

# XML Learner File Specifications

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## Version History

| Version    | Date       | Notes  |
|------------|------------|--|
| <b>2.0</b> | 11/16/2021 | Updated document to detail the new PARS v3 XML learner record format.  |
| <b>1.9</b> | 04/23/2020 | Removed the restriction preventing participants from earning both ABO Part IV and Patient Safety credit in the same activity. This change allows for 4 activityCertification elements to exist in a single record only if an ABO learner earned all ABO credit types in a single activity. |
| <b>1.8</b> | 02/12/2020 | Added information for providers participating in the State Pilot Program.  |
| <b>1.7</b> | 08/09/2019 | Updated document to combine Learner XML File Specification documents for ABIM, ABP, ABA, ABPath, ABOHNS, and ABO into a single document. Updated document to include expanded reporting instructions for submitting completion dates for current and previous years.                       |
| <b>1.6</b> | 01/22/2019 | Updated document to include instructions to submit participants for ABO MOC.   |
| <b>1.5</b> | 10/11/2018 | Updated document to include instructions to submit participants for ABOHNS Continuing Certification.   |
| <b>1.4</b> | 07/17/2018 | Updated document to include instructions to submit participants for ABPath Continuing Certification.   |
| <b>1.3</b> | 04/07/2017 | Updated document to include instructions to submit participants for ABIM MOC Part IV (Practice Assessment) Credit.   |
| <b>1.2</b> | 11/01/2017 | Updated document to include instructions to submit participants for ABA MOCA and ABP MOC credit.   |
| <b>1.1</b> | 05/05/2016 | Created document with instructions for submitting participants for ABIM MOC Part 2 (Medical Knowledge) and ABIM MOC Patient Safety credit  |

## Introduction

An enhanced version of PARS launched in November 2021. This version supports new functionality via the introduction of new data formats for activity and learner reporting but is backwards compatible with the prior version of PARS (referred to as “Legacy PARS”). The legacy PARS data formats will be designated as “deprecated”, but they will be supported for an extended

period of time to allow organizations to make adjustments to their internal systems. Organizations interested in accessing PARS' enhancements should consider the following:

- Utilize new activity and learner data formats as outlined in PARS documentation.
- The new sandbox environments can be utilized to validate the processing of legacy PARS format and enhanced PARS formats.
- Contact ACCME at [info@accme.org](mailto:info@accme.org) to coordinate your organization's transition from legacy data formats to enhanced data formats in production.
- Do not mix legacy and enhanced formats in production.

This document defines the elements to be used by providers when reporting learner completion data to ACCME's Program and Activity Reporting System (PARS) for collaborating boards. The XML schema is based on version 2.0 of the **Medbiquitous ActivityReports** standard. The XML schema described in this document is a major version change from the format used by PARS since 2015.

This document is intended for use as a guide for entering CME, MOC, and REMS learner participation in PARS.

- You can report CME credit for any physician in support of their State Licensing Requirements. The ACCME currently has collaborations in place with the [State Medical Boards listed here](#). Those Boards will directly access the data you report on behalf of physicians licensed in their states.
- You can report MOC credit for the participating certifying boards listed below, so long as those activities are registered for [Maintenance of Certification](#) (also known as Continuing/Continuous Certification).
- You can report REMS completions for activities which have received a grant from the RPC in support of [FDA programs](#)

| Board  | Program   |
|--------|---|
| ABA    | American Board of Anesthesiology's ABA MOCA 2.0 Program                                     |
| ABIM   | American Board of Internal Medicine's MOC Program   |
| ABP    | American Board of Pediatrics' MOC Program   |
| ABPath | American Board of Pathology's Continuing Certification Program                              |
| ABOHNS | American Board of Otolaryngology – Head and Neck Surgery's Continuing Certification Program |
| ABO    | American Board of Ophthalmology's MOC Program   |
| ABS    | American Board of Surgery's Continuous Certification Program                                |

Some key points:

1. Learner completion data can be reported in PARS for all accredited CME activities, as well as those registered for Maintenance of Certification/Continuing Certification (MOC/CC). This description includes only the data elements that are required to submit learner data to PARS. For complete documentation on all data elements that are supported by the Medbiquitous standard, please refer to the Medbiquitous [website](#). Note that the ActivityReport standard incorporates by reference portions of the Healthcare Professional Profile and Healthcare Learning Objects Metadata (LOM) standards.
2. ACCME has extended the Medbiquitous schema by adding a custom root container (ACCMELEARNERREPORTS) and a subelement in the ActivityReport XtensibleInfo element to store metadata related to record transaction operations.

3. PARS will expect an ActivityReport element container for each participant completion record in the file. Each ActivityReport container will include **one completion record for one learner**. This completion record can include CME only, MOC/CC only, or both CME and MOC in a single record. More information can be found in [Appendix A](#).

