.</responseName>
responseValue	String	Abstract detail response value (Site specific – may duplicate responseName)	<responseValue>If accepted, my presentation will be made on PowerPoint.</responseValue>
abstractDisclosures	Complex		Complex Child of Parent Root Includes following response elements: absDisc
absDisc	Complex		Complex Child of abstractDisclosures Includes following response elements: answer, disclosureAffl, id, name, question
answer	String	Disclousre answer chosen (text depends on site configuration).	<answer>Neither myself nor any of my coauthors, including members of our immediate families, have any financial interest or affiliation of the type described above with a commercial organization that has a direct or indirect interest in the subject matter of my presentation.</answer>

Response Elements getAbstractsById	Type	Description	Example or Default Value
disclosureAffl	String	Disclosre affiliation entered.	<disclosureAffl>Watson company</disclosureAffl>
id	Integer	Internal disclosure ID (site specific).	<id>155221</id>
name	String	Disclosre name (text depends on site configuration).	<name>SECTION A - DISCLOSURE OF VESTED INTEREST</name>
question	String	Disclosre question text (text depends on site configuration).	<question>Responsibilities for Animal Experimentation</question>
abstractId	Integer	Internal unique abstract identifier (integer).	<abstractId>2230297</abstractId>
authors	Complex		Complex Child of Parent Root Includes following response elements: author
author	Complex		Complex Child of authors Includes following response elements: address1, address2, affiliations, degree, designations, authorDisclosures email, fname, lname, mname, order, personId, presenter, sal
address1	String	Author's address line 1 from the author record.	<address1>375 Greenbrier Dr.</address1>
address2	String	Author's address line 2 from the author record.	<address2>Suite 200</address2>
city	String	Author's city name from the author record.	<city>Ann Arbor</city>
country	String	Author's country name from the author record.	<country>United States</country>
fax	String	Author's fax number from the author record.	<fax>333-000-3333</fax>

Response Elements getAbstractsById	Type	Description	Example or Default Value
phone	String	Author's phone number from the author record.	<phone1>333-333-3333</phone1>
postalCode	String	Author's zip code from the author record.	<postalCode>11111</postalCode>
state	String	Author's state or providence name from the author record.	<state>Michigan</state>
affiliations	Complex		Complex Child of author Includes following response elements: affl
affl	Complex		Complex Child of affiliations Includes following response elements: authorOrder, city, country, dept, inst, number, state
authorOrder	Integer	Order of author in the abstract author list (Integer).	<authorOrder>1</authorOrder>
city	String	Author's affiliated city name from the author>>affiliation record.	<city>Ann Arbor</city>
country	String	Author's affiliated country name from the author>>affiliation record.	<country>United States</country>
dept	String	Author's affiliated department name from the author record.	<dept>c1 department 2</dept>
inst	String	Author's affiliated institution name from the author>>affiliation record.	<inst>U Mich</inst>
number	Integer	Affiliation number (Integer; unique per affiliation per abstract).	<number>1</number>
state	String	Author's affiliated state or province name from the author>>affiliation record.	<state>Michigan</state>
degree	String	Author degree field	<degree>Ph.D.</degree>

Response Elements getAbstractsById	Type	Description	Example or Default Value
designations	Complex		Complex Child of author Includes following response elements: desig
desig	Complex		Complex Child of designations Includes following response elements: data, name
data	String	Author designation answer (names dependent on site config). For checkbox might be "Checked"/"Unchecked".	<data>Resident</data>
name	String	Author designation name	<name>Professional Status</name>
authorDisclosures	Complex		Complex Child of author Includes following response elements: answer, disclosureAffl, id, name, question
answer	String	Author disclosure answer chosen (text is dependant on site config).	<answer>Neither myself nor any of my coauthors, including members of our immediate families, have any financial interest or affiliation of the type described above with a commercial organization that has a direct or indirect interest in the subject matter of my presentation.</answer>
disclosureAffl	Complex		Complex Child of authorDisclosures Includes following response elements: afflInfo, affName, affSpeaker, affType

Response Elements getAbstractsByld	Type	Description	Example or Default Value
affInfo	String	Author disclosure affiliation info text (dependant on site config).	<affInfo>some piece of text</affInfo>
affName	String	Author disclosure affiliation info name (dependant on site config).	<affName>Interest 1</affName>
affSpeaker	String	Author disclosure affiliation info speaker text (dependant on site config).	<affSpeaker>some piece of text</affSpeaker>
affType	String	Author disclosure affiliation info type text (dependant on site config).	<affType>Relation 1</affType>
id	Integer	Author disclosure internal identifier.	<id>2206</id>
name	String	Author disclosure question name.	<name>FINANCIAL DISCLOSURE - by Author</name>
question	String	Author disclosure question text.	<question>Does this author have any relevant financial interest/arrangement or affiliation within the past 12 months to disclose?</question>
email	String	The e-mail address of the author.	<email>cc@test.demo</email>
fname	String	The first or given name of the author.	<fname>Cody</fname>
lname	String	The last name (surname or family name) of the author.	<lname>Dupree</lname>
mname	String	The middle name of the author.	<mname>Desmond</mname>
order	Integer	The order contributing authors are entered into the ScholarOne Abstracts system for the submission.	<order>12</order>
personId	Integer	A unique numeric identifier associated with a person record (not the user's User ID used for accessing ScholarOne).	<personId>686975</personId>
presenter	Boolean	Indication of whether that author is of type Presenter on the given abstract. "true" indicates that author is a presenter for that submission.	<presenter>true</presenter>

Response Elements getAbstractsByld	Type	Description	Example or Default Value
sal	String	The salutation designated for the author in his or her account record. Typical salutations are Dr., Miss, Mr.	<sal>Dr.</sal>
contactAuthor	Complex		Complex Child of Parent Root Includes following response elements: address1, address2, city, country, degree, dept, email, fax, fname, instn, lname, mname, phone, postalCode, sal, state, stateAbbrev
address1	String	Contact author address line 1 from the person record	<address1>37 University Ave</address1>
address2	String	Contact author address line 2 from the person record	<address2>Ste 200</address2>
city	String	Contact author city name from the person record	<city>Ann Arbor</city>
country	String	Contact author country name from the person record	<country>USA</country>
degree	String	Contact author degree field from the person record	<degree>MD</degree>
dept	String	Contact author deptment field from the person record	<dept>Cardiology</dept>
email	String	The email address of the contact author from the person record	<email>cc@test.demo</email>
fax	String	The fax number of the contact author from the person record	<fax>333-333-3333</fax>
fname	String	First or given name of the contact author	<fname>Sally</fname>
instn	String	Institution field for the contact author from the person record	<inst>U Mich</inst>
lname	String	Last or surname of the contact author	<lname>Smith</lname>
mname	String	Middle name of the contact author	<mname>Desmond</mname>
phone	String	Phone number of the contact author from the person record	<phone>333-333-3333</phone>

Response Elements	Type	Description	Example or Default Value
getAbstractsById			
postalCode	String	Postal code of the contact author	<postalCode>21658</postalCode>
sal	String	Salutation designated for the contact author on the person record.	<sal>Dr.</sal>
state	String	State of the contact author from the person record	<state>Michigan</state>
stateAbbrev	String	Abbreviation on state name for contact author	<stateAbbrev>MI</stateAbbrev>
awards	Complex		Complex Child of Parent Root Includes following response elements: awardAbstracts
awardAbstracts	Complex		Complex Child of awards Includes following response elements: desc, id, name
desc	String	Award description text.	<desc>Winners will be chosen based on the conditions listed above for each section. Only one winner per category. Awarded to the presenting authors of accepted original scientific papers (abstracts). Abstracts will be selected from the top 20 percent of accepted Meeting abstracts, in each of the sections listed below. All awards will be presented during the Poster Hall Awards Ceremony at the Meeting. Award: Complimentary registration to ScholarOne's 34th Annual Meeting.</desc>
id	Integer	Award internal identifier.	<id>979</id>
name	String	Award name.	<name>Resident Clinical/Basic Science Research Award</name>
body	Complex		Complex Child of Parent Root

Response Elements getAbstractsById	Type	Description	Example or Default Value
			Includes following response elements: section
section	Complex		Complex Child of body Includes following response elements: partOfBody, sectionName, text
partOfBody	Integer	The order abstract body fields are displayed in the ScholarOne Abstracts system.	<partOfBody>1</partOfBody>
sectionName	Complex		Complex Child of section Includes following response elements: bold, italic, name, nameAppears, underline
bold	Boolean	Is this body section bolded? (display for name only)	<bold>true</bold>
italic	Boolean	Is this body section in italic? (display for name only)	<italic>false</italic>
name			<name>Methods:</name>
nameAppears	Boolean	Does body section name appear to submitting author?	<nameAppears>true</nameAppears>
underline	Boolean	Is this body section underlined? (display for name only)	< underline>false</underline>
text	String	Abstract body text as entered by submitting author.	<text>Bacterial Strains. Seventy-six strains of Y. pestis of all three biovars (Antiqua, Medievalis, and Orientalis) had been isolated between 1942 and 1998 from humans, fleas, and small mammals in diverse countries (Table 1 and Fig. 2). Gene fragments were sequenced from 36 strains, and IS100 typing was do.</text>

Response Elements getAbstractsByld	Type	Description	Example or Default Value
customField1	String	Value of abstract custom field (if configured).	<customField1>Test Custom Field One</customField1>
decisionHistory	String	Decision history text.	<decisionHistory>Florence Barrieu: Accept (March 26, 2007, 09:52 AM) James Brehaut: No Decision</decisionHistory>
decisionStatus	String	Current abstract decision status.	<decisionStatus>Accept</decisionStatus>
decisions	Complex		Complex Child of Parent Root Includes following response elements: decision
decision	Complex		Complex Child of decisions Includes following response elements: chair, chairRecommendation, decisionDesc, decisionFlag, decisionName, recommendationDesc, recommendationName
chair	Complex		Complex Child of decision Includes following response elements: chairFirstName, chairLastName, chairMiddlename, personId
chairFirstName	String	The first or given name of the chair.	<chairFirstName>Cody</chairFirstName>
chairLastName	String	The last name (surname or family name) of the chair.	<chairLastName>Howard</chairLastName>
chairMiddleName	String	The middle name of the chair.	<chairMiddleName>Howard</chairMiddleName>
personId	Integer	A unique numeric identifier associated with a person record (not the user's User ID used for accessing ScholarOne).	<personId>686975</personId>

