



XML data format for reporting ABA MOCA 2.0[®] learner data to PARS

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 the American Board of Anesthesiology (ABA) Maintenance of Certification in Anesthesiology (MOCA[®]). The XML schema is based on version 1.0 of the **Medbiquitous ActivityReports** standard.

Some key points:

1. Learner data is being collected in PARS for CME activities which have been registered for Maintenance of Certification in Anesthesiology (MOCA[®]) with the American Board of Anesthesiology (ABA). All learner records must reference a valid ABA diplomate ID. Learner completion data that is not associated with an activity registered for ABA MOCA 2.0 in PARS or lacks a valid ABA diplomate ID will result in file validation errors.
2. 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 http://www.medbig.org/std_specs/standards/index.html. Note that the ActivityReport standard incorporates by reference portions of the Healthcare Professional Profile and Healthcare Learning Objects Metadata (LOM) standards.
3. ACCME has extended the Medbiquitous schema by adding a custom root container (ACCME LearnerReports) and a subelement in the ActivityReport XtensibleInfo element to store metadata related to record transaction operations.
4. 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.
5. If a learner completes an activity for which some, but not all credits count for patient safety, the provider needs to report two ActivityReport records: one that includes the credits earned for patient safety, and another record for the credits that are only applicable to MOCA Part 2.

Learner Completion Data Elements

Element Name	Description	Min Occurs	Max Occurs	Type	ACCME Business Rules
ACCME LearnerReports	Super root element container for ActivityReports	1	1	Complex	ACCME LearnerReports is the container for all participant completion records.
ActivityReports	Medbiquitous-defined container element. Contains one or more individual ActivityReport elements.	1	1	Complex	



XML data format for reporting ABA MOCA 2.0® learner data to PARS

Element Name	Description	Min Occurs	Max Occurs	Type	ACCME Business Rules
DateTimeCreated	The date and time the current LearnerReports file was created.	1	1	Date/Time	Use format yyyy-mm-ddT hh:mm:ss (Example: 2016-07-30T17:00:00)
ActivityReport	Medbiquitous-defined container element.	1	many	Complex	Each ActivityReport element holds data for one learner completing one activity. For XML batch file uploads, multiple ActivityReport elements may be included in a single file. For records submitted using the PARS web services, only 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.
UniqueID	Sub-element of Member.	1	1	String	Learner's Board identification number.
Domain	Attribute of UniqueID. Name of the specialty board or other entity	1	1	String	Name of the specialty board or other entity issuing this uniqueID. (Example: ABA)
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)



XML data format for reporting ABA MOCA 2.0® learner data to PARS

Element Name	Description	Min Occurs	Max Occurs	Type	ACCME Business Rules
PersonallInfo	Sub-element of Member	0	1	Container	Optional for ABA reporting. Do not include this element if BirthDate is not being reported.
BirthDate	Sub-element of PersonallInfo. Month and day of learner's date of birth.	0	1	Date	Optional for ABA reporting. Include month and day. For all records, format as 1904-MM-DD (Example: 1904-04-15). Use 1904 in place of the actual year.
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).
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 2016).
moduleID	Attribute for ModuleName. The unique identifier for the activity.	1	1	String	User 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 <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. If the time of day is not available, report as 00:00:00. (Example: 2016-08-01T00:00:00).



XML data format for reporting ABA MOCA 2.0® learner data to PARS

Element Name	Description	Min Occurs	Max Occurs	Type	ACCME Business Rules
CreditCertificate	Sub-element of Module, holding data elements describing the points awarded to the learner.	1	2	Container	Each record must have one CreditCertificate that includes an activityCertification value of <i>ABA MOCA Part 2</i> (see below). To report patient safety credit, include a second CreditCertificate with an activityCertification value of <i>ABA MOCA Patient Safety</i> .
CreditReceived	Sub-element of CreditCertificate. Defined as the credits element in the Medbiquitous HLOM standard.	1	1	Container	
activityCertification	Identifies the category of points being awarded. Sub-element of CreditReceived.	1	1	String (restricted)	To report ABA MOCA credits, use <i>ABA MOCA Part 2</i> . To report ABA Patient Safety credits, use <i>ABA MOCA Patient Safety</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 points awarded to the learner for this activity completion. Sub-element of CreditReceived.	1	1	Decimal	Numeric value equal to the number of MOC Points/CME credits earned by the learner for this activity.
CreditID	A unique identifier for the credit awarded to the learner. Sub-element of CreditCertificate.	1	1	Uniform resource name (URN)	Format as <i>ccid:provider domain:provider system unique identifier</i> (Example: <i>ccid:AAAtestorganization.org:12345</i>)



XML data format for reporting ABA MOCA 2.0® learner data to PARS

Element Name	Description	Min Occurs	Max Occurs	Type	ACCME Business Rules
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 <i>add</i> for reporting a learner completion. Use <i>delete</i> for reporting the removal of a learner completion record.

Example Records

Following are examples of ACCME Learner Reports records formatted 1) for reporting participant completion of an activity earning MOCA points, and 2) for reporting participant completion of an activity earning MOCA for patient safety points. 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.