# XML Learner File Specifications

## Learner Completion Data Elements

| Element Name               | Description  | Min Occurs | Max Occurs | Type      | ACCME Business Rules   |
|----------------------------|--|------------|------------|-----------|--|
| <b>ACCMELearnerReports</b> | Super root element container for ActivityReports   | 1          | 1          | Complex   | <b>ACCMELearnerReports</b> is the container for all participant completion records.  |
| <b>ActivityReports</b>     | Medbiquitous-defined container element. Contains one or more individual ActivityReport elements. | 1          | 1          | Complex   |  |
| DateTimeCreated            | The date and time the current LearnerReports file was created.                                   | 1          | 1          | Date/Time | Use format <i>yyyy-mm-ddThh:mm:ss</i> . Submissions are assumed to be in CST unless time zone is indicated.<br><br>(Example: <i>2021-07-30T17:00:00</i> )  |
| <b>ActivityReport</b>      | Medbiquitous-defined container element.  | 1          | many       | Complex   | Each ActivityReport element holds data for one learner completing one activity.<br><br>For XML batch uploads: multiple ActivityReport elements can be included, up to a limit of 2,500 records.<br><br>For web service transmission, a separate web service call should be issued for each learner completion, and a single ActivityReport element should be included. |
| ReportingOrganization      | Name of the organization that is the accredited provider of the CME activity.                    | 1          | 1          | String    | Full name of the provider.<br><br>(Example: <i>Western Regional Medical Center</i> ).  |
| <b>Member</b>              | Container element defined in Medbiquitous Professional Profile schema                            | 1          | 1          | Container | Only the sub-elements listed in this document are required.  |

| Element Name        | Description  | Min Occurs | Max Occurs | Type      | ACCME Business Rules  |
|---------------------|--|------------|------------|-----------|---|
| UniqueID            | Sub-element of Member.   | 1          | multiple   | String    | <p>Learner's Board identification number. Multiple UniqueID entries can appear when the learner completion counts for multiple Boards.</p> <p>If reporting for CME, the UniqueID should correspond to the state code entered for Domain.</p> <p>If reporting for MOC/CC, multiple UniqueIDs can be reported if the physician is dual-certified.</p> <p>If reporting for CME and MOC, at least 2 UniqueIDs should be reported: one UniqueID should be used for CME, and one or more UniqueIDs should be used for MOC/CC.</p> |
| Domain              | Attribute of UniqueID. Name of the specialty board or other entity | 1          | 1          | String    | <p>Name of the certifying board, licensing board, or other entity issuing this uniqueID.</p> <p>Certification values include: <i>ABIM, ABA, ABP, ABPATH, ABOHNS, ABO, or ABS.</i></p> <p>Licensing values can indicate the state code for the licensing board or NPI</p>  |
| <b>Name</b>         | Sub-element of Member  | 1          | 1          | Container |   |
| GivenName           |  | 1          | 1          | String    | <p>First name of the learner.</p> <p>(Example: <i>Jill</i>)</p>   |
| FamilyName          |  | 1          | 1          | String    | <p>Last name of the learner.</p> <p>(Example: <i>Smith</i>)</p>   |
| <b>PersonalInfo</b> | Sub-element of Member  | 0          | 1          | Container | <p>This is optional for ABA and ABP reporting. <b>Do not include this element if BirthDate is not being reported.</b></p>   |

| Element Name           | Description   | Min Occurs | Max Occurs | Type                | ACCME Business Rules   |
|------------------------|---|------------|------------|---------------------|--|
| BirthDate              | Sub-element of PersonallInfo. Month and day of learner's date of birth.   | 0          | 1          | Date                | Include month and day. This is optional for ABA and ABP reporting. For all other records, format as 1904-MM-DD. Use 1904 in place of the actual year.<br><br>(Example: 1904-04-15) |
| <b>Participants</b>    | Container Element   | 1          | 1          | Container           | Only include if for a REMS-registered activity. <b>Do not include this element if REMS completions are not being reported.</b>   |
| Participant            | Sub-element of Participants. Contains sub-elements that describe demographic details for a single learner.  | 1          | 1          | Container           |  |
| LocalIdentifier        | An alphanumeric identifier for the learner used internally by the reporting organization. This should not allow other organizations to identify the learner.  | 1          | 1          | String              | (Example: 12345)   |
| Domain                 | Attribute of LocalIdentifier. Must be in format id:domainname:localidentifiertype where domainname is the domain name of the accredited provider and localidentifiertype is a local identifier for the type of unique ID. | 1          | 1          |                     | Example: id:university.edu:ce  |
| StateOfPrimaryPractice | The state that the learner has identified as being the primary state in which he or she practices.  | 0          | 1          | String (restricted) | Use the full name of the state. See Appendix B for values<br><br>(Example: <i>Maine</i> )  |
| DEARegistration        | Indicates whether the learner is able to prescribe controlled substances, and if so, the type of registration which allows him or her to do so.   | 0          | 1          | String (restricted) | See Appendix B for values<br><br>(Example: <i>Institutional</i> )  |

