# PARS Activity XML File Specification

## Contents

**PARS Activity XML File Specification**

# Version History

| Version | Date | Notes |
|---------|------|-------|
| **3.7** | 03/18/2026 | Modified MOC specialties (aka practice areas) for 4 boards:<br><br>ABIM removed two practice areas:<br>1. Sports Medicine<br>2. Hospital Medicine<br><br>ABPath corrected a spelling mistake in practice area:<br>1. GI (incl. Liver, Pancreas, Biliary)<br><br>ABPMR added two additional practice areas:<br>1. All Practice Areas<br>2. Professionalism/Patient Safety/Other Skills<br><br>ABS replaced the verbiage of a practice area:<br>1. Old: Bariatric Surgery<br>2. New: Metabolic and Bariatric Surgery |
| **3.1** | 11/20/2025 | Added ABPMR.<br>Removed watermark. |
| **3.0** | 06/10/2025 | Added clarification for submitting date and time data to the introduction section (and below).<br>Updated:<br>1. StartDateTime<br>2. EndDateTime<br>3. CreditClaimDate<br>Updated reference to "Journal CME/CE" to "Journal-based CE"<br><br>**Guidance on Submitting Date and Time Data**<br>When submitting data for elements that include both date and time, the best practice is to submit only the **date**. |

- **For activity records**: If a time is included, it will be converted from Central Time to UTC. This conversion may shift the date and result in unintended values being stored in the database.

To ensure data accuracy and consistency, please submit **only the date** unless the time is explicitly required.

Examples:

```
&lt;hx:startDateTime&gt;2025-03-17&lt;/hx:startDateTime&gt;
&lt;hx:endDateTime&gt;2025-03-17&lt;/hx:endDateTime&gt;
&lt;ex:CreditClaimDate&gt;2025-03-17&lt;/ex:CreditClaimDate&gt;
```

| | | |
|---|---|---|
| 2.9 | 12/04/2024 | Added "HasStateContentTags" with all of its properties to page 17, in the elements for XtensibleInfo. It was missed with the previous update. |
| 2.8 | 09/10/2024 | Added new Activity V4 schema. This includes:<br>• valid values for AMA PRA Category 1 state content tagging (Opioids)<br>Fixed links to accme.org. |
| 2.8 | 01/2/2024 | ABPath change is now live. Made other formatting updates. |
| 2.7 | 12/05/2023 | Updated document regarding ABPATH name change for credit type *ABPATH Improvement in Medical Practice* to *ABPATH Improvement in Health and Healthcare. This change will be effective at 9am central on January 25, 2024.* |
| 2.6 | 11/15/2023 | Added references for American Board of Thoracic Surgery (ABTS) |
| 2.5 | 07/11/2023 | Added references for American Board of Orthopaedic Surgery (ABOS), including new error message specific to ABOS. |
| 2.4 | 04/10/2023 | Added state abbreviations |
| 2.3 | 03/03/2023 | Removed references to American Board of Ophthalmology, who withdrew from the CME for MOC Collaboration. |
| 2.2 | 01/31/2023 | Updated link to ABA MOCA Content Outline document, excel version. |
| 2.1 | 11/30/2022 | Updated document to reflect updated values for the new PARS v3 XML format; clarified outcome measures value; added Bariatric Surgery for ABS. |
| 2.0 | 11/16/2021 | Updated document to detail the new PARS v3 XML record format. |
| 1.3 | 05/20/2020 | Updated ABPath practice area selections |
| 1.2 | 04/23/2020 | -Allowed uploads listing both ACCME Activity ID and Provider Activity ID to be accepted by PARS<br>-Removed restrictions to allow ABO activities to be registered for both Improvement in Medical Practice and Patient Safety |
| 1.1 | 08/13/2019 | Combined Activity XML File Specifications for registering activities in PARS to include MOC/CC registration for ABIM, ABP, ABA, ABPath, ABOHNS, and ABO into a single document. |

# Introduction

XML stands for eXtensible Markup Language. It is a computer language designed to structure and transmit data over the Internet. The Program and Activity Reporting System (PARS) includes a data upload tool that accepts XML files formatted to conform with the Medical Education Metrics (MEMS) XML standard created by the MedBiquitous Consortium. This tool will enable PARS to collect information in a manner that is consistent with the data communications standards being adopted by medical education content providers. Accredited providers whose CME activity tracking systems can export data to XML files may wish to explore this option for transmitting records to PARS.

The purpose of this document is to describe the ACCME's adaptation of MEMS. These instructions are intended for an audience that is familiar with XML, specifically, the information technology staff who support CME departments. It is beyond the scope of these instructions to describe how to create or edit XML files in general, or how to export data from specific CME tracking systems.

The batch upload function in PARS offers providers the ability to add or update multiple activity records from a single file containing data that has been exported from another tracking system. To successfully upload data, it is critical that providers properly "map" the necessary data from their system into the file format described in this document. Technical understanding of creating XML-formatted files is assumed.

The PARS XML Activity File Specification is an adaptation of the MEMS standard that has been created by the MedBiquitous Consortium. MEMS in turn incorporates another XML specification, the Healthcare Learning Object Model (Healthcare LOM), which is also published by MedBiquitous. Further information on these specifications can be found at https://www.medbiq.org/standards, and it is recommended that implementers review this material in detail.

This document does not define or describe MEMS; rather, it explains how ACCME has extended MEMS and how it will interpret the data fields in a MEMS-conformant data record.

Below is a discussion of several key concepts about the way PARS manages activity records. Understanding these concepts will be helpful throughout your work with the system.

**Program Summary:** The ACCME requires that providers complete an annual Program Summary, which summarizes programmatic income for the year. The Program Summary cannot be completed using batch upload or API functionality and must be manually completed in PARS.

**Maintenance of Certification**: Accredited CME providers have the option to register activities for those certifying boards participating in CME in support of MOC using the PARS XML batch upload process. Activities being registered for MOC must fulfill the requirements for the given board's MOC program. Information about CME in support of MOC, including links to each board's requirements, is available at https://accme.org/data-reporting/maintenance-of-certification/ . Further information about formatting XML activity record to include MOC data can be found in Appendix E.

**Guidance on Submitting Date and Time Data:** When submitting data for elements that include both date and time, best practice is to submit only the **date**.
- **For activity records**: If a time is included, it will be converted from Central Time to UTC. This conversion may shift the date and result in unintended values being stored in the database.

To ensure data accuracy and consistency, please submit **only the date** unless the time is explicitly required.
Examples:

```
&lt;hx:startDateTime&gt;2025-03-17&lt;/hx:startDateTime&gt;
&lt;hx:endDateTime&gt;2025-03-17&lt;/hx:endDateTime&gt;
&lt;ex:CreditClaimDate&gt;2025-03-17&lt;/ex:CreditClaimDate&gt;
```

## Activity XML Changes for v3 PARS

**Adding and Updating activity records:**  In a significant change from previous versions of the API, the v3 PARS activity XML record format includes an element for specifying the activity record transaction. Every record must include "Add", "Update", or "Delete".  PARS will reject records with transactions that conflict with data in the system such as an "Add" for an activity that already exists, or an "Update" or "Delete" for an activity that cannot be matched given the information included in the record.

**Activity record status**:  Another significant change from previous versions of PARS is the use of multiple activity status values.  These statuses are briefly described below.  This document will detail the data required for an activity record to have the "Active" and subsequent statuses.  Note that the "Closed" status is intended to indicate that the activity has been completed and that all information in PARS for it is final. Once an activity record is set to "Closed", PARS will not accept further record transactions for that activity. The "Closed" status requires an explicit indication to be sent to PARS.

> **DRAFT:** A draft activity is generally an activity that is not yet available to learners, or that does not have enough information provided in PARS to be considered active.

> **ACTIVE:** If the end date of the activity is not in the past, and if all required fields have been entered, the activity will have Active status.

> **READY TO CLOSE:** Once the end date of an activity is in the past the activity status changes automatically to Ready to Close status. At this point, if all fields have been entered, you can enter your final total learner counts and provide final details around commercial support and close your activity.

> **CLOSED**: Once all required fields are complete and you have updated your total learner counts, you will actively change the status of your activities to Closed. ***The system does not do this***, since it doesn't know when your learner counts, and other details are final. You will be able to set activities to closed status individually, in bulk manually, or by selecting the applicable activities or via any of the batch or web services methods.

**Activity description:** This field is a required field in the v3 PARS activity XML.

**Credit claim date**: This is a new, required field for activities registered for MOC/CC.

**ReportingYear:** This field has been deprecated and is no longer used.  This change impacts several factors, especially the way that multi-year activities are handled. In legacy PARS a multi-year activity would be reflected as separate activities for each reporting year – each activity would have a unique ACCME activity id, but often with the same provider activity id. With the PARS upgrade, multi-year activities should only have a single activity with a start date and end date that reflect the total duration of the activity (not to exceed 3 years).  As an example – in legacy PARS an enduring material that was offered in 2020, 2021 and 2022 would have 3 separate activity records in PARS – one for each year – with each having

a unique ACCME activity id, but likely having the same provider activity id. The new version of PARS expects one activity record with a start date in 2020 and an end date in 2022. Technical teams should coordinate these changes closely with their business stakeholder(s).

**Reporting Start Date:** The year portion of this date value should be the same as the year of the activity start date.

**Reporting End Date:** The year portion of this date value should be the same as the year of the activity end date.

## Activity XML Changes for v4 PARS

Added 1 new element:

1. HasStateContentTags  Container element for data required for tagging activities offering AMA PRA Category 1 credit.

# XML File Specification Details

This document is a guide for those who wish to upload activities to PARS using XML-formatted data.  This document explains ACCME's usage and customization of the **Medbiquitous MEMS** and **Healthcare LOM** standards and specific ACCME business rules and requirements.