Response Elements getAbstractsByld	Type	Description	Example or Default Value
chairRecommendation	String	Recommendation the chair made (text configured with site).	<chairRecommendation>No Recommendation</chairRecommendation>
decisionDesc	String	Abstract decision as text (may be same as name if configured).	<decisionDesc>Accept</decisionDesc>
decisionFlag	Boolean	Flag to indicate if abstract has a decision associated with it.	<decisionFlag>true</decisionFlag>
decisionName	String	Abstract decision name.	<decisionName>Accept</decisionName>
recommendationDesc	String	Abstract recommendation as text (may be same as name if configured).	<recommendationDesc>Accept</recommendationDesc>
recommendationName	String	Abstract recommendation name	<recommendationName>Accept</recommendationName>
finalIds	Complex		Complex Child of Parent Root Includes following response elements: finalId
finalId	Complex		Complex Child of finalIds Includes following response elements: doi, id
doi	String	Digital object identifier for the abstract	<doi>457ER2834</doi>
id	String	Final id value for the abstract	<id>cch8349248</id>
images	Complex		Complex Child of Parent Root Includes following response elements: image
image	Complex		Complex Child of images Includes following response elements: caption, description, fileLocation, imageName

Response Elements getAbstractsById	Type	Description	Example or Default Value
caption	String	Image caption text.	<caption>Carcinoma x 25</caption>
description	String	Image description text.	<description>View of carcinoma</description>
fileLocation	String	URL pointing to abstract image.	<fileLocation>https://acdemo.abst ractcentral.com/viewer?TAG_ACT ION=SECURE_FILE_DOWNLOA D&VIEW_FILE_KEY=13GLjCBiv UWRTowGTMrnWix3ahkjaDqH4 KurfVmkwzJa366oyhRX3</fileLoc ation>
imageName	String	File name of uploaded image.	<imageName>pq1171005001.jpg </imageName>
keywords	Complex		Complex Child of Parent Root Includes following response elements: keyword
keyword	String	Abstract keyword value (values may be pre-configured list depending on site config).	<keyword>glucose</keyword>
payments	Complex		Complex Child of Parent Root Includes following response elements: payment
payment	Complex		Complex Child of payments Includes following response elements: address1, authCode, ccType, city, companyName, email, payAmount, payFname, payLname, paymentDate, paymentStatus, payType, pnref, responseMessage, zipcode
address1	String	Payer's address line 1 from the submission payment form.	<address1>375 Greenbrier Dr.</address1>
authCode	String	Credit card authorization code.	<authCode>1234</authCode>

Response Elements getAbstractsByld	Type	Description	Example or Default Value
ccType	String	Type of credit card	<ccType>1</ccType>
city	String	Payer's city from the submission payment form.	<city>Ann Arbor</city>
companyName	String	Payer's company name from the submission payment form.	<companyName>Davis Company</companyName>
email	String	Payer's email address from the submission payment form.	<email>cc@test.demo</email>
payAmount	String	Amount paid (Currently US dollars).	<payAmount>1.0</payAmount>
payFname	String	The first or given name of the payer from the submission payment form.	<payFname>Cody</payFname>
payLname	String	The last name (surname or family name) of the payer from the submission payment form.	<payLname>Smith</payLname>
paymentDate	Complex		Complex Child of payment Includes following response elements: day, dayName, month, year
day	String	Payment day of month.	<day>20</day>
dayName	String	Payment day of week.	<dayName>Tuesday</dayName>
month	String	Payment month.	<month>08</month>
year	String	Payment year.	< year>2013</year>
paymentStatus	String	Payment status returned from PayPal – 2 or 12 = Failed; 4 = Pending; 5 = Received; 6 = Cleared; 4 = Success; 23 = Invalid Account; 24 = Invalid date.	<paymentStatus>12</paymentStatus>
payType	String	Credit Card or Check. (might be empty which is Ok).	<payType><payType>
pnref	String	Payment provider payment reference number.	VLFA9E988DE4
responseMessage	String	Response from payment provider (if any).	<responseMessage>Success<responseMessage>

Response Elements getAbstractsById	Type	Description	Example or Default Value
zipcode	String	Payer's zip code from the submission payment form.	<zipcode>11111</zipcode>
presentationType	String	Selected abstract Presentation Type.	<presentationType>Invited Presentation</presentationType>
reviews	Complex		Complex Child of Parent Root Includes following response elements: avgScore, reviewAbstracts, stdDev
avgScore	String	Abstract average score as calculated from the review score numerical ratings.	<avgScore>2.0</avgScore>
reviewAbstracts	Complex		Complex Child of reviews Includes following response elements: comment, commentToAuthor, conflictFI, disregardFI, recommendation, reviewer, scoreAbstracts, userDefined1, userDefined2, wrongCatFI
comment	String	Abstract review comment from reviewer. Usually comment is for admin.	<comment>Please make edit</comment>
commentToAuthor	String	Abstract review comment from reviewer back to the author.	<commentToAuthor>Thanks</commentToAuthor>
conflictFI	Boolean	Flag to indicate a conflict of interest with this reviewer and abstract.	<conflictFI>false</conflictFI>
disregardFI	Boolean	Flag to indicate a to disregard this particular review.	<disregardFI>false</disregardFI>
recommendation	Complex		Complex Child of reviewAbstracts Includes following response elements: recommendationDesc, recommendationName, recommendationRole,

Response Elements getAbstractsById	Type	Description	Example or Default Value
recommendationDesc	String	Recommendation description as defined by site.	<recommendationDesc>Newswo rthy</recommendationDesc>
recommendationName	String	Recommendation name as defined by site.	<recommendationName>Newswo rthy</recommendationName>
recommendationRole	String	ScholarOne Abstracts Role of the person making the recommendation.	<recommendationRole>Chair</re commendationRole>
RecommendationCode	Complex		Complex Child of reviewAbstracts Includes following response elements: recCodeDesc, recCodeName
recCodeDesc	String	Recommendation Code chosen (if configured).	<recCodeDesc></recCodeDesc>
recCodeName	String	Recommendation Code name chosen (if configured).	<recCodeName></recCodeName >
reviewer	Complex		Complex Child of reviewAbstracts Includes following response elements: personId, reviewerFirstname, reviewerLastname, reviewerMiddlename
personId	Integer	A unique numeric identifier associated with a person record (not the user's User ID used for accessing ScholarOne).	<personId>686975</personId>
reviewerFirstname	String	The first or given name of the reviewer.	<reviewerFirstname>Cody</review erFirstname>
reviewerLastname	String	The last name (surname or family name) of the reviewer.	<reviewerLastname>Howard</revi ewerLastname>
reviewerMiddlename	String	The middle name of the reviewer.	<reviewerMiddlename>Howard</re viewerMiddlename>
scoreAbstracts	Complex		Complex Child of reviewAbstracts Includes following response elements: scoreColumnDesc, scoreColumnName,

Response Elements getAbstractsById	Type	Description	Example or Default Value
			scoreColumnRole, scoreName, scoreValue
scoreColumnDesc	String	Abstract score column description	<scoreColumnDesc>Abstract Originality</scoreColumnDesc>
scoreColumnName	String	Abstract score column name	<scoreColumnName>Originality</scoreColumnName>
scoreColumnRole	String	Abstract score column reviewer role applicable to	<scoreColumnRole>Reviewer</scoreColumnRole>
scoreName	String	Abstract reviewer score that has been chosen.	<scoreName>Good</scoreName>
scoreValue	String	Abstract reviewer score numerical value that has been chosen. (e.g. used for average score calculation),	<scoreValue>5</scoreValue>
userDefined1	String	User defined flag 1 – configured per site for an abstract score.	<userDefined1>true</userDefined1>
userDefined2	String	User defined flag 2 – configured per site for an abstract score.	<userDefined2>true</userDefined2>
wrongCatFl	String	Flag to indicate wrong category with this reviewer and abstract.	<wrongCatFl>false</wrongCatFl>
stdDev	String	Calculated standard deviation of score numeric values for this abstract.	<stdDev>1.4</stdDev>
sponsor	Complex		Complex Child of Parent Root Includes following response elements: department, emailAddress, firstName, institution, lastName, memberId, personId, phone, sponsorId
department	String	The department listed for the sponsor.	<department>ScholarOne</department>
emailAddress	String	The email listed for the sponsor.	<emailAddress>cc@test.demo</emailAddress>
firstName	String	The first or given name of the sponsor.	<firstName>Cody</firstName>

Response Elements getAbstractsById	Type	Description	Example or Default Value
institution	String	The institution listed for the sponsor.	<institution>Thomson Reuters</institution>
lastName	String	The last name (surname or family name) of the sponsor.	<lastName>Smith</lastName>
memberId	String	Society Membership number of the sponsor.	<memberId>society_123</memberId>
personId	Integer	Integer A unique numeric identifier associated with a person record (not the user's User ID used for accessing ScholarOne).	<personId>686975</personId>
phone	String	Phone number of the sponsor.	<phone>43874783</phone>
sponsorId	String	Internal unique identifier of the sponsor.	< sponsorId>5487</sponsorId>
status	String	Abstract Status – Values: draft returned_to_draft deleted submitted resubmitted scored decisioned_rejected decisioned_accepted Sessioned Withdrawn author_withdrawn open_edit_draft	< status>submitted</status>
subPresentationType	String	Abstract sub-presentation type (if configured).	<subPresentationType>Organics</subPresentationType>
submissionRole	Complex		Complex Child of Parent Root Includes following response elements: roleId, roleName