| Element Name                 | Description   | Min Occurs | Max Occurs | Type                | ACCME Business Rules   |
|------------------------------|---|------------|------------|---------------------|--|
| Profession                   | The learner's profession.   | 1          | 1          | String (restricted) | See Appendix B for values (Example: <i>Physician</i> )   |
| PracticeArea                 | The clinical area in which the learner practices.   | 0          | 1          | String (restricted) | See Appendix B for values (Example: <i>Anesthesiology</i> )  |
| SurgicalProcedures           | Indicates whether the learner performs surgical procedures  | 0          | 1          | Boolean             | See Appendix B for values  |
| TimeInPractice               | The length of time the learner has been in practice.  | 0          | 1          | String (restricted) | See Appendix B for values  |
| <b>Activity</b>              | Sub-element of ActivityReport   | 1          | 1          | Container           | Holds data elements for learner's completion of the CME activity.  |
| ProviderOrganization         | Organization ID number for the accredited provider of the CME activity.                                   | 1          | 1          | String              | Use the ACCME-issued 7-digit organization ID number, including any leading zeroes. (Example: <i>0008001</i> )  |
| ActivityName                 | Sub-element of Activity identifying the CME activity.   | 1          | 1          | String              | Use the ACCME-issued 9-digit Activity ID number. (Example: <i>200654321</i> )  |
| <b>RegulatoryInformation</b> | Sub-element of Activity   | 1          | 1          | Container           | Holds data elements that describe the activity's relationship to any regulations. <b>Do not include this element if REMS completions are not being reported.</b>                                   |
| CompliantToRegulation        | Sub-element of RegulatoryInformation. Indicates that the activity described is compliant to a regulation. | 1          | 1          | String/URL          | For Opioid Analgesic REMS use: <a href="http://www.accessdata.fda.gov/drugsatfda_docs/label/2018/OpioidREM2018.pdf">http://www.accessdata.fda.gov/drugsatfda_docs/label/2018/OpioidREM2018.pdf</a> |
| label                        | Attribute of CompliantToRegulation. Labels the regulation.  | 1          | 1          |                     | For Opioid Analgesic REMS use Opioid REMS. (Example: <i>Opioid REMS</i> )  |
| <b>Module</b>                | Sub-element of Activity   | 1          | 1          | Container           | Holds data elements for the learner's completion of the CME activity.  |
| ModuleName                   | The name/title of the CME activity. Sub-element of Module.  | 1          | 1          | String              | Text name of the CME activity. (Example: <i>Western Regional Conference 2022</i> )   |

| Element Name             | Description   | Min Occurs | Max Occurs | Type                | ACCME Business Rules   |
|--------------------------|---|------------|------------|---------------------|--|
| moduleID                 | Attribute for ModuleName. The unique identifier for the activity.                                   | 1          | 1          | String              | Use the ACCME-issued 9-digit Activity ID number.<br><br>(Example: 200654321)   |
| Status                   | The status of the learner's completion of this activity. Sub-element of Module.                     | 1          | 1          | String (restricted) | The only accepted value is <i>Completed</i> . Any other value will cause the record to be rejected.  |
| CompletedDateTime        | The date and time for the learner's completion of the activity. Sub-element of Module.              | 1          | 1          | Date/Time           | Use the format YYYY-MM-DDThh:mm:ss. Submissions are assumed to be in CST unless time zone is indicated.<br><br>(Example: 2021-08-01T00:00:00).<br><br>Learner completion will be accepted in PARS for the current calendar year and the previous calendar year (ex: 2020 completion can be submitted until 3/31/2022, 2021 to 3/31/2023, etc.) so long as the completion date entered is between the listed start and end date (or credit claim date if for MOC) of the activity |
| <b>CreditCertificate</b> | Sub-element of Module, holding data elements describing the points awarded to the learner.          | 1          | multiple   | Container           | Each record must have one CreditCertificate that includes an activityCertification value ( <b>See <a href="#">Appendix A</a> for values</b> )<br><br>To report additional credit types earned for the activity by the learner, include additional CreditCertificate containers with activityCertification values.  |
| <b>CreditReceived</b>    | Sub-element of CreditCertificate. Defined as the credits element in the Medbiquitous HLOM standard. | 1          | 1          | Container           |  |



| Element Name          | Description   | Min Occurs | Max Occurs | Type  | ACCME Business Rules   |
|-----------------------|---|------------|------------|---|--|
| activityCertification | Identifies the category of points being awarded. Sub-element of CreditReceived.<br><br>Each board has specific credit language. | 1          | 4 (varies) | String (restricted)                                     | See <a href="#">Appendix A</a> for all current activityCertification values. activityCertification must be present in the activity record to pass validation and must match the Uniqueld domain of the learner.<br><br>(Example: <i>ABA Lifelong Learning</i> or <i>ABIM Practice Assessment</i> ) |
| creditUnit            | Describes the unit being awarded. Sub-element of CreditReceived.  | 1          | 1          | String (restricted)                                     | The only accepted value is <i>Point</i> .  |
| numberOfCredits       | Details the number of credits awarded to the learner for this activity completion. Sub-element of CreditReceived.               | 1          | 1          | Decimal   | Numeric decimal value with up to two digits to the right of the decimal point, in increments of .25 (Example: 1.75).   |
| CreditID              | A unique identifier for the credit awarded to the learner. Sub-element of CreditCertificate.                                    | 1          | 1          | Uniform resource name (URN). Max length: 300 characters | Format as <i>ccid:provider domain:provider system unique identifier</i><br><br>(Example: <i>ccid:WesternRegionalMedicalCenter.org:12345</i> )  |
| <b>XtensibleInfo</b>  | Container for custom elements added by ACCME. Sub-element of ActivityReport.  | 1          | 1          | Container   |  |
| LearnerRecordAction   | Describes the data transaction for the current ActivityReport record. Sub-element of XtensibleInfo.                             | 1          | 1          | String (restricted)                                     | Use <i>add</i> for reporting a learner completion.<br><br>Use <i>delete</i> for reporting the removal of a learner completion record.  |