Some key points:

1. ACCME did not change the format or structure of the Medbiquitous MEMS, except for 1) the addition of a new super root element called ACCMEActivities,  2) the ACCME customization of the XtensibleInfo element tocollect data for PARS-specific purposes, and 3) the uniqueElementName attribute is necessary for healthcaremetadata.

2. Any rules specified in the **ACCME Business Rules** column will be validated by PARS during the XML file upload process.  These rules will not be enforced using the Medbiquitous XSD templates.

3. This specification only includes the data elements that will be captured and uploaded by ACCME into PARS.  For complete documentation on all data elements that are supported by the Medbiquitous standard, please refer to the Medbiquitous website https://www.medbiq.org/standards.

4. Any data elements present in the XML file that are not used by ACCME must still conform to the structure and rules specified in the Medbiquitous XSD template.  However, ACCME will not capture and upload this data into PARS.

5. For Boolean types, only lowercase "true" and "false" are accepted as validly formatted.

# PARS Activity XML File Specification

## ACCME Activities

ACCMEActivities is a new super root element for the MedicalEducationMetrics element.  This super root element was created by ACCME to allow more than 1 MedicalEducationMetrics element to be contained within a single XML file.

| Element Name | Description | Min Occurs | Max Occurs | Type | Enumeration | ACCME Business Rules |
|---|---|---|---|---|---|---|
| **ACCMEActivities** | Super root element that contains 1 or more instances of MedicalEducationMetrics. | 1 | 1 | complex | - | - |
| **MedicalEducationMetrics** | Medbiquitous-defined container element for each activity.  ACCME allows more than one to occur within the ACCMEActivities container.<br>Refer to medicalEducationMetrics for sub-elements within this container. | 1 | Unbounded | MedicalEducationMetricstype | - | - |

## MedicalEducationMetrics

ACCME did not change the XSD template for this element.  Any special ACCME data rules will be enforced by the ACCME Program and Activity Reporting System file upload process, not via the XSD template.

| Element Name | Description | ACCME Business Rules |
|---|---|---|
| **MedicalEducationMetrics** | Container element for each activity.  ACCME allows more than one to occur within the ACCMEMedicalEducationMetrics container. | - |
| **ReportDescription** | Container element | - |
| ReportingStartDate | For ACCME, the year portion of this value is expected to coincide with the year of the activity start date. | This value should be aligned with the activity start date  - minimally the year portion of the value should coincide with the year of the activity start date. |
| ReportingEndDate | For ACCME, the year portion of this value is expected to coincide with the year of the activity end date. | This value should be aligned with the activity end date  - minimally the year portion of the value should coincide with the year of the activity end date. |

# PARS Activity XML File Specification

| Element Name | Description | ACCME Business Rules |
|---|---|---|
| **ActivityDescription** | Container element. Refer to ActivityDescription for sub-elements within this container | - |
| **Lom** | Container element. Refer to lom for sub-elements within this container | - |
| **healthcareMetadata** | Container element Healthcare Learning Object Metadata Standard. | - |
| **healthcareEducation** | Container element. Refer to healthcareEducation for sub-elements within this container. | - |
| **PartcipationMetrics** | Container element. Refer to participationMetrics for sub-elements within this container. | - |
| **XtensibleInfo** | Container element that contains ACCME-specific data elements. Refer to XtensibleInfo for sub-elements within this container. | - |

## ActivityDescription

ACCME did not change the XSD template for this element.  Any special ACCME data rules will be enforced by the ACCME Program and Activity Reporting System file upload process, not via the XSD template.

| Element Name | Description | ACCME Business Rules |
|---|---|---|
| **ActivityDescription** | Container element | - |
| **Lom** | Container element. Refer to lom for sub-elements within this container | - |
| commercialSupportAmount | Indicates the amount of commercial support received from a single source. This amount must be a whole number (no decimal values allowed).<br><br>This sub-element has the following attributes:<br>1.   *currency* – Currency of the amount indicated.<br>2.   *supportSource*- Organization that is the source of commercial support. | -ACCME is interested in commercial support amounts in USD currency only.  All other income specified in non-USD currencies will be ignored.<br>-Include a separate instance of this element for each source of monetary commercial support<br>-ACCME expects a USD currency amount >= 0.<br>- See Appendix I for a list of commercial support source names. |

## Lom (Learning Object Model)

ACCME did not change the XSD template for this element.  Any special ACCME data rules will be enforced by PARS file upload process, not via the XSD template.

| Element Name | Description | ACCME Business Rules |
|---|---|---|
| **Lom** | Container element. This element is from the IEEE Learning Object Model (LOM) standard. | - |
| **healthcareMetadata** | Container element Healthcare Learning Object Metadata Standard. | - |
| **general** | Container element. | - |
| **identifier** | Container element. | -ACCME requires at least 2 *identifier* elements per activity.<br>- "Provider Activity ID" must be used when adding a new activity record. "Provider Activity ID" should be an internal identifier that your system assigns to uniquely identify an activity. Either "Provider Activity ID" or "ACCME Activity ID" or both can be used when updating an existing activity record.<br>- "URL" is required for an activity to have the status of "active".<br>- "ACCME Activity ID" is assigned by PARS. It can be included for updating or deleting an existing activity record. |
| Catalog | Type of unique identifier. | - |
| Entry | Unique identifier for the activity. | - If catalog = "ACCME Activity ID", it is assumed that *entry* is unique in the entire system.<br>- If catalog = "Provider Activity ID", it is assumed that *entry* is unique within the provider organization.<br>- If catalog = "URL", the entry should be the full web address for a page with information about the CME activity, or the web page for the accredited CME provider or its parent organization, if the activity does not have an individual URL. The URL value does not need to be unique for each activity record. |
| Title | Name of the learning activity. | - |
| description | Description of the content of the activity. | -Maximum characters allowed is 2,500. This field is required in the v3 PARS XML schema |

| Element Name | Description | ACCME Business Rules |
|---|---|---|
| keyword | Element for collecting the MOCA Content Outline data. For the list of ABA MOCA Content Outline entries, please visit https://accme.org/resource/aba-moca-excel-content-outline-0/ | **This element and corresponding sub-elements are only used when registering an activity for ABA MOCA.**<br><br>-Either one or two Content Outline entries are required for activities registered for MOCA. Each Content Outline selection requires three separate keyword elements in the XML record, one each with the id values "Level 3 ID", "Tag ID", and "Free Text". All three keyword elements must appear for each Content Outline entry. |
| Id | Attribute used to designate the portion of the Content Outline entry included in this keyword. | - "Level 3 ID": the string value for the keyword with this id is the level 3 identifier number for the MOCA Content Outline entry. – "Tag ID": the string value for the keyword with this id is the tag identifier number for the MOCA Content Outline entry. Reporting a tag is optional, but a keyword for "Tag ID" must be included. The string value is left blank if no tag is reported. – "Free Text": the string value for the keyword with this id is the brief text description of the educational content. The string value is left blank if free text is not being reported. |
| Source | Attribute used to indicate the Content Outline selection to which this keyword belongs. | - "01_ABAMCO" for the three keywords associated with the first Content Outline selection.<br>- "02_ABAMCO" for the three keywords associated with a second Content Outline selection. |
| String | Attribute of keyword. | -Values to include for each keyword vary, please see the description of the id attribute above. |

## HealthcareEducation

ACCME did not change the XSD template for this element.  Any special ACCME data rules will be enforced by the ACCME Program and Activity Reporting System file upload process, not via the XSD template.

| Element Name | Description | ACCME Business Rules |
|---|---|---|
| **healthcareEducation** | Contains healthcare specific metadata for educational offerings. | - |
| **credits** | Container element. | - |

| Element Name | Description | ACCME Business Rules |
|---|---|---|
| nonAccreditedProvider | The educational provider for this activity is not the accredited provider. Jointly provided activities have a non-accredited provider.<br>Repeat instances of this element for activities that have multiple joint providers. | -If an activity is jointly provided (has an *activitySponsorship* value of "joint"), include a separate *nonAccreditedProvider* element for each joint provider. |
| activityCertification | Identifies the category of credit awarded for the activity by the accredited medical education organization. | -Use the value "AMA PRA Category 1" for activities that are accredited to offer AMA PRA Category 1 credits for physician learners. |
| numberOfCredits | Number of continuing education credits associated with the activity. | - |
| **activityLocation** | Indicates geographical location where an in-person activity takes place. | - |
| city | Indicates city where in-person activity takes place. | -Check that city is present depending on the *activityFormat* value. |
| Stateorprovince | Indicates state where in-person activity takes place. | -Check that stateorprovince is present depending on the *activityFormat* value.<br>-If *country* is the USA, check that state is a valid two-letter state. |
| Country | Indicates country where in-person activity takes place. | -The country should be a valid 3-letter country code. See Appendix C for a list of country codes. |
| startDateTime | Indicates the date and time an activity begins. | Submit date only.<br>-Click here for instructions on submitting the date and time. |
| endDateTime | Indicates the date and time an activity ends or is no longer available for use by learners. | Submit date only.<br>-Click here for instructions on submitting the date and time. |
| activitySponsorship | Providership. Valid values are "direct" or "joint". | -Definition: A directly provided activity is planned, implemented and evaluated by the accredited provider. Include co-provided activities (provided by two accredited providers) in this category if you are the accredited provider awarding the credit. In contrast, a jointly provided activity is one that is planned, implemented and evaluated by the accredited provider and one or more non-accredited entities. |

| Element Name | Description | ACCME Business Rules |
|---|---|---|
| activityFormat | Indicates the type of learning activity.<br><br>ACCME expects that the activityFormat value used is one of the recognized ACCME activity types. | -*activityFormat* instances where the activity type value is NOT one of the recognized ACCME types will be IGNORED and the entire activity record will NOT be processed by PARS.<br><br>-The system will check for a recognized activity type (see Appendix B):<br><br>Note: not all activity types are eligible for MOC for every board. See each board's requirements for MOC at https://accme.org/data-reporting/maintenance-of-certification/ . |
| commercialSupport | Indicates the existence of commercial support from a manufacturer of a commercial product.<br><br>NOTE: Use the activityDescription:commercialSupportAmount sub-element to specify commercial support source and amount for an activity. | |
| **targetAudience** | Container element for listing the medical practice specialties for which the activity content is relevant. | -The *targetAudience* element and at least one specialty sub-element is required only if the activity is being registered for MOC. |
| Specialty | Name of a specialty for which the activity content is relevant. | ***This element is required for MOC activity registration.***<br><br>The list of valid specialties for MOC registration appears in Appendix F. |

