

ACPE - CPE Monitor

Partial Credit Processing Using SOAP Requests

In order to assist with partial credit submissions, the following method has been created. Please note that this is intended for use by Jointly Accredited providers.

Production URL: <https://cpemonitor.acpe-accredit.org/service/CPEMONitorService.asmx>

TEST URL: <https://cpemonitortest.acpe-accredit.org/service/CPEMONitorService.asmx>

METHOD: SubmitCPEPartialCredit

Description: This web service will be used to award partial credit for a specified UAN to a learner.

(Please note that there are many patterns and techniques for invoking a web service call depending on the development platform currently utilized by the provider organization. It is the responsibility of the provider organization to design and develop their web service call to fit their software application environment. ACPE is not responsible for how web service calls are made by organizations.)

To make the web service call, the UserName and Password assigned to the organization must be included in the SOAP Message header.

| <i>Parameter Name</i> | <i>Data Type</i> | <i>Max Length</i> | <i>Required</i> | <i>Description</i> |
|-----------------------|------------------|-------------------|-----------------|--|
| UserName | Character | 20 | Y | The UserName assigned by ACPE at time of account provisioning. |
| Password | Character | 20 | Y | The Password defined at time of account provisioning. |

The web service method (**SubmitCPEPartialCredit**) has the following parameters:

| <i>Parameter Name</i> | <i>Data Type</i> | <i>Max Length</i> | <i>Required</i> | <i>Description</i> | <i>Sample Data</i> |
|-----------------------|------------------|-------------------|-----------------|---|--|
| ProviderNumber | Character | 4 | Y | The Provider Number assigned to the organization by ACPE. This is a four digit value with leading zero. | 0197 |
| ePID | Numeric | 10 | Y | NABP e-Profile ID. Leading zeros are <u>not</u> required but will be accepted. | 12345 |
| DateOfBirth | Character | 4 | Y | MMDD of Date Of Birth are required. This is a 4-digit field with leading zeros. | 1224 0502 |
| UAN | Character | 50 | Y | ACPE Universal Activity Number is an identification number which is assigned to each new continuing pharmacy education activity developed, or cosponsored, by an ACPE-accredited provider. This value must match exactly to what appears in the ACPE Provider Web Tool. | 0205-0000-10-002-L05-P 0205-0000-10-002-L05-T |

| <i>Parameter Name</i> | <i>Data Type</i> | <i>Max Length</i> | <i>Required</i> | <i>Description</i> | <i>Sample Data</i> |
|-----------------------|------------------|-------------------|-----------------|--|--------------------|
| DateOfParticipation | Date | | Y | MM/DD/YYYY – the month, day, and year that the participant completed the course. | 2018-01-05 |
| Action | Character | 1 | Y | The action expected for the record provided. Provide an “I” for Insert or “D” for Delete of Activity Records. | I D |
| CreditAwarded | Decimal | 10,3 | Y | <p>The partial credit amount to be awarded.</p> <ul style="list-style-type: none"> • Must be greater than zero and less than or equal to the full credit amount assigned to the UAN • Only a single partial credit record will be accepted. • Only call this method when the learner has completed course and the total partial credit to award has been accumulated. | 1.500 |

The web service method (**SubmitCPEPartialCredit**) has the following xml document returned to the calling program/process:

| <i>Element Name</i> | <i>Data Type</i> | <i>Max Length</i> | <i>Description</i> | <i>Sample Data</i> |
|---------------------|------------------|-------------------|---|--|
| results | | | A set of results. | |
| result | | | A specific result. | |
| ProviderNumber | Character | 4 | The Provider Number that was submitted by the provider via the web service. | 0197 |
| ePID | Numeric | 10 | NABP e-Profile ID that was submitted by the provider via the web service. | 12345 |
| DateOfBirth | Character | 4 | MMDD of Date Of Birth that was submitted by the provider via the web service. | 1224 0502 |
| UAN | Character | 50 | ACPE Universal Activity Number that was submitted by the provider via the web service. This value must match exactly to what appears in the ACPE Provider Web Tool. | 0205-0000-10-002-L05-P 0205-0000-10-002-L05-T |
| DateOfParticipation | Date | | MM/DD/YYYY – the month, day, and year that was submitted by the provider via the web service. | 05/28/2010 |

| <i>Element Name</i> | <i>Data Type</i> | <i>Max Length</i> | <i>Description</i> | <i>Sample Data</i> |
|---------------------|------------------|-------------------|---|--------------------------|
| Action | Character | 1 | The action that was submitted by the provider via the web service. | I D |
| ParticipantType | Character | 1 | The participant type. This will be "P" for pharmacist and pharmacist technician. | P |
| ParticipantCount | Numeric | 10 | The participant count. This can be ignored for pharmacists and pharmacist technicians. | 0 |
| CreditAwarded | Decimal | 10,3 | The partial credit awarded. | 1.5 |
| Status | Character | 20 | The status of the web service submission. "Accepted" – if the submission passes all validation and can be submitted to NABP. "Rejected" – if the submission does not pass validation OR an error was encountered during processing. | Accepted Rejected |
| Errors | | | A collection of errors. | |
| Error | | | A specific error. | |
| Number | Numeric | 10 | Number representing a specific error. | 110, 999 |
| Source | Character | 10 | Source of the error. | ACPE, NABP |

| Element Name | Data Type | Max Length | Description | Sample Data |
|--------------|-----------|------------|---------------------------------------|-----------------------|
| Description | Character | 500 | Description of the error encountered. | UAN Number not found. |