## Appendix A: CreditCertificate Reference Guide

A noteworthy change from the previous version of PARS simplifies reporting of learner completions for an activity for which the learner has earned different credit amounts for different credit types. All credit types earned can be reported using a single record that includes multiple CreditCertificate elements.

**Example:** Jill Smith attends an activity registered for ABA Lifelong Learning and Patient Safety. She earns 20 Lifelong Learning credits, 5 of which are eligible for Patient Safety credit. This would be reported in a **single record**, containing two CreditCertificates, one for ABA Lifelong Learning (20.00), and the second for ABA Patient Safety (5.00).

### Certifying Board activityCertification Values

| Board | Min | Max | Accepted Values   | activityCertification details  | Notes   |
|-------|-----|-----|---|--|---|
| ABA   | 1   | 2   | <b>ABA Lifelong Learning</b><br><i>ABA Patient Safety*</i>                                      | Each ABA learner record <u>must</u> have one CreditCertificate that includes an activityCertification value of <i>ABALifelong Learning</i> .<br><br>To report patient safety credit, include a second CreditCertificate with an activityCertification value of <i>ABA Patient Safety</i> .   | <i>*ABA Patient Safety</i> cannot be submitted on its own. This credit type must be submitted along with <i>ABA Lifelong Learning</i> .   |
| ABIM  | 1   | 3   | <i>ABIM Medical Knowledge</i><br><i>ABIM Practice Assessment</i><br><i>ABIM Patient Safety*</i> | Each ABIM record <u>must</u> have one CreditCertificate that includes an activityCertification value of <i>ABIM Medical Knowledge</i> or <i>ABIM Practice Assessment</i> .<br><br>To report ABIM Practice Assessment credit in addition to ABIM Medical Knowledge, include an additional CreditCertificate with an activityCertification value of <i>ABIM Practice Assessment</i> .<br><br>To report ABIM Patient Safety credit, include an additional CreditCertificate with an activityCertification value of <i>ABIM Patient Safety</i> . | <i>* ABIM Patient Safety</i> cannot be submitted on its own. This credit type must be submitted along with <i>ABIM Medical Knowledge</i> and/or <i>ABIM Practice Assessment</i> . |
| ABP   | 1   | 1   | <b>ABP Lifelong Learning and Self-Assessment</b>  | Each ABP learner record <u>must</u> have one Credit Certificate that includes an activityCertification of <i>ABP Lifelong Learning and Self-Assessment</i> .   |   |

| Board  | Min | Max | Accepted Values   | activityCertification details  | Notes  |
|--------|-----|-----|---|--|--|
| ABPATH | 1   | 3   | <p><b>ABPATH Lifelong Learning</b><br/> <i>ABPATH Improvement in Medical Practice*</i></p> <p><i>ABPATH Self-Assessment (not accepted for completions after 12/31/2020)</i></p> | <p>Each ABPATH learner record <u>must</u> have one CreditCertificate that includes an activityCertification value of <i>ABPATH Lifelong Learning</i>.</p> <p>To report Improvement in Medical Practice (Part IV), include an additional CreditCertificate with an activityCertification of <i>ABPATH Improvement in Medical Practice</i></p> <p>To report SAM credit, include an additional CreditCertificate with an activityCertification value of <i>ABPATH Self-Assessment</i>.</p>  | <p><i>*ABPATH Self-Assessment and/or ABPATH Improvement in Medical Practice credit cannot be submitted on its own. This credit type must be submitted along with ABPATH Lifelong Learning.</i></p> |
| ABOHNS | 1   | 3   | <p><i>ABOHNS Self-Assessment</i><br/> <i>ABOHNS Improvement in Medical Practice</i><br/> <i>ABOHNS Patient Safety*</i></p>  | <p>Each ABOHNS learner record <u>must</u> have one CreditCertificate that includes an activityCertification value of <i>ABOHNS Self-Assessment</i> or <i>ABOHNS Improvement in Medical Practice</i>.</p> <p>To report ABOHNS Improvement in Medical Practice credit in addition to ABOHNS Self-Assessment, include an additional CreditCertificate with an activityCertification value of <i>ABOHNS Improvement in Medical Practice</i>.</p> <p>To report ABOHNS Patient Safety credit, include an additional CreditCertificate with an activityCertification value of <i>ABOHNS Patient Safety</i>.</p> | <p><i>*ABOHNS Patient Safety cannot be submitted on its own. This credit type must be submitted along with ABOHNS Self-Assessment or ABOHNS Improvement in Medical Practice.</i></p>               |