## ParticipationMetrics

ACCME did not change the XSD template for this element.  Any special ACCME data rules will be enforced by the ACCME Program and Activity Reporting System file upload process, not via the XSD template.

| Element Name | Description | ACCME Business Rules |
|---|---|---|
| **participationMetrics** | Container element. | - |
| participantsByCategory | Defines the number of participants by category. The XSD file allows 0 or more participantsByCategory elements.<br><br>This sub-element has the following attributes:<br>1. *category*-Indicates the participant category described. | -System will only capture the first occurrences of this element for the "physician" and "non-physician" categories. The system will ignore all successive occurrences of "physician" and "non-physician" categories.<br><br>-The "physician" category definition: the number of MD's and DO's that participated in the activity. Residents are included in this category.<br><br>-The "non-physician" (now known as "Other Learners") category definition: the number of participants other than MD's or DO's, such as nurses, physician assistants, and other health professionals. Do not include residents in this category.<br><br>-Participant totals >0 may not be reported if the activity start date is in the future. |

## XtensibleInfo

ACCME extended the XtensibleInfo element to include fields for data that ACCME wants to capture but are not part of the Medbiquitous standard.

| Element Name | Description | Min Occurs | Max Occurs | Type | Enumeration/Valid Values | ACCME Business Rules |
|---|---|---|---|---|---|---|
| **XtensibleInfo** | Container element. | 0 | 1 | Container | - | - |
| **CommendationTags** | Container element | 0 | 1 | Container | - | For optional use by CME providers. |

| Element Name | Description | Min Occurs | Max Occurs | Type | Enumeration/Valid Values | ACCME Business Rules |
|---|---|---|---|---|---|---|
| **CommendationTag** | Indicates a commendation criterion for which the provider may choose to use this activity as an example. | 1 | Unbounded | Text | The system will check for a recognized commendation tag types (see Appendix H): | If the *CommendationTags* container is present, at least one *CommendationTag* element is required. |
| **InKindSupports** | Container element for in kind support data. | 0 | 1 | Container | - | - |
| **InKindSupport** | This sub-element has the following attributes: 1.*source* – Source of commercial support. | 1 | unbounded | Boolean | true, false | Include a separate instance for each source of in-kind commercial support. |
| **DeliveryMethods** | Container element for listing DeliveryMethods | 0 | 1 | Container | - | - |
| **DeliveryMethod** | Describes the instructional delivery method for certain types of activities | 1 | 2 | Text | Valid options for Live Course or Regularly Scheduled Series format activities: - In-Person - Live-Streamed  For Enduring Material format activities: - Online - Print/Other | If the *DeliveryMethods* container is present, at least one *DeliveryMethod* element must be included. |
| **MeasuredOutcomes** | Container element for MeasuredOutcome elements | 0 | unbounded | Container | | Include a separate MeasuredOutcomes element for each MeasuredOutcome element |

| Element Name | Description | Min Occurs | Max Occurs | Type | Enumeration/Valid Values | ACCME Business Rules |
|---|---|---|---|---|---|---|
| **MeasuredOutcome** | Describes the intended outcomes for the activity | 1 | 1 | String | Valid options are:<br>- Learner Competence<br>- Learner Performance<br>- Patient Health<br>- Community Health<br>- Learner Knowledge | Include only one MeasuredOutcome per MeasuredOutcomes container.<br><br>When saved, some valid options may be translated to different labels visible within the user interface. Current translations are outlined below:<br>• Community Health ➔ Community /Population Health |
| **MeasurementType** | Describes how the activity outcomes are measured | 0 | 2 | String | Valid options are:<br>- Objective<br>- Subjective | |
| **MOCRegistrations** | Container element for one or more maintenance of certification registrations. | 0 | 1 | Container | - | Optional; not required for activity registration but required for activity to be registered for MOC. |
| MOCRegistration | Container element. | 0 | unbounded | Container | - | One per certifying board. Include one *MOCRegistration* element for each certifying board for which MOC will be offered. |
| boardName | Indicates name of the specialty board for which the MOC is being registered. | 0 | 1 | Text | ABA, ABIM, ABOHNS, ABOS, ABP, ABPATH, ABPMR, ABS, ABTS<br>Refer to Appendix E for a list of boards currently accepting activities registered in PARS. | Must be a board currently accepting activities registered in PARS. |
| mocPoints | Indicates the number of MOC points for which the activity is registered. | 0 | 1 | Decimal | => 0.25 | |

| Element Name | Description | Min Occurs | Max Occurs | Type | Enumeration/Valid Values | ACCME Business Rules |
|---|---|---|---|---|---|---|
| MOCCreditType | Indicates the board MOC categories for which the activity is registered | 0 | Unbounded | String | Varies by certifying board | Business rules for MOC credit types vary by board. Refer to Appendix G for a list of MOC credit types by board. |
| CreditClaimDate | The latest completion date that will be accepted for learner MOC credit submissions for the activity. | 0 | 1 | Date/time | YYYY-MM-DD | Submit date only. Click here for further guidance. |
| ForPublicList | Indicates whether this activity is to be included in the published list of activities made available to physicians on CMEPassport.org. | 0 | 1 | Boolean | true, false | Required. |
| FeeForParticipation | Indicates whether a fee is associated with learner participation in the CME activity. | 0 | 1 | String | Valid options are: Yes No, it's free Variable | Required. |
| ActivityRegistration | Indicates whether the activity is available to all potential learners or if participation is limited (e.g., to staff of the CME provider's institution). | 0 | 1 | String | Valid options are: Open to all Limited | Required. |
| IsMeritBasedIncentivePaymentSystem | Indicates whether the activity qualifies for MIPS | 0 | 1 | Boolean | true, false | Required. |
| REMS | Container element for REMS information | 0 | 1 | Container | | Include only if the activity is designated for instruction on an FDA Risk Evaluation and Mitigation Strategy program. |
| REMSType | Indicates which REMS the activity content addresses | 0 | 1 | String | Valid options are: Opioid Analgesic Mycophenolate | |

| Element Name | Description | Min Occurs | Max Occurs | Type | Enumeration/Valid Values | ACCME Business Rules |
|---|---|---|---|---|---|---|
| REMSRelatedIdentifier | For reporting of special grant identifiers related to this REMS designation | 0 | 1 | String | | Use the RPC ID formatted as EG-######-###. |
| activityRecordAction | The intended transaction type for this activity record. | 1 | 1 | String | Add, Update, Delete | |
| closeActivityRecord | Indicates whether this activity record transaction includes final information about the activity. | 1 | 1 | Boolean | true, false | A value of "true" for this field will preclude further updates to the activity record. Activities must have an end date in the past and all activity information completed for a value of "true" to successfully validate. |
| HasStateContentTags | Indicates whether this activity is associated with state-specific content topics | 0 | 1 | Boolean | true, false | |
| **StateContentTags** | Container element for data required for tagging activities offering AMA PRA Category 1 credit | 0 | 1 | Container | | Optional; not required for activity registration but required for tagging activities offering AMA PRA Category 1 credit. |
| StateContent | Container element for data required for an instance of state content | 0 | unbounded | container | | |
| StateContentDomain | The parent category for the state content information | 1 | 1 | Text | Currently the only valid value is **Opioids** | Required only when the following criteria are met: HasStateContentTags = yes, Required for active status |

# PARS Activity XML File Specification

| Element Name | Description | Min Occurs | Max Occurs | Type | Enumeration/Valid Values | ACCME Business Rules |
|---|---|---|---|---|---|---|
| StateContentTopic | The topic within the domain | 1 | 1 | Text | Valid values can be found in the appendix State Content Tagging Content Areas | Required only when the following criteria are met: HasStateContentTags = yes, Required for active status. The mapping of a topic to a state is maintained within PARS/JA-PARS for the AMA PRA Category 1 credit so there is no specification of state. |

# Appendices

## A: Saving and closing Activities

The table below provides details on the data the PARS System requires for submitting an activity record with "Active" status and for closing an activity record. A closed activity record cannot be edited further. For more complete details on the fields, please refer to the entries in the preceding pages.