- 1) Example of an ACCME Learner Reports file containing a single learner completion record for ABA MOCA reporting.

```
<accme:ACCME Learner Reports xsi:schemaLocation="http://www.accme.org/ACCME Learner Reports
ACCME Learner Reports.xsd">
  <ar:Activity Reports>
    <ar:DateTime Created>2016-07-30T17:00:00</ar:DateTime Created>
    <ar:Activity Report>
      <ar:Reporting Organization>Western Regional Medical Center</ar:Reporting Organization>
      <ar:Member>
        <m:UniqueID domain="ABA">12345678</m:UniqueID>
        <m:Name>
          <n:Given Name>Jill</n:Given Name>
          <n:Family Name>Smith</n:Family Name>
        </m:Name>
        <m:Personal Info>
          <m:Birth Date>1904-11-20</m:Birth Date>
        </m:Personal Info>
      </ar:Member>
    </ar:Activity Report>
  </ar:Activity Reports>
</accme:ACCME Learner Reports>
```



XML data format for reporting ABA MOCA 2.0® learner data to PARS

```
</ar:Member>
<ar:Activity>
  <ar:ProviderOrganization>0008001</ar:ProviderOrganization>
  <ar:ActivityName>200654321</ar:ActivityName>
  <ar:Module>
    <ar:ModuleName moduleID="200654321">Western Regional Conference 2016 </ar:ModuleName>
    <ar:Status>Completed</ar:Status>
    <ar:CompletedDateTime>2016-07-17T12:15:00</ar:CompletedDateTime>
  <ar:CreditCertificate>
    <ar:CreditReceived>
      <hx:activityCertification>ABA MOCA Part 2</hx:activityCertification>
      <hx:creditUnit>Point</hx:creditUnit>
      <hx:numberOfCredits>10</hx:numberOfCredits>
    </ar:CreditReceived>
    <ar:CreditID>ccid:AAATestOrganization.org:12345</ar:CreditID>
  </ar:CreditCertificate>
</ar:Module>
</ar:Activity>
<ar:XtensibleInfo>
  <ex:learnerRecordAction>add</ex:learnerRecordAction>
</ar:XtensibleInfo>
</ar:ActivityReport>
</accme:ACCMELearnerReports>
```



XML data format for reporting ABA MOCA 2.0® learner data to PARS

2) Example of an ACCME LearnerReports file for a learner earning ABA MOCA patient safety credit.

```
<accme:ACCME LearnerReports xsi:schemaLocation="http://www.accme.org/ACCME LearnerReports
  ACCME LearnerReports.xsd">
  <ar:ActivityReports>
    <ar:DateTimeCreated>2016-07-30T17:00:00</ar:DateTimeCreated>
    <ar:ActivityReport>
      <ar:ReportingOrganization>Western Regional Medical Center</ar:ReportingOrganization>
    <ar:Member>
      <m:UniqueID domain="ABA">12345678</m:UniqueID>
      <m:Name>
        <n:GivenName>Jill</n:GivenName>
        <n:FamilyName>Smith</n:FamilyName>
      </m:Name>
      <m:PersonalInfo>
        <m:BirthDate>1904-11-20</m:BirthDate>
      </m:PersonalInfo>
    </ar:Member>
    <ar:Activity>
      <ar:ProviderOrganization>0008001</ar:ProviderOrganization>
      <ar:ActivityName>200654321</ar:ActivityName>
    <ar:Module>
      <ar:ModuleName moduleID="200654321">Western Regional Conference 2016</ar:ModuleName>
      <ar:Status>Completed</ar:Status>
      <ar:CompletedDateTime>2016-07-17T12:15:00</ar:CompletedDateTime>
    <ar:CreditCertificate>
      <ar:CreditReceived>
        <hx:activityCertification>ABA MOCA Part 2</hx:activityCertification>
        <hx:creditUnit>Point</hx:creditUnit>
        <hx:numberOfCredits>10</hx:numberOfCredits>
      </ar:CreditReceived>
      <ar:CreditID>ccid:AAATestOrganization.org:12345</ar:CreditID>
    </ar:CreditCertificate>
  </ar:ActivityReport>
</ar:ActivityReports>
</accme:ACCME LearnerReports>
```



XML data format for reporting ABA MOCA 2.0® learner data to PARS

```
<ar:CreditCertificate>  
<ar:CreditReceived>  
  <hx:activityCertification>ABA MOCA Patient Safety</hx:activityCertification>  
  <hx:creditUnit>Point</hx:creditUnit>  
  <hx:numberOfCredits>10</hx:numberOfCredits>  
  </ar:CreditReceived>  
<ar:CreditID>ccid:AAATestOrganization.org:12346</ar:CreditID>  
  </ar:CreditCertificate>  
  </ar:Module>  
  </ar:Activity>  
<ar:XtensibleInfo>  
  <ex:learnerRecordAction>add</ex:learnerRecordAction>  
  </ar:XtensibleInfo>  
  </ar:ActivityReport>  
</accme:ACCMELearnerReports>
```