Registration API Guide

CompuSystems

Contents

Overview

CompuSystems maintains data for its clients; this information is updated in real time through registration websites, Database Manager, and other proprietary tools from CSI. Clients at times need this registration information which currently is supplied to them via either a manual or automated process that requires setup.

Reg API exposes CSI registrant information to authorized users on-demand so that they can sync their systems or understand changes on registrant, session or demographics information.

Basic Details

To get access to the API, the user must request access from CSI. Once this is setup, the user can start using the API. Following are the various web service calls that are available through RegAPI:

- **Authenticate**
  Provides security by ensuring all login requests are successfully validated against a server, username, password, event code, and event number. Users who pass this validation will receive a token and may begin making web service requests.

- **GetRegistrationCount**
  Provides the number of people who registered for a show during a date range that you specify.

- **GetRegistrationNumbers**
  Provides a list of registration numbers for a specified month. You can use these numbers to obtain the following information:

  - **GetRegistrationInfo**
    Provides detailed registration information for each registrant you specify. *Note: Your results might vary from the examples shown in this text*.

  - **GetOptionInfo**
    Provides a list of all the options/tours/workshops, along with the quantity purchased, for each registrant you specify. *Note: Your results might vary from the examples shown in this text*.

  - **GetDemographicInfo**
    Provides a list of the demographic questions, along with the response codes, for each registrant you specify. *Note: Your results might vary from the examples shown in this text*.

Web Service Details

Reg API currently supports XML or SOAP to process requests and send responses.

General Information

API Endpoints

```
http://regapi.compusystems.com/CSIRegWS/API
```

User Login Request (Authenticate)

To access CSI's Reg API, the you must initially send an authenticate request. This request includes your previously established credentials and the event details for which information is desired.

> ### *Request Sent*
> The Authenticate web service should specify request type in the query as:
>
> ```
> http://regapi.compusystems.com/CSIRegWS/API?login
> ```
>
> Note that Reg API supports the HTTP **POST** method; other types of requests will return an error message.
>
> The login request should post the following XML structure:
>
> ```xml
> <csi>
>       <Header />
>       <Body>
>             <Authenticate>
>                   <Username>jdoe</Username>
>                   <Password>***</Password>
>                   <EventCode>blds14_p</EventCode>
>                   <EventNumber>912</EventNumber>
>             </Authenticate>
> ```

```
        </Body>
</csi>
```

Parameter	Type	Notes
Username	String	The username with API access that was previously set up by CSI.
Password	String	The same username and password used in Client Services.
EventCode	String	The event name set up by CSI. It should be communicated during show setup.
EventNumber	Integer	A CSI internal field for an event. It should be communicated during show setup.

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```
<Body>
    <AuthenticateResponse>
<AuthenticationToken>ejZk5KtbmSb...o+2E42wGLOXLQyL</AuthenticationToken>
    </AuthenticateResponse>
</Body>
```

Parameter	Type	Notes
AuthenticationToken	String	CSI will provide this token to indicate you are authorized to use Reg API. This token should be used on subsequent Reg API web service calls.

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Registration Count Request (GetRegistrationCount)

Provides the number of people who registered for a show during a specified date range.

Request Sent

The `GetRegistrationCount` web service should specify the request type in the query as:

```
http://regapi.compusystems.com/CSIRegWS/API?regCount
```

The `regCount` request should post the following XML structure:

```
<csi>
      <Header>

<AuthenticationToken>ejZk5KtbmSb+···+yQ8j4wo+2Ea8442wGLOXLQjAUGU+XcUmkia6fN
81xfmMuZQHJzBh4BgBQyL
              </AuthenticationToken>
              <EventCode>blds14_p</EventCode>
      </Header>
      <Body>
            <GetRegistrationCount>
                  <StartDate>2014-01-01</StartDate>
                  <EndDate>2014-10-01</EndDate>
            </GetRegistrationCount>
      </Body>
</csi>
```

Parameter	Type	Notes
AuthenticationToken	String	CSI will provide this token to indicate you are authorized to use Reg API. This token should be used on subsequent Reg API web service calls.
EventCode	String	The event name set up by CSI. It should be communicated during show setup and be the same as the one specified in the authentication call
StartDate	Date	The starting date in the date range when looking for registrants. The dates for which the system is searching are the dates on which the registrant record was

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		added to the database - starting with this date. The date format can be specified as: (YYYY-MM-DD), or optionally could include time if needed as (YYYY-MM-DD hh:mm:ss)
EndDate	Date	The ending date in the date range when looking for registrants. The dates for which the system is searching are the dates on which the registrant record was added to the database - ending with this date. The date format can be specified as: (YYYY-MM-DD), or optionally could include time if needed as (YYYY-MM-DD hh:mm:ss)

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```
<Body>
    <GetRegistrationCountResponse>
        <RegistrationCount>588417</RegistrationCount>
    </GetRegistrationCountResponse>
</Body>
```

Parameter	Type	Notes
RegistrationCount	Integer	The counts of all registrants who have registered between the provided date ranges.

Monthly Registration Data Request (GetRegistrationNumbers)

Provides the registration numbers of people who registered during a specified month.

Request Sent

This `GetRegistrationNumbers` web service should specify the request type in the query as:

```
http://regapi.compusystems.com/CSIRegWS/API?monthlyRegNumber
```

The `monthlyRegNumber` request should post the following XML structure:

```xml
<csi>
        <Header>

<AuthenticationToken>ejZk5KtbmSb+...+XcUmkia6fN81xfmMuZQHJzBh4BgBQyL
                </AuthenticationToken>
                <EventCode>blds14_p</EventCode>
        </Header>
        <Body>
                <GetRegistrationNumbers>
                        <StartDate>2014-01</StartDate>
                </GetRegistrationNumbers>
        </Body>
</csi>
```

Parameter	Type	Notes
AuthenticationToken	String	CSI will provide this token to indicate you are authorized to use Reg API. This token should be used on subsequent Reg API web service calls.
EventCode	String	The event name set up by CSI. It should be communicated during show setup and be the same as the one specified in the authentication call.
StartDate	Date	The month for which registration information is requested. The date format can be specified as: (YYYY-MM).

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```
<Body>
    <GetRegistrationNumbersResponse>
        <RegistrationNumber>588417</RegistrationNumber>
        <RegistrationNumber>588418</RegistrationNumber>
        <RegistrationNumber>588422</RegistrationNumber>
        <RegistrationNumber>588426</RegistrationNumber>
        ...
    </GetRegistrationNumbersResponse>
</Body>
```

Parameter	Type	Notes
RegistrationNumber	Integer	A CSI internal number for each registrant.

Registration Data Request over Range (GetRegistrationNumbers)

Provides the registration numbers of people who registered during a specified date range *(maximum of 30-day range)*.

Request Sent

This `GetRegistrationNumbers` web service should specify the request type in the query as:

```
http://regapi.compusystems.com/CSIRegWS/API?rangeAddRegNumber
```

The `rangeAddRegNumber` request should post the following XML structure:

```
<csi>
       <Header>

<AuthenticationToken>ejZk5KtbmSb+...+XcUmkia6fN81xfmMuZQHJzBh4BgBQyL
               </AuthenticationToken>
               <EventCode>blds14_p</EventCode>
       </Header>
       <Body>
               <GetRegistrationNumbers>
                       <StartDate>2014-01-01</StartDate>
                       <EndDate>2014-01-15</EndDate>
               </GetRegistrationNumbers>
       </Body>
</csi>
```

Parameter	Type	Notes
AuthenticationToken	String	CSI will provide this token to indicate you are authorized to use Reg API. This token should be used on subsequent Reg API web service calls.
EventCode	String	The event name set up by CSI. It should be communicated during show setup and be the same as the one specified in the authentication call.

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| StartDate | Date | The starting month and day for which registration information is requested. The date format can be specified as: (YYYY-MM-DD).

(You can also add a timestamp to this in hh:mm:ss) |
| EndDate | Date | The ending month and day for which registration information is requested. The date format can be specified as: (YYYY-MM-DD).

(You can also add a timestamp to this in hh:mm:ss) |

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```
<Body>
    <GetRegistrationNumbersResponse>
        <RegistrationNumber>588417</RegistrationNumber>
        <RegistrationNumber>588418</RegistrationNumber>
        <RegistrationNumber>588422</RegistrationNumber>
        <RegistrationNumber>588426</RegistrationNumber>
        ...
    </GetRegistrationNumbersResponse>
</Body>
```

