



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 (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.

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 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 |
|-----------------------|---|------------|------------|-----------|---|
| ActivityReport | Medbiquitous-defined container element. | 1 | many | Complex | <p>Each ActivityReport element holds data for one learner completing one activity.</p> <p>For XML batch file uploads, multiple ActivityReport elements may be included in a single file.</p> <p>For records submitted using the PARS web services, only a single ActivityReport element should be included.</p> |
| 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 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) |
| 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) |
| PersonalInfo | 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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|----------------------|--|------------|------------|---------------------|--|
| 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 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 |
|--------------------------|---|------------|------------|---------------------|--|
| CreditCertificate | Sub-element of Module, holding data elements describing the points awarded to the learner. | 1 | 2 | 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> |
| 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) | <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> |
| 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>) |
| 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 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>
</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>  
</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.

| 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 |