# Certificate Search

Certificate Search is a REST compliant webservice that provides an XML based interface to search for and retrieve HECM and Homeownership Certificates

The input files for each mode are identical, but require different data to be populated.

## List Mode

**Must be populated:**

* DateRangeBegin
* DateRangeEnd
* \_CertificateType
* \_FirstName
* \_LastName
* \_PostalCode

**Must be blank:**

* \_CertificateID

Date ranges may not be greater than 6 months

Last names and postal codes must be exact matches.

First names must match first 3 characters.

At this time, only HECMCounselingCertificate is permitted for \_CertificateType.

## Detail Mode

**Must be populated:**

* \_CertificateType
* CertificateID

**Must be blank:**

* DateRangeBegin
* DateRangeEnd
* \_FirstName
* \_LastName
* \_PostalCode

Certificate IDs must be exact matches.

Requests for certificates that are purged will trigger a restore process and the certificate should be available within 30 minutes.

At this time, only HECMCounselingCertificate is permitted for \_CertificateType.

## Status Codes and Messages

|  |  |
| --- | --- |
| **Program malfunction (9XX) 500 Status** | |
| 999 | Unable to process; Please try later |
| 999 | Unable to process; User XXXXXX is not authorized for Certificate Search |
| **Document completeness rules (1XX) 500 Status** | |
| 102 | Please provide //EMORTGAGE\_PACKAGE/KEY[@\_Name='TransactionMode']/@\_Value. |
| 103 | Please provide element for //EMORTGAGE\_PACKAGE/KEY[@\_Name='DateRangeBegin']/@\_Value. |
| 104 | Please provide element for //EMORTGAGE\_PACKAGE/KEY[@\_Name='DateRangeEnd']/@\_Value. |
| 105 | Please provide element for |
|  | //EMORTGAGE\_PACKAGE/SMART\_DOCUMENT/HEADER/DOCUMENT\_INFORMATION/@\_CertificateType. |
| 106 | Please provide element for |
|  | //EMORTGAGE\_PACKAGE/SMART\_DOCUMENT/DATA/MAIN/CERTIFICATE/\_APPLICATION/PROPERTY/@\_PostalCode. |
| 107 | Please provide element for |
|  | //EMORTGAGE\_PACKAGE/SMART\_DOCUMENT/DATA/MAIN/CERTIFICATE/\_APPLICATION/CLIENT/@\_FirstName. |
| 108 | Please provide element for |
|  | //EMORTGAGE\_PACKAGE/SMART\_DOCUMENT/DATA/MAIN/CERTIFICATE/\_APPLICATION/CLIENT/@\_LastName. |
| 109 | Please provide element for |
|  | //EMORTGAGE\_PACKAGE/SMART\_DOCUMENT/DATA/MAIN/CERTIFICATE/\_CLOSING\_DOCUMENTS/CERTIFICATE/@\_CertificateID. |
| **Data pre-edit rules (2XX) 400 Status** | |
| 201 | The value, ([user entered data]) is not valid for //EMORTGAGE\_PACKAGE/KEY[@\_Name='TransactionMode']/@\_Value. |
| 202 | The value, ([user entered data]) is not valid for |
|  | //EMORTGAGE\_PACKAGE/SMART\_DOCUMENT/HEADER/DOCUMENT\_INFORMATION/@\_CertificateType. |
| 203 | Invalid date for //EMORTGAGE\_PACKAGE/KEY[@\_Name='DateRangeBegin']/@\_Value |
| 204 | Invalid date for //EMORTGAGE\_PACKAGE/KEY[@\_Name='DateRangeEnd']/@\_Value |
| 205 | //EMORTGAGE\_PACKAGE/KEY[@\_Name='DateRangeBegin']/@\_Value must contain a valid date when |
|  | //EMORTGAGE\_PACKAGE/KEY[@\_Name='TransactionMode']/@\_Value is 'List'. |
| 206 | //EMORTGAGE\_PACKAGE/KEY[@\_Name='DateRangeEnd']/@\_Value must contain a valid date when |
|  | //EMORTGAGE\_PACKAGE/KEY[@\_Name='TransactionMode']/@\_Value is 'List'. |
| 207 | //EMORTGAGE\_PACKAGE/KEY[@\_Name='DateRangeEnd']/@\_Value must occur after |
|  | //EMORTGAGE\_PACKAGE/KEY[@\_Name='DateRangeBegin']/@\_Value |
| 208 | //EMORTGAGE\_PACKAGE/KEY[@\_Name='DateRangeEnd']/@\_Value must occur no more than 6 months after |
|  | //EMORTGAGE\_PACKAGE/KEY[@\_Name='DateRangeBegin']/@\_Value |
| 209 | //EMORTGAGE\_PACKAGE/SMART\_DOCUMENT/DATA/MAIN/CERTIFICATE/\_CLOSING\_DOCUMENTS/CERTIFICATE/@\_CertificateID |
|  | must be blank when //EMORTGAGE\_PACKAGE/KEY[@\_Name='TransactionMode']/@\_Value is 'List' |
