



XML data format for reporting ABOHNS 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 Otolaryngology – Head and Neck Surgery. 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 for the American Board of Otolaryngology – Head and Neck Surgery (ABOHNS). All learner records must reference a valid ABOHNS diplomate ID. Learner completion data that is not associated with an activity registered for ABOHNS in PARS or lacks a valid ABOHNS 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. 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.
5. If a learner completes an activity for which some, but not all credits count as a Self-Assessment Module (SAM), the provider needs to report two ActivityReport records: one that includes the credits earned for SAM, and another record for the credits that are only applicable to Lifelong Learning.

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	



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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 <i>yyyy-mm-ddThh:mm:ss</i> (Example: 2018-07-30T17:00:00)
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.
UniquelD	Sub-element of Member.	1	1	String	Learner's Board identification number.
Domain	Attribute of UniquelD. Name of the specialty board or other entity	1	1	String	Name of the specialty board or other entity issuing this uniqueID. (Example: ABOHNS)
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)



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Element Name	Description	Min Occurs	Max Occurs	Type	ACCME Business Rules
PersonallInfo	Sub-element of Member	0	1	Container	Optional for ABOHNS 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 ABOHNS 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 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: 2018-08-01T00:00:00).



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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	3	Container	<p>Each record must have one CreditCertificate that includes an activityCertification value of <i>ABOHNS MOC Part II</i> (see below).</p> <p>To report ABOHNS Patient Safety credit, include a second CreditCertificate with an activityCertification value of <i>ABOHNS MOC Patient Safety</i>.</p> <p>To report Improvement in Medical Practice (Part IV), include an additional CreditCertificate with an activityCertification of <i>ABOHNS MOC Part IV</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 ABOHNS Lifelong learning credits, use <i>ABOHNS MOC Part II</i>.</p> <p>To report ABOHNS Patient Safety credits, use <i>ABOHNS MOC Patient Safety</i></p> <p>To report ABOHNS's Improvement in Medical Practice (Part IV) credits, use <i>ABOHNS MOC Part IV</i></p>



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Element Name	Description	Min Occurs	Max Occurs	Type	ACCME Business Rules
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>)
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 lifelong learning credits, 2) for reporting participant completion of an activity earning improvement in medical practice credits, 3) for reporting participant completion of an activity earning MOC credit for improvement in lifelong learning, improvement in medical practice, and patient safety. 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 ABOHNS lifelong learning (Part II) reporting.

```
<ar:ActivityReports>
  <ar:DateTimeCreated>2018-02-16T03:00:00</ar:DateTimeCreated>
  <ar:ActivityReport>
```



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```
<ar:ReportingOrganization>Western Regional Medical Center</ar:ReportingOrganization>
<ar:Member>
  <m:UniqueID domain="ABOHNS">999555</m:UniqueID>
  <m:Name>
    <n:GivenName>Scott</n:GivenName>
    <n:FamilyName>Joplin</n:FamilyName>
  </m:Name>
  <m:PersonallInfo>
    <m:BirthDate>1904-11-24</m:BirthDate>
  </m:PersonallInfo>
</ar:Member>
<ar:Activity>
  <ar:ProviderOrganization>0008001</ar:ProviderOrganization>
  <ar:ActivityName>200929749</ar:ActivityName>
  <ar:Module>
    <ar:ModuleName moduleID="200929749">ABOto test course</ar:ModuleName>
    <ar:Status>Completed</ar:Status>
    <ar:CompletedDateTime>2018-02-15T01:01:01</ar:CompletedDateTime>
    <ar:CreditCertificate>
      <ar:CreditReceived>
        <hx:activityCertification>ABOHNS MOC Part II</hx:activityCertification>
        <hx:creditUnit>Point</hx:creditUnit>
        <hx:numberOfCredits>6</hx:numberOfCredits>
      </ar:CreditReceived>
      <ar:CreditID>ccid:wrmc.org:10026</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 LearnerReports file for a learner earning ABOHNS lifelong learning (Part II) and improvement in medical practice (Part IV) credit.

```
<?xml version="1.0" encoding="utf-8"?>
<accme: ACCME LearnerReports xmlns="http://ns.medbiq.org/activityreport/v1/"
xmlns:accme="http://www.accme.org/ACCME LearnerReports"
xmlns:ex="http://www.accme.org/ACCME LearnerReportExtension" xmlns:ar="http://ns.medbiq.org/activityreport/v1/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:lom="http://ltsc.ieee.org/xsd/LOM"
xmlns:m="http://ns.medbiq.org/member/v1/" xmlns:n="http://ns.medbiq.org/name/v1/"
xmlns:hx="http://ns.medbiq.org/lom/extend/v1/" xmlns:a="http://ns.medbiq.org/address/v1/"
xsi:schemaLocation="http://www.accme.org/ACCME LearnerReports ACCME LearnerReports.xsd">
  <ar: ActivityReports>
    <ar: DateTimeCreated>2018-02-16T03:00:00</ar: DateTimeCreated>
    <ar: ActivityReport>
      <ar: ReportingOrganization>Western Regional Medical Center</ar: ReportingOrganization>
      <ar: Member>
        <m: UniqueID domain="ABOHNS">999555</m: UniqueID>
        <m: Name>
          <n: GivenName>Clara</n: GivenName>
          <n: FamilyName>Schumann</n: FamilyName>
        </m: Name>
        <m: PersonalInfo>
          <m: BirthDate>1904-09-13</m: BirthDate>
        </m: PersonalInfo>
      </ar: Member>
      <ar: Activity>
        <ar: ProviderOrganization>0008001</ar: ProviderOrganization>
        <ar: ActivityName>200929749</ar: ActivityName>
        <ar: Module>
          <ar: ModuleName moduleID="200929749">ABOto test course</ar: ModuleName>
          <ar: Status>Completed</ar: Status>
          <ar: CompletedDateTime>2018-02-15T01:01:01</ar: CompletedDateTime>
          <ar: CreditCertificate>
```



