PARS Activity XML File Specification

Contents

Version History

Version	Date	Notes
2.8	01/2/2024	ABPath change is now live. Made other formatting updates.
2.7	12/05/2023	Updated document regarding ABPATH name change for credit type *ABPATH Improvement in Medical Practice* to *ABPATH Improvement in Health and Healthcare. This change will be effective at 9am central on January 25, 2024.*
2.6	11/15/2023	Added references for American Board of Thoracic Surgery (ABTS)
2.5	07/11/2023	Added references for American Board of Orthopaedic Surgery (ABOS), including new error message specific to ABOS.
2.4	04/10/2023	Added state abbreviations
2.3	03/03/2023	Removed references to American Board of Ophthalmology, who withdrew from the CME for MOC Collaboration.
2.2	01/31/2023	Updated link to ABA MOCA Content Outline document, excel version.
2.1	11/30/2022	Updated document to reflect updated values for the new PARS v3 XML format; clarified outcome measures value; added Bariatric Surgery for ABS.
2.0	11/16/2021	Updated document to detail the new PARS v3 XML record format.
1.3	05/20/2020	Updated ABPath practice area selections
1.2	04/23/2020	-Allowed uploads listing both ACCME Activity ID and Provider Activity ID to be accepted by PARS -Removed restrictions to allow ABO activities to be registered for both Improvement in Medical Practice and Patient Safety
1.1	08/13/2019	Combined Activity XML File Specifications for registering activities in PARS to include MOC/CC registration for ABIM, ABP, ABA, ABPath, ABOHNS, and ABO into a single document.

Introduction

XML stands for eXtensible Markup Language. It is a computer language designed to structure and transmit data over the Internet. The Program and Activity Reporting System (PARS) includes a data upload tool that accepts XML files formatted to conform with the Medical Education Metrics (MEMS) XML standard created by the MedBiquitous Consortium. This tool will enable PARS to collect information in a manner that is consistent with the data communications standards being adopted by medical education content providers. Accredited providers whose CME activity tracking systems can export data to XML files may wish to explore this option for transmitting records to PARS.

The purpose of this document is to describe the ACCME's adaptation of MEMS. These instructions are intended for an audience that is familiar with XML, specifically, the information technology staff who support CME departments. It is beyond the scope of these instructions to describe how to create or edit XML files in general, or how to export data from specific CME tracking systems.

The batch upload function in PARS offers providers the ability to add or update multiple activity records from a single file containing data that has been exported from another tracking system. In order to successfully upload data, it is critical that providers properly "map" the necessary data from their system into the file format described in this document. Technical understanding of creating XML-formatted files is assumed.

The PARS XML Activity File Specification is an adaptation of the MEMS standard that has been created by the MedBiquitous Consortium. MEMS in turn incorporates another XML specification, the Healthcare Learning Object Model (Healthcare LOM), which is also published by MedBiquitous. Further information on these specifications can be found at https://www.medbiq.org/standards, and it is recommended that implementers review this material in detail.

This document does not define or describe MEMS; rather, it explains how ACCME has extended MEMS and how it will interpret the data fields in a MEMS-conformant data record.

Below is a discussion of several key concepts about the way PARS manages activity records. Understanding these concepts will be helpful throughout your work with the system.

Program Summary: The ACCME requires that providers complete an annual Program Summary, which summarizes programmatic income for the year. The Program Summary cannot be completed using batch upload or API functionality and must be manually completed in PARS.

Maintenance of Certification: Accredited CME providers have the option to register activities for those certifying boards participating in CME in support of MOC using the PARS XML batch upload process. Activities being registered for MOC must fulfill the requirements for the given board's MOC program. Information about CME in support of MOC, including links to each board's requirements, is available at http://www.accme.org/cme-support-moc. Further information about formatting XML activity record to include MOC data can be found in Appendix E.

