

# MA SIF Sent Object Search (Massachusetts)

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Tool Search: MA SIF Object Search

MA SIF Sent Object Search tool allow you to search for and audit SIF data sent to the state and filter this data based on a defined date range, SIF object, and other identifiers.

This tool is especially helpful when auditing data manually published via [MA SIF Publish Tool](#) or [SIF Record Updater](#).

MA SIF Sent Object Search ☆

System Settings > Data Interchange Administration > MA SIF Sent Object Search

MA SIF Sent Object Search

This tool will generate a report with the selected SIF objects and search criteria in XML format that have been sent to the state. To view the report, save the file and open with an XML editor.

Extract Options

School Year\*

2022-2023 ▼

Start Date\*

10/27/2022

End Date\*

10/27/2022

SIF Agent\*

SIFAgent ▼

SIF Zone\*

SIFZone ▼

SIF Object\*

LEAInfo ▼

RefID(s)

Person ID(s)

Course ID(s)

Section ID(s)

Generate Audits

Submit to Batch

Refresh

Show top 50 ▼ tasks submitted between 10/20/2022 and 10/27/2022

Batch Queue List

Queued Time	Report Title	Status	Download

MA SIF Sent Object Search

**Read** - Access and generate the MA SIF Sent Object Search tool

**Write** - Provides no function for this tool

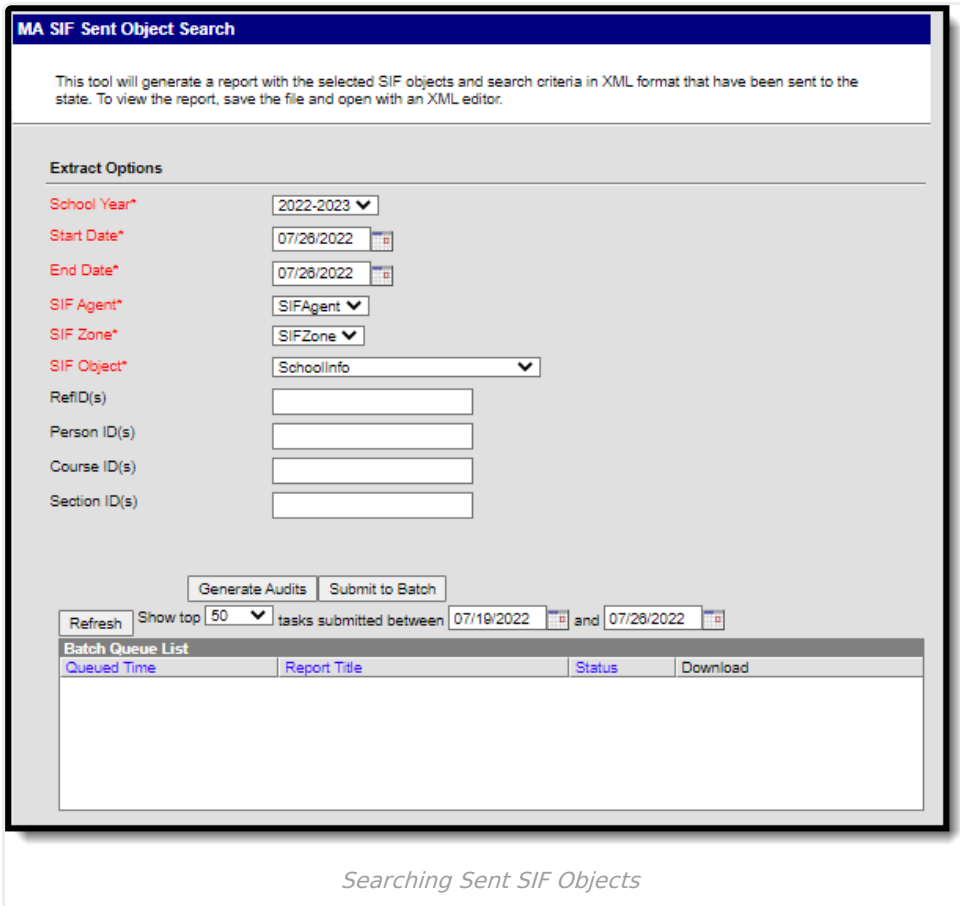
**Add** - Provides no function for this tool

**Delete** - Provides no function for this tool

For more information about Tool Rights and how they function, see [this Tool Rights article](#).

# Searching Sent SIF Objects

When searching sent SIF object records, consider filtering data to better audit and investigate sent data.



**MA SIF Sent Object Search**

This tool will generate a report with the selected SIF objects and search criteria in XML format that have been sent to the state. To view the report, save the file and open with an XML editor.

**Extract Options**

School Year\* 2022-2023 ▼

Start Date\* 07/26/2022

End Date\* 07/26/2022

SIF Agent\* SIFAgent ▼

SIF Zone\* SIFZone ▼

SIF Object\* SchoolInfo ▼

RefID(s)

Person ID(s)

Course ID(s)

Section ID(s)

Generate Audits Submit to Batch

Refresh Show top 50 tasks submitted between 07/19/2022 and 07/26/2022

Queued Time	Report Title	Status	Download

*Searching Sent SIF Objects*

## To Search

1. Select the **School Year**.
2. Enter a **Start Date**. This is first day in the reported date range.
3. Enter an **End Date**. This is the last day in the reported date range.
4. Select the **SIF Agent**. If only one Agent exists, this field will default to this value.
5. Select the **SIF Zone**. If only one Zone exists, this field will default to this value.
6. Select the **SIF Object** you wish to search.
7. To search for a specific record(s), use one of the following options:
  - **RefID(s)** - Find a specific record(s) based on the refID(s).
  - **PersonID(s)** - Find a specific record(s) based on the PersonID(s).
  - **CourseID(s)** - Find a specific record(s) based on the CourseID(s).
  - **SectionID(s)** - Find a specific record(s) based on the SectionID(s).
8. Decide how the report should be generated:
  - **Generate Audits** - Selecting this option processes the report immediately. Once completed, the report will prompt you with the option to save the XML file of the report.
  - **Submit to Batch** - This option allows you to schedule when the report will be processed. Submitting to batch allows the report to generate in the background, allowing you to continue working throughout Campus while it processes and prevents the report from

impacting system performance. Once the report has completed processing, the user can access it via the [Batch Queue](#) tool.