| Board | Min | Max | Accepted Values   | activityCertification details   | Notes   |
|-------|-----|-----|---|---|---|
| ABO   | 1   | 4   | <b>ABO Lifelong Learning</b><br>ABO Self-Assessment<br>ABO Improvement in Medical Practice<br>ABO Patient Safety* | <p>Each ABO learner record <u>must</u> have one CreditCertificate that includes an activityCertification value of <i>ABO Lifelong Learning</i>.</p> <p>To report Self-Assessment (SAM), include an additional CreditCertificate with an activityCertification of <i>ABO Self-Assessment</i>.</p> <p>To report Improvement in Medical Practice (Part IV), include an additional CreditCertificate with an activityCertification of <i>ABO Improvement in Medical Practice</i>.</p> <p>To report ABO Patient Safety credit, include an additional CreditCertificate with an activityCertification value of <i>ABO Patient Safety</i>.</p> | *All <i>ABO Self-Assessment</i> , <i>Improvement in Medical Practice</i> , and <i>ABO Patient Safety</i> credit types must be submitted along with <i>ABO Lifelong Learning</i> . |
| ABS   | 1   | 2   | <b>ABS Accredited CME</b><br>ABS Self-Assessment*   | <p>Each ABS learner record must have a CreditCertificate that includes an activityCertification value of <i>ABS Accredited CME</i>.</p> <p>To report Self-Assessment, include an additional CreditCertificate with an activityCertification value of <i>ABS Self-Assessment</i>.</p>  | *All <i>ABS Self-Assessment</i> credit must be submitted with <i>ABS Accredited CME</i> credit.   |

State Licensing Board CME reporting activityCertification Value

| Board            | Min | Max | Accepted Values    | activityCertification details  | Notes |
|------------------|-----|-----|--------------------|--|-------|
| All state boards | 1   | 1   | AMA PRA Category 1 | To report a learner for CME, the learner record <u>must</u> have one CreditCertificate that includes an activityCertification value of <i>AMA PRA Category 1</i> . |       |

# XML Learner File Specifications

## Appendix B: REMS Reference Guide

| Field                  | Valid Values |   |
|------------------------|--------------|---|
|                        | OA           | REMS  |
| StateOfPrimaryPractice | Optional     | Alabama, Alaska, Arizona, Arkansas, California, Colorado, Connecticut, Delaware, District of Columbia, Florida, Georgia, Guam, Hawaii, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Northern Mariana Islands, Ohio, Oklahoma, Oregon, Palau, Pennsylvania, Puerto Rico, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, U.S. Virgin Islands, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, Wyoming |
| DEARegistration        | Optional     | Individual, Institutional, None   |
| Profession             | Required     | Physician, Advanced practice nurse, Dentist, Nurse, Optometrist, Pharmacist, Physician Assistant, Podiatrist, Psychologist, Veterinarian, Other health care professional, Other   |
| PracticeArea           | Optional     | Anesthesiology, Critical Care, Dentistry, Emergency, Family Medicine, General surgery, Geriatric, Hematology, Hospice and/or Palliative Care, Internal Medicine, Neurology, Obstetrics/Gynecology, Oncology, Ophthalmology, Orthopedic surgery, Other surgical specialty, Pain, Pediatric, Physical Medicine and Rehabilitation, Psychiatry, Substance Use Disorder, Other, N/A   |
| SurgicalProcedures     | Optional     | True, False   |
| TimeInPractice         | Optional     | Trainee (e.g., student, intern, resident, fellow), 0-5 years post training, 6-10 years, 11-15 years, 16-20 years, 21+ years   |

# XML Learner File Specifications

## Appendix C: XML Sample Records

Following are examples of ACCME Learner Reports records formatted

- 1) For reporting participant completion of a learner earning ABP Lifelong Learning and Self-Assessment credits.
- 2) For reporting participant completion of a learner earning AMA PRA Category 1 credits.
- 3) For reporting participant completion of a learner earning ABIM Medical Knowledge, Practice Assessment, Patient Safety, and AMA PRA Category 1 credits.

**\*These records contain non-production data; providers will need to supply references to valid activity records in their own account in PARS when reporting data.**

The ACCME has a zip file available here (TBD) containing sample XML files and other technical files to be used for submitting learner completion data for activities registered for MOC. This file contains examples for all currently available specialty and licensing boards. This file is useful to support both implementation of the web services and XML batch upload file development.

