XML Learner File Specifications

Contents

Version History

Version	Date	Notes
2.7	06/10/2025	• Added **Guidance on Submitting Date and Time Data** • Updated DateTimeCreated and CompletedDateTime descriptions and examples .
2.6	01/25/2024	• ABPath IMP to IHCC
2.5	12/05/2023	• Corrected guidance for reporting dual-boarded learners • 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.*
2.4	11/15/2023	Added references for American Board of Thoracic Surgery
2.3	7/11/2023	Added references to American Board of Orthopaedic Surgery
2.2	4/10/2023	Added state abbreviations to appendix
2.1	3/3/2023	Removed references to the American Board of Ophthalmology, who withdrew from the CME for MOC Collaboration.
2.0	11/16/2021	Updated document to detail the new PARS v3 XML learner record format.
1.9	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.
1.8	02/12/2020	Added information for providers participating in the State Pilot Program.
1.7	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.
1.6	01/22/2019	Updated document to include instructions to submit participants for ABO MOC.
1.5	10/11/2018	Updated document to include instructions to submit participants for ABOHNS Continuing Certification.
1.4	07/17/2018	Updated document to include instructions to submit participants for ABPath Continuing Certification.
1.3	04/07/2017	Updated document to include instructions to submit participants for ABIM MOC Part IV (Practice Assessment) Credit.
1.2	11/01/2017	Updated document to include instructions to submit participants for ABA MOCA and ABP MOC credit.
1.1	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 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
ABOS	American Board of Orthopaedic Surgery
ABS	American Board of Surgery's Continuous Certification Program
ABTS	American Board of Thoracic Surgery

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**.

4. **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 learner records**: Any time value provided will be ignored.

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

    Examples:
    ```
    &lt;ar:DateTimeCreated&gt;2025-03-17&lt;/ar:DateTimeCreated&gt;
    &lt;ar:CompletedDateTime&gt;2025-03-17&lt;/ar:CompletedDateTime&gt;
    ```

XML Learner File Specifications

Learner Completion Data Elements

Element Name	Description	Min Occurs	Max Occurs	Type	ACCME Business Rules
ACCMELearnerReports	Super root element container for ActivityReports	1	1	Complex	**ACCMELearnerReports** is the container for all participant completion records.
ActivityReports	Medbiquitous-defined container element. Contains one or more individual ActivityReport elements.	1	1	Complex	
DateTimeCreated	The date the current LearnerReports file was created.	1	1	Date/Time	Use format *yyyy-mm-dd.* (Example: *2021-07-30*)
ActivityReport	Medbiquitous-defined container element.	1	many	Complex	Each ActivityReport element holds data for one learner completing one activity. For XML batch uploads: multiple ActivityReport elements can be included, up to a limit of 2,500 records. 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. (Example: *Western Regional Medical Center*).
Member	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	Learner's Board identification number. Multiple UniqueID entries can appear when the learner completion counts for a certifying board and a state medical licensing board. If reporting for CME, the UniqueID should correspond to the state code entered for Domain e.g., the physician's state license ID or their NPI. 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. Submit separate transactions if the physician is dual boarded (e.g., one transaction for ABP and another transaction for ABIM)
Domain	Attribute of UniqueID. Name of the specialty board, state of licensure or other entity	1	1	String	Name of the certifying board, licensing board, or other entity issuing this uniqueID. Certification values include: *ABIM, ABA, ABP, ABPATH, ABOHNS, ABOS, ABS or ABTS.* Licensing values can indicate the state abbreviation for the state in which the physician is licensed. e.g., *CA*, or *NY*, or *IL*, etc.
Name	Sub-element of Member	1	1	Container	
GivenName		1	1	String	First name of the learner. (Example: *Jill*)
FamilyName		1	1	String	Last name of the learner. (Example: *Smith*)

Element Name	Description	Min Occurs	Max Occurs	Type	ACCME Business Rules
PersonalInfo	Sub-element of Member	0	1	Container	This is optional for ABA and ABP reporting. **Do not include this element if BirthDate is not being reported.**
BirthDate	Sub-element of PersonalInfo. 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*. (Example: *1904-04-15*)
Participants	Container Element	1	1	Container	Only include if for a REMS-registered activity. **Do not include this element if REMS completions are not being reported.**
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 idd: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: idd: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 (Example: *Maine*)