| Field Name | Data is Required in Field: | |
|---|---|---|
| | **To save Active record** | **To close out activity record** |
| **ReportingStartDate** | Yes | Yes |
| **ReportingEndDate** | Yes<br><br>*Note: This field is required by the MedicalEducationMetrics specification, but it will not be displayed on the PARS system.* | Yes<br><br>*Note: This field is required by the MedicalEducationMetrics specification, but it will not be displayed on the PARS system.* |
| **identifier** | Yes | Yes |
| **title** | Yes | Yes |
| **startDateTime** | Yes | Yes |
| **endDateTime** | Yes | Yes |
| **city** | Required if the ActivityFormat is one of the following:<br>- Live Course<br>- Regularly Scheduled Series<br>and DeliveryMethod is "In-Person"<br><br>For other ActivityFormats data should not be entered | Required if the ActivityFormat is one of the following:<br>- Live Course<br>- Regularly Scheduled Series<br>and DeliveryMethod is "In-Person"<br><br>For other ActivityFormats data should not be entered |
| **stateorprovince** | Required if country is USA and the ActivityFormat is one of the following:<br>• Live Course<br>• Regularly Scheduled Series<br>and DeliveryMethod is "In-Person"<br><br>For other ActivityFormats data should not be entered | Required if country is USA and the ActivityFormat is one of the following:<br>• Live Course<br>• Regularly Scheduled Series<br>and DeliveryMethod is "In-Person"<br><br>For other ActivityFormats data should not be entered |
| **country** | Required if the ActivityFormat is one of the following:<br>- Live Course<br>- Regularly Scheduled Series<br>and DeliveryMethod is "In-Person"<br><br>For other ActivityFormats data should not be entered | Required if the ActivityFormat is one of the following:<br>- Live Course<br>- Regularly Scheduled Series<br>and DeliveryMethod is "In-Person"<br><br>For other ActivityFormats data should not be entered |
| **activitySponsorship** | Yes | Yes<br><br>*(Note: "sponsorship" is now displayed on the PARS system as "providership")* |
| **activityFormat** | Yes | Yes |
| **participantsByCategory** | No | Yes<br>The system requires data for one category of "physician" and one category of "non-physician" . Zero is an acceptable value for both categories to close.<br>(Note: "non-physician" is now displayed on the PARS system. as "other learners") |

| Field Name | Data is Required in Field: | |
| --- | --- | --- |
| | To save Active record | To close out activity record |
| **commercialSupport** | No | Yes |
| **nonAccreditedProvider** | No | If the activitySponsorship field is "joint", then this field is required. If the activitySponsorship field is "direct" or not entered, then no data should be entered in this field. |
| **credits** | Yes | Yes |
| **description** | Yes | Yes |
| **commercialSupportAmount** | No | If commercialSupport is "Yes", then each commercial support source should have a value entered in this field. If commercialSupport is "No", then no data should be entered in this field. |
| **MeasuredOutcomes** | No | Yes (at least one) |
| **CreditClaimDate** | No (Yes, if the activity is an MOC activity) | No (Yes, if the activity is an MOC activity) |
| **ForPublicList** | No | Yes |
| **FeeForParticipation** | No (Yes, if ForPublicList is set to true) | No (Yes, if ForPublicList is set to true) |
| **ActivityRegistration** | No (Yes, if ForPublicList is set to true) | No (Yes, if ForPublicList is set to true) |
| **IsMeritBasedIncentivePaymentSystem** | No | No |
| **REMS** | No | No (Yes, if the acivity is a REMS activity; For REMS activities, REMSType and REMSRelatedIdentifier fields also required.) |
| **ActivityRecordAction** | Yes | Yes |
| **CloseActivityRecord** | No | Yes (must be "True" to indicate that the activity record submission is intended to close the activity record.) |

## B: ACCME Activity Types and Delivery Method Types

These Activity Types and Delivery Method Categories are valid combinations for use in the activityFormat and DeliveryMethod elements.

| Activity Type | Delivery Method |
|---|---|
| Live Course | In-Person, Live-Streamed |
| Regularly Scheduled Series | In-Person, Live-Streamed |
| Enduring Material | Online, Print/Other |
| Journal-based CE | Not applicable |
| Manuscript Review | Not applicable |
| Test-Item Writing | Not applicable |
| Committee Learning | Not applicable |
| Performance/Quality Improvement | Not applicable |
| Internet Searching and Learning | Not applicable |
| Learning from Teaching | Not applicable |
| Other/Blended Learning | Not applicable |

Activity type formats have been updated. Listed below is a mapping table for use by those using legacy web services.

| Previous PARS Activity Type | New PARS Activity Type | Delivery Method |
|---|---|---|
| Course | Live Course | In-Person |
| Internet Live Course | Live Course | Live Streamed |
| Regularly Scheduled Series | Regularly Scheduled Series | In-Person |
| Enduring Material | Enduring Material | Print/Other |
| Internet Activity Enduring Material | Enduring Material | Online |
| Performance Improvement | Performance/Quality Improvement | N/A |
| Other | Other/Blended Learning | N/A |

## C: List of Country Codes

Below is a list of the 3-letter country codes for the country element.

*Note:  Please see the U.S. Territories / Regions section for information regarding U.S. territory / region processing*

| Country | Code |
|---|---|
| Afghanistan | AFG |
| Åland Islands | ALA |
| Albania | ALB |
| Algeria | DZA |
| American Samoa | ASM |
| Andorra | AND |
| Angola | AGO |
| Anguilla | AIA |
| Antarctica | ATA |
| Antigua and Barbuda | ATG |
| Argentina | ARG |
| Armenia | ARM |
| Aruba | ABW |
| Australia | AUS |
| Austria | AUT |
| Azerbaijan | AZE |
| Bahamas | BHS |
| Bahrain | BHR |
| Bangladesh | BGD |
| Barbados | BRB |
| Belarus | BLR |
| Belgium | BEL |
| Belize | BLZ |
| Benin | BEN |
| Bermuda | BMU |
| Bhutan | BTN |
| Bolivia (Plurinational State of) | BOL |
| Bonaire, Sint Eustatius, and Saba | BES |
| Bosnia and Herzegovina | BIH |
| Botswana | BWA |
| Bouvet Island | BVT |
| Brazil | BRA |
| British Indian Ocean Territory | IOT |
| British Virgin Islands | VGB |
| Brunei Darussalam | BRN |
| Bulgaria | BGR |
| Burkina Faso | BFA |
| Burundi | BDI |
| Cabo Verde | CPV |
| Cambodia | KHM |
| Cameroon | CMR |
| Canada | CAN |
| Cayman Islands | CYM |
| Central African Republic | CAF |
| Chad | TCD |
| Chile | CHL |
| China | CHN |

| Country | Code |
|---|---|
| China, Hong Kong Special Administrative Region | HKG |
| China, Macao Special Administrative Region | MAC |
| Christmas Island | CXR |
| Cocos (Keeling) Islands | CCK |
| Colombia | COL |
| Comoros | COM |
| Congo | COG |
| Cook Islands | COK |
| Costa Rica | CRI |
| Côte d'Ivoire | CIV |
| Croatia | HRV |
| Cuba | CUB |
| Curaçao | CUW |
| Cyprus | CYP |
| Czechia | CZE |
| Democratic People's Republic of Korea | PRK |
| Democratic Republic of the Congo | COD |
| Denmark | DNK |
| Djibouti | DJI |
| Dominica | DMA |
| Dominican Republic | DOM |
| Ecuador | ECU |
| Egypt | EGY |
| El Salvador | SLV |
| Equatorial Guinea | GNQ |
| Eritrea | ERI |
| Estonia | EST |
| Eswatini | SWZ |
| Ethiopia | ETH |
| Falkland Islands (Malvinas) | FLK |
| Faroe Islands | FRO |
| Fiji | FJI |
| Finland | FIN |
| France | FRA |
| French Guiana | GUF |
| French Polynesia | PYF |
| French Southern Territories | ATF |
| Gabon | GAB |
| Gambia | GMB |
| Georgia | GEO |
| Germany | DEU |
| Ghana | GHA |
| Gibraltar | GIB |
| Greece | GRC |
| Greenland | GRL |
| Grenada | GRD |
| Guadeloupe | GLP |

| Country | Code | | Country | Code |
|---|---|---|---|---|
| Guam | GUM | | Montenegro | MNE |
| Guatemala | GTM | | Montserrat | MSR |
| Guernsey | GGY | | Morocco | MAR |
| Guinea | GIN | | Mozambique | MOZ |
| Guinea-Bissau | GNB | | Myanmar | MMR |
| Guyana | GUY | | Namibia | NAM |
| Haiti | HTI | | Nauru | NRU |
| Heard Island and McDonald Islands | HMD | | Nepal | NPL |
| Holy See | VAT | | Netherlands | NLD |
| Honduras | HND | | New Caledonia | NCL |
| Hungary | HUN | | New Zealand | NZL |
| Iceland | ISL | | Nicaragua | NIC |
| India | IND | | Niger | NER |
| Indonesia | IDN | | Nigeria | NGA |
| Iran (Islamic Republic of) | IRN | | Niue | NIU |
| Iraq | IRQ | | Norfolk Island | NFK |
| Ireland | IRL | | North Macedonia | MKD |
| Isle of Man | IMN | | Northern Mariana Islands | MNP |
| Israel | ISR | | Norway | NOR |
| Italy | ITA | | Oman | OMN |
| Jamaica | JAM | | Pakistan | PAK |
| Japan | JPN | | Palau | PLW |
| Jersey | JEY | | Panama | PAN |
| Jordan | JOR | | Papua New Guinea | PNG |
| Kazakhstan | KAZ | | Paraguay | PRY |
| Kenya | KEN | | Peru | PER |
| Kiribati | KIR | | Philippines | PHL |
| Kuwait | KWT | | Pitcairn | PCN |
| Kyrgyzstan | KGZ | | Poland | POL |
| Lao People's Democratic Republic | LAO | | Portugal | PRT |
| Latvia | LVA | | Puerto Rico | PRI |
| Lebanon | LBN | | Qatar | QAT |
| Lesotho | LSO | | Republic of Korea | KOR |
| Liberia | LBR | | Republic of Moldova | MDA |
| Libya | LBY | | Réunion | REU |
| Liechtenstein | LIE | | Romania | ROU |
| Lithuania | LTU | | Russian Federation | RUS |
| Luxembourg | LUX | | Rwanda | RWA |
| Madagascar | MDG | | Saint Barthélemy | BLM |
| Malawi | MWI | | Saint Helena | SHN |
| Malaysia | MYS | | Saint Kitts and Nevis | KNA |
| Maldives | MDV | | Saint Lucia | LCA |
| Mali | MLI | | Saint Martin (French Part) | MAF |
| Malta | MLT | | Saint Pierre and Miquelon | SPM |
| Marshall Islands | MHL | | Saint Vincent and the Grenadines | VCT |
| Martinique | MTQ | | Samoa | WSM |
| Mauritania | MRT | | San Marino | SMR |
| Mauritius | MUS | | Sao Tome and Principe | STP |
| Mayotte | MYT | | Saudi Arabia | SAU |
| Mexico | MEX | | Senegal | SEN |
| Micronesia (Federated States of) | FSM | | Serbia | SRB |
| Monaco | MCO | | Seychelles | SYC |
| Mongolia | MNG | | Sierra Leone | SLE |