### **1) Example of an ACCME Learner Reports file containing a single learner completion record for ABP Lifelong Learning and Self-Assessment.**

```
<accme:ACCME_Learner_Reports
  xsi:schemaLocation="http://docs.accme.org/schemas/ACCME_Learner_Reports/v3/
  ACCME_Learner_Reports.xsd">
  <ar:Activity_Reports>
    <ar:DateTime_Created>2021-08-30T00:00:00</ar:DateTime_Created>
    <ar:Activity_Report>
      <ar:Reporting_Organization>AAA Test Organization</ar:Reporting_Organization>
      <ar:Member>
        <m:UniqueID domain="ABP">207691</m:UniqueID>
        <m:Name>
          <n:GivenName>Willa</n:GivenName>
          <n:FamilyName>Duncan</n:FamilyName>
        </m:Name>
        <m:Personal_Info>
          <m:BirthDate>1904-05-25</m:BirthDate>
        </m:Personal_Info>
      </ar:Member>
      <ar:Activity>
        <ar:Provider_Organization>1234567</ar:Provider_Organization>
        <ar:Activity_Name>210015726</ar:Activity_Name>
        <ar:Module>
          <ar:Module_Name moduleID="210015726">Pediatric Grand Rounds Review</ar:Module_Name>
          <ar:Status>Completed</ar:Status>
          <ar:Completed_Date_Time>2021-07-06T16:01:00</ar:Completed_Date_Time>
          <ar:Credit_Certificate>
            <ar:Credit_Received>
              <hx:activity_Certification>ABP Lifelong Learning and Self-Assessment</hx:activity_Certification>
              <hx:credit_Unit>Point</hx:credit_Unit>
              <hx:number_Of_Credits>2</hx:number_Of_Credits>
            </ar:Credit_Received>
          </ar:Credit_Certificate>
        </ar:Module>
      </ar:Activity>
    </ar:Activity_Report>
  </ar:Activity_Reports>
</accme:ACCME_Learner_Reports>
```

```

    </ar:CreditReceived>
    <ar:CreditID>ccid:aaatestorganization.org:p20210706-20210717</ar:CreditID>
    </ar:CreditCertificate>
    </ar:Module>
    </ar:Activity>
  <ar:XtensibleInfo>
    <ex:learnerRecordAction>add</ex:learnerRecordAction>
    </ar:XtensibleInfo>
    </ar:ActivityReport>
    </ar:ActivityReports>
  </accme:ACCMELEarnerReports>

```

**2) Example of an ACCMELEarnerReports file containing a single learner completion for AMA PRA Category 1 credits.**

```

<accme:ACCMELEarnerReports
  xsi:schemaLocation="http://docs.accme.org/schemas/ACCMELEarnerReports/v3/ACCMELEarnerReports.xsd">
  <ar:ActivityReports>
    <ar:DateTimeCreated>2021-08-30T00:00:00</ar:DateTimeCreated>
    <ar:ActivityReport>
      <ar:ReportingOrganization>AAA Test Organization</ar:ReportingOrganization>
      <ar:Member>
        <m:UniqueID domain="NC">81345141</m:UniqueID>
        <m:Name>
          <n:GivenName>Louisa</n:GivenName>
          <n:FamilyName>Hurst</n:FamilyName>
        </m:Name>
        <m:PersonalInfo>
          <m:BirthDate>1904-10-16</m:BirthDate>
        </m:PersonalInfo>
      </ar:Member>
      <ar:Activity>
        <ar:ProviderOrganization>1234567</ar:ProviderOrganization>
        <ar:ActivityName>210015266</ar:ActivityName>
        <ar:Module>
          <ar:ModuleName moduleID="210015266">Pediatric Grand Rounds Review</ar:ModuleName>
          <ar:Status>Completed</ar:Status>
          <ar:CompletedDateTime>2021-08-06T12:01:00</ar:CompletedDateTime>
        </ar:Module>
        <ar:CreditCertificate>
          <ar:CreditReceived>
            <hx:activityCertification>AMA PRA Category 1</hx:activityCertification>
            <hx:creditUnit>Point</hx:creditUnit>
            <hx:numberOfCredits>1</hx:numberOfCredits>
          </ar:CreditReceived>
          <ar:CreditID>ccid:aaatestorganization.org:p20210806-99941</ar:CreditID>
          </ar:CreditCertificate>
          </ar:Module>
          </ar:Activity>
        </ar:XtensibleInfo>
        <ex:learnerRecordAction>add</ex:learnerRecordAction>
      </ar:ActivityReport>
    </ar:ActivityReports>
  </accme:ACCMELEarnerReports>

```



```
</ar:ActivityReport>
</ar:ActivityReports>
</accme:ACCMELearnerReports>
```