Element Name	Description	Min Occurs	Max Occurs	Type	ACCME Business Rules
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 (Example: *Institutional*)
Profession	The learner's profession.	1	1	String (restricted)	See Appendix B for values (Example: *Physician*)
PracticeArea	The clinical area in which the learner practices.	0	1	String (restricted)	See Appendix B for values (Example: *Anesthesiology*)
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
Activity	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: *0008001*)
ActivityName	Sub-element of Activity identifying the CME activity.	1	1	String	Use the ACCME-issued 9-digit Activity ID number. (Example: *200654321*)
RegulatoryInformation	Sub-element of Activity	1	1	Container	Holds data elements that describe the activity's relationship to any regulations. **Do not include this element if REMS completions are not being reported.**
CompliantToRegulation	Sub-element of RegulatoryInformation. Indicates that the activity described is compliant to a regulation.	1	1	String/URL	For Opioid Analgesic REMS use: *http://www.accessdata.fda.gov/drugsatfda_docs/label/2018/OpioidREM2018.pdf*
label	Attribute of CompliantToRegulation. Labels the regulation.	1	1		For Opioid Analgesic REMS use Opioid REMS. (Example: *Opioid REMS*)

Element Name	Description	Min Occurs	Max Occurs	Type	ACCME Business Rules
Module	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: *Western Regional Conference 2022*)
moduleID	Attribute for ModuleName. The unique identifier for the activity.	1	1	String	Use the ACCME-issued 9-digit Activity ID number. (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 *Completed.* 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-DD*. (Example: *2021-08-01*). Learner completion will be accepted in PARS for the current calendar year and the previous calendar year (ex: 2022 completion can be submitted until 3/31/2024, 2023 to 3/31/2025, 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
CreditCertificate	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 (**See Appendix A for values**) To report additional credit types earned for the activity by the learner, include additional CreditCertificate containers with activityCertification values.
CreditReceived	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. Each board has specific credit language.	1	4 (varies)	String (restricted)	See **Appendix A** for all current activityCertification values. activityCertification must be present in the activity record to pass validation and must match the UniqueId domain of the learner. (Example: *ABA Lifelong Learning* or *ABIM Practice Assessment*)
creditUnit	Describes the unit being awarded. Sub-element of CreditReceived.	1	1	String (restricted)	The only accepted value is *Point*.
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 ccid:*provider domain:provider system unique identifier* (Example:*ccid:WesternRegionalMedicalCenter.org:12345*)
XtensibleInfo	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 *add* for reporting a learner completion. Use *delete* 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	*ABA Lifelong Learning* *ABA Patient Safety**	Each ABA learner record <u>must</u> have one CreditCertificate that includes an activityCertification value of *ABALifelong Learning*. To report patient safety credit, include a second CreditCertificate with an activityCertification value of *ABA Patient Safety*.	**ABA Patient Safety* cannot be submitted on its own. This credit type must be submitted along with *ABA Lifelong Learning.*
ABIM	1	3	*ABIM Medical Knowledge* *ABIM Practice Assessment* *ABIM Patient Safety**	Each ABIM record <u>must</u> have one CreditCertificate that includes an activityCertification value of *ABIM Medical Knowledge* or *ABIM Practice Assessment*. To report ABIM Practice Assessment credit in addition to ABIM Medical Knowledge, include an additional CreditCertificate with an activityCertification value of *ABIM Practice Assessment*. To report ABIM Patient Safety credit, include an additional CreditCertificate with an activityCertification value of *ABIM Patient Safety*.	* *ABIM Patient Safety* cannot be submitted on its own. This credit type must be submitted along with *ABIM Medical Knowledge* and/or *ABIM Practice Assessment.*
ABP	1	1	*ABP Lifelong Learning and Self-Assessment*	Each ABP learner record <u>must</u> have one Credit Certificate that includes an activityCertification of *ABP Lifelong Learning and Self-Assessment.*	

Board	Min	Max	Accepted Values	activityCertification details	Notes
ABPATH	1	3	**ABPATH Lifelong Learning** **ABPATH Improvement in Health and Healthcare***	Each ABPATH learner record must have one CreditCertificate that includes an activityCertification value of *ABPATH Lifelong Learning.* To report ABPATH Improvement in Health and Healthcare (Part IV), include an additional CreditCertificate with an activityCertification of *ABPATH Improvement in Health and Healthcare*	**ABPATH Improvement in Health and Healthcare* credit cannot be submitted on its own. This credit type must be submitted along with *ABPATH Lifelong Learning.*
ABOHNS	1	3	**ABOHNS Self-Assessment** **ABOHNS Improvement in Medical Practice** **ABOHNS Patient Safety***	Each ABOHNS learner record must have one CreditCertificate that includes an activityCertification value of *ABOHNS Self-Assessment* or *ABOHNS Improvement in Medical Practice.* To report ABOHNS Improvement in Medical Practice credit in addition to ABOHNS Self-Assessment, include an additional CreditCertificate with an activityCertification value of *ABOHNS Improvement in Medical Practice.* To report ABOHNS Patient Safety credit, include an additional CreditCertificate with an activityCertification value of *ABOHNS Patient Safety.*	**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.*
ABOS	2	2	**ABOS Accredited CME** **ABOS Self-Assessment Examination**	Each ABOS learner record must have a CreditCertificate that includes an activityCertification value of *ABOS Accredited CME.* To report Self-Assessment Examination credit, include an additional CreditCertificate with an activityCertification value of *ABOS Self-Assessment Examination.*	**All ABOS Self-Assessment Examination* credit must be submitted with *ABOS Accredited CME* credit.