Response Elements getAbstractsByld	Type	Description	Example or Default Value
roleId	Integer	Internal ID of the role of abstract submitter	<roleId>6767</roleId>
roleName	String	Name of submission role	<roleName>Submission New</roleName>
supplementalData	Complex		Complex Child of Parent Root Includes following response elements: desc, displayName, fileLocation, name, order, supplementalDataId, supplementalDataType
desc	String	Supplemental data description (if configured).	<desc>My description</desc>
displayName	String	Supplemental data display name.	<displayName>Disposition of Abstract</displayName>
fileLocation	String	Supplemental data file location as URL.	<fileLocation>https://acdemo.abstrcentral.com/viewer?TAG_ACTION=SECURE_FILE_DOWNLOAD&VIEW_FILE_KEY=13GLjCBivUMe4Fq2Yd9JaChH3d7Duivb1zfLiS36GNUc3ZW5S1EpWR</fileLocation>
name	String	Supplemental data file name of uploaded file.	<displayName>Disposition of Abstract</displayName>
order	Integer	Supplemental data file order	<order>1</order>
supplementalDataId	Integer	Supplemental data internal unique identifier.	< supplementalDataId>1787</ supplementalDataId>
supplementalDataType	String	Always "1" (1=Abstract).	< supplementalDataType>1</ supplementalDataType>
systemTags	Complex		Complex Child of Parent Root Includes following response elements: systemTag
systemTag	Complex		Complex Child of systemTags Includes following response elements:

Response Elements	Type	Description	Example or Default Value
getAbstractsByld			order, tagName, tagValue
order	Integer	The order system tags are displayed in the ScholarOne Abstracts system.	<order>2</order>
tagName	String	System tag name (based on site config).	<tagName>##SUBMISSION_SITE_URL##</tagName>
tagValue	String	System tag value (based on site config).	<tagValue>http://acdemo.abstractcentral.com</tagValue>
tables	Complex		Complex Child of Parent Root Includes following response elements: table
table	Complex		Complex Child of tables Includes following response elements: content, footer, title
content	String	Abstract table content (as HTML).	<content>This is my HTML</content>
footer	String	Abstract table footer	<footer>This is my footer</footer>
title	String	Abstract table title	<title>This is my title</title>
title	String	The title of the abstract submitted.	<title>In Vitro Reactions of the Beta-Blocker Dephrodol with Epithelial Tissue from Patients with Advanced Chronic Aortic Valve Failure</title>

getAbstractsByld Request / Response Examples

Example Request: getAbstractsByld

- Input: single Abstract ID
 - URL for use via HTTP request after Digest Authentication is performed:

https://api.abstractcentral.com/api/s1a/v1/abstracts/full/abstractsbyid?site_name=exports&_type=xml&ids='2663624'

Example Response: *getAbstractsById*

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Response>
  <status>SUCCESS</status>
  <callId>605073d0-96bc-4fc4-a6c9-02fb7738f482</callId>
  <result xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
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        <categoryId>276420</categoryId>
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        <subCategoryId>276421</subCategoryId>
      </categoryGroup>
    </abstractCategory>
    <abstractDetails>
      <detailGroup>
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        <detail>
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        </detail>
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      <detailGroup>
        <detail>
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    </detail>
    <detail>
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&lt;br&gt;&#xD;
Please answer:</question>
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    <fname>John</fname>
    <lname>Author</lname>
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```