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Activity XML Changes for v3 PARS

Adding and Updating activity records: In a significant change from previous versions of the API, the v3 PARS activity XML record format includes an element for specifying the activity record transaction. Every record must include "Add", "Update", or "Delete". PARS will reject records with transactions that conflict with data in the system such as an "Add" for an activity that already exists, or an "Update" or "Delete" for an activity that cannot be matched given the information included in the record.

Activity record status: Another significant change from previous versions of PARS is the use of multiple activity status values. These statuses are briefly described below. This document will detail the data required for an activity record to have the "Active" and subsequent statuses. Note that the "Closed" status is intended to indicate that the activity has been completed and that all information in PARS for it is final. Once an activity record is set to "Closed", PARS will not accept further record transactions for that activity. The "Closed" status requires an explicit indication to be sent to PARS.

DRAFT: A draft activity is generally an activity that is not yet available to learners, or that does not have enough information provided in PARS to be considered active.

ACTIVE: If the end date of the activity is not in the past, and if all required fields have been entered, the activity will have Active status.

READY TO CLOSE: Once the end date of an activity is in the past the activity status changes automatically to Ready to Close status. At this point, if all fields have been entered, you can enter your final total learner counts and provide final details around commercial support and close your activity.

CLOSED: Once all required fields are complete and you have updated your total learner counts, you will actively change the status of your activities to Closed. **_The system does not do this_**, since it doesn't know when your learner counts and other details are final. You will be able to set activities to closed status individually, in bulk manually, or by selecting the applicable activities or via any of the batch or web services methods.

Activity description: This field is a required field in the v3 PARS activity XML.

Credit claim date: This is a new, required field for activities registered for MOC/CC.

ReportingYear: This field has been deprecated and is no longer used. This change impacts a number of factors, especially the way that multi-year activities are handled. In legacy PARS a multi-year activity would be reflected as separate activities for each reporting year – each activity would have a unique ACCME activity id, but often with the same provider activity id. With the PARS upgrade, multi-year activities should only have a single activity with a start date and end date that reflect the total duration of the activity (not to exceed 3 years). As an example – in legacy PARS an enduring material that was offered in 2020, 2021 and 2022 would have 3 separate activity records in PARS – one for each year – with each having a unique ACCME activity id, but likely having the same provider activity id. The new version of PARS expects one activity record with a start date in 2020 and an end date in 2022. Technical teams should coordinate these changes closely with their business stakeholder(s).

Reporting Start Date: The year portion of this date value should be the same as the year of the activity start date.

Reporting End Date: The year portion of this date value should be the same as the year of the activity end date.

XML File Specification Details

This document is a guide for those who wish to upload activities to PARS using XML-formatted data. This document explains ACCME's usage and customization of the **Medbiquitous MEMS** and **Healthcare LOM** standards and specific ACCME business rules and requirements.

Some key points:

1. ACCME did not change the format or structure of the Medbiquitous MEMS, except for 1) the addition of a new super root element called ACCMEActivities, 2) the ACCME customization of the XtensibleInfo element tocollect data for PARS-specific purposes, and 3) the uniqueElementName attribute is necessary for healthcaremetadata.

2. Any rules specified in the **ACCME Business Rules** column will be validated by PARS during the XML file upload process. These rules will not be enforced through the use of the Medbiquitous XSD templates.

3. This specification only includes the data elements that will be captured and uploaded by ACCME into PARS. For complete documentation on all data elements that are supported by the Medbiquitous standard, please refer to the Medbiquitous website https://www.medbiq.org/standards.

4. Any data elements present in the XML file that are not used by ACCME must still conform to the structure and rules specified in the Medbiquitous XSD template. However, ACCME will not capture and upload this data into PARS.

5. For Boolean types, only lowercase "true" and "false" are accepted as validly formatted.

ACCME Activities

ACCMEActivities is a new super root element for the MedicalEducationMetrics element. This super root element was created by ACCME to allow more than 1 MedicalEducationMetrics element to be contained within a single XML file.