| Country | Code | Country | Code |
|---|---|---|---|
| Singapore | SGP | Tunisia | TUN |
| Sint Maarten (Dutch part) | SXM | Turkey | TUR |
| Slovakia | SVK | Turkmenistan | TKM |
| Slovenia | SVN | Turks and Caicos Islands | TCA |
| Solomon Islands | SLB | Tuvalu | TUV |
| Somalia | SOM | Uganda | UGA |
| South Africa | ZAF | Ukraine | UKR |
| South Georgia and the South Sandwich Islands | SGS | United Arab Emirates | ARE |
| South Sudan | SSD | United Kingdom of Great Britain and Northern Ireland | GBR |
| Spain | ESP | United Republic of Tanzania | TZA |
| Sri Lanka | LKA | United States Minor Outlying Islands | UMI |
| State of Palestine | PSE | United States of America | USA |
| Sudan | SDN | United States Virgin Islands | VIR |
| Suriname | SUR | Uruguay | URY |
| Svalbard and Jan Mayen Islands | SJM | Uzbekistan | UZB |
| Sweden | SWE | Vanuatu | VUT |
| Switzerland | CHE | Venezuela (Bolivarian Republic of) | VEN |
| Syrian Arab Republic | SYR | Viet Nam | VNM |
| Tajikistan | TJK | Wallis and Futuna Islands | WLF |
| Thailand | THA | Western Sahara | ESH |
| Timor-Leste | TLS | Yemen | YEM |
| Togo | TGO | Zambia | ZMB |
| Tokelau | TKL | Zimbabwe | ZWE |
| Tonga | TON | | |
| Trinidad and Tobago | TTO | | |

Source: United Nations, October 15, 2021 list. https://unstats.un.org/unsd/methodology/m49/

## U.S. Territories / Regions:

For the following U.S. territories/regions, the country code of USA within the country element should be used along with the applicable U.S. State abbreviation within the stateorprovince element.

| Country | Country Code | U.S State Abbreviation |
|---|---|---|
| American Samoa | USA | AS |
| Federated States of Micronesia | USA | FM |
| Guam | USA | GU |
| Marshall Islands | USA | MH |
| Northern Mariana Islands | USA | MP |
| Puerto Rico | USA | PR |
| Palau | USA | PW |
| U.S. Virgin Islands | USA | VI |

## D: State Abbreviations

Below is a list of U.S. State abbreviations for use within the stateorprovince element.

| StateName | StateAbbreviation |
|---|---|
| Alaska | AK |
| Alabama | AL |
| Armed Forces Pacific | AP |
| Arkansas | AR |
| American Samoa | AS |
| Arizona | AZ |
| California | CA |
| Colorado | CO |
| Connecticut | CT |
| District of Columbia | DC |
| Delaware | DE |
| Florida | FL |
| Federated States of Micronesia | FM |
| Georgia | GA |
| Guam | GU |
| Hawaii | HI |
| Iowa | IA |
| Idaho | ID |
| Illinois | IL |
| Indiana | IN |
| Kansas | KS |
| Kentucky | KY |
| Louisiana | LA |
| Massachusetts | MA |
| Maryland | MD |
| Maine | ME |
| Marshall Islands | MH |
| Michigan | MI |
| Minnesota | MN |
| Missouri | MO |
| Northern Mariana Islands | MP |
| Mississippi | MS |
| Montana | MT |
| North Carolina | NC |
| North Dakota | ND |
| Nebraska | NE |
| New Hampshire | NH |

| StateName | StateAbbreviation |
|---|---|
| New Jersey | NJ |
| New Mexico | NM |
| Nevada | NV |
| New York | NY |
| Ohio | OH |
| Oklahoma | OK |
| Oregon | OR |
| Pennsylvania | PA |
| Puerto Rico | PR |
| Rhode Island | RI |
| South Carolina | SC |
| South Dakota | SD |
| Tennessee | TN |
| Texas | TX |
| Utah | UT |
| Virginia | VA |
| Virgin Islands | VI |
| Vermont | VT |
| Washington | WA |
| Wisconsin | WI |
| West Virginia | WV |
| Wyoming | WY |

## E: Registering an Activity for Maintenance of Certification (MOC)/Continuing Certification (CC)

Accredited CME providers can register activities for a participating board's Maintenance of Certification (MOC)/Continuing Certification (CC) program using the PARS XML batch upload process, if they meet the requirements outlined in the board's program guide. Complete information about CME for MOC and links to each board's program guide is accessible through the ACCME website.

Registering an activity for MOC is optional for the provider. If an activity is not being registered for MOC, then the MOC fields cannot be included in the activity record.

Some activity types cannot be registered for specific boards. Acceptable activity types are listed in each board's program guide is accessible through the ACCME website.

The fields below must be present in the XML for each activity that is being registered for MOC.
   a. LOM
      i. **identifier**: an additional identifier element of container type "URL" is required for reporting an activity URL.
      ii. **Keyword** element and corresponding sub-elements are required only when registering an activtity for ABA.
   b. Healthcare Education
      i. **targetAudience** must contain at least one "specialty" element
      ii. **endDateTime** is required

c. Extensible Information
    i. **CreditClaimDate** is required
    ii. **MOCRegistrations** must contain at least one "MOCRegistration" element
    iii. **MOCRegistration** must contain:
        1. **specialtyBoard** with the name of a valid specialty board (valid specialty boards are ABA, ABIM, ABOHNS, ABOS, ABP, ABPATH, ABPMR, ABS, ABTS)
        2. **mocPoints** with several at least 0.25 representing the number of MOC points.
        3. At least one MOCCreditType with the value of valid credit type for the specialty board (listed in Appendix G).
    iv. **FeeForParticipation** must be included
    v. **ActivityRegistration** must be included

## F: MOC specialties by board

**American Board of Internal Medicine (ABIM) list of specialties**

These values are used in the specialty sub-element when reporting activities registered for ABIM MOC.

| Specialty |
| --- |
| Adolescent Medicine |
| Adult Congenital Heart Disease |
| Advanced Heart Failure and Transplant Cardiology |
| Cardiovascular Disease |
| Clinical Cardiac Electrophysiology |
| Critical Care Medicine |
| Endocrinology, Diabetes, and Metabolism |
| Gastroenterology |
| Geriatric Medicine |
| Hematology |
| Hospice and Palliative Medicine |
| Infectious Disease |
| Internal Medicine |
| Interventional Cardiology |
| Medical Oncology |
| Nephrology |
| Neurocritical Care |
| Pulmonary Disease |
| Rheumatology |
| Sleep Medicine |
| Transplant Hepatology |

**American Board of Anesthesiology (ABA) list of practice areas**

These values are used in the specialty sub-element when reporting activities registered for ABA MOCA.

| Specialty |
| --- |
| Ambulatory/Outpatient |
| Cardiac Anesthesia |
| Critical Care Medicine |
| General Operative Anesthesia |
| Hospice and Palliative Medicine |
| Neuro Anesthesia |
| Neurocritical Care |
| Obstetric Anesthesia |
| Pain Medicine |
| Pediatric Anesthesia |
| Regional Anesthesia/Acute Pain |
| Sleep Medicine |
| Thoracic Anesthesia |
| Trauma |

**American Board of Otolaryngology-Head & Neck Surgery (ABOHNS) list of practice areas**

These values are used in the specialty sub-element when reporting activities registered for ABOHNS MOC

| Practice Areas |
| --- |
| Allergy |
| Facial Plastic & Reconstructive Surgery |
| Head & Neck |
| Laryngology |
| Otology |
| Neurotology |
| Pediatric Otolaryngology |
| Rhinology |
| Sleep Medicine |
| General Otolaryngology |

## American Board of Orthopaedic Surgery (ABOS) list of practice areas

These values are used in the specialty sub-element when reporting activities registered for ABOS MOC

| Practice Areas |
| --- |
| Adult Reconstruction |
| Foot and Ankle |
| General Orthopaedics |
| Musculoskeletal Oncology |
| Orthopaedic Sports Medicine |
| Orthopaedic Trauma |
| Pediatric Orthopaedic Surgery |
| Shoulder and Elbow |
| Surgery of the Hand |
| Surgery of the Spine |

## American Board of Pediatrics (ABP) list of practice areas

These values are used in the specialty sub-element when reporting activities registered for ABP MOC.