Parameter	Type	Notes
RegistrationNumber	Integer	A CSI internal number for each registrant.

Registration Numbers for Modified Registration Data (GetRegistrationNumbers)

Provides the registration numbers of people who modified the registration within the specified date range.

Request Sent

This `GetRegistrationNumbers` web service should specify the request type in the query as:

```
http://regapi.compusystems.com/CSIRegWS/API?rangeModRegNumberRegData
```

The `rangeModRegNumberRegData` request should post the following XML structure:

```
<csi>
       <Header>

<AuthenticationToken>ejZk5KtbmSb+...+XcUmkia6fN81xfmMuZQHJzBh4BgBQyL
               </AuthenticationToken>
               <EventCode>blds14_p</EventCode>
       </Header>
       <Body>
               <GetRegistrationNumbers>
                       <StartDate>2014-01-01</StartDate>
                       <EndDate>2014-01-15</EndDate>
               </GetRegistrationNumbers>
       </Body>
</csi>
```

Parameter	Type	Notes
AuthenticationToken	String	CSI will provide this token to indicate you are authorized to use Reg API. This token should be used on subsequent Reg API web service calls.
EventCode	String	The event name set up by CSI. It should be communicated during show setup and be the same as the one specified in the authentication call.

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StartDate	Date	The starting month and day for which registration information is requested. The date format can be specified as: (YYYY-MM-DD). *(You can also add a timestamp to this in hh:mm:ss)*
EndDate	Date	The ending month and day for which registration information is requested. The date format can be specified as: (YYYY-MM-DD). *(You can also add a timestamp to this in hh:mm:ss)*

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```
<Body>
    <GetRegistrationNumbersResponse>
        <RegistrationNumber>588417</RegistrationNumber>
        <RegistrationNumber>588418</RegistrationNumber>
        <RegistrationNumber>588422</RegistrationNumber>
        <RegistrationNumber>588426</RegistrationNumber>
        ...
    </GetRegistrationNumbersResponse>
</Body>
```

Parameter	Type	Notes
RegistrationNumber	Integer	A CSI internal number for each registrant.

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Registration Numbers for Modified Options/Session Data (GetRegistrationNumbers)

Provides the registration numbers of people who modified session data within the specified date range.

Request Sent
This `GetRegistrationNumbers` web service should specify the request type in the query as:

```
http://regapi.compusystems.com/CSIRegWS/API?rangeModRegNumberOptData
```

The `rangeModRegNumberOptData` request should post the following XML structure:

```xml
<csi>
        <Header>

<AuthenticationToken>ejZk5KtbmSb+...+XcUmkia6fN81xfmMuZQHJzBh4BgBQyL
                </AuthenticationToken>
                <EventCode>blds14_p</EventCode>
        </Header>
        <Body>
                <GetRegistrationNumbers>
                        <StartDate>2014-01-01</StartDate>
                        <EndDate>2014-01-15</EndDate>
                </GetRegistrationNumbers>
        </Body>
</csi>
```

Parameter	Type	Notes
AuthenticationToken	String	CSI will provide this token to indicate you are authorized to use Reg API. This token should be used on subsequent Reg API web service calls.
EventCode	String	The event name set up by CSI. It should be communicated during show setup and be the same as the one specified in the authentication call.

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StartDate	Date	The starting month and day for which registration information is requested. The date format can be specified as: (YYYY-MM-DD). *(You can also add a timestamp to this in hh:mm:ss)*
EndDate	Date	The ending month and day for which registration information is requested. The date format can be specified as: (YYYY-MM-DD). *(You can also add a timestamp to this in hh:mm:ss)*

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```xml
<Body>
   <GetRegistrationNumbersResponse>
      <RegistrationNumber>588417</RegistrationNumber>
      <RegistrationNumber>588418</RegistrationNumber>
      <RegistrationNumber>588422</RegistrationNumber>
      <RegistrationNumber>588426</RegistrationNumber>
      ...
   </GetRegistrationNumbersResponse>
</Body>
```