### **3) Example of an ACCME Learner Reports file containing a single learner completion for ABIM Medical Knowledge, Practice Assessment, Patient Safety, and AMA PRA Category 1 credits:**

```
<accme:ACCMELearnerReports
  xsi:schemaLocation="http://docs.accme.org/schemas/ACCMELearnerReports/v3/
  ACCMELearnerReports.xsd">
<ar:ActivityReports>
  <ar:DateTimeCreated>2021-09-01T00:00:00</ar:DateTimeCreated>
<ar:ActivityReport>
  <ar:ReportingOrganization>AAA Test Organization</ar:ReportingOrganization>
<ar:Member>
  <m:UniqueID domain="ABIM">999902</m:UniqueID>
  <m:UniqueID domain="ME">MD-999902</m:UniqueID>
<m:Name>
  <n:GivenName>Jane</n:GivenName>
  <n:FamilyName>ACCME</n:FamilyName>
  </m:Name>
<m:PersonalInfo>
  <m:BirthDate>1904-10-30</m:BirthDate>
  </m:PersonalInfo>
</ar:Member>
<ar:Activity>
  <ar:ProviderOrganization>1234567</ar:ProviderOrganization>
  <ar:ActivityName>210015671</ar:ActivityName>
<ar:Module>
  <ar:ModuleName moduleID="210015671">Endocrinology Update</ar:ModuleName>
  <ar:Status>Completed</ar:Status>
  <ar:CompletedDateTime>2021-08-26T17:21:00</ar:CompletedDateTime>
<ar:CreditCertificate>
<ar:CreditReceived>
  <hx:activityCertification>AMA PRA Category 1</hx:activityCertification>
  <hx:creditUnit>Point</hx:creditUnit>
  <hx:numberOfCredits>2.5</hx:numberOfCredits>
  </ar:CreditReceived>
  <ar:CreditID>ccid:aaatestorganization.org:p20210826-2001</ar:CreditID>
  </ar:CreditCertificate>
<ar:CreditCertificate>
<ar:CreditReceived>
  <hx:activityCertification>ABIM Medical Knowledge</hx:activityCertification>
  <hx:creditUnit>Point</hx:creditUnit>
  <hx:numberOfCredits>2.5</hx:numberOfCredits>
  </ar:CreditReceived>
  <ar:CreditID>ccid:aaatestorganization.org:p20210826-2002</ar:CreditID>
  </ar:CreditCertificate>
<ar:CreditCertificate>
<ar:CreditReceived>
  <hx:activityCertification>ABIM Patient Safety</hx:activityCertification>
  <hx:creditUnit>Point</hx:creditUnit>
  <hx:numberOfCredits>2.5</hx:numberOfCredits>
```

```

    </ar:CreditReceived>
    <ar:CreditID>ccid:aaatestorganization.org:p20210826-2003</ar:CreditID>
    </ar:CreditCertificate>
<ar:CreditCertificate>
<ar:CreditReceived>
    <hx:activityCertification>ABIM Practice Assessment</hx:activityCertification>
    <hx:creditUnit>Point</hx:creditUnit>
    <hx:numberOfCredits>2.5</hx:numberOfCredits>
    </ar:CreditReceived>
    <ar:CreditID>ccid:aaatestorganization.org:p20210826-2004</ar:CreditID>
    </ar:CreditCertificate>
    </ar:Module>
    </ar:Activity>
<ar:XtensibleInfo>
    <ex:learnerRecordAction>add</ex:learnerRecordAction>
    </ar:XtensibleInfo>
    </ar:ActivityReport>
    </ar:ActivityReports>
</accme:ACCME Learner Reports>

```

#### **4) Example of an ACCME Learner Reports file containing a single learner completion for OAREMS:**

```

<?xml version="1.0" encoding="UTF-8"?>
<accme:ACCME Learner Reports xmlns="http://ns.medbiq.org/activityreport/v2/"
xmlns:accme="http://www.accme.org/ACCME Learner Reports"
xmlns:ex="http://www.accme.org/ACCME Learner Report Extension"
xmlns:ar="http://ns.medbiq.org/activityreport/v2/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:lom="http://ltsc.ieee.org/xsd/LOM" xmlns:m="http://ns.medbiq.org/member/v1/"
xmlns:n="http://ns.medbiq.org/name/v1/" xmlns:hx="http://ns.medbiq.org/lom/extend/v1/"
xmlns:a="http://ns.medbiq.org/address/v1/"
xsi:schemaLocation="http://www.accme.org/ACCME Learner Reports ACCME Learner Reports.xsd">
  <ar:ActivityReports>
    <ar:DateTimeCreated>2019-03-01:03:00:00</ar:DateTimeCreated>
    <ar:ActivityReport>
<ar:ReportingOrganization>Western Regional Medical Center</ar:ReportingOrganization>
<Participants>
<Participant>
<LocalIdentifier domain="idd:localid.net">42</LocalIdentifier>
<StateOfPrimaryPractice>Maine</StateOfPrimaryPractice>
<DEARegistration>Individual</DEARegistration>
<Profession>Physician</Profession>
<PracticeArea>General Surgery</PracticeArea>
<SurgicalProcedures>true</SurgicalProcedures>
<TimeInPractice>6-10 years</TimeInPractice>
</Participant>
</Participants>
<ar:Activity>
<ar:ProviderOrganization>0008001</ar:ProviderOrganization>
<ar:ActivityName>200932101</ar:ActivityName>
<RegulatoryInformation>