Board	Min	Max	Accepted Values	activityCertification details	Notes
ABS	1	2	**ABS Accredited CME** **ABS Self-Assessment***	Each ABS learner record must have a CreditCertificate that includes an activityCertification value of *ABS Accredited CME.* To report Self-Assessment, include an additional CreditCertificate with an activityCertification value of *ABS Self-Assessment.*	*All *ABS Self-Assessment* credit must be submitted with *ABS Accredited CME* credit.
ABTS	1	4	**ABTS Accredited CME** **ABTS Self-Assessment*** **ABTS Performance in Practice*** **ABTS Patient Safety***	Each ABTS learner record must have a CreditCertificate that includes an activityCertification value of *ABTS Accredited CME.* *To report additional credit types, include an additional CreditCertificate with the corresponding activityCertification value.*	* *ABTS Self-Assessment, ABTS Performance in Practice, and ABTS Patient Safety* credit cannot be submitted on their own. Those credit types must be submitted along with **ABTS Accredited CME.**

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 *AMA PRA Category 1™*.	

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 ACCMELearnerReports 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 ACCMELearnerReports file containing a single learner completion record for ABP Lifelong Learning and Self-Assessment.

```
<accme:ACCMELearnerReports
    xsi:schemaLocation="http://docs.accme.org/schemas/ACCMELearnerReports/v3/
    ACCMELearnerReports.xsd">
<ar:ActivityReports>
 <ar:DateTimeCreated>2021-08-30</ar:DateTimeCreated>
<ar:ActivityReport>
 <ar:ReportingOrganization>AAA Test Organization</ar:ReportingOrganization>
<ar:Member>
 <m:UniqueID domain="ABP">207691</m:UniqueID>
<m:Name>
 <n:GivenName>Willa</n:GivenName>
 <n:FamilyName>Duncan</n:FamilyName>
    </m:Name>
<m:PersonalInfo>
 <m:BirthDate>1904-05-25</m:BirthDate>
    </m:PersonalInfo>
    </ar:Member>
<ar:Activity>
 <ar:ProviderOrganization>1234567</ar:ProviderOrganization>
 <ar:ActivityName>210015726</ar:ActivityName>
<ar:Module>
 <ar:ModuleName moduleID="210015726">Pediatric Grand Rounds Review</ar:ModuleName>
 <ar:Status>Completed</ar:Status>
 <ar:CompletedDateTime>2021-07-06</ar:CompletedDateTime>
<ar:CreditCertificate>
<ar:CreditReceived>
 <hx:activityCertification>ABP Lifelong Learning and Self-Assessment</hx:activityCertification>
 <hx:creditUnit>Point</hx:creditUnit>
 <hx:numberOfCredits>2</hx:numberOfCredits>
```

```
        </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>2021-08-30</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>2021-08-06</ar:CompletedDateTime>
    <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:XtensibleInfo>
```

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

3) Example of an ACCMELearnerReports 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>2021-09-01</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>2021-08-26</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:ACCMELearnerReports>
```

4) Example of an ACCMELearnerReports file containing a single learner completion for OAREMS:

```
<?xml version="1.0" encoding="UTF-8"?>
<accme:ACCMELearnerReports xmlns="http://ns.medbiq.org/activityreport/v2/"
xmlns:accme="http://www.accme.org/ACCMELearnerReports"
xmlns:ex="http://www.accme.org/ACCMELearnerReportExtension"
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/ACCMELearnerReports ACCMELearnerReports.xsd">
 <ar:ActivityReports>
  <ar:DateTimeCreated>2019-03-01</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>
```

```
<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>2021-03-01</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 batch 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.

Code	Description
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.

Appendix E: State Abbreviation Codes

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

State Name	State Abbreviation
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
New Jersey	NJ

State Name	State Abbreviation
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