



## XML Data Format for Reporting Learner Data to PARS for Licensing

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 state medical board pilot. The XML schema is based on version 1.0 of the **Medbiquitous ActivityReports** standard.

### Version History

Version	Date	Notes
1.3	8/5/2019	Added Instructions to submit participants for ME licensing requirements
1.2	11/15/2018	Added instructions to submit participants for NC licensing requirements.
1.1	7/20/2018	Took document for XML MOC submission to create this version which includes instructions to submit participants for TN licensing requirements.

Some key points:

1. Learner data is being collected in PARS for CME activities provided as a part of the state medical board pilot. All learner records must reference a valid license number in Tennessee North Carolina, or Maine or a valid 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 (ACCMELearnerReports) 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.



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### 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-ddT hh:mm:ss</i> (Example: 2018-07-30T17:00:00)
<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 state license number or NPI.



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Element Name	Description	Min Occurs	Max Occurs	Type	ACCME Business Rules
Domain	Attribute of UniqueID. Name of the specialty board or other entity	1	1	String	Name of the ID type. (Example: TN, NC, ME 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.
<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.



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Element Name	Description	Min Occurs	Max Occurs	Type	ACCME Business Rules
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).
<b>CreditCertificate</b>	Sub-element of Module, holding data elements describing the points awarded to the learner.	1	3	Container	<p>Each record must have one CreditCertificate that includes an activityCertification value of <i>AMA PRA Category 1 Credit</i>.</p> <p>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>.</p> <p>To report participation in an activity addressing North Carolina's guidelines for controlled substance prescribing, include a second CreditCertificate with an activityCertification value of <i>NC Controlled Substance</i></p> <p>To report participation in an activity addressing Maine's guidelines for opioid prescribing, include a second CreditCertificate with an activityCertification value of <i>ME Prescribing of Opioid Education</i></p>



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Element Name	Description	Min Occurs	Max Occurs	Type	ACCME Business Rules
<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)	<p>To report <i>AMA PRA Category 1 Credits™</i>, use <i>AMA PRA Category 1</i>.</p> <p>To report Pain Management credits, use <i>TN Pain Management</i>.</p> <p>To report Controlled Substance credits, use <i>NC Controlled Substance</i>.</p> <p>To report Opioid Prescribing credits, use <i>ME Prescribing of Opioid Education</i>.</p>
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).
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> )



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Element Name	Description	Min Occurs	Max Occurs	Type	ACCME Business Rules
<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™ using the license number and 2) for reporting participant completion of an activity also earning credit for Tennessee's opioid management education using the NPI. 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 North Carolina 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="NC">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>
```



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```
</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 *AMA PRA Category 1 Credit™* and 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:Module>
        <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:Activity>
    </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: ACCME Learner Reports>
```



## XML Data Format for Reporting Learner Data to PARS for Licensing

### 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

First Name	Last Name	DOB	NC Board ID	NPI
Marcie	Test	06/01	999998	N/A
Sarah	Test	01/01	999995	8888888888
Rebecca	Test	02/01	999994	7777777777
Traci	Test	07/01	999993	1111111111

First Name	Last Name	DOB	ME Board ID	NPI
Sarah	Test	01/01	MD9988	8888888888
Rebecca	Test	02/01	MD9977	7777777777
Traci	Tester	12/01	MD9966	N/A
Jules	Testing	11/01	MD9944	N/A