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        <inst>CoAuthor Institution</inst>
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&lt;br&gt;&#xD;
Please answer:</question>
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<mname>CoWS</mname>
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```

```

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getSessionsById

getSessionsById submits a request consisting of a Session ID or IDs and returns metadata about a specific session or set of sessions.' Each request includes:

- Mandatory message header content for Authorization
 - Digest username (same as User Name)
 - Realm
 - Nonce
 - Response
- Mandatory message content for Authentication
 - Password (a provisioned API KEY, configured by the ScholarOne Relationship Manager into the caller's account profile)
 - User Name (Profile User Name, this the user id for logging into the API)
- Required Query Parameters
 - Session ID(s)
 - Site Short Name
- Optional Query Parameters
 - _type
 - External ID
- Resource
 - By sessionId: /api/s1a/v1/abstracts/full/sessionsbyid

Request Parameters

Element	Type	Description	Req'd	Example or Default Value
getSessionsById				
getSessionsById	Root		Yes	
username	String	"Profile" User Name. This is the user name used by the application – not a <i>ScholarOne Manuscripts</i> User. This is from the Caller's Profile.	Yes	sample_user_s1a
password	String	The API Key; Encrypted value uniquely identifying/authenticating Caller.	Yes	9XHT71YURIEPOC5B
ids	Integer or Integer Array	Session Id or Ids. Unique identifier for each Session in the ScholarOne Abstracts system. Internally to ScholarOne, this is a numeric value. Each entry must be	Yes, if submission IDs are	'153665' Or if a list is being requested:

Element getSessionsById	Type	Description	Req'd	Example or Default Value
		surrounded by single or double quotes and comma separated when more than one entry is specified.	not used.	'153665','153666','153667','153668','153669','153670','153671','153672','153673'
site_name	String	Site short name. The short name is the abbreviated or truncated name of the journal, society, publisher, or family.	Yes	exports
url	String	The Web Service URL, which identifies the specific service to handle the request.	Yes	v1/abstracts/full/sessionsbyid
external_id	String	An id value that can be set by the client for call tracking. API Caller supplied Text string to be stored with Audit History information.	No	123456
_type		The data type requested from the Service <xml> or <json>. This defaults to <xml>.	No	Can be xml (default if omitted), or json

Response Parameters⁴

Response Elements getSessionsById	Type	Description	Example or Default Value
status	String	State of a given request call.	Can be one of SUCCESS, FAILURE, or MAINTENANCE. <status>SUCCESS</status>
callId	String	The CALL_ID is the unique identifier for a given Web Services call. Generated by the <i>ScholarOne Web Services</i> application.	<callId>63631fe1-7378-4cc1-ab18-87c06c2eff58</callId>
profileCallId	String	An id value that is set by the client for call tracking. Set by the request's external_id element.	<profileCallId>11111</profileCallId>
programs	Complex		Complex Child of Parent Root

⁴ All non-501 responses will include Status and Call Id. profileCallId will be returned if an external_id is provided in the request.

Response Elements	Type	Description	Example or Default Value
getSessionsByld			Includes following response elements: program
program	Complex		Complex Child of programs Includes following response elements: dailyEndTime, dailyStartTime, endDate, name, programId, startDate, TimeInterval
dailyEndTime	Complex		Complex Child of program Includes following response elements: amPm, hour, minute
amPm	String	Program end time am / pm	<amPm>am</amPm>
hour	String	Program end time hour	<hour>08</hour>
minute	String	Program end time minute	<minute>30</minute>
dailyStartTime	Complex		Complex Child of program Includes following response elements: amPm, hour, minute
amPm	String	Program start time am / pm	<amPm>am</amPm>
hour	String	Program start time hour	<hour>08</hour>
minute	String	Program start time minute	<minute>30</minute>
endDate	Complex		Complex Child of program Includes following response elements: day, dayName, month, year
day	String	Program end date day of month.	<day>20</day>
dayName	String	Program end date day of week.	<dayName>Tuesday</dayName>

Response Elements	Type	Description	Example or Default Value
getSessionsById			
month	String	Program end date month.	<month>08</month>
year	String	Program end date year	<year>2013</year>
name	String	Program name	<name>Conference Chemistry</name> of
programId	String	Internal identifier for program.	<programId>20</programId>
startDate	Complex		Complex Child of program Includes following response elements: day, dayName, month, year
day	String	Program start date day of month.	<day>20</day>
dayName	String	Program start date day of week.	<dayName>Tuesday</dayName>
month	String	Program start date month.	<month>08</month>
year	String	Program start date year.	<year>2013</year>
timeInterval	Integer	Configured program time interval (e.g. 10 mintues).	<timeInterval>10</timeInterval>
sessions	Complex		Complex Child of Parent Root Includes following response elements: session
session	Complex		Complex Child of sessions Includes following response elements: csid, inlp, isInvited, isTicketed, itinLevelId, kind, LevelName, parentItinLevelId, presentations, programId, sessId, sessionAbbr, sessionActualAttendance, sessionCreator, sessionDate, sessionDetails, sessionDurationMinutes, sessionEndTime,

Response Elements	Type	Description	Example or Default Value
getSessionsByld			sessionExpectedAttendance, sessionHosts, sessionLearningObj01, sessionLearningObj02, sessionLearningObj03, sessionLocation, sessionNeeds, sessionNotes, sessionNotesAdmin, sessionProposalDateSubmitted, sessionProposalTimeSubmitted, sessionSponsor, sessionStartTime, sessionStatus, sessionTitle, sessionTrack, sessionTrackDetails, sessionTrackOwners, sessionTrack2userRoles, sessionType, showAbstractTimes, symposiaName, systemTags
csid	String	Client session id (value assigned by sessioner).	<csid>402</csid>
inlp	Boolean	Flag to indicate to include session in IP	<Inlp>>false</Inlp>
isInvited	Boolean	Flag to indicate if session is invited.	<isInvited>>false</isInvited>
isTicketed	Boolean	Flag to indicate if session is ticketed.	<isTicketed>>false</isTicketed>
itinLevelld	Integer	Internal system itinerary level Id	<itinLevelld>70</itinLevelld>
kind	Integer	Session kind value (1 = Session, 2 = Event, 3 = Symposia).	<kind>1</kind>
levelName	String	Name given to the level the session is linked to (when using level editor and not grid editor).	<levelName>Conference Level 1</levelName>
parentItinLevelld	String	Internal ID of the Parent level.	<parentItinLevelld>1</parentItinLevelld>
presentations	Complex		Complex Child of session Includes following response elements: presentation
presentation	Complex		Complex Child of presentations Includes following response elements: authors, body, images, title, presentationEndTime, presentationStartTime, sessionAbstractDetails, sessSort,

Response Elements getSessionsByld	Type	Description	Example or Default Value
			status, tables, title, type, userDefined1
authors	Complex		Complex Child of presentation Includes following response elements: author
author	Complex		Complex Child of authors Includes following response elements: affiliations, email, fname, invitation, i lname, mname, order, personId, presenter
affiliations	Complex		Complex Child of author Includes following response elements: affl
affl	Complex		Complex Child of affiliations Includes following response elements: authorOrder, city, country, dept, inst, number, state
authorOrder	Integer	Order of author in the abstract author list (Integer).	<authorOrder>1</authorOrder>
city	String	Author's affiliated city name from the author>>affiliation record.	<city>Ann Arbor</city>
country	String	Author's affiliated country name from the author>>affiliation record.	<country>United States</country>
dept	String	Author's affiliated department name from the author record.	<dept>c1 department 2</dept>
inst	String	Author's affiliated institution name from the author>>affiliation record.	<inst>U Mich</inst>
number		Affiliation number (Integer; unique per affiliation per abstract).	<number>1</number>

Response Elements getSessionsByld	Type	Description	Example or Default Value
state	String	Author's affiliated state or province name from the author's affiliation record.	<state>Michigan</state>
email	String	Author's Email address	<email>cc@test.demo</email>
fname	String	The first or given name of the author.	<fname>Cody</fname>
invitation	Complex		Complex Child of author Includes following response elements: customMessage, dateAcceptanceDecline, dateInvitationClose, dateLastSent, declineReason, details, emailTemplateName, id, invitationStatus, messageTemplateName, lastSent, role
customMessage	String	Custom message associated with the invitation.	<customMessage>Please see this wonderful invitation</customMessage>
dateAcceptanceDecline	Complex		Complex Child of invitation Includes following response elements: day, month, year
day	Integer	Invitation Response day of month.	<day>20</day>
month	Integer	Invitation Response month.	<month>08</month>
year	Integer	Invitation Response year.	<year>2013</year>
dateInvitationClose	Complex		Complex Child of invitation Includes following response elements: amPm, day, hour, minute, month, year
amPm	String	Invitation close date – am/pm	<amPm>am</amPm>

Response Elements	Type	Description	Example or Default Value
getSessionsById			
day	Integer	Invitation close day of month.	<day>20</day>
hour	Integer	Invitation close hour.	<hour>08</hour>
minute	Integer	Invitation close minute.	<minute>30</minute>
month	Integer	Invitation close month.	<month>08</month>
year	Integer	Invitation close year.	<year>2013</year>
dateLastSent	Complex		Complex Child of invitation Includes following response elements: day, month, year
day	Integer	Date of last invitation – day of month.	<day>20</day>
month	Integer	Date of last invitation – month.	<month>08</month>
year	Integer	Date of last invitation – year.	<year>2013</year>
declineReason	String	Invitation decline reason from invitee.	<declineReason>Sorry I have other plans that day.</declineReason>
details	Complex		Complex Child of invitation Includes following response elements: detail
detail	Complex		Complex Child of details Includes following response elements: detailName, fileLocation, id, responseName, responseValue
detailName	String	Invitation detail name (ScholarOne)	<detailName>Disposition of Abstract</detailName>
fileLocation	String	For details which are a file type – the URL pointing to the file.	<fileLocation>https://acdemo.abstractcentral.com/viewer?TAG_ACTION=SECURE_FILE_DOWNLOAD&VIEW_FILE_KEY=13GLjCBivUMe4Fq

Response Elements getSessionsByld	Type	Description	Example or Default Value
			2Yd9JaChH3d7Duivb1zfLiS36GNU c3ZW5S1EpWR</fileLocation>
id		Invitation detail identifier (ScholarOne)	<id>348</id>
responseName	String	Abstract detail response text given to user (Site specific)	<responseName>If accepted, my presentation will be made on PowerPoint.</responseName>
responseValue	String	Abstract detail response value (Site specific – may duplicate responseName)	<responseValue>If accepted, my presentation will be made on PowerPoint.</responseValue>
emailTemplateName	String	Name of email template associated with the invitation	<emailTemplateName>InviteEmail1</ emailTemplateName>
id	Integer	Internal ID of the invitation.	<id>5893</id>
invitationStatus	String	Invitation status: Accepted / Declined / Returned for editing / Incomplete Accept / Invited	<invitationStatus>Invited</invitation Status>
messageTemplateName	String	Name of message template associated with the invitation	<messageTemplateName>InviteMessage</messageTemplateName>
lastSent	String	Name of last sent email template type – Vlaues are: Invitation, Reminder, Notification	<emailTemplateName>Reminder</ emailTemplateName>
role	String	Role of the invitee – Presenter or Author.	<role>Author</role>
lname	String	The last name (surname or family name) of the author	<lname>Dupree</lname>
mname	String	The middle name of the author.	<mname>Desmond</mname>
order	Integer	The order contributing authors are entered into the ScholarOne Abstracts system for the submission.	<order>12</order>
personId	Integer	A unique numeric identifier associated with a person record (not the user's User ID used for accessing ScholarOne).	<personId>686975</personId>
presenter	Boolean	Indication of whether that author is of type Presenter on the given abstract. "true" indicates that author is a presenter for that submission.	<presenter>true</presenter>

Response Elements getSessionsByld	Type	Description	Example or Default Value
body	Complex		Complex Child of presentation Includes following response elements: section
section	Complex		Complex Child of body Includes following response elements: partOfBody, sectionName, text
partOfBody	Boolean	Flag to indicate whether the section is part of the abstract body.	<partOfBody>false</partOfBody>
sectionName	Complex		Complex Child of section Includes following response elements: bold, italic, nameAppears, underline
bold	Boolean	Is this body section bolded? (display for name only)	<bold>true</bold>
italic	Boolean	Is this body section in italic? (display for name only)	<italic>false</italic>
nameAppears	Boolean	Does body section name appear to submitting author?	<nameAppears>true</nameAppears>
underline	Boolean	Is this body section underlined? (display for name only)	<underline>false</underline>
text	String	Abstract body text as entered by submitting author.	<text>Bacterial Strains. Seventy-six strains of Y. pestis of all three biovars (Antiqua, Medievalis, and Orientalis) had been isolated between 1942 and 1998 from humans, fleas, and small mammals in diverse countries (Table 1 and Fig. 2). Gene fragments were sequenced from 36 strains, and IS100 typing was do.</text>
controlld	Integer	Attached abstract unique identifier	<controlld>54543</controlld>

Response Elements getSessionsById	Type	Description	Example or Default Value
decisionStatus	String	Attached abstract decision status (for session proposals).	<decisionStatus>Accepted</decisionStatus>
desc	String	Not used	
duration	Integer	Abstract duration in minutes	<duration>30</duration>
finalId	String	Final ID assigned to session abstract	<finalId>378A</finalId>
id	Integer	Internal unique identifier of the presentation	<id>48724</id>
images	Complex		Complex Child of presentation Includes following response elements: image
image	Complex		Complex Child of images Includes following response elements: caption, description, fileLocation, imageName
caption	String	Image caption text.	<caption>Carcinoma x 25</caption>
description	String	Image description text.	<description>Hi-res image of carcinoma</description>
fileLocation	String	URL pointing to abstract image.	<fileLocation>https://acdemo.abstractcentral.com/viewer?TAG_ACTION=SECURE_FILE_DOWNLOAD&VIEW_FILE_KEY=13GLjCBivUWRTowGTMmrWix3ahkjaDqH4KurfVmkwzJa366oyhRX3</fileLocation>
imageName	String	File name of uploaded image.	<imageName>pq1171005001.jpg</imageName>
presentationEndTime	Complex		Complex Child of presentation Includes following response elements: amPm, hour, minute
amPm	String	Presentation end AM/PM	<amPm>am</amPm>

Response Elements	Type	Description	Example or Default Value
getSessionsById			
hour	Integer	Presentation end hour	<hour>8</hour>
minute	Integer	Presentation end minute	<minute>30</minute>
presentationStartTime	Complex		Complex Child of presentation Includes following response elements: amPm, hour, minute
amPm	String	Presentation start AM/PM	<amPm>am</amPm>
hour	Integer	Presentation start hour	<hour>8</hour>
minute	Integer	Presentation start minute	<minute>30</minute>
sessionAbstractDetails	Complex		Complex Child of presentation Includes following response elements: sessionAbstractDetail
sessionAbstractDetail	Complex		Complex Child of sessionAbstractDetails Includes following response elements: data, name
data	String	Response to session abstract detail question.	<data>10</data>
name	String	Session abstract detail question name.	<name>What is the question?</name>
sessSort	Integer	Session item order	<sessSort>1</sessSort>
status	String	Abstract Status. Values are: draft returned_to_draft deleted submitted resubmitted	<satus>sessioned</status>

Response Elements getSessionsById	Type	Description	Example or Default Value
		scored decisioned_rejected decisioned_accepted sessioned withdrawn	
tables	Complex		Complex Child of presentation Includes following response elements: table
table	Complex		Complex Child of tables Includes following response elements: tableContent, tableFooter, tableTitle
tableContent	String	The HTML of the table	<tableContent>html here</tableContent>
tableFooter	String	Table title text	<tableFooter>footer here</tableFooter>
tableTitle	String	Table footer text	<tableTitle>footer here</tableTitle>
title	String	Presentation title	<title>This is the title of my session</title>
type	String	Type of the presentation	<type>abstract</type>
userDefined1	Boolean	Flag for user defined field.	<userDefined1>false</userDefined1>
programId	Integer	Internal ID of the program the session is linked to	<programId>543</programId>
sessId	Integer	Session unique identifier	<sessId>438793</sessId>
sessionAbbr	String	Session abbreviation text	<sessionAbbr>5433</sessionAbbr>
sessionActualAttendance	Integer	Actual attendance field	<sessionActualAttendance>45</sessionActualAttendance>

Response Elements getSessionsByld	Type	Description	Example or Default Value
sessionCreator	Complex		Complex Child of session Includes following response elements: email, fname, lname, mname, personId
email	String	Email address of the session creator	<email>a@a.com</email>
fname	String	First name of the session creator	<fname>John</fname>
lname	String	Last name of the session creator	<lname>Smith</lname>
mname	String	Middle name of the session creator	<mname></mname>
personId	Integer	ScholarOne internal person Id of the session creator	<personId>3433</personId>
sessionDate	Complex		Complex Child of session Includes following response elements: day, dayName, month, year
day	String	Session date day of month.	<day>20</day>
dayName	String	Session date day of week.	<dayName>Tuesday</dayName>
month	String	Session date day of month.	<month>08</month>
year	String	Session date year.	<year>2013</year>
sessionDetails	Complex		Complex Child of session Includes following response elements: sessionDetail
sessionDetail	Complex		Complex Child of sessionDetails Includes following response elements: data , name
data	String	Session detail response (text)	<data>green</data>

Response Elements	Type	Description	Example or Default Value
getSessionsByld			
name	String	Session detail name	<name>What color is it?</name>
sessionDurationMinutes	Integer	Session duration in minutes	<sessionDurationMinutes>30</sessionDurationMinutes>
sessionEndTime	Complex		Complex Child of session Includes following response elements: amPm, hour, minute
amPm	String	Session end time am / pm	<amPm>am</amPm>
hour	String	Session end time hour	<hour>08</hour>
minute	String	Session end time minute	<minute>30</minute>
sessionExpectedAttendance	Integer	Session expected numer of attendees	<sessionExpectedAttendance>127</sessionExpectedAttendance>
sessionHosts	Complex		Complex Child of session Includes following response elements: sessionHost
sessionHost	Complex		Complex Child of sessionHosts Includes following response elements: address1, address2, city, country, degree, dept, email, fax, fname, inst, invitation, lname, mname, order, personId, phone, postalCode, roleName, state, stateAbbrev
address1	String	Session host address line 1	<address1>375 Greenbrier Dr</address1>
address2	String	Session host address line 2	<addres2>Suite 200</address2>
city	String	Session host city	<city>Charlottesville</city>
country	String	Session host country	<country>United States</country>

Response Elements	Type	Description	Example or Default Value
getSessionsById			
degree	String	Session host degree	<degree>MD</degree>
dept	String	Session host dept	<dept>Surgery</dept>
email	String	Session host email	<email>cc@test.demo</email>
fax	String	Session host fax	<fax>333-000-3333</fax>
fname	String	Session host first name	<fname>Cody</fname>
inst	String	Session host institution	<inst>Thomson Reuters</inst>
invitation	Complex		Complex Child of sessionHost Includes following response elements: customMessage, dateAcceptanceDecline, dateInvitationClose, dateLastSent, declineReason, details, emailTemplateName, id, invitationStatus, messageTemplateName, lastSent, role,
customMessage	String	Custom message linked to the invitation	<customMessage>Please accept me</customMessage>
dateAcceptanceDecline	Complex		Complex Child of invitation Includes following response elements: day, month, year
day	Integer	Invitation Response day of month.	<day>20</day>
month	Integer	Invitation Response month.	<month>08</month>
year	Integer	Invitation Response year.	<year>2013</year>
dateInvitationClose	Complex		Complex Child of invitation Includes following response elements: amPm, day, hour, minute, month, year
amPm	String	Invitation close date – am/pm	<amPm>am</amPm>

Response Elements	Type	Description	Example or Default Value
getSessionsById			
day	Integer	Invitation close day of month.	<day>20</day>
hour	Integer	Invitation close hour.	<hour>08</hour>
minute	Integer	Invitation close minute.	<minute>30</minute>
month	Integer	Invitation close month.	<month>08</month>
year	Integer	Invitation close year.	<year>2013</year>
dateLastSent	Complex		Complex Child of invitation Includes following response elements: day, month, year
day	Integer	Date of last invitation – day of month.	<day>20</day>
month	Integer	Date of last invitation – month.	<month>08</month>
year	Integer	Date of last invitation – year.	<year>2013</year>
declineReason	String	Invitation decline reason from invitee.	<declineReason>Sorry I have other plans that day.</declineReason>
details	Complex		Complex Child of invitation Includes following response elements: detail
detail	Complex		Complex Child of details Includes following response elements: detailName, fileLocation, id, responseName, responseValue
detailName	String	Invitation detail name (ScholarOne)	<detailName>Disposition of Abstract</detailName>
fileLocation	String	For details which are a file type – the URL pointing to the file.	<fileLocation>https://acdemo.abstractcentral.com/viewer?TAG_ACTION=SECURE_FILE_DOWNLOAD&VIEW_FILE_KEY=13GLjCBivUMe4Fq

Response Elements getSessionsByld	Type	Description	Example or Default Value
			2Yd9JaChH3d7Duivb1zfLiS36GNU c3ZW5S1EpWR</fileLocation>
id		Invitation detail identifier (ScholarOne)	<id>348</id>
responseName	String	Abstract detail response text given to user (Site specific)	<responseName>If accepted, my presentation will be made on PowerPoint.</responseName>
responseValue	String	Abstract detail response value (Site specific – may duplicate responseName)	<responseValue>If accepted, my presentation will be made on PowerPoint.</responseValue>
emailTemplateName	String	Name of email template associated with the invitation	<emailTemplateName>InviteEmail1</ emailTemplateName>
id	Integer	Internal ID of the invitation.	<id>5893</id>
invitationStatus	String	Invitation status: Accepted / Declined / Returned for editing / Incomplete Accept / Invited	<invitationStatus>Invited</invitation Status>
messageTemplateName	String	Name of message template associated with the invitation	<messageTemplateName>InviteMessage</messageTemplateName>
lastSent	String	Name of last sent email template type – Vlaues are: Invitation, Reminder, Notification	<emailTemplateName>Reminder</ emailTemplateName>
role	String	Role of the invitee – Presenter or Author.	<role>Author</role>
lname	String	The last name (surname or family name) of the author	<lname>Dupree</lname>
mname	String	The middle name of the author.	<mname>Desmond</mname>
order	Integer	The order contributing authors are entered into the ScholarOne Abstracts system for the submission.	<order>12</order>
personId	Integer	A unique numeric identifier associated with a person record (not the user's User ID used for accessing ScholarOne).	<personId>686975</personId>
phone	String	Person phone number	<phone>555-555-5555</phone>
postalCode	String	Person post code (ZIP code)	<postalCode>45365</postalCode>

Response Elements	Type	Description	Example or Default Value
getSessionsById			
roleName	String	Role name the person has (names will be site specific).	<roleName>Abstract Submission</roleName>
stateAbbrev	String	State abbreviation (Only for country US, Canada or Australia)	<stateAbbrev>VA</stateAbbrev>
stateName	String	Full state name (Fixed for country US, Canada or Australia; Freeform for all other countries)	<stateName>Virginia</stateName>
sessionLearningObj01	String	Session learning objective text field 1	<sessionLearningObj01>This is my learning objective.</sessionLearningObj01>
sessionLearningObj02	String	Session learning objective text field 2	<sessionLearningObj02>This is my learning objective.</sessionLearningObj02>
sessionLearningObj03	String	Session learning objective text field 3	<sessionLearningObj03>This is my learning objective.</sessionLearningObj03>
sessionLocation	Complex		Complex Child of session Includes following response elements: room, venue
room	String	Room where the session is scheduled.	<room>Grand Ballroom</room>
venue	String	Venue where the session is scheduled	<venue>Hotel Grande</venue>
sessionNeeds	String	Notes about session needs	<sessionNeeds>Need some AV equipment</sessionNeeds>
sessionNotes	String	Generic session notes (all)	<sessionNotes></sessionNotes>
sessionNotesAdmin	String	Session notes for admin	<sessionNotesAdmin></sessionNotesAdmin>
sessionProposalDateSubmitted	Complex		Complex Child of session Includes following response elements: day, dayName, month, year

Response Elements	Type	Description	Example or Default Value
getSessionsById			
day	String	Session proposal date day of month.	<day>20</day>
dayName	String	Session proposal date day of week.	<dayName>Tuesday</dayName>
month	String	Session proposal date day of month.	<month>08</month>
year	String	Session proposal date year.	<year>2013</year>
sessionProposalTimeSubmitted	Complex		Complex Child of session Includes following response elements: amPm, hour, minute
amPm	String	Session proposal time submitted am / pm	<amPm>am</amPm>
hour	String	Session proposal time submitted hour	<hour>08</hour>
minute	String	Session proposal time submitted minute	<minute>30</minute>
sessionSponsor	String	Sponsor (text field)	<sessionSponsor>company1</sessionSponsor>
sessionStartTime	Complex		Complex Child of session Includes following response elements: amPm, hour, minute
amPm	String	Session start time am / pm	<amPm>am</amPm>
hour	String	Session start time hour	<hour>08</hour>
minute	String	Session start time minute	<minute>30</minute>
sessionStatus	String	Session Status. Values are: draft returned_to_draft deleted submitted resubmitted	<satus>admin created</status>

Response Elements	Type	Description	Example or Default Value
getSessionsById		scored decisioned_rejected decisioned_accepted sessioned withdrawn admin created	
sessionTitle	String	Title of the session	<sessionTitle>This is my session title</sessionTitle>
sessionTrack	String	Session track (text)	<sessionTrack>Organic Chemistry</sessionTrack>
sessionTrackDetails	Complex		Complex Child of session Includes following response elements: sessionTrackDetail
sessionTrackDetail	Complex		Complex Child of sessionTrackDetails Includes following response elements: data, name
data	String	Session track detail response (text)	<data>green</data>
name	String	Session track detail name	<name>What color is it?</name>
sessionTrackOwners	Complex		Complex Child of session Includes following response elements: sessionTrackOwner
sessionTrackOwner	Complex		Complex Child of sessionTrackOwners Includes following response elements: email, frame, inst, lname, order, personId, roleName

Response Elements	Type	Description	Example or Default Value
getSessionsById			
email	String	Session track owner email address	<email>cc@test.demo</email>
fname	String	The first or given name of the session track owner.	<fname>Cody</fname>
inst	String	The institution of the session track owner.	<inst>U Mich</inst>
lname	String	The last name (surname or family name) of the session track owner	<lname>Dupree</lname>
order	Integer	The order of the session track owner	<order>1</order>
personId	Integer	The ScholarOne PersonID of the session track owner	<personId>57843</personId>
roleName	String	The role name of the session track owner	<roleName>Speaker</roleName>
sessionTrack2userRoles	Complex		Complex Child of session Includes following response elements: sessionTrack2userRole
sessionTrack2userRole	Complex		Complex Child of sessionTrack2userRoles Includes following response elements: roleCloses, roleName
roleCloses	Complex		Complex Child of sessionTrack2userRole Includes following response elements: day, dayName, month, year
day	String	Role close date day of month.	<day>20</day>
dayName	String	Role close date day of week.	<dayName>Tuesday</dayName>
month	String	Role close date day of month.	<month>08</month>
year	String	Role close date year.	<year>2013</year>

Response Elements getSessionsByld	Type	Description	Example or Default Value
roleName	String	Name of the role	<roleName>Submission</roleName>
sessionType	String	Session Type	<sessionType>Poster</sessionType>
showAbstractTimes	Boolean	Flag to indicate whether to show abstract times in the itinerary planner.	<showAbstractTimes>>false</showAbstractTimes>
symposiaName	String	If session linked to symposia – this is the name of the symposia	<symposiaName>Chemistry symposia</symposiaName>
systemTags	Complex		Complex Child of session Includes following response elements: systemTag
systemTag	Complex		Complex Child of systemTags Includes following response elements: order, tagName, tagValue
order	Integer	The order system tags are displayed in the ScholarOne Abstracts system.	<order>2</order>
tagName	String	System tag name (based on site config).	<tagName>##SUBMISSION_SITE_URL##</tagName>
tagValue	String	System tag value (based on site config).	<tagValue>http://acdemo.abstractcentral.com</tagValue>

getSessionsById Request / Response Examples**Example Request: getSessionsById**

- Input: single Session ID
 - URL for use via HTTP request after **Digest Authentication** is performed:

`https://api.abstractcentral.com/api/s1a/v1/abstracts/full/sessionsbyid?site_name=exports&_type=xml&ids='248839'`

Example Response: getSessionsById

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Response>
  <status>SUCCESS</status>
  <callId>6a653170-7f43-49bb-92e4-5a841cd4630a</callId>
  <result xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="programsSessionsDTO">
    <programs>
      <program>
        <dailyEndTime>
          <amPm>PM</amPm>
          <hour>06</hour>
          <minute>00</minute>
        </dailyEndTime>
        <dailyStartTime>
          <amPm>AM</amPm>
          <hour>08</hour>
          <minute>00</minute>
        </dailyStartTime>
        <endDate>
          <day>26</day>
          <dayName>Saturday</dayName>
          <month>08</month>
          <year>2017</year>
        </endDate>
        <name>2014 Annual Meeting</name>
        <programId>3562</programId>
        <startDate>
          <day>22</day>
```

```

        <dayName>Tuesday</dayName>
        <month>08</month>
        <year>2017</year>
    </startDate>
    <timeInterval>15</timeInterval>
</program>
</programs>
<sessions>
    <session>
        <csid>1234</csid>
        <inIp>true</inIp>
        <isInvited>false</isInvited>
        <isTicketed>true</isTicketed>
        <itinLevelId>21742</itinLevelId>
        <kind>Session</kind>
        <levelName>Top Level</levelName>
        <parentItinLevelId>0</parentItinLevelId>
        <presentations>
            <presentation>
                <authors>
                    <author>
                        <affiliations>
                            <affl>
                                <authorOrder>1</authorOrder>
                                <city>Author City</city>
                                <country>United States</country>
                                <dept>Author Department</dept>
                                <inst>Author Institution</inst>
                                <number>1</number>
                                <state>Colorado</state>
                            </affl>
                        </affiliations>
                        <email>john@author.com</email>
                        <fname>John</fname>
                        <invitation>
                            <customMessage/>
                            <dateAcceptanceDecline>
                                <day>07</day>
                                <dayName>Monday</dayName>
                                <month>11</month>

