



## XML Data Format for Reporting Tennessee 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 Pathology. 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 provided as a part of the Tennessee pilot. All learner records must reference a valid Tennessee license number or National Provider Identifier (NPI).
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. 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.

### Learner Completion Data Elements

Element Name	Description	Min Occurs	Max Occurs	Type	ACCME Business Rules
<b>ACCME LearnerReports</b>	Super root element container for ActivityReports	1	1	Complex	<b>ACCME LearnerReports</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 yyyy-mm-ddThh:mm:ss (Example: 2018-07-30T17:00:00)



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Element Name	Description	Min Occurs	Max Occurs	Type	ACCME Business Rules
<b>ActivityReport</b>	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).
<b>Member</b>	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 Tennessee license number or NPI.
Domain	Attribute of UniqueID. Name of the specialty board or other entity	1	1	String	Name of the ID type. (Example: TN or NPI)
<b>Name</b>	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)
<b>PersonalInfo</b>	Sub-element of Member	1	1	Container	
BirthDate	Sub-element of PersonalInfo. Month and day of learner's date of birth.	1	1	Date	Include month and day. For all records, format as 1904-MM-DD (Example: 1904-04-15). Use 1904 in place of the actual year.



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Element Name	Description	Min Occurs	Max Occurs	Type	ACCME Business Rules
<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: 0008001).
ActivityName	Sub-element of Activity identifying the CME activity.	1	1	String	Use the ACCME-issued 9 digit Activity ID number (Example: 200654321).
<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: Western Regional Conference 2018).
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: 2018-07-01T00:00:00).



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Element Name	Description	Min Occurs	Max Occurs	Type	ACCME Business Rules
<b>CreditCertificate</b>	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>AMA PRA Category 1 Credit</i> .  To report participation in an activity addressing Tennessee' guidelines for opioid education, include a second CreditCertificate with an activityCertification value of <i>TN Pain Management</i> .
<b>CreditReceived</b>	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 <i>AMA PRA Category 1 Credits™</i> , use <i>AMA PRA Category 1</i> .  To report Pain Management credits, use <i>TN Pain Management</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 (Example: 1.75).



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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: <i>ccid:AAAtestorganization.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. Use <i>delete</i> for reporting the removal of a learner completion record.

### Example Records

Following are examples of ACCME LearnerReports records formatted 1) for reporting participant completion of an activity earning AMA PRA Category 1 Credit™, and 2) for reporting participant completion of an activity also earning credit for Tennessee's opioid management education. 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 LearnerReports file containing a single learner completion record for Tennessee reporting.

```
<accme: ACCME LearnerReports xsi: schemaLocation="http://www.accme.org/ACCME LearnerReports
  ACCME LearnerReports.xsd" >
  <ar: ActivityReports >
    <ar: DateTimeCreated >2018-05-29T17:00:00</ar: DateTimeCreated >
    <ar: ActivityReport >
      <ar: ReportingOrganization >Western Regional Medical Center</ar: ReportingOrganization >
    <ar: Member >
      <m: UniqueID domain="TN" >12345678</m: UniqueID >
    <m: Name >
```



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```
<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 2018</ar: ModuleName>
  <ar: Status>Completed</ar: Status>
  <ar: CompletedDateTime>2018-02-17T12:15:00</ar: CompletedDateTime>
<ar: CreditCertificate>
<ar: CreditReceived>
  <hx: activityCertification>AMA PRA Category 1 Credit</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>
  </ar: ActivityReports>
</accme: ACCMELearnerReports>
```



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2) Example of an ACCME Learner Reports file for a learner earning pain management credit for Tennessee.

```
<accme:ACCME LearnerReports xsi:schemaLocation="http://www.accme.org/ACCME LearnerReports
  ACCME LearnerReports.xsd">
  <ar:ActivityReports>
    <ar:DateTimeCreated>2018-05-29T17:00:00</ar:DateTimeCreated>
    <ar:ActivityReport>
      <ar:ReportingOrganization>Western Regional Medical Center</ar:ReportingOrganization>
    <ar:Member>
      <m:UniqueID domain="NPI">1234567890</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 2018</ar:ModuleName>
      <ar:Status>Completed</ar:Status>
      <ar:CompletedDateTime>2018-02-17T12:15:00</ar:CompletedDateTime>
    <ar:CreditCertificate>
      <ar:CreditReceived>
        <hx:activityCertification>AMA PRA Category 1 Credit</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>
```



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```
<ar:CreditCertificate>  
<ar:CreditReceived>  
  <hx:activityCertification>TN Pain Management</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>  
  </ar:ActivityReports>  
</accme:ACCMELearnerReports>
```





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### Appendix A: Test Learners

The following table contains a list of learner identities that can be used for testing purposes. ACCME asks that all test data be submitted in the PARS sandbox environment (<http://sandboxpars.accme.org>). No test data should be submitted in production. For access to the PARS sandbox, please contact [info@accme.org](mailto:info@accme.org).

First Name	Last Name	DOB	TN Board ID	NPI
Sarah	Test	01/01	555555	8888888888
Rebecca	Test	02/01	444444	7777777777
Edward	Test	03/01	666666	N/A
Jennifer	Test	04/01	777777	N/A
Helen	Markman	01/01	999999999	1234567890