Submitting Partial Credits using HTTP Get With JSON Response

METHOD: SubmitCPEPartialCreditJSON

HTTP GET

GET

```
/service/cpemonitorservice.asmx/SubmitCPEPartialCreditJSON?provider_number=string&epid=string&date_of_birth=string&uan=string&date_of_participation=string&action=string&creditawarded=decimal&username=string&password=string HTTP/1.1
```

Host: cpemonitor.acpe-accredit.org

The web service method (**SubmitCPEPartialCreditJSON**) has the following parameters:

| Parameter Name | Data Type | Required | Description | Sample Data |
|-----------------|-----------|----------|---|-------------|
| provider_number | String | Y | The Provider Number assigned to the organization by ACPE. This is a four digit value with leading zero. | 0197 |
| epid | String | Y | NABP e-Profile ID. Leading zeros are <u>not</u> required but will be accepted. | 12345 |

| <i>Parameter Name</i> | <i>Data Type</i> | <i>Required</i> | <i>Description</i> | <i>Sample Data</i> |
|-----------------------|------------------|-----------------|---|--|
| date_of_birth | String | Y | MMDD of Date Of Birth are required. This is a 4-digit field with leading zeros. | 1224 0502 |
| uan | String | Y | ACPE Universal Activity Number is an identification number which is assigned to each new continuing pharmacy education activity developed, or cosponsored, by an ACPE-accredited provider. This value must match exactly to what appears in the ACPE Provider Web Tool. | 0205-0000-10-002-L05-P 0205-0000-10-002-L05-T |
| date_of_participation | String | Y | YYYY-MM-DD – the month, day, and year that the participant completed the course. | 2010-05-28 |
| action | String | Y | The action expected for the record provided. Provide an “I” for Insert or “D” for Delete of Activity Records. | I D |

| <i>Parameter Name</i> | <i>Data Type</i> | <i>Required</i> | <i>Description</i> | <i>Sample Data</i> |
|-----------------------|-------------------|-----------------|--|--------------------|
| credit_awarded | Decimal (10,3) | Y | <p>The partial credit amount to be awarded.</p> <ul style="list-style-type: none"> • Must be greater than zero and less than or equal to the full credit amount assigned to the UAN • Only a single partial credit record will be accepted. • Only call this method when the learner has completed course and the total partial credit to award has been accumulated. | 1.500 |
| username | String | Y | The UserName assigned by ACPE at time of account provisioning. | |
| password | String | Y | The Password defined at time of account provisioning. | |

The web service method (**SubmitCPEPartialCreditJSON**) has the following JSON Object returned to the calling program/process:

| <i>Element Name</i> | <i>Data Type</i> | <i>Description</i> | <i>Sample Data</i> |
|-----------------------|------------------|---|--|
| provider_number | String | The Provider Number that was submitted by the provider via the web service. | 0197 |
| epid | String | NABP e-Profile ID that was submitted by the provider via the web service. | 12345 |
| date_of_birth | String | MMDD of Date Of Birth that was submitted by the provider via the web service. | 1224 0502 |
| uan | String | ACPE Universal Activity Number that was submitted by the provider via the web service. | 0205-0000-10-002-L05-P 0205-0000-10-002-L05-T |
| date_of_participation | String | MM/DD/YYYY – the month, day, and year that was submitted by the provider via the web service. | 05/28/2010 |
| action | String | The action that was submitted by the provider via the web service. | I D |
| credit_awarded | Decimal (10,3) | The credit amount awarded. | 1.500 |
| status | String | The status of the web service submission. “Accepted” – if the submission passes all validation and can be submitted to NABP. “Rejected” – if the submission does not pass validation OR an error was encountered during processing. | Accepted Rejected |

| <i>Element Name</i> | <i>Data Type</i> | <i>Description</i> | <i>Sample Data</i> |
|---------------------|------------------|--|---|
| participant_type | String | The participant type. This will be "P" for pharmacists and pharmacist technicians. | P |
| participant_count | Numeric | The participant count. This can be ignored for pharmacists and pharmacist technicians. | 0 |
| error_message | String | All error descriptions concatenated into a single string. | * Invalid UAN Number. * UAN Number Not Found. * ePID and DOB do not exist on NABP file. |
| errors | Array | A collection of errors. | |
| error_number | Numeric | Number representing a specific error. | 110, 999 |
| error_source | String | Source of the error. | ACPE, NABP |
| error_description | String | Description of the error encountered. | UAN Number not found. |

JSON HTTP GET Example:

HTTP GET

```
https://cpemonitortest.acpe-accredit.org/service/cpemonitorservice.asmx
/SubmitCPEPartialCreditJSON?provider_number=0197&epid=11111
&date_of_birth=1016&uan=11-11-11-11&date_of_participation=2011-11-11
&action=I&credit_awarded=1.500&username=user123&password=pwd123
```

JSON Result Example:

HTTP GET Response

```
{
  "provider_number": "0197",
  "epid": "11111",
  "date_of_birth": "1016",
  "uan": "11-11-11-11",
  "date_of_participation": "11/11/2011",
  "action": "I",
  "credit_awarded": 1.500,
  "status": "Rejected",
  "error_message": " * Invalid UAN Number. * UAN Number Not Found. * ePID and
  DOB do not exist on NABP file.",
  "errors": [
    {
      "error_number": 106,
      "error_source": "ACPE",
      "error_description": "Invalid UAN Number."
    },
    {
      "error_number": 110,
      "error_source": "ACPE",
      "error_description": "UAN Number Not Found."
    },
    {
      "error_number": 111,
      "error_source": "ACPE",
      "error_description": "ePID and DOB do not exist on NABP file."
    }
  ]
}
```

Error Messages: The possible error numbers/messages that can be returned:

| Number | Source | Error | Description/Corrective Action |
|--------|--------|---|---|
| 102 | ACPE | Invalid ePID - Must Be Numeric and At Least 4 Digits In Length. | ePID is not a number or less than 4 digits in length, provide a valid numeric ePID. |

| | | | |
|-----|------|--|--|
| 103 | ACPE | Missing ePID | ePID is required and was not provided. Provide a valid numeric ePID. |
| 104 | ACPE | Invalid DOB - Must Be Numeric (MMDD) | Date Of Birth is not a 4-digit, numeric value. Provide a valid, numeric, 4-digit Date Of Birth (MMDD). |
| 105 | ACPE | Missing DOB | Date of Birth is required and was not provided. Provide a valid, numeric, 4-digit Date Of Birth (MMDD). |
| 106 | ACPE | Invalid UAN Number | Universal Activity Number (UAN) provided is not in the correct format. Provide a valid UAN. |
| 107 | ACPE | Missing UAN Number | Universal Activity Number (UAN) is required and was not provided. Provide a valid UAN. |
| 108 | ACPE | Invalid Date of Participation (MM/DD/YYYY). Date is in wrong format. | Date of Participation is not in the required format. Provide a valid date of participation in the correct format (MM/DD/YYYY). |
| 109 | ACPE | Missing Date Of Participation (MM/DD/YYYY) | Date of Participation is required and was not provided. Provide a valid Date Of Participation (MM/DD/YYYY). |
| 110 | ACPE | UAN Number Not Found | Universal Activity Number (UAN) provided is not defined at ACPE. Provide a valid UAN. |
| 111 | ACPE | ePID and DOB do not exist on NABP file | The ePID and DOB combination are not on file with NABP. Verify the ePID and DOB combination is correct for participant. |
| 112 | ACPE | Invalid Action Code | Action Code provided was incorrect. Only "I" for insert and "D" for delete are allowed. |
| 113 | ACPE | Missing Action Code | Action Code is required and was not provided. Provide an action code of "I" or "D". |
| 114 | ACPE | Submission date for activity is beyond 60 day submission window. | Activities must be submitted within 60 days of Live Date completion for Live Activities and within 60 days of Expiration Date for Home-based Activities. |
| 115 | ACPE | Date of Participation is invalid for specified UAN. | For Live Activities, the Date of Participation must match the Activity Live Date entered in the Provider Web Tool. For Home Activities, the Date of Participation must between the Release Date and the Expiration Date entered |

| | | | |
|-----|------|--|--|
| | | | into the Provider Web Tool. |
| 116 | ACPE | Participant Count cannot be negative or zero. | For Non-Pharmacist Participants, the participant count must be a positive value. |
| 117 | ACPE | Participant Count must be numeric | For Non-Pharmacist Participants, the participant count must be a positive number. |
| 118 | ACPE | Participant Type must be either D (Doctor), N (Nurse), O (Other), IP (International Pharmacist), IT (International Technician). | For Non-Pharmacist Participants, the participant type must be Doctor, Nurse, Other, Intl Pharmacist, or Intl Pharmacist Technician. |
| 119 | ACPE | Awarding of partial credit not allowed for Provider. | Only Jointly accredited providers are allowed to submit partial credits. |
| 120 | ACPE | Credit awarded exceeds maximum credit allowed for UAN. | Credit awarded must not exceed the maximum credit documented on the activity. |
| 121 | ACPE | Credit awarded must be greater than zero. | Partial credit awarded must be greater than zero. |
| 122 | ACPE | Partial credit may only be granted once per participant for a UAN. Please submit the total partial credit to award as a single submission. | Only one partial credit submission is allowed per learner. The net amount awarded must be submitted. |
| 800 | ACPE | Duplicate Record Submitted | Duplicate record detected. |
| 998 | NABP | Invalid e-Profile ID | The ePID is not on file with NABP. Verify the ePID is correct. |
| 999 | ACPE | Fatal Error | A fatal system error has occurred. |