

XML data format for reporting 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). The XML schema is based on version 1.0 of the **Medbiquitous ActivityReports** standard.

Some key points:

1. At the present, learner data is being collected in PARS for only CME activities which have been registered for Maintenance of Certification (MOC) with the American Board of Internal Medicine (ABIM). All learner records must reference a valid ABIM diplomate ID. Learner completion data that is not associated with an activity registered for ABIM MOC or with a valid ABIM diplomate ID cannot be uploaded and 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. PARS will accept only one learner completion record per learner per activity per day. In situations where a learner may complete the same activity more than once on the same date (such as internet searching and learning-type activities), the provider should report a single learner completion record containing the total number of MOC points awarded to the learner for the activity on that date.

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	

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: 2015-11-30T17:00:00)
ActivityReport	Medbiquitous-defined container element.	1	many	Complex	Each ActivityReport element holds data for one learner completing one activity. Many ActivityReport elements may be included in a single file.
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 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: ABIM)
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)
PersonallInfo	Sub-element of Member	1	1	Container	
BirthDate	Sub-element of PersonallInfo. Month and day of learner's date of birth.	1	1	Date	Include month and day. For all records, format as 1900-MM-DD (Example: 1900-04-15).
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: 200118847).

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: Endocrine Update 2015).
moduleID	Attribute for ModuleName. The unique identifier for the activity.	1	1	String	User the ACCME-issued 9 digit Activity ID number (Example: 200118847).
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: 2015-08-15T00:00:00).
CreditCertificate	Sub-element of Module, holding data elements describing the points awarded to the learner.	1	2	Container	Separate CreditCertificate elements are needed for awards of MOC points and Patient Safety points.
CreditReceived	Sub-element of CreditCertificate. Defined as the credits element in the Medbiquitous HLOM standard.	1	1	Container	Include only one CreditReceived element per CreditCertificate.
activityCertification	Identifies the category of points being awarded. Sub-element of CreditReceived.	1	1	String (restricted)	Accepted values are <i>ABIM MOC</i> and <i>ABIM MOC Patient Safety</i> . (Example: ABIM MOC Patient Safety)
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 decimal value with up to two digits to the right of the decimal point (Example: 1.75).

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

Example of an ACCME LearnerReports file containing a single learner completion record.

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<accme:ACCME LearnerReports xsi:schemaLocation="http://www.accme.org/ACCME LearnerReports
  ACCME LearnerReports.xsd">
  <ar:ActivityReports>
    <ar:DateTimeCreated>2015-10-20T00:00:00</ar:DateTimeCreated>
    <ar:ActivityReport>
      <ar:ReportingOrganization>AAA Test Organization</ar:ReportingOrganization>
      <ar:Member>
        <m:UniqueID domain="ABIM">999932</m:UniqueID>
        <m:Name>
          <n:GivenName>Jill</n:GivenName>
          <n:FamilyName>Smith</n:FamilyName>
        </m:Name>
        <m:PersonalInfo>
          <m:BirthDate>1900-11-20</m:BirthDate>
        </m:PersonalInfo>
      </ar:Member>
      <ar:Activity>
        <ar:ProviderOrganization>1234567</ar:ProviderOrganization>
        <ar:ActivityName>200118847</ar:ActivityName>
      </ar:Activity>
    </ar:ActivityReport>
  </ar:ActivityReports>
</accme:ACCME LearnerReports>

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<ar:ModuleName moduleID="200118847">Endocrine Update 2015</ar:ModuleName>
<ar:Status>Completed</ar:Status>
<ar:CompletedDateTime>2015-10-17T12:15:00</ar:CompletedDateTime>
<ar:CreditCertificate>
<ar:CreditReceived>
<hx:activityCertification>ABIM MOC</hx:activityCertification>
<hx:creditUnit>Point</hx:creditUnit>
<hx:numberOfCredits>4</hx:numberOfCredits>
  </ar:CreditReceived>
<ar:CreditID>ccid:AAATestOrganization.org:1234</ar:CreditID>
  </ar:CreditCertificate>
<ar:CreditCertificate>
<ar:CreditReceived>
<hx:activityCertification>ABIM MOC Patient Safety</hx:activityCertification>
<hx:creditUnit>Point</hx:creditUnit>
<hx:numberOfCredits>4</hx:numberOfCredits>
  </ar:CreditReceived>
<ar:CreditID>ccid:AAATestOrganization.org:1235</ar:CreditID>
  </ar:CreditCertificate>
  </ar:Module>
  </ar:Activity>
<ar:XtensibleInfo>
<ex:learnerRecordAction>add</ex:learnerRecordAction>
  </ar:XtensibleInfo>
  </ar:ActivityReport>
</accme:ACCMELEarnerReports>

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