```

```

        <year>2016</year>
    </dateAcceptanceDecline>
    <dateInvitationClose>
        <day/>
        <dayName/>
        <month/>
        <year/>
    </dateInvitationClose>
    <dateLastSent>
        <day>07</day>
        <dayName>Monday</dayName>
        <month>11</month>
        <year>2016</year>
    </dateLastSent>
    <declineReason/>
    <details>
        <detail>
            <detailName>SM Check Boxes</detailName>
            <id>35652</id>
            <responseName>SM CB 1</responseName>
            <responseValue>SM CB 1</responseValue>
        </detail>
        <detail>
            <detailName>SM Check Boxes</detailName>
            <id>35652</id>
            <responseName>SM CB 2</responseName>
            <responseValue>SM CB 2</responseValue>
        </detail>
        <detail>
            <detailName>SM File Upload</detailName>

    <fileLocation>https://exports.abstractcentral.com/viewer?TAG_ACTION=SECURE_FILE_DOWNLOAD&VIEW_FILE_KEY=239m3fWihJavQtMt3wYGhBWwSwGZ3AYQPZ63NKx26TEeQP2FzvMbKNHTaXX64tAr8c978De3f8Qn6Gtsv1aZby1AyM6jy8uj34L</fileLocation>
        <id>35653</id>

    <responseName>FILE_UPLOAD_RESPONSE</responseName>

    <responseValue>/exports/2963/detail_resp_files/684747/151094/684747_File000000.doc</responseValue>