| Specialty |
| --- |
| Adolescent Medicine |
| Child Abuse Pediatrics |
| Clinical Informatics |
| Developmental-Behavioral Pediatrics |
| General Pediatrics |
| Hospice & Palliative Medicine |
| Hospital Medicine |
| Medical Toxicology |
| Neonatal-Perinatal Medicine |
| Neurodevelopmental Disabilities |
| Pediatric Cardiology |
| Pediatric Critical Care Medicine |
| Pediatric Emergency Medicine |
| Pediatric Endocrinology |
| Pediatric Gastroenterology |
| Pediatric Hematology-Oncology |
| Pediatric Infectious Diseases |
| Pediatric Nephrology |
| Pediatric Neurology |
| Pediatric Pulmonology |
| Pediatric Rheumatology |
| Pediatric Transplant Hepatology |
| Professionalism/Patient Safety/Other Skills |
| Sleep Medicine |
| Sports Medicine |

## American Board of Pathology (ABPath) list of practice areas

These values are used in the specialty sub-element when reporting activities registered for ABPath CC

| Practice Areas |
| --- |
| All Practice Areas (e.g. ethics) |
| Blood Bank/ Transfusion Medicine |
| Breast |
| Cardiovascular |
| Chemical Pathology |
| Clinical Pathology |
| Cytopathology |
| Dermatopathology |
| Endocrine |
| Female Reproductive |
| Forensic Pathology |
| GI (incl. Liver, Pancreas, Biliary) |
| Head & Neck/ Oral |

| Practice Areas |
| --- |
| Hematology (Blood, BM) |
| Hematopathology (LN, Spleen) |
| Hemostasis & Thrombosis/Coagulation |
| Infectious Diseases/ Medical Microbiology |
| Lab Management |
| Male Genital |
| Medical Director |
| Molecular Genetic Pathology |
| Neuropathology (incl. Neuromuscular) |
| Other |
| Patient Safety |
| Pediatric Pathology |
| Placenta |
| Pulmonary, Mediastinum |
| Renal/Medical Renal |
| Soft Tissue & Bone |
| Surgical Pathology |
| Transplant Pathology |
| Urinary Tract |

## American Board of Physical Medicine and Rehabilitation (ABPMR) list of practice areas

These values are used in the specialty sub-element when reporting activities registered for ABPMR CC

| Practice Areas |
| --- |
| All Practice Areas |
| Central Nervous System Rehabilitation |
| Stroke |
| Sports Medicine |
| Neuromuscular Medicine/Electrodiagnosis |
| Cardiopulmonary |
| Polytrauma |
| Myopathies |
| Acute/Chronic Trauma |
| Central Nervous System Rehabilitation |
| Stroke |
| Sports Medicine |
| Neuromuscular Medicine/Electrodiagnosis |
| Cardiopulmonary |
| Polytrauma |
| Myopathies |
| Brain Injury |
| Musculoskeletal & Pain Medicine |
| Pediatric Rehabilitation Medicine |
| Electrodiagnostic Studies |
| Amputation/Wounds |
| Geriatric Disorders |
| Motor Neuron Disease |
| Fractures |
| Spinal Cord Injury |
| Spinal Disorders |
| Medical Rehabilitation |
| Neuropathies |
| Cancer |
| Transplant |
| Arthritis |
| Professionalism/Patient Safety/Other Skills |

## American Board of Surgery (ABS) list of practice areas

These values are used in the specialty sub-element when reporting activities registered for ABS CC

| Practice Areas |
| --- |
| Metabolic and Bariatric Surgery |
| Complex General Surgical Oncology |
| Hand Surgery |
| Hospice & Palliative Medicine |
| Pediatric Surgery |
| Neurocritical Care |
| Surgical Critical Care |
| Vascular Surgery |
| General Surgery |

## American Board of Thoracic Surgery (ABTS) list of practice areas

These values are used in the specialty sub-element when reporting activities registered for ABTS CC

| Practice Areas |
| --- |
| Adult Cardiac |
| General Thoracic |
| Cardiothoracic |
| Congenital Cardiac |
| Critical Care |
| Cardiovascular |
| Non-Thoracic Surgery |

## G: Credit types for MOC registration

Each board participating in CME in support of MOC has defined one or more credit types specific to the MOC program. The requirements for each of these types can be found in the board's program guide, which is accessible through the ACCME website. These types can be indicated in the XML XtensibleInfo element *MOCCreditType.* MOC registration for each board requires at least one element indicating the appropriate credit type. The corresponding credit types are indicated below.

| Board Name | MOC Credit Type | Additional Business Rules |
|---|---|---|
| American Board of Anesthesiology | Lifelong Learning | |
| | Patient Safety | Patient Safety can only be submitted in combination with another credit type |
| American Board of Internal Medicine | Medical Knowledge | |
| | Practice Assessment | |
| | Patient Safety | Patient Safety can only be submitted in combination with another credit type |
| American Board of Otolaryngology – Head and Neck Surgery | Self-Assessment | |
| | Improvement in Medical Practice | |
| | Patient Safety | Patient Safety can only be submitted in combination with another credit type |
| American Board of Orthopaedic Surgery | Accredited CME | Accredited CME is required for ABOS MOC registration |
| | Pre-Approved Self-Assessment Examination | ABOS must have pre-approved the activity for Self-Assessment Examination credit or registration will be rejected. |
| American Board of Pediatrics | Lifelong Learning and Self-Assessment | |
| American Board of Pathology | Lifelong Learning | All ABPath MOC activities must at minimum meet the requirements of Lifelong Learning. Lifelong Learning is required for ABPath MOC registration. |
| | Improvement in Health and Healthcare | |
| American Board of Physical Medicine and Rehabilitation | Accredited CME | All ABPMR CC activities must at minimum meet the requirements of Accredited CME. Accredited CME is required for ABPMR CC registration. |
| | Self-Assessment | Self-Assessment can only be submitted in combination with another credit type. |
| | Improving Health and Health Care | Improving Health and Health Care can only be submitted in combination with another credit type. |
| | Patient Safety | Patient Safety can only be submitted in combination with another credit type. |
| American Board of Surgery | Accredited CME | All ABS CC activities must at minimum meet the requirements of Accredited CME. Accredited CME is required for ABS CC registration. |

| Board Name | MOC Credit Type | Additional Business Rules |
|---|---|---|
| | Self-Assessment | |
| American Board of Thoracic Surgery | Accredited CME | All ABTS CC activities must at minimum meet the requirements of Accredited CME. Accredited CME is required for ABTS CC registration. |
| | Self-Assessment | Self-Assessment can only be submitted in combination with another credit type. |
| | Performance in Practice | Performance in Practice can only be submitted in combination with another credit type. |
| | Patient Safety | Patient Safety can only be submitted in combination with another credit type. |

## H: Commendation Criteria

Tags are made available to assist in tracking activities that demonstrate the critical elements of one or more commendation criteria.  Please note, tagging an activity does not guarantee a finding of compliance.

| Commendation Criteria |
|---|
| Engages Teams |
| Engages Patients/Public |
| Engages Students |
| Advances Data Use |
| Addresses Population Health |
| Collaborates Effectively |
| Optimizes Communication Skills |
| Optimizes Technical/Procedural Skills |
| Creates Individualized Learning Plans |
| Utilizes Support Strategies |
| Improves Performance |
| Improves Healthcare Quality |
| Improves Patient/Community Health |

## I: Commercial Supporter Source List

If the source of commercial support appears in the following list, use the name as formatted below for reporting in PARS. If the source of commercial support does not appear in the following list, then enter the formally recognized name of the organization.

| | |
|---|---|
| 3M Health Care | Acorn Cardiovascular Inc. |
| Abbott (Any division) | Actelion Pharmaceuticals |
| Abbott Laboratories | Active Implants Corporation |
| AbbVie (Any division) | Addition Technology Inc. |
| AbioMed | Adept-Med International Inc. |
| ABIOMED, Inc. | Aderans Research Institute |
| Ablation Frontiers, Inc. | Advanced BioHealing, Inc. |
| Accuray Inc. | Advanced Medical Optics, Inc. |
| AccuVein, LLC | AGA Medical Corporation |

| | |
|---|---|
| Agion Technologies | BioMedical Life Systems, Inc. |
| Alcon (Any division) | bioMerieux, Inc. |
| Alexion Pharmaceuticals | Biomerix Corporation |
| Allegro Diagnostics, Inc. | Biomet, Inc. |
| Allergan (Any division) | BioMimetic Therapeutics, Inc. |
| Alliance Home Healthcare | Bio-Rad Laboratories |
| Alphatec Spine, Inc. | Biosense Webster, Inc. |
| Alure Medical Inc. | BioSurface Engineering Technologies, Inc. |
| Amarin Pharmaceuticals, Inc. | BIOTRONIK, Inc. |
| American Medical Systems | Boehringer Ingelheim Pharmaceuticals, Inc. |
| Amgen, Inc. | Boston Scientific Corporation |
| Amylin Pharmaceuticals, Inc. | Bracco Diagnostics, Inc. |
| Andersen Products, Inc. | Bristol-Myers Squibb Company |
| Aperio Technologies, Inc. | Bristol-Myers Squibb Company Worldwide Medicines Group |
| Aplicare Inc. | Broncus Technologies Inc. |
| Arbor Pharmaceuticals | BTG International, Inc. |
| ARC Specialty Products, Balchem Corp. | C. R. Bard, Inc. |
| Arobella Medical, LLC | Calgary Scientific Inc. |
| Arthrex | Calibra Medical, Inc. |
| Artificial Muscle, Inc. | Cardinal Health |
| Astellas (Any division) | CardioFocus, Inc. |
| Asthmatx, Inc. | CardioMag Imaging, Inc. |
| AstraZeneca (Any division) | CardioMEMS, Inc. |
| Atos Medical Inc. | CaridianBCT, Inc. |
| Atrium Medical Corporation | Cayenne Medical Inc. |
| ATS Medical, Inc. | CEA Global, Inc. |
| Autonomic Technologies, Inc. | Celera |
| Auxilium Pharmaceuticals | Celgene Corporation |
| AxoGen, Inc. | Celleration, Inc. |
| B. Braun Medical, Inc. | Cepheid |
| Bard Peripheral Vascular, Inc. | Chesson Labs |
| Bausch & Lomb (Any division) | Chiesi |
| Baxano, Inc. | Choice Medical, Inc. |
| Baxter International, Inc. | Cleveland Medical Devices |
| Bayer (Any division) | Clovis Oncology |
| Bayer HealthCare, Diabetes Care | Coeur Incorporated |
| BD | Cohera Medical, Inc. |
| Beckman Coulter, Inc. | ConforMIS, Inc. |
| Berlin Heart Inc. | ConMed |
| BioControl Ltd. | Consensus Orthopedics Inc. |
| BioCure, Inc. | ConvaTec Inc. |
| Biogen | Cook Medical, Inc. |
| BioMarker Strategies, LLC | CooperSurgical, Inc. |