| 210 | //EMORTGAGE\_PACKAGE/KEY[@\_Name='DateRangeBegin']/@\_Value is required when |
|  | //EMORTGAGE\_PACKAGE/KEY[@\_Name='TransactionMode']/@\_Value is 'List' |
| 211 | //EMORTGAGE\_PACKAGE/KEY[@\_Name='DateRangeEnd']/@\_Value is required when |
|  | //EMORTGAGE\_PACKAGE/KEY[@\_Name='TransactionMode']/@\_Value is 'List' |
| 212 | //EMORTGAGE\_PACKAGE/SMART\_DOCUMENT/DATA/MAIN/CERTIFICATE/\_APPLICATION/PROPERTY/@\_PostalCode is required when |
|  | //EMORTGAGE\_PACKAGE/KEY[@\_Name='TransactionMode']/@\_Value is 'List' |
| 213 | //EMORTGAGE\_PACKAGE/SMART\_DOCUMENT/DATA/MAIN/CERTIFICATE/\_APPLICATION/CLIENT/@\_FirstName is required when |
|  | //EMORTGAGE\_PACKAGE/KEY[@\_Name='TransactionMode']/@\_Value is 'List' |
| 214 | //EMORTGAGE\_PACKAGE/SMART\_DOCUMENT/DATA/MAIN/CERTIFICATE/\_APPLICATION/CLIENT/@\_LastName is required when |
|  | //EMORTGAGE\_PACKAGE/KEY[@\_Name='TransactionMode']/@\_Value is 'List' |
| 215 | //EMORTGAGE\_PACKAGE/SMART\_DOCUMENT/DATA/MAIN/CERTIFICATE/\_CLOSING\_DOCUMENTS/CERTIFICATE/@\_CertificateID is required |
| 216 | //EMORTGAGE\_PACKAGE/SMART\_DOCUMENT/DATA/MAIN/CERTIFICATE/\_CLOSING\_DOCUMENTS/CERTIFICATE/@\_CertificateID is required |
|  | //EMORTGAGE\_PACKAGE/KEY[@\_Name='TransactionMode']/@\_Value is 'Detail' |
| 217 | //EMORTGAGE\_PACKAGE/KEY[@\_Name='DateRangeBegin']/@\_Value musbe blank when |
|  | //EMORTGAGE\_PACKAGE/KEY[@\_Name='TransactionMode']/@\_Value is 'Detail' |
| 218 | //EMORTGAGE\_PACKAGE/KEY[@\_Name='DateRangeEnd']/@\_Value musbe blank when |
|  | //EMORTGAGE\_PACKAGE/KEY[@\_Name='TransactionMode']/@\_Value is 'Detail' |
| 219 | //EMORTGAGE\_PACKAGE/SMART\_DOCUMENT/DATA/MAIN/CERTIFICATE/\_APPLICATION/PROPERTY/@\_PostalCode must be blank when |
|  | //EMORTGAGE\_PACKAGE/KEY[@\_Name='TransactionMode']/@\_Value is 'Detail' |
| 220 | //EMORTGAGE\_PACKAGE/SMART\_DOCUMENT/DATA/MAIN/CERTIFICATE/\_APPLICATION/CLIENT/@\_FirstName must be blank when |
|  | //EMORTGAGE\_PACKAGE/KEY[@\_Name='TransactionMode']/@\_Value is 'Detail' |
| 221 | //EMORTGAGE\_PACKAGE/SMART\_DOCUMENT/DATA/MAIN/CERTIFICATE/\_APPLICATION/CLIENT/@\_LastName must be blank when  //EMORTGAGE\_PACKAGE/KEY[@\_Name='TransactionMode']/@\_Value is 'Detail' |
| **Unsuccessful returns (3XX) 200 Status** | |
| 301 | Your search returned no matches. |
| 302 | Certificate record [certificate id from input] is archived. Restore in progress, please check back in 15 minutes. |
| 303 | Certificate record [certificate id from input] certificateID# not found |
| **Successful returns (0) 200 status** | |
| 0 | Your list operation returned XXX records |
| 0 | Record Detail Retrieved For //EMORTGAGE\_PACKAGE/SMART\_DOCUMENT/DATA/MAIN/CERTIFICATE/CLOSING\_DOCUMENTS/CERTIFICATE/@\_CertificateID XXXXXXXXX |

## Key Values and meanings

|  |  |  |
| --- | --- | --- |
| **\_Name** | **Data Type** | **\_Value** |
| TransactionMode | String | [List, Detail]   List mode returns a list of certificate records with summary data.  Detail mode returns details of a particular certificate, including a Base64 representation of the PDF rendering of the certificate. |
| Status | String | [Sucess, Error] Status of transaction. |
| StatusMessage | Alphanumeric | Description of status. Up to 25 messages may be displayed describing various error conditions for an Error status. |
| DateRangeBegin | Date [yyyymmdd] | Beginning date for certificate searches. |
| DateRangeEnd | Date [yyyymmdd] | Ending date for certificate searches. |

To use the Certificate Search service set the content-type to “application/xml” and post the XML file as the body of the request.

To post your data to the pilot system use <https://entptest.hud.gov/b2b/chums/f17certificate.cfc?method=execute>

To post your data to the production system use

<https://entp.hud.gov/b2b/chums/f17certificate.cfc?method=execute>