Parameter	Type	Notes
RegistrationNumber	Integer	A CSI internal number for each registrant.

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Registration Numbers for Modified Demographics Data (GetRegistrationNumbers)

Provides the registration numbers of people who modified demographic data over the specified range.

Request Sent

This `GetRegistrationNumbers` web service should specify the request type in the query as:

```
http://regapi.compusystems.com/CSIRegWS/API?rangeModRegNumberDemoData
```

The `rangeModRegNumberDemoData` request should post the following XML structure:

```xml
<csi>
        <Header>

<AuthenticationToken>ejZk5KtbmSb+...+XcUmkia6fN81xfmMuZQHJzBh4BgBQyL
                </AuthenticationToken>
                <EventCode>blds14_p</EventCode>
        </Header>
        <Body>
                <GetRegistrationNumbers>
                        <StartDate>2014-01-01</StartDate>
                        <EndDate>2014-01-15</EndDate>
                </GetRegistrationNumbers>
        </Body>
</csi>
```

Parameter	Type	Notes
AuthenticationToken	String	CSI will provide this token to indicate you are authorized to use Reg API. This token should be used on subsequent Reg API web service calls.
EventCode	String	The event name set up by CSI. It should be communicated during show setup and be the same as the one specified in the authentication call.

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StartDate	Date	The starting month and day for which registration information is requested. The date format can be specified as: (YYYY-MM-DD). *(You can also add a timestamp to this in hh:mm:ss)*
EndDate	Date	The ending month and day for which registration information is requested. The date format can be specified as: (YYYY-MM-DD). *(You can also add a timestamp to this in hh:mm:ss)*

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```
<Body>
    <GetRegistrationNumbersResponse>
        <RegistrationNumber>588417</RegistrationNumber>
        <RegistrationNumber>588418</RegistrationNumber>
        <RegistrationNumber>588422</RegistrationNumber>
        <RegistrationNumber>588426</RegistrationNumber>
        ...
    </GetRegistrationNumbersResponse>
</Body>
```

Parameter	Type	Notes
RegistrationNumber	Integer	A CSI internal number for each registrant.

Registration Information Request (GetRegistrationInfo)

Provides detailed registration information.

Request Sent

The `GetRegistrationInfo` web service should specify the request type in the query as:

```
http://regapi.compusystems.com/CSIRegWS/API?regInfo
```

The `GetRegistrationInfo` web service call should specify a registration number for which registration information is requested.

The `regInfo` request should post the following XML structure:

```xml
<csi>
      <Header>

<AuthenticationToken>ejZk5KtbmSb+...+XcUmkia6fN81xfmMuZQHJzBh4BgBQyL
      </AuthenticationToken>
              <EventCode>blds14_p</EventCode>
      </Header>
      <Body>
            <GetRegistrationInfo>
                  <RegistrationNumber>588417</RegistrationNumber>
            </GetRegistrationInfo>
      </Body>
</csi>
```

Parameter	Type	Notes
AuthenticationToken	String	CSI will provide this token to indicate you are authorized to use Reg API. This token should be used on subsequent Reg API web service calls.
EventCode	String	The event name set up by CSI. It should be communicated during show setup and be the same as the one specified in the authentication call.
RegistrationNumber	Integer	A CSI internal number for each registrant.

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```xml
<Body>
    <GetRegistrationInfoResponse>
            <RegistrationInfo>
                <RegistrationNumber>588417</RegistrationNumber>
                <MemberNumber>000000105985</MemberNumber>
                <NamePrefix></NamePrefix>
                <FirstName>Jim</FirstName>
                <MiddleName></MiddleName>
                <LastName>Jones</LastName>
                <NameSuffix></NameSuffix>
                <Company1>Acme</Company1>
                <Company2></Company2>
                <Title></Title>
                <Address1>P.O. BOX 323</Address1>
                <Address2></Address2>
                <City>Brisbane</City>
                <State></State>
                <PostalCode>4106</PostalCode>
                <CountryName>Australia</CountryName>
                <CountryCode>AU</CountryCode>
                <PhoneCountryCode></PhoneCountryCode>
                <PhoneAreaCode>613</PhoneAreaCode>
                <Phone>55554366</Phone>
                <CellCountryCode></CellCountryCode>
                <CellAreaCode></CellAreaCode>
                <Cell></Cell>
                <FaxCountryCode></FaxCountryCode>
                <FaxAreaCode>613</FaxAreaCode>
                <Fax>55554555</Fax>
                <Email>jj@gmail.com</Email>
                <RegistrationCategoryCode>14</RegistrationCategoryCode>
                <ShowCode></ShowCode>
                <LabelCode>CSI</LabelCode>
                <PieceCode></PieceCode>
                <MembershipFlag></MembershipFlag>
                <AttendanceStatusCode>V</AttendanceStatusCode>
                <AttendanceVerificationDate>2014-03-10
14:08:10.0</AttendanceVerificationDate>
                <AddDate>2014-01-01 01:39:40.0</AddDate>
                <AddUserID>wrb9000</AddUserID>
                <OrganizationNumber></OrganizationNumber>
                <WebsiteURL></WebsiteURL>
                <CategoryGroupCode>008</CategoryGroupCode>
                <ShowValue1></ShowValue1>
```

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```
                <ShowValue2></ShowValue2>
                <ShowValue3></ShowValue3>
                <ShowValue4></ShowValue4>
                <ShowValue5></ShowValue5>
                <ShowValue6></ShowValue6>
                <ShowValue7></ShowValue7>
                <ShowValue8></ShowValue8>
                <ShowValue9></ShowValue9>
                <ShowValue10></ShowValue10>
                <ShowValue11></ShowValue11>
                <ShowValue12></ShowValue12>
                <ShowValue13></ShowValue13>
                <ShowValue14></ShowValue14>
            </RegistrationInfo>
        </GetRegistrationInfoResponse>
</Body>
```

Parameter	Type	Notes
RegistrationNumber	String	A CSI internal number for each registrant.
MemberNumber	String	The membership and/or unique id in the client's system.
NamePrefix	String	The prefix for the name (e.g., Mr., Mrs., etc.)
FirstName	String	The registrant's first name.
MiddleName	String	The registrant's middle name.
LastName	String	The registrant's last name.
NameSuffix	String	The suffix for the name (e.g., Jr., III, etc.)
Company1	String	The name of the company the registrant works for.
Company2	String	The additional name of the company the registrant works for.
Title	String	The registrant's job title.
Address1	String	The first line of the registrant's address.

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Address2	String	The second line (if needed) of the registrant's address.
City	String	The city for the registrant's address.
State	String	The state for the registrant's address.
PostalCode	String	The zip code / postal code of the registrant's address.
CountryName	String	The name of the country in the registrant's address.
CountryCode	String	The code associated with the country in the registrant's address.
PhoneCountryCode	String	The country code of the registrant's phone number.
PhoneAreaCode	String	The area code of the registrant's phone number.
Phone	String	The registrant's phone number.
CellCountryCode	String	The country code of the registrant's cell phone number.
CellAreaCode	String	The area code of the registrant's cell phone number.
Cell	String	The registrant's cell phone number.
FaxCountryCode	String	The country code of the registrant's fax number.
FaxAreaCode	String	The area code of the registrant's fax number.
Fax	String	The registrant's fax number.
Email	String	The registrant's email address.
RegistrationCategoryCode	String	Indicates the registrant's category.
ShowCode (Definable 1)	String	A unique number assigned to a given show in a given year. It's used to separate two different shows that use the same database (both are within the same evt_uid).
LabelCode (Definable 2)	String	A string of numbers and/or characters found on the label of registration

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		forms received at CSI. Defined on a per-show basis.
PieceCode (Definable 3)	String	This is used to store a code that identifies how the registrant came about registering for the show (e.g., direct mail piece, via a trade magazine, etc.). Defined on a per-show basis.
MembershipFlag	String	Indicates the registrant's membership status in the client's system.
AttendanceStatusCode	String	The codes used to indicate the registration status of an individual. ● *A = Advance* ● *O = Onsite* ● *V = Verified*
AttendanceVerificationDate	Date	The date on which a registrant was verified at the show.
AddDate	Date	The date on which the registrant registered for the show.
AddUserID	String	The identifier of the operator who entered the registration.
OrganizationNumber	String	The identifier of the exhibiting company.
WebsiteURL	VarChar	Visitor's company URL
CategoryGroupCode	Char	Registration grouping regtype_evtcode
ShowValue1 - ShowValue14	Char *(13 field)* VarChar *(1 field)*	Miscellaneous fields specific to a particular show.

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Option Detail Request (GetOptionInfo)

Provides a list of all of the registrant's selected options, along with the quantity purchased.

Request Sent

The GetOptionInfo web service should specify the request type in the query as:

```
http://regapi.compusystems.com/CSIRegWS/API?optionInfo
```

The GetOptionInfo web service call should specify a registration number for which option information is requested.

The optionInfo request should post the following XML structure:

```xml
<csi>
  <Header>
    <AuthenticationToken>ejBk5KtbmSb+...42wrQJMy3KxwSgYai18Fh86SOTnjXZViy
    </AuthenticationToken>
    <EventCode>blds14_p</EventCode>
  </Header>
  <Body>
    <GetOptionInfo>
      <RegistrationNumber>150423</RegistrationNumber>
    </GetOptionInfo>
  </Body>
</csi>
```

Parameter	Type	Notes
AuthenticationToken	String	CSI will provide this token to indicate you are authorized to use Reg API. This token should be used on subsequent Reg API web service calls.
EventCode	String	The event name set up by CSI. It should be communicated during show setup and be the same as the one specified in the authentication call.
RegistrationNumber	Integer	A CSI internal number for each registrant.

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```
<Body>
    <GetOptionInfoResponse>
        <RegistrationNumber>150423</RegistrationNumber>
        <Option>
            <OptionCode>8B</OptionCode>
            <QuantityPurchased>1</QuantityPurchased>
        </Option>
        <Option>
            <OptionCode>8AF</OptionCode>
            <QuantityPurchased>1</QuantityPurchased>
        </Option>
        <Option>
            <OptionCode>PD01</OptionCode>
            <QuantityPurchased>1</QuantityPurchased>
        </Option>
        <Option>
            <OptionCode>8A</OptionCode>
            <QuantityPurchased>1</QuantityPurchased>
        </Option>
    </GetOptionInfoResponse>
</Body>
```

Parameter	Type	Notes
RegistrationNumber	Integer	A CSI internal number for each registrant.
OptionCode	String	This uniquely identifies each option the registrant purchased.
QuantityPurchased	String	This is the number of each option the registrant purchased.

Demographic Information Request (GetDemographicInfo)

Provides a list of all of the selected registrant's demographic questions, along with the response code for each question answered.

Request Sent

The GetDemographicInfo web service should specify the request type in the query as:

```
http://regapi.compusystems.com/CSIRegWS/API?demoInfo
```

The GetDemographicInfo web service call should specify a registration number for which demographic information is requested.