Element Name	Description	Min Occurs	Max Occurs	Type	Enumeration	ACCME Business Rules
ACCMEActivities	Super root element that contains 1 or more instances of MedicalEducationMetrics.	1	1	complex	-	-

Element Name	Description	Min Occurs	Max Occurs	Type	Enumeration	ACCME Business Rules
MedicalEducationMetrics	Medbiquitous-defined container element for each activity. ACCME allows more than one to occur within the ACCMEActivities container. Refer to medicalEducationMetrics for sub-elements within this container.	1	Unbounded	MedicalEducationMetricstype	-	-

MedicalEducationMetrics

ACCME did not change the XSD template for this element. Any special ACCME data rules will be enforced by the ACCME Program and Activity Reporting System file upload process, not via the XSD template.

Element Name	Description	ACCME Business Rules
MedicalEducationMetrics	Container element for each activity. ACCME allows more than one to occur within the ACCMEMedicalEducationMetrics container.	-
ReportDescription	Container element	-
ReportingStartDate	For ACCME, the year portion of this value is expected to coincide with the year of the activity start date.	This value should be aligned with the activity start date - minimally the year portion of the value should coincide with the year of the activity start date. -
ReportingEndDate	For ACCME, the year portion of this value is expected to coincide with the year of the activity end date.	This value should be aligned with the activity end date - minimally the year portion of the value should coincide with the year of the activity end date.
ActivityDescription	Container element. Refer to ActivityDescription for sub-elements within this container	
Lom	Container element. Refer to lom for sub-elements within this container	-
healthcareMetadata	Container element Healthcare Learning Object Metadata Standard.	-
healthcareEducation	Container element. Refer to healthcareEducation for sub-elements within this container.	-

Element Name	Description	ACCME Business Rules
PartcipationMetrics	Container element. Refer to participationMetrics for sub-elements within this container.	-
XtensibleInfo	Container element that contains ACCME-specific data elements. Refer to XtensibleInfo for sub-elements within this container.	-

ActivityDescription

ACCME did not change the XSD template for this element. Any special ACCME data rules will be enforced by the ACCME Program and Activity Reporting System file upload process, not via the XSD template.

Element Name	Description	ACCME Business Rules
ActivityDescription	Container element	-
Lom	Container element. Refer to lom for sub-elements within this container	-
commercialSupportAmount	Indicates the amount of commercial support received from a single source. This amount must be a whole number (no decimal values allowed). This sub-element has the following attributes: 1. *currency* – Currency of the amount indicated. 2. *supportSource*- Organization that is the source of commercial support.	-ACCME is interested in commercial support amounts in USD currency only. All other income specified in non-USD currencies will be ignored. -Include a separate instance of this element for each source of monetary commercial support -ACCME expects a USD currency amount >= 0. - See Appendix I for a list of commercial support source names.

Lom (Learning Object Model)

ACCME did not change the XSD template for this element. Any special ACCME data rules will be enforced by PARS file upload process, not via the XSD template.

Element Name	Description	ACCME Business Rules
Lom	Container element. This element is from the IEEE Learning Object Model (LOM) standard.	-

Element Name	Description	ACCME Business Rules
healthcareMetadata	Container element Healthcare Learning Object Metadata Standard.	-
general	Container element.	-
identifier	Container element.	-ACCME requires at least 2 *identifier* elements per activity. - "Provider Activity ID" must be used when adding a new activity record. "Provider Activity ID" should be an internal identifier that your system assigns to uniquely identify an activity. Either "Provider Activity ID" or "ACCME Activity ID" or both can be used when updating an existing activity record. - "URL" is required for an activity to have the status of "active".. -"ACCME Activity ID" is assigned by PARS. It can be included for updating or deleting an existing activity record.
Catalog	Type of unique identifier.	-
Entry	Unique identifier for the activity.	- If catalog = "ACCME Activity ID", it is assumed that *entry* is unique in the entire system. - If catalog = "Provider Activity ID", it is assumed that *entry* is unique within the provider organization. **-** If catalog = "URL", the entry should be the full web address for a page with information about the CME activity, or the web page for the accredited CME provider or its parent organization, if the activity does not have an individual URL. The URL value does not need to be unique for each activity record.
Title	Name of the learning activity.	-
description	Description of the content of the activity.	-Maximum characters allowed is 2,500. This field is required in the v3 PARS XML schema
keyword	Element for collecting the MOCA Content Outline data. For the list of ABA MOCA Content Outline entries, please visit http://www.theaba.org/PDFs/MOCA/MOCAContentOutline or https://accme.org/publications/aba-moca-excel-content-outline-2023	**This element and corresponding sub-elements are only used when registering an activtity for ABA MOCA.** -Either one or two Content Outline entries are required for activities registered for MOCA. Each Content Outline selection requires three separate keyword elements in the XML record, one each with the id values "Level 3 ID", "Tag ID", and "Free Text". All three keyword elements must appear for each Content Outline entry.