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```
<ar: CreditReceived >
  <hx: activityCertification>ABOHNS MOC Part II </hx: activityCertification >
  <hx: creditUnit >Point</hx: creditUnit >
  <hx: numberOfCredits>6</hx: numberOfCredits >
</ar: CreditReceived >
<ar: CreditID>ccid: wrmc.org: 10024 </ar: CreditID >
</ar: CreditCertificate >
<ar: CreditCertificate >
  <ar: CreditReceived >
    <hx: activityCertification>ABOHNS MOC Part IV </hx: activityCertification >
    <hx: creditUnit >Point</hx: creditUnit >
    <hx: numberOfCredits>6</hx: numberOfCredits >
  </ar: CreditReceived >
  <ar: CreditID>ccid: wrmc.org: 10025 </ar: CreditID >
</ar: CreditCertificate >
</ar: Module >
</ar: Activity >
<ar: XtensibleInfo >
  <ex: LearnerRecordAction >add </ex: LearnerRecordAction >
</ar: XtensibleInfo >
</ar: ActivityReport >
</ar: ActivityReports >
</accme: ACCME LearnerReports >
```

- 3) Example of an ACCME LearnerReports file for a learner earning ABOHNS lifelong learning (Part II), improvement in medical practice (Part IV), and patient safety credit.

```
<?xml version="1.0" encoding="utf-8"?>
<accme:ACCME LearnerReports xmlns="http://ns.medbiq.org/activityreport/v1/" xmlns:accme="http://www.accme.org/ACCME LearnerReports"
xmlns:ex="http://www.accme.org/ACCME LearnerReportExtension" xmlns:ar="http://ns.medbiq.org/activityreport/v1/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:lom="http://ltsc.ieee.org/xsd/LOM" xmlns:m="http://ns.medbiq.org/member/v1/"
xmlns:n="http://ns.medbiq.org/name/v1/" xmlns:hx="http://ns.medbiq.org/lom/extend/v1/" xmlns:a="http://ns.medbiq.org/address/v1/"
xsi:schemaLocation="http://www.accme.org/ACCME LearnerReports ACCME LearnerReports.xsd">
```




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```
<ar:ActivityReports>
  <ar:DateTimeCreated>2018-02-16T03:00:00</ar:DateTimeCreated>
  <ar:ActivityReport>
    <ar:ReportingOrganization>Western Regional Medical Center</ar:ReportingOrganization>
    <ar:Member>
      <m:UniqueID domain="ABOHNS">999444</m:UniqueID>
      <m:Name>
        <n:GivenName>Felix</n:GivenName>
        <n:FamilyName>Mendelssohn</n:FamilyName>
      </m:Name>
      <m:PersonalInfo>
        <m:BirthDate>1904-02-03</m:BirthDate>
      </m:PersonalInfo>
    </ar:Member>
    <ar:Activity>
      <ar:ProviderOrganization>0008001</ar:ProviderOrganization>
      <ar:ActivityName>200929749</ar:ActivityName>
      <ar:Module>
        <ar:ModuleName moduleID="200929749">ABOto test course</ar:ModuleName>
        <ar:Status>Completed</ar:Status>
        <ar:CompletedDateTime>2018-02-15T01:01:01</ar:CompletedDateTime>
        <ar:CreditCertificate>
          <ar:CreditReceived>
            <hx:activityCertification>ABOHNS MOC Part II</hx:activityCertification>
            <hx:creditUnit>Point</hx:creditUnit>
            <hx:numberOfCredits>6</hx:numberOfCredits>
          </ar:CreditReceived>
          <ar:CreditID>ccid:wrmc.org:10028</ar:CreditID>
        </ar:CreditCertificate>
        <ar:CreditCertificate>
          <ar:CreditReceived>
            <hx:activityCertification>ABOHNS MOC Part IV</hx:activityCertification>
            <hx:creditUnit>Point</hx:creditUnit>
            <hx:numberOfCredits>6</hx:numberOfCredits>
          </ar:CreditReceived>
          <ar:CreditID>ccid:wrmc.org:10029</ar:CreditID>
        </ar:CreditCertificate>
      </ar:Module>
    </ar:Activity>
  </ar:ActivityReport>
</ar:ActivityReports>
```



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```
</ar:CreditCertificate>
<ar:CreditCertificate>
  <ar:CreditReceived>
    <hx:activityCertification>ABOHNS MOC Patient Safety</hx:activityCertification>
    <hx:creditUnit>Point</hx:creditUnit>
    <hx:numberOfCredits>6</hx:numberOfCredits>
  </ar:CreditReceived>
  <ar:CreditID>ccid.wrmc.org:10030</ar:CreditID>
</ar:CreditCertificate>
</ar:Module>
</ar:Activity>
<ar:XtensibleInfo>
  <ex:LearnerRecordAction>add</ex:LearnerRecordAction>
</ar:XtensibleInfo>
</ar:ActivityReport>
</ar:ActivityReports>
</accme:ACCMELearnerReports>
```