```

ACCME Learner Data XML File Element Definitions for learner credit

```

<CompliantToRegulation label="Opioid
REMS">http://www.accessdata.fda.gov/drugsatfda_docs/label/2018/OpioidREM2018.pdf</Co
mpliantToRegulation>
</RegulatoryInformation>
<ar:Module>
<ar:ModuleName moduleID="200932101">Managing Opioid Pain Therapy</ar:ModuleName>
<ar:Status>Completed</ar:Status>
<ar:CompletedDateTime>2021-03-01T01:01:01</ar:CompletedDateTime>
</ar:Module>
</ar:Activity>
<ar:XtensibleInfo>
<ex:LearnerRecordAction>add</ex:LearnerRecordAction>
</ar:XtensibleInfo>
</ar:ActivityReport>
</ar:ActivityReports>
  </accme:ACCMELearnerReports>

```

## Appendix D: List of Error Codes

| Code | Description  |
|------|--|
| 601  | Learner record action was not specified.   |
| 602  | Learner record action is not valid.  |
| 603  | Duplicate record (Credit ID was same as a previous record).  |
| 605  | Record not found. Delete action has unknown credit ID.   |
| 606  | Record not found. Combination of diplomate ID, ACCME activity ID, and activity completion date was not found.  |
| 607  | Learner record deletion cannot be accepted by Board.   |
| 621  | Missing diplomate ID.  |
| 622  | Missing diplomate first name.  |
| 623  | Missing diplomate last name.   |
| 624  | Missing diplomate date of birth.   |
| 630  | Missing ACCME activity ID.   |
| 631  | Missing activity completion date.  |
| 632  | Missing MOC points.  |
| 650  | Missing ACCME credit ID.   |
| 661  | Diplomate ID not found in Board records.   |
| 664  | Diplomate date of birth does not match Board record for this diplomate ID.   |
| 665  | Diplomate name does not match Board record.  |
| 670  | Activity ID does not match with a registered MOC activity.   |
| 671  | Activity completion date not valid.  |
| 672  | Activity completion date precedes activity start date.   |
| 673  | MOC points not valid.  |
| 674  | MOC points awarded are greater than amount listed for activity.  |
| 675  | MOC points not in increment of .25   |
| 676  | Invalid activityCertification value.   |
| 677  | Missing creditCertificate element.   |
| 678  | Invalid activity credit certificate. Activity certificate [Activity Certificate Name] allowed once per learner submission record.                                  |
| 680  | Patient safety credit not available for activity.  |
| 681  | Practice assessment credit not available for activity  |
| 690  | ACCME activity ID does not exist   |
| 705  | Due date for reporting participant data has passed. PARS will not accept participant records after the deadline set by the specialty board for the reporting year. |

|     |  |
|-----|--|
| 706 | Deadline for deleting participant data has passed. PARS will not accept deletions of participant records past the date set by the specialty board. |
| 709 | Record is a duplicate for learner completion previously reported to Board.   |
| 710 | Maximum MOC points already granted.  |
| 711 | MOC points reported exceed maximum available to this learner for this activity.  |
| 712 | Learner ID type is not valid.  |
| 713 | Activity registration type is not valid.   |
| 714 | OA REMS required field missing: [name of field]  |
| 715 | OA REMS field [name of field] contains invalid data  |
| 716 | Activity ID does not match a registered OA REMS activity.  |
| 717 | Learner cannot receive MOC credit for multiple completions of this activity on a single date.  |
| 718 | Unable to match a learner with the information provided  |
| 719 | Diplomate birth date not valid.  |
| 720 | Licensing state and licensing ID must be specified together  |
| 721 | Unknown Licensing Board  |
| 722 | CME Credits not valid.   |
| 723 | DEA Registration not valid   |
| 724 | Practice Area not valid  |
| 725 | Practice State not valid   |
| 726 | Profession not valid   |
| 727 | Time in Practice not valid   |
| 728 | Unknown MOC Board  |
| 729 | Missing DEA Registration   |
| 730 | Missing Practice Area  |
| 731 | Missing Practice State   |
| 732 | Missing Profession   |
| 733 | Missing Surgical Procedures  |
| 734 | Missing Time in Practice   |
| 735 | MOC Credit Type not valid  |
| 736 | Unknown REMS   |
| 737 | Record matches multiple Diplomates   |
| 738 | XML is Invalid: Exactly 1 Activity node expected   |
| 739 | XML is Invalid: Exactly 1 Module node expected   |
| 740 | XML is Invalid: Exactly 1 Member node expected   |
| 741 | XML is Invalid: Exactly 1 Name node expected   |
| 742 | XML is Invalid: Exactly 1 BirthDate node expected  |
| 743 | XML is Invalid: Exactly 1 UniqueID node expected   |
| 744 | XML is Invalid: Exactly 1 XtensibleInfo node expected  |
| 745 | XML is Invalid: Exactly 1 Participants node expected   |
| 746 | Missing Activity completion date   |
| 747 | Activity completion date is after activity end date.   |
| 748 | Total AMA Credits cannot be higher than the credits offered  |
| 749 | Learners may not be reported for draft activities  |
| 750 | Learners may not be reported for activities in the future  |
| 751 | Repeat participation is not allowed  |
| 752 | Prescribed in past year missing  |
| 753 | Prescribed in past year not valid  |
| 998 | General learner record processing error.   |