The demoInfo requests should post the following XML structure:

```xml
<csi>
  <Header>
    <AuthenticationToken>ejBk5KtbmSb+...2wrQJMy3KxwSgYai18Fh86SOTnjXZViy
    </AuthenticationToken>
    <EventCode>blds14_p</EventCode>
  </Header>
  <Body>
    <GetDemographicInfo>
      <RegistrationNumber>150423</RegistrationNumber>
    </GetDemographicInfo>
  </Body>
</csi>
```

Parameter	Type	Notes
AuthenticationToken	String	CSI will provide this token to indicate you are authorized to use Reg API. This token should be used on subsequent Reg API web service calls.
EventCode	String	The event name set up by CSI. It should be communicated during show setup and be the same as the one specified in the authentication call.

RegistrationNumber	Integer	A CSI internal number for each registrant.

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```xml
<Body>
   <GetDemographicInfoResponse>
        <RegistrationNumber>588417</RegistrationNumber>
        <Question>
          <QuestionCode>PRACTICE</QuestionCode>
          <QuestionText>What is your practice focus?</QuestionText>
          <ResponseCode>01</ResponseCode>
          <OtherResponse></OtherResponse>
        </Question>
        <Question>
          <QuestionCode>PRACTICE</QuestionCode>
          <QuestionText>What is your practice focus?</QuestionText>
          <ResponseCode>09</ResponseCode>
          <OtherResponse></OtherResponse>
        </Question>
        <Question>
          <QuestionCode>PRACTICE</QuestionCode>
          <QuestionText>What is your practice focus?</QuestionText>
          <ResponseCode>15</ResponseCode>
          <OtherResponse></OtherResponse>
        </Question>
   </GetDemographicInfoResponse>
</Body>
```

Parameter	Type	Notes
RegistrationNumber	Integer	A CSI internal number for each registrant.
QuestionCode	String	The identifier for the demographic question.
QuestionText	String	The demographic question's text.
ResponseCode	String	The identifier for the response the registrant selected for the demographic question.
OtherResponse	String	The response for the "Other" field, when applicable.

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Troubleshooting

Each Reg API request is validated against CSI policies and Reg API validation rules. If a request is found to not fit these rules, a unique error code is returned. An example of such response is illustrated below:

```
<Body>
    <Error>
        <ErrorCode>3003</ErrorCode>
    </Error>
</Body>
```

Error Codes

The table below lists the error codes used with Reg API:

Error Code	Notes
3001	Invalid Authentication request, refer user manual (above) for details.
3002	Authentication denied, contact CSI to get regAPI access
3003	Authentication token expired, please request new token.
2001-2040	Invalid Request parameters, refer user manual (above) for details.
4000-4200	General error, contact CSI for details with specific error code.

Document Information

Authors: Scott Buckley, Brad Jensen
SMEs: Saurabh Parashar, Brad Jensen, Kim Sader, Troy Burkle

Date	Revision	Description
22 Oct 2014	1.0	First draft.
23 Oct 2014	1.1	Incorporated comments from Kim Sader and Saurabh Parashar.
24 Oct 2014	1.2	Incorporated Brad Jensen's review comments. Edited screen data via the "inspect element" browser function to ensure no actual registration data is displayed.
30 Oct 2014	1.3	Included updated Reg API Tester screenshot.
07 Nov 2014	1.4	Incorporated Saurabh's, Kim's, and Brad's latest changes.
20 Jan 2015	1.4.1	Finalized document with Saurabh.
28 Jan 2015	1.4.2	Updated the format for the 'StartDate' field to YY:MM. Noted that the 'OrganizationNumber' field is a string.
16 Feb 2015	1.4.3	**Mantis 45616:** ● Added OFC services GetRangeAddRegNumber and GetRangeModRegNumber. ● Added <WebsiteURL>, <CategoryGroupCode>, and <ShowValueN> to GetRegistrationInfo.
05 Mar 2015	1.4.4	Added three new GetRegistrationNumbers web services. Updated screen shots to reflect the new UI.
13 Mar 2015	1.4.5	Removed reference to the Tester.