| | |
|---|---|
| CoreValve Inc. | Focus Diagnostics, Inc. Healthcare Diagnostics Group |
| Corin USA | Forest (Any division) |
| Covalon Technologies, Ltd. | Fujifilm (Any division) |
| Covidien | Galderma (Any division) |
| Crescendo Bioscience | Galil Medical |
| CriTech Research, Inc. | Gambro Renal Products, Inc. |
| CSL Behring, LLC | GE Healthcare |
| Cubist Pharmaceuticals, Inc. | GeneEX Incorporation |
| CUREMARK | Genentech (Any division) |
| CVRx, Inc. | Genomic Health, Inc. |
| Cyberonics, Inc. | Genzyme (Any division) |
| Cytomedix, Inc. | Genzyme Corporation |
| Cytori Therapeutics, Inc. | GI Dynamics, Inc. |
| Daiichi Sankyo, Inc. | Gilead Sciences, Inc. |
| DEKA Research & Development Corporation | Given Imaging |
| Deltex Medical, Inc. | GlaxoSmithKline |
| DePuy (Any division) | Globus Medical, Inc. |
| Digirad Corporation | Grace Medical, Inc. |
| Disc Dynamics, Inc. | Greatbatch, Inc. |
| Discovery Laboratories, Inc. | Greer Laboratories, Inc. |
| DJO Incorporated | Grifols |
| EarlyDETECT Inc. | Hansen Medical, Inc. |
| Edwards Lifesciences Corporation | Hard Manufacturing Company, Inc. |
| EGI | Harmac Medical Products, Inc. |
| Eisai, Inc. | Healthpoint, Ltd. |
| Electro-Optical Sciences, Inc. | Heartscape Technologies Inc. |
| EMD Serono | Heidelberg Engineering, Inc. |
| Endo Pharmaceuticals, Inc. | Helicos BioSciences Corporation |
| Endocare Inc. | HemCon Medical Technologies, Inc. |
| Eng3 Corporation | Heraeus Medical GmbH |
| Entellus Medical, Inc. | Hill-Rom Company, Inc. |
| EnteroMedics Inc. | Hitachi (Any division) |
| Etex Corporation | Hoffmann-La Roche Inc. |
| Ethicon (Any division) | Hollister Incorporated |
| EVAHEART MEDICAL USA, INC. | Hologic, Inc. |
| Evalve, Inc. | Hospira, Inc. |
| EXACT Sciences Corporation | Hutchinson Technology Inc. BioMeasurement Division |
| Exelixis | Hygeia II Medical Group Inc. |
| EyeIC, Inc. | IDev Technologies, Inc. |
| febit | Imalux Corporation |
| Fenwal Inc. | Immucor, Inc. |
| Fisher & Paykel Healthcare | Incyte Corporation |
| FMC BioPolymer | |

| | |
|---|---|
| InfraReDx, Inc. | MedVenture Technology Corporation |
| Inset Technologies Incorporated | Merck (Any division) |
| InSightec Inc. | Merck Human Health Division - U.S. Human Health |
| Instrumentation Laboratory | Merck Research Laboratories |
| Integra LifeSciences Corporation | Merck Vaccine Division |
| Intel Corporation | Merz (Any division) |
| IntelligentMD | Micell Technologies, Inc. |
| Interface Biologics, Inc. | Micronics, Inc. |
| Intralink-Spine LLC | MicroPhage, Incorporated |
| Ipsen | MicroTransponder Inc. |
| IRIS International, Inc. | Micrus Endovascular Corporation |
| ISTO Technologies, Inc. | Millennium Pharmaceuticals, Inc. |
| J.R. Medical, Inc. | Milliken & Company |
| Janssen (Any division) | Mindray |
| Jazz Pharmaceuticals, Inc. | Minnesota Medical Development, Inc. |
| Johnson & Johnson | MinSURG Corporation |
| K2M, Inc. | mtm laboratories AG |
| Kadmon Pharmaceuticals | Mylan (Any division) |
| Kaneka Pharma America LLC | Myriad (Any division) |
| Karl Storz Endoscopy | NanoVasco, Inc. |
| Kensey Nash Corporation | Navilyst Medical |
| KFx Medical Inc. | nContact Surgical |
| Kinetic Concepts, Inc. | NDI Medical |
| Kowa Pharmaceuticals | NeoMatrix |
| KRONUS, Inc. | NeoVista, Inc. |
| Lansinoh Laboratories | Nerites Corporation |
| Lexicor Medical Technology, LLC | Nestle (Any division) |
| Life Instrument Corporation | NeuroPace, Inc. |
| LifeSync Corporation | Newport Medical Instruments, Inc. |
| Lilly (Any division) | Nexus6 Ltd |
| Lundbeck, Inc. | Nitric BioTherapeutics Inc. |
| M2S, Inc. | Novartis Corporation Pharmaceuticals |
| MagForce Nanotechnologies AG | Novartis Vaccines & Diagnostics, Inc. |
| Mallinckrodt Pharmaceuticals | Novasys Medical, Inc. |
| Masimo (Any division) | NovaVision, Inc. |
| Maverick Biosciences Pty Ltd | Novo Nordisk (Any division) |
| McKesson (Any division) | Novocure |
| Mead Johnson Nutrition Company | NPS Pharmaceuticals, Inc. |
| Meda Pharmaceuticals, Inc. | NuMED Inc |
| Mederi Therapeutics, Inc. | NuVasive |
| Medicsight, PLC | OHK Medical Devices, Inc. |
| Mediplus Ltd | Olympus Corporation |
| Medtronic (Any division) | Oncoscope, Inc. |

| | |
|---|---|
| One Word dmg | Regeneron Pharmaceuticals, Inc. |
| Onyx Pharmaceuticals, Inc. | REMS Program Companies (RPC) |
| OPHTEC USA, Inc. | Robodoc Division of Curexo Technology Corp. |
| OptiMedica Corporation | Roche (Any division) |
| Orla Protein Technologies Ltd | RoundTable Healthcare Partners |
| OrthAlign, Inc. | RTI Biologics, Inc. |
| Orthofix Inc. | Sakura Finetek U.S.A., Inc. |
| OrthoPediatrics, LLC | Salient Surgical Technologies, Inc. |
| Orthovita Inc. | Salix Pharmaceuticals, Inc. |
| Osmetech Molecular Diagnostics | sanofi pasteur |
| Otsuka America Pharmaceutical, Inc. | Sanofi S.A. |
| Otsuka America Pharmaceutical, Inc. (OAPI) | sanofi-aventis U.S. |
| Otsuka America, Inc. (OAI) | Schering-Plough Corporation |
| Otsuka Maryland Medicinal Laboratories (OMML) | Scient'X USA, Inc. |
| Otsuka Pharmaceutical Development & Commercialization, Inc. (OPDC) | Seattle Genetics |
| Pacira Pharmaceuticals, Inc. | Semprus BioSciences* |
| Paracor Medical | Seno Medical Instruments Inc. |
| Paradigm Spine, LLC | Sensors for Medicine and Science, Inc. |
| ParagonDX, LLC | Shire Pharmaceuticals |
| Pathfinder Therapeutics, Inc. | Shumsky Therapeutic Pillows |
| PathoLase, Inc. | Siemans (Any division) |
| Pathwork Diagnostics, Inc. | Sigma-Tau Pharmaceuticals, Inc. |
| PEAK Surgical, Inc. | Silere Medical Technology Inc. |
| Pega Medical Inc. | Silk Road Medical |
| Percutaneous Systems, Inc. | Sleep Solutions, Inc. |
| Pfizer (Any division) | Smith & Nephew (Any division) |
| Philips (Any division) | SonoSite |
| PhotoThera | Sorin S.p.A. |
| pico-tesla Magnetic Therapies, LLC | Spectrum (Any division) |
| PolyRemedy, Inc. | Spinal Restoration, Inc. |
| Porex Corporation | Spiration Inc. |
| Prescient Medical, Inc. | St. Jude Medical, Inc. |
| Prizm Medical, Inc. | STERIS Corporation |
| PrognostiX, Inc. | Strata LLC |
| Prolacta Bioscience, Inc. | Straumann USA LLC |
| Prometheus Laboratories, Inc. | Stryker (Any division) |
| ProRhythm, Inc. | Sunovion Pharmaceuticals, Inc. |
| Proteogenix, Inc. | superDimension, Inc. |
| Proteus Biomedical | Symbios Medical Products, LLC |
| Purdue Pharma, LP | SyntheMed, Inc. |
| Qiagen Sciences | Sysmex America, Inc. |
| Questcor Pharmaceuticals, Inc. | T2 Biosystems, Inc. |
| ReGen Biologics, Inc. | Taiho Pharmaceutical |