```

```

        </detail>
    </details>
    <emailTemplateName>Invitation -
Presenter</emailTemplateName>

    <id>684747</id>
    <invitationStatus>Accepted</invitationStatus>
    <lastSent>Invitation</lastSent>

<messageTemplateName>Presenter</messageTemplateName>
    <role>Presenter</role>
</invitation>
    <lname>Author</lname>
    <mname>WS</mname>
    <order>1</order>
    <personId>4495494</personId>
    <presenter>true</presenter>
</author>
<author>
    <affiliations>
        <affl>
            <authorOrder>1</authorOrder>
            <city>CoAuthor City</city>
            <country>Argentina</country>
            <dept>CoAuthor Department</dept>
            <inst>CoAuthor Institution</inst>
            <number>2</number>
            <state>CoAuthor State</state>
        </affl>
    </affiliations>
    <email>jack@coauthor.com</email>
    <fname>Jack</fname>
    <lname>CoAuthor</lname>
    <mname>CoWS</mname>
    <order>2</order>
    <personId>4498303</personId>
    <presenter>false</presenter>
</author>
</authors>
<body>
    <section>

```

```

        <partOfBody>1</partOfBody>
        <sectionName>
            <bold>true</bold>
            <italic>true</italic>
            <name>Abstract Body</name>
            <nameAppears>true</nameAppears>
            <underline>true</underline>
        </sectionName>
        <text>Abstract Body</text>
    </section>
</body>
<controlId>2663624</controlId>
<decisionStatus>Accept as Oral</decisionStatus>
<desc/>
<duration>15</duration>
<finalId/>
<id>2118572</id>
<images>
    <image>
        <caption>Image Caption</caption>
        <description/>

<fileLocation>https://exports.abstractcentral.com/viewer?TAG_ACTION=SECURE_FILE_DOWNLOAD&VIEW_FILE_KEY=3aVLA48k3iqzHFfa7v7bQmfA11jvgRto6Wf4DGraQiwFHBx4HcyNqbrR7KS2EWSk8sZ</fileLocation>

        <imageName>2663624_File000000.jpg</imageName>
    </image>
</images>
<presentationEndTime>
    <amPm>AM</amPm>
    <hour>08</hour>
    <minute>15</minute>
</presentationEndTime>
<presentationStartTime>
    <amPm>AM</amPm>
    <hour>08</hour>
    <minute>00</minute>
</presentationStartTime>
<sessSort>1</sessSort>
<status>Sessioned</status>

```

```

        <tables>
            <table>
                <tableContent>&lt;table border='1' width='100%'
class=''&gt;&lt;tr&gt;&lt;td align='center' valign='middle'&gt;&lt;span
class='pagecontents'&gt;1&lt;/span&gt;&lt;/td&gt;&lt;td align='center'
valign='middle'&gt;&lt;span
class='pagecontents'&gt;2&lt;/span&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td
align='center' valign='middle'&gt;&lt;span
class='pagecontents'&gt;3&lt;/span&gt;&lt;/td&gt;&lt;td align='center'
valign='middle'&gt;&lt;span
class='pagecontents'&gt;4&lt;/span&gt;&lt;/td&gt;&lt;/tr&gt;&lt;/table&gt;</tableCo
ntent>

                <tableFooter>Abstract Table Footer</tableFooter>
                <tableTitle>Abstract Table Title</tableTitle>
            </table>
        </tables>
        <title>Abstract Title</title>
        <type>abstract</type>
        <userDefined1>false</userDefined1>
    </presentation>
</presentations>
<programId>3562</programId>
<sessId>248839</sessId>
<sessionAbbr>Session Abbr</sessionAbbr>
<sessionActualAttendance>100</sessionActualAttendance>
<sessionCreator>
    <email>zoran.dragovic@thomsonreuters.com</email>
    <fname>Zoran</fname>
    <lname>Dragovic</lname>
    <mname/>
    <personId>3920833</personId>
</sessionCreator>
<sessionDate>
    <day>22</day>
    <dayName>Tuesday</dayName>
    <month>08</month>
    <year>2017</year>
</sessionDate>
<sessionDetails>
    <sessionDetail>

```

```

        <data>WS Text</data>
        <name>Session Details Text</name>
    </sessionDetail>
    <sessionDetail>
        <data>1</data>
        <name>Session Details Check Boxes</name>
    </sessionDetail>
</sessionDetails>
<sessionDurationMinutes>180</sessionDurationMinutes>
<sessionEndTime>
    <amPm>AM</amPm>
    <hour>11</hour>
    <minute>00</minute>
</sessionEndTime>
<sessionExpectedAttendance>140</sessionExpectedAttendance>
<sessionLearningObj01>WS Learning Objective
1</sessionLearningObj01>
    <sessionLearningObj02>WS Learning Objective
2</sessionLearningObj02>
    <sessionLearningObj03>WS Learning Objective
3</sessionLearningObj03>
    <sessionLocation>
        <room>Web Services Room 1</room>
        <venue>Building A</venue>
    </sessionLocation>
    <sessionNeeds>WS Needs</sessionNeeds>
    <sessionNotes>WS Notes</sessionNotes>
    <sessionNotesAdmin>WS Notes to Admin</sessionNotesAdmin>
    <sessionProposalDateSubmitted>
        <day/>
        <dayName/>
        <month/>
        <year/>
    </sessionProposalDateSubmitted>
    <sessionSponsor>WS Sponsor</sessionSponsor>
    <sessionStartTime>
        <amPm>AM</amPm>
        <hour>08</hour>
        <minute>00</minute>
    </sessionStartTime>