Infinite Campus recommends using the **Submit to Batch** option as results may take awhile to complete.

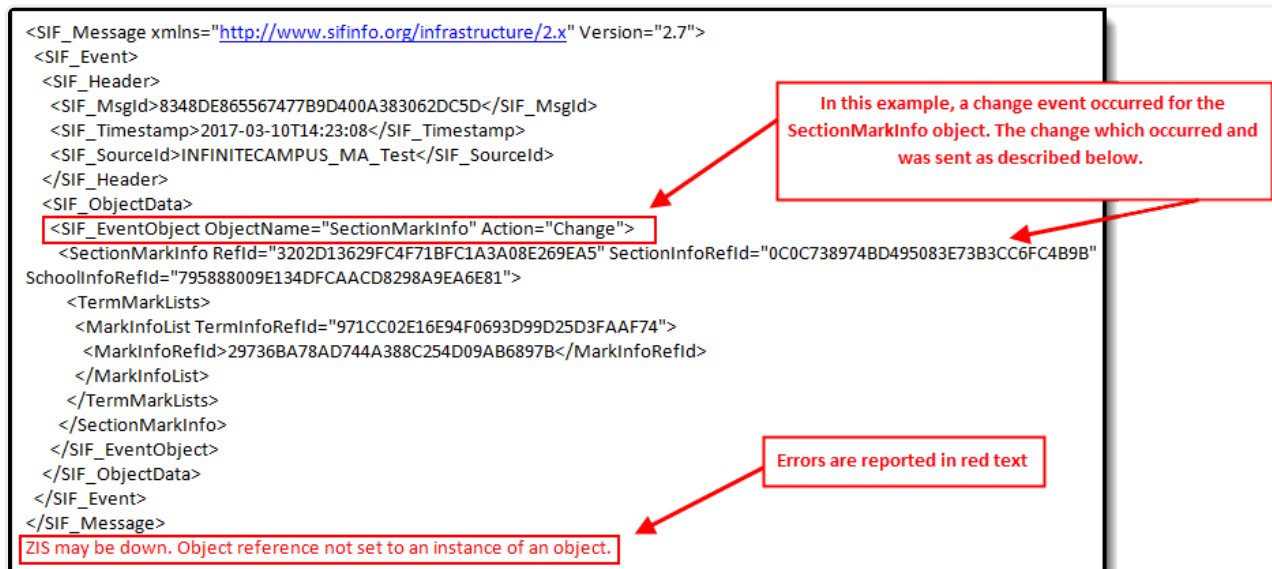
## Opening SIF Search Result Files

You can open and view SIF Message Audit files using any XML editor such as [Notepad++](#).

## Understanding SIF Sent Object Search Results

SIF Sent Object Search results show the exact XML sent to the state per object and describe the action taken and data sent as a result of this action. In the example below, a change event occurred for the SectionMarkInfo object (Image 4).

Any errors which occurred are displayed at the bottom in red text.



The screenshot displays an XML document with the following structure:

```
<SIF_Message xmlns="http://www.sifinfo.org/infrastructure/2.x" Version="2.7">
  <SIF_Event>
    <SIF_Header>
      <SIF_MsgId>8348DE865567477B9D400A383062DC5D</SIF_MsgId>
      <SIF_Timestamp>2017-03-10T14:23:08</SIF_Timestamp>
      <SIF_SourceId>INFINITECAMPUS_MA_Test</SIF_SourceId>
    </SIF_Header>
    <SIF_ObjectData>
      <SIF_EventObject ObjectName="SectionMarkInfo" Action="Change">
        <SectionMarkInfo RefId="3202D13629FC4F71BFC1A3A08E269EA5" SectionInfoRefId="0C0C738974BD495083E73B3CC6FC4B9B"
        SchoolInfoRefId="795888009E134DFCAACD8298A9EA6E81">
          <TermMarkLists>
            <MarkInfoList TermInfoRefId="971CC02E16E94F0693D99D25D3FAAF74">
              <MarkInfoRefId>29736BA78AD744A388C254D09AB6897B</MarkInfoRefId>
            </MarkInfoList>
          </TermMarkLists>
        </SectionMarkInfo>
      </SIF_EventObject>
    </SIF_ObjectData>
  </SIF_Event>
</SIF_Message>
```

Annotations in the image include:

- A red box highlights the `<SIF_EventObject ObjectName="SectionMarkInfo" Action="Change">` line, with a callout stating: "In this example, a change event occurred for the SectionMarkInfo object. The change which occurred and was sent as described below."
- A red box highlights the error message at the bottom: "ZIS may be down. Object reference not set to an instance of an object.", with a callout stating: "Errors are reported in red text".

*Example of a SIF Sent Object Search Result with Error*