| | | | |
|---|---|---|---|
| Takeda Pharmaceuticals (Any division) | | Varian Medical Systems, Inc. | |
| Teleflex Medical | | VeraLight, Inc. | |
| Terumo (Any division) | | Vertex Pharmaceuticals | |
| Tesaro | | Viacor, Inc. | |
| Teva Pharmaceutical Industries | | VidaCare Corporation | |
| The Innovation Factory | | Vidara Therapeutics | |
| The P.F. Laboratories, Inc. | | ViiV Healthcare | |
| Theranostics Health | | Vilex Inc. | |
| Therapeutic Pillows | | ViroPharma Incorporated | |
| TherOx, Inc. | | Visionquest Industries Inc. | |
| Thoratec Corporation | | Vitalcor, Inc. | |
| Tomophase Corporation | | VitalWear Inc. | |
| Toray Industries (America), Inc. | | VivoMetrics, Inc. | |
| Tornier, Inc. | | VNUS Medical Technologies, Inc. | |
| Toshiba (Any division) | | W. L. Gore & Associates, Inc. | |
| TranS1, Inc. | | Walgreens (Any division) | |
| Transoma Medical, Inc. | | WaveTec Vision Systems, Inc. | |
| TriReme Medical Inc. | | Welch Allyn, Inc. | |
| TyRx Pharma, Inc. | | Wound Care Innovations, LLC | |
| UCB | | Wright Medical Technology, Inc. | |
| Uluru Inc. | | Wyeth | |
| United Therapeutics | | Wyeth Pharmaceuticals | |
| Urovalve, Inc. | | Wyeth Research | |
| US HIFU, LLC | | Xceed Molecular | |
| USCI Japan | | Zimmer (Any division) | |
| Valeant Pharmaceuticals (Any division) | | Zoll (Any division) | |
| Vapotherm, Inc. | | | |

## J: State Content Tagging Content Areas

| Opioids Content Areas | States |
|---|---|
| General Controlled Substance Prescribing/Dispensing- Practices | AL, CO, CT, DE, FL, GA, IL, IN, IA, LA, ME, MD, MI, MS, NE, NV, NJ, NM, NC, OK, PA, SC, TN, TX, UT, VT, VA, WA, WV, WI |
| Identifying and Managing Controlled Substance Misuse and Use Disorder | AL, AK, AZ, CA, CO, GA, IN, IA, KY, LA, NY, NH, NJ, NM, NY, NC, OK, PA,VA, WV, WV |
| Pain Management | AL, AK, CA, CT, DE, GA, IA, KY, LA, MA, MI, NV, NH, NJ, NM, NY, NC, OK, OR, PA, TX |
| Controlled Substances (Opioids/Benzodiazepines/Barbiturates) | AR, CO, DC, MA, NJ, NM, TN |
| Palliative Care and End of Life Care | CA, IA, MA, NJ, NM, VT |
| Prescription Drug Monitoring Program (PDMP) | CA, IA, MA, NJ, NY |

## K: List of Error Codes

| Code | Description |
|------|-------------|
| 101 | Activity record action was not specified. |
| 102 | Activity record action invalid. |
| 103 | Add action has duplicate of existing activity ID. |
| 104 | Record not found. Update action has unknown activity ID. |
| 105 | Record not found. Delete action has unknown activity ID. |
| 106 | Activity could not be deleted. Participant records exist for this activity. |
| 107 | Activity record is a duplicate for an activity submitted to Board through non-ACCME methods and cannot be reported through PARS. |
| 200 | Missing number of AMA credits |
| 202 | Missing ACCME Activity ID. |
| 203 | Missing Activity title. |
| 204 | No specialties included in record. |
| 205 | Missing Activity start date. |
| 206 | Missing MOC points. |
| 207 | Missing Variable MOC points. |
| 208 | Missing Patient safety approval status. |
| 209 | Missing reporting start date. |
| 210 | Missing reporting end date. |
| 211 | Missing activity format. |
| 212 | Missing providership. |
| 213 | Missing provider name. |
| 214 | Missing joint provider name. |
| 215 | Missing activity end date. |
| 216 | Missing Provider Activity ID. |
| 217 | Missing content outline elements |
| 218 | Missing Medical Knowledge approval status |
| 219 | Missing Practice Assessment approval status |
| 220 | Missing activity URL |
| 302 | ACCME Activity ID not valid. |
| 303 | Activity title not valid. |
| 304 | Specialty not valid. |
| 305 | Activity start date not valid. |
| 306 | MOC points not valid. |
| 307 | Variable MOC points not valid. |
| 308 | Patient safety approval status not valid. |
| 309 | Reporting start date not valid. |
| 310 | Reporting end date not valid. |
| 311 | Activity format not valid. |
| 312 | Providership not valid. |
| 313 | Provider name not valid. |
| 314 | Joint provider name not valid. |
| 315 | Activity start date format is invalid. Expected yyyy-mm-ddT:00:00:00 |
| 316 | Activity end date format is invalid. Expected yyyy-mm-ddT:00:00:00 |
| 317 | Medical Knowledge approval status not valid. |
| 318 | Practice Assessment approval status not valid. |
| 319 | MOC points not in increment of 0.25 |
| 320 | Activity specialty/licensing board registration cannot be removed. Learner completion records exist for {Board acronym} and must be deleted before the activity registration can be removed. |
| 321 | Activity REMS registration cannot be removed. REMS learner completion records exist for this activity and must be deleted before the REMS registration can be removed. |

| Code | Description |
|---|---|
| 451 | Invalid User: Access Denied |
| 452 | Invalid Reporting Year: Please enter in a valid year. Example: 2015 |
| 453 | Data could not be read. Please make sure that you are uploading XML data in the correct format. |
| 454 | Only one Activity at a time can be submitted thru this service. |
| 455 | Error Reading XML Web Service: [Error Message] |
| 456 | MEMS Element: entry: [XML Identifier], - Invalid data value/format for [Element Name]: [Data Value] |
| 457 | MEMS Element: entry: [XML Identifier], Element name: [Element Name] - Missing required field: [Field Name] |
| 458 | MEMS Element: entry: [XML Identifier], Element name: ActivityDescription/lom: lom/lom:general/lom:identifier/lom:catalog/lom:entry - ACCME ActivityID is invalid/does not exist |
| 459 | MEMS Element:  entry: [XML Identifier], Element name: mem: ActivityDescription/lom: lom/hx: healthcareMetadata/hx:healthcareEducation/hx:activityFormat - Invalid data value for Activity Type: [Activity Type] |
| 460 | MEMS Element:  entry: [XML Identifier], Element name: mem: ActivityDescription/lom: lom/hx: healthcareMetadata/hx:healthcareEducation/hx:activityFormat - At least one subcategory is required for a Course or Internet Live Course |
| 461 | MEMS Element: entry: [XML Identifier], Element name: [Element Name] - Invalid value for Reporting Year: [Data Value]. You cannot add or update activities for [Data Value] because the data for this year has already been attested as complete. |
| 462 | MEMS Element: entry: [XML Identifier], Element name: [Element Name] - Invalid value for Reporting Year: [Data Value]. |
| 463 | MEMS Element: identifier: entry: [XML Identifier], Element name: [Element Name] - Invalid element. |
| 464 | MEMS Element: Update Reporting Year from [Existing Reporting Year] to [New Reporting Year] not permitted. |
| 465 | MEMS Element: entry: [XML Identifier], Element name: [Element Name]: This activity record is assigned to a reporting year that is not currently available for entry of records. |
| 466 | MEMS Element: entry: [XML Identifier], - Failed to add the activity |
| 467 | MEMS Element: entry: [XML Identifier], - Failed to update the activity |
| 468 | MEMS Element: entry: [XML Identifier], - Invalid data value/format for Credits Offered: [Credits Offered]. |
| 469 | Activity end date cannot be earlier than activity start date. |
| 470 | Based on activity end date, activity cannot be registered for [Board name] MOC. |
| 472 | Keyword element(s) not valid for MOCA content outline. |
| 473 | MEMS Element: entry: [XML Identifier], Element name: [Element Name] - This activity is already closed and cannot be updated. |
| 474 | Internal ID cannot be the Organization ID. Please enter a unique value for this field. |
| 475 | Credit Claim date cannot be before the activity end date listed for the activity |
| 476 | An activity matching this ID already exists. Existing activities may not use the 'Add' record action. |
| 477 | Duplicate Entry. Two or more activity records in this submission have the same ID. Please ensure all activities in this file have unique IDs. |
| 478 | Pharmacy sequence number already in use. |
| 479 | Invalid data value/format for Commendation Tag: |
| 480 | Invalid data value/format for REMS Type: |
| 481 | Closed activities may not be edited. |
| 482 | Learners may not be reported for activities in the future. |
| 483 | This activity cannot be closed. Activities must have all required fields completed and an end date in the past to be closed. |
| 484 | Missing default credit type: |
| 485 | Invalid template |
| 486 | Activity Format cannot be changed when individual learners have been reported |
| 487 | Activity credit type cannot be submitted alone |

| Code | Description |
|------|-------------|
| 488 | Invalid delivery method(s): |
| 489 | Invalid count of Keyword element(s): {Count} |
| 490 | At least one practice area or specialty is required |
| 491 | Invalid practice area or specialty |
| 492 | Activity cannot be deleted. |
| 999 | General activity record processing error. |
| 9999 | Fatal Error: Please contact IT Support. |