```

```

<sessionStatus>admin_created</sessionStatus>
<sessionTitle>Web Services Session</sessionTitle>
<sessionTrack>Session Topic</sessionTrack>
<sessionType>Oral</sessionType>
<showAbstractTimes>true</showAbstractTimes>
<symposiaName/>
<systemTags>
  <systemTag>
    <tagName>##SOCIETY_HOME_PAGE##</tagName>
    <tagValue>http://www.scholarone.com/</tagValue>
  </systemTag>
  <systemTag>
    <tagName>##SITE_URL##</tagName>
    <tagValue>http://workflow1.abstractcentral.com/</tagValue>
  </systemTag>
  <systemTag>
    <tagName>##SUBMISSION_OPEN_TIME##</tagName>
    <tagValue>XX:XX AM EDT</tagValue>
  </systemTag>
  <systemTag>
    <tagName>##SUBMISSION_CLOSE_TIME##</tagName>
    <tagValue>XX:XX PM EDT</tagValue>
  </systemTag>
  <systemTag>
    <tagName>##MEETING_DATES##</tagName>
    <tagValue>XXXX XX, 201X</tagValue>
  </systemTag>
  <systemTag>
    <tagName>##NOTIFICATION_DATE##</tagName>
    <tagValue>XXXX XX, 201X</tagValue>
  </systemTag>
  <systemTag>
    <tagName>##LATE_NOTIFICATION_DATE##</tagName>
    <tagValue>XXXX XX, 201X</tagValue>
  </systemTag>
  <systemTag>
    <tagName>##SUBMISSION_OPEN_DATE##</tagName>
    <tagValue>XXXX XX, 201X</tagValue>
  </systemTag>
  <systemTag>

```



```

        <tagName>##SUBMISSION_CLOSE_DATE##</tagName>
        <tagValue>XXXX XX, 201X</tagValue>
    </systemTag>
    <systemTag>
        <tagName>##MEETING_LOCATION##</tagName>
        <tagValue>XXXX, XXXX</tagValue>
    </systemTag>
</systemTags>
</session>
</sessions>
</result>
</Response>

```

getPersonIds

getPersonIds submits a request consisting of a Date range and returns a list of Person Ids for person accounts that have changed within the requested date range. Each request includes:

- Mandatory message header content for Authorization
 - Digest username (same as User Name)
 - Realm
 - Nonce
 - Response
- Mandatory message content for Authentication
 - Password (a provisioned API KEY, configured by the ScholarOne Relationship Manager into the caller's account profile)
 - User Name (Profile User Name, this the user id for logging into the API)
- Required Query Parameters
 - Date Range
 - Site Short Name
- Optional Query Parameters
 - _type
 - External ID

- Resource
 - /api/s1a/v1/abstracts/full/personids

Request Parameters

Element getPersonIds	Type	Description	Req'd	Example or Default Value
getPersonIds	Root		Yes	
username	String	"Profile" User Name. This is the user name used by the application – not a <i>ScholarOne Manuscripts</i> User. This is from the Caller's Profile.	Yes	sample_user_s1a
password	String	The API Key; Encrypted value uniquely identifying/authenticating Caller.	Yes	9XHT71YURIEPOC5B
from_time	dateTime	The date and time in UTC at the beginning of the date range the caller is searching.	Yes	'2010-01-01 00:00:00.000000'
to_time	dateTime	The date and time in UTC at the end of the date range the caller is searching.	Yes	'2016-12-31 23:59:59.999999'
site_name	String	Site short name. The short name is the abbreviated or truncated name of the journal, society, publisher, or family.	Yes	exports
url	String	The Web Service URL, which identifies the specific service to handle the request.	Yes	v1/abstracts/full/personids
external_id	String	An id value that can be set by the client for call tracking. API Caller supplied Text string to be stored with Audit History information.	No	123456
_type		The data type requested from the Service <xml> or <json>. This defaults to <xml>.	No	Can be xml (default if omitted), or json

Response Parameters⁵

Response Elements getPersonIds	Type	Description	Example or Default Value
status	String	State of a given request call.	Can be one of SUCCESS, FAILURE, or MAINTENANCE. <status>SUCCESS</status>
callId	String	The CALL_ID is the unique identifier for a given Web Services call. Generated by the <i>ScholarOne Web Services</i> application.	<callId>63631fe1-7378-4cc1-ab18-87c06c2eff58</callId>
profileCallId	String	An id value that is set by the client for call tracking. Set by the request's external_id element.	<profileCallId>111111</profileCallId>
personIdList	Complex		Complex Child of Parent Root Includes following response elements: personId
personId	Integer	Unique identifier of the person. Unique identifier for each person in the ScholarOne Abstracts system. Internally to ScholarOne, this is a numeric value.	<personId>2684035</personId>

getPersonIds Request / Response Examples

Example Request: getPersonIds

- Input: Date Range (from_time & to_time)
 - URL for use via HTTP request after **Digest Authentication** is performed:

https://api.abstractcentral.com/api/s1a/v1/abstracts/full/personids?site_name=exports&_type=xml&from_time='2010-01-01 00:00:00.000000'&to_time='2016-12-31 23:59:59.999999'

⁵ All non-501 responses will include Status and Call Id. profileCallId will be returned if an external_id is provided in the request.

Example Response: *getPersonIdsDate*

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Response>
  <status>SUCCESS</status>
  <callId>c555e18e-423b-4ef0-87c4-03fa2ef1e0ee</callId>
  <result xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="abstractsPersonIdsDTO">
    <personIdList>
      <personId>2684035</personId>
      <personId>2684036</personId>
      <personId>2684037</personId>
      <personId>2684039</personId>
      <personId>2684040</personId>
      <personId>2684041</personId>
      <personId>2684042</personId>
      <personId>2684043</personId>
      <personId>2684044</personId>
      ... (omitted for brevity) ...
      <personId>2684046</personId>
    </personIdList>
  </result>
</Response>
```

getAbstractIds

getAbstractIds submits a request consisting of a Date range and returns a list of Abstract (or Control) Ids for abstracts that have changed within the requested date range. Each request includes:

- Mandatory message header content for Authorization
 - Digest username (same as User Name)
 - Realm
 - Nonce
 - Response
- Mandatory message content for Authentication

- Password (a provisioned API KEY, configured by the ScholarOne Relationship Manager into the caller's account profile)
- User Name (Profile User Name, this the user id for logging into the API)
- Required Query Parameters
 - Date Range
 - Site Short Name
- Optional Query Parameters
 - `_type`
 - External ID
- Resource
 - `/api/s1a/v1/abstracts/full/abstractids`

Request Parameters

Element	Type	Description	Req'd	Example or Default Value
getAbstractIds	Root		Yes	
username	String	"Profile" User Name. This is the user name used by the application – not a <i>ScholarOne Manuscripts</i> User. This is from the Caller's Profile.	Yes	sample_user_s1a
password	String	The API Key; Encrypted value uniquely identifying/authenticating Caller.	Yes	9XHT71YURIEPOC5B
from_time	dateTime	The date and time in UTC at the beginning of the date range the caller is searching.	Yes	'2014-01-01 00:00:00.000000'
to_time	dateTime	The date and time in UTC at the end of the date range the caller is searching.	Yes	'2016-12-31 23:59:59.999999'
site_name	String	Site short name. The short name is the abbreviated or truncated name of the journal, society, publisher, or family.	Yes	exports
url	String	The Web Service URL, which identifies the specific service to handle the request.	Yes	v1/abstracts/full/abstractids

Element	Type	Description	Req'd	Example or Default Value
getAbstractIds				
external_id	String	An id value that can be set by the client for call tracking. API Caller supplied Text string to be stored with Audit History information.	No	123456
_type		The data type requested from the Service <xml> or <json>. This defaults to <xml>.	No	Can be xml (default if omitted), or json

Response Parameters⁶

Response Elements	Type	Description	Example or Default Value
getAbstractIds			
status	String	State of a given request call.	Can be one of SUCCESS, FAILURE, or MAINTENANCE. <status>SUCCESS</status>
callId	String	The CALL_ID is the unique identifier for a given Web Services call. Generated by the <i>ScholarOne Web Services</i> application.	<callId>63631fe1-7378-4cc1-ab18-87c06c2eff58</callId>
profileCallId	String	An id value that is set by the client for call tracking. Set by the request's external_id element.	<profileCallId>11111</profileCallId>
abstractIdList	Complex		Complex Child of Parent Root Includes following response elements: abstractId
abstractId	Integer	Unique identifier of the abstract. Unique identifier for each abstract in the ScholarOne Abstracts system. Internally to ScholarOne, this is a numeric value.	<abstractId>88026</abstractId>

⁶ All non-501 responses will include Status and Call Id. profileCallId will be returned if an external_id is provided in the request.

getAbstractIds Request / Response Examples

Example Request: getAbstractIds

- Input: Date Range (from_time & to_time)
 - URL for use via HTTP request after **Digest Authentication** is performed:

https://api.abstractcentral.com/api/s1a/v1/abstracts/full/abstractids?site_name=exports&_type=x
ml&from_time='2014-01-01 00:00:00.000000'&to_time='2016-12-31 23:59:59.999999'

Example Response: getAbstractIdsDate

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Response>
  <status>SUCCESS</status>
  <callId>f606d9a0-9e68-4199-b685-c3510edf320b</callId>
  <result xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="abstractsIdsDTO">
    <abstractIdList>
      <abstractId>1829210</abstractId>
      <abstractId>1829216</abstractId>
      <abstractId>1829217</abstractId>
      <abstractId>1829231</abstractId>
      <abstractId>1829236</abstractId>
      <abstractId>1948657</abstractId>
    </abstractIdList>
  </result>
</Response>
```

getSessionIds

getSessionIds submits a request consisting of a Date range and returns a list of Session Ids for sessions that have changed within the requested date range. Each request includes:

- Mandatory message header content for Authorization
 - Digest username (same as User Name)

- Realm
- Nonce
- Response
- Mandatory message content for Authentication
 - Password (a provisioned API KEY, configured by the ScholarOne Relationship Manager into the caller's account profile)
 - User Name (Profile User Name, this the user id for logging into the API)
- Required Query Parameters
 - Date Range
 - Site Short Name
- Optional Query Parameters
 - _type
 - External ID
- Resource
 - /api/s1a/v1/abstracts/full/sessionids

Request Parameters

Element	Type	Description	Req'd	Example or Default Value
getSessionIds				
getSessionIds	Root		Yes	
username	String	"Profile" User Name. This is the user name used by the application – not a <i>ScholarOne Manuscripts</i> User. This is from the Caller's Profile.	Yes	sample_user_s1a
password	String	The API Key; Encrypted value uniquely identifying/authenticating Caller.	Yes	9XHT71YURIEPOC5B
from_time	dateTime	The date and time in UTC at the beginning of the date range the caller is searching.	Yes	'2010-02-01 00:00:00.000000'
to_time	dateTime	The date and time in UTC at the end of the date range the caller is searching.	Yes	'2016-12-31 23:59:59.999999'
site_name	String	Site short name. The short name is the abbreviated or truncated name of the journal, society, publisher, or family.	Yes	exports

Element getSessionIds	Type	Description	Req'd	Example or Default Value
url	String	The Web Service URL, which identifies the specific service to handle the request.	Yes	v1/abstracts/full/sessionids
external_id	String	An id value that can be set by the client for call tracking. API Caller supplied Text string to be stored with Audit History information.	No	123456
_type		The data type requested from the Service <xml> or <json>. This defaults to <xml>.	No	Can be xml (default if omitted), or json

Response Parameters⁷

Response Elements getSessionIds	Type	Description	Example or Default Value
status	String	State of a given request call.	Can be one of SUCCESS, FAILURE, or MAINTENANCE. <status>SUCCESS</status>
callId	String	The CALL_ID is the unique identifier for a given Web Services call. Generated by the <i>ScholarOne Web Services</i> application.	<callId>63631fe1-7378-4cc1-ab18-87c06c2eff58</callId>
profileCallId	String	An id value that is set by the client for call tracking. Set by the request's external_id element.	<profileCallId>111111</profileCallId>
sessionIdList	Complex		Complex Child of Parent Root Includes following response elements: sessionId
sessionId	Integer	Unique identifier of the session. Unique identifier for each session in the ScholarOne Abstracts system. Internally to ScholarOne, this is a numeric value.	<personId>88026</personId>

⁷ All non-501 responses will include Status and Call Id. profileCallId will be returned if an external_id is provided in the request.

getSessionIds Request / Response Examples

Example Request: getSessionIds

- Input: Date Range (from_time & to_time)
 - URL for use via HTTP request after Digest Authentication is performed:

https://api.abstractcentral.com/api/s1a/v1/abstracts/full/sessionids?site_name=exports&_type=xml&from_time='2010-01-01 00:00:00.000000'&to_time='2016-12-31 23:59:59.999999'

Example Response: getSessionIdsDate

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Response>
  <status>SUCCESS</status>
  <callId>371288ba-03f5-45f9-8fae-1d42ab187aec</callId>
  <result xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:type="abstractsSessionIdsDTO">
    <sessionIdList>
      <sessionId>153665</sessionId>
      <sessionId>153666</sessionId>
      <sessionId>153667</sessionId>
      <sessionId>153668</sessionId>
      <sessionId>153669</sessionId>
      <sessionId>153670</sessionId>
      <sessionId>153671</sessionId>
      <sessionId>153672</sessionId>
      <sessionId>153673</sessionId>
    </sessionIdList>
  </result>
</Response>
```

BANDWIDTH THROTTLING

ScholarOne Web Services use throttling to manage the number of requests processed per unit time. Throttling ensures consistent and reliable performance for all users of the service.

For the Version 1.0 API, throttling can be caused by too many client requests per unit time at the individual profile level and at the global system level. If your web services client is repeatedly causing throttling issues, you will be contacted by the ScholarOne Support Team for assistance in resolving the issue.

The *ScholarOne Web Services* companion **Sample Client** and the **Sample Client Guide** presents a mock throttling scenario so that you can become familiar with throttling errors. These tools also provide strategies for instrumenting your client for properly managing throttle errors.

Throttle limits will be enforced globally at the system level and also at the individual profile level. If either the global, system-level or the individual profile throttle threshold is exceeded, *ScholarOne Web Services* will return error code 500. It may become necessary to adjust your web client to limit the number of new session calls or the number of records requested per minute, hour, day, month, and year.

Error Messages

In the course of communicating with the web services, it is important that your web client be resilient and be able to handle *ScholarOne Web Services* maintenance windows, system-wide and Profile-level throttling, validation errors, issues with authentication and authorization, etc.

Error messages may be classified into two main categories:

REST Request Errors

Web Service Exception Errors

The first category of errors typically originates during authentication, authorization, or data validation processing, or by throttling. These types of errors can generally be remedied by correcting the request or simply by resubmitting it. When throttled, the web service will return a call back time within the error response message to inform automated retries.

Request errors return an HTTP 400-level error code plus a more specific ScholarOne (S1) error code to aid in troubleshooting.

The second category of errors typically originates on the server side, during scheduled or unscheduled maintenance, or when an unknown / unrecognized type of error has occurred. Your web client will be made aware of the issue when a 500-level S1 error code is returned.

- **HTTP 400-Level Error Codes** indicate that there is an issue with the calling message that originates at the client.
- **HTTP 500-Level Error Codes** let the client know there is a problem outside of their control; when possible *ScholarOne Web Services* try to include information about whether the client should retry and when. Having a defined protocol for retries helps avoid the situation where a system comes back up only to fall over again with all the traffic from 3rd party systems retrying every minute (or other interval) - this is a real concern for systems that are under heavy load.

Error Response Contents

Unless the response is of status = "SUCCESS" or the request times out resulting in an HTTP 504 being returned without a *ScholarOne Web Services*-specific error code, the following information will be returned as a result of calling *ScholarOne Web Services*:

Field	Description
Profile Call ID	If provided in the request, this is the value of the caller-provided external_id.
Status	The request outcome from the ScholarOne Web Services perspective.
Call ID	This is the unique identifier for a given Web Service call.

Provisionally, the following information will be provided in an error response:

Field	Description
Error Code	<i>ScholarOne Web Services</i> code returned to the requesting client in the case of an exception response or fault.
More Info	Human-readable, <i>ScholarOne Web Services</i> request call-specific error description.
User Message	Human-readable, <i>ScholarOne Web Services</i> error-specific error description.
Call Back Time	In UTC (Coordinated Universal Time) ⁸ , the date/time to try calling again. Will present only in STATUS = server MAINTENANCE situations.

⁸ Coordinated Universal Time is based on the 24-hour UTC time scale with a special UTC designator "Z", ex. format YYYY-MM-DDThh:mm:ssZ e.g. 2013-11-08T17:57:25Z

Field	Description
Status	In a failure response message, Status will be "FAILURE" or "MAINTENANCE"

Sample Error Response

```

<Response>
<errorDetails>
  <callBackTime>2013-11-18T16:45:24Z</callBackTime>
  <errorCode>500</errorCode>
  <moreInfo/>
  <userMessage>Throttle limit exceeded</userMessage>
</errorDetails>
<status>FAILURE</status>
<callID>8e49900d-0c69-4a7b-8e9c-7356bf0c7d93</callId>
</Response>

```

Table 1: Error Codes and Responses provides specific details regarding all error codes returned by ScholarOne Web Services.

APPENDIX

Table 1: Error Codes and Responses

S1 Response Code	HTTP Response Code	Response Status/Type	Client or Server Error?	User Message	Notes
100	500	FAILURE/ Service Related	Server	An unexpected error has occurred or System is not available	This is a generic error that may occur in various unexpected exception scenarios.
401	401	FAILURE/ Authentication	Client	Not Authenticated: UserName/Password is incorrect	The user/API key combination is not valid.
402	400	FAILURE/ Authorization	Client	Not Authorized	The user/API key combination is not authorized to access the Web Service operation.
405	400	FAILURE/ Authorization	Client	Not Authorized: incorrect site	The user/API key combination is not authorized to access the Journal/Site specified in the site_name parameter .
407	400	FAILURE/ Authorization	Client	Not Authorized: incorrect permissions	The user/API key combination is not authorized to access the Web Service operation.
408	400	FAILURE/ Authorization	Client	Not Authorized: operation unavailable	The user/API key combination is not authorized to access the Web Service operation.
500	400	FAILURE/ Throttle Related	Server	Throttle Limit Exceeded	Throttle limits will be enforced globally at the system level and also at the individual profile level. If either throttle threshold is exceeded, S1 will return a 500. It may become necessary to adjust your web client to limit the number of new session calls or the number of records requested per minute, hour, day, month, and year.
600	500	FAILURE/ Maintenance	Server	Maintenance	Web Service Platform Maintenance, All Web Services are off-line for all products.
601	500	FAILURE/ Maintenance	Server	Maintenance	Web Service Stack Maintenance, All Web Services are off-line for all products.

S1 Response Code	HTTP Response Code	Response Status/Type	Client or Server Error?	User Message	Notes
602	500	FAILURE/ Maintenance	Server	Maintenance: site in maintenance	Individual Application Maintenance, Web Services for specific products are off-line.
700	400	FAILURE/ Validation Related	Client	Validation error: invalid input	API Validation Error. Could be an API-level validation error (invalid input), or an API exception such as a schema mismatch.
701	400	FAILURE/ Validation Related	Client	Validation Error: Site shortname	Validation Error. Could be an API-level validation error (invalid input), or an API exception such as a schema mismatch.
800	400	FAILURE/ Validation Related	Client	Resubmit request with valid input	Error from specific Web Service operation. The error message is custom from the Web Service operation implementation.