Element Name	Description	ACCME Business Rules
Id	Attribute used to designate the portion of the Content Outline entry included in this keyword.	-"Level 3 ID": the string value for the keyword with this id is the level 3 identifier number for the MOCA Content Outline entry. – "Tag ID": the string value for the keyword with this id is the tag identifier number for the MOCA Content Outline entry. Reporting a tag is optional, but a keyword for "Tag ID" must be included. The string value is left blank if no tag is reported. – "Free Text": the string value for the keyword with this id is the brief text description of the educational content. The string value is left blank if free text is not being reported.
Source	Attribute used to indicate the Content Outline selection to which this keyword belongs.	-"01_ABAMCO" for the three keywords associated with the first Content Outline selection. - "02_ABAMCO" for the three keywords associated with a second Content Outline selection.
String	Attribute of keyword.	-Values to include for each keyword vary, please see the description of the id attribute above.

HealthcareEducation

ACCME did not change the XSD template for this element. Any special ACCME data rules will be enforced by the ACCME Program and Activity Reporting System file upload process, not via the XSD template.

Element Name	Description	ACCME Business Rules
healthcareEducation	Contains healthcare specific metadata for educational offerings.	-
credits	Container element.	-
nonAccreditedProvider	The educational provider for this activity that is not the accredited provider. Jointly provided activities have a non-accredited provider. Repeat instances of this element for activities that have multiple joint providers.	-If an activity is jointly provided (has an *activitySponsorship* value of "joint"), include a separate *nonAccreditedProvider* element for each joint provider.
activityCertification	Identifies the category of credit awarded for the activity by the accredited medical education organization.	-Use the value "AMA PRA Category 1" for activities that are accredited to offer AMA PRA Category 1 credits for physician learners.
numberOfCredits	Number of continuing education credits associated with the activity.	-
activityLocation	Indicates geographical location where an in-person activity takes place.	-

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Element Name	Description	ACCME Business Rules
city	Indicates city where in-person activity takes place.	-Check that city is present depending on the *activityFormat* value.
Stateorprovince	Indicates state where in-person activity takes place.	-Check that stateorprovince is present depending on the *activityFormat* value. -If *country* is the USA, check that state is a valid two-letter state.
Country	Indicates country where in-person activity takes place.	-The country should be a valid 3-letter country code. See Appendix C for a list of country codes.
startDateTime	Indicates the date and time an activity begins.	-ACCME will ignore the time portion of *startDateTime* **Note**: The MedBiquitous format requires that the startDateTime value must include BOTH the date and time components even though the ACCME upload process ignores the time portion of the value. Example: 2021-08-30T00:00:00.
endDateTime	Indicates the date and time an activity ends, or is no longer available for use by learners.	-ACCME will ignore the time portion of endDateTime **Note**: endDateTime value must include BOTH the date and time components even though the ACCME upload process ignores the time portion of the value. Example: 2021-08-31T00:00:00
activitySponsorship	Providership. Valid values are "direct" or "joint".	-Definition: A directly provided activity is planned, implemented and evaluated by the accredited provider. Include co-provided activities (provided by two accredited providers) in this category if you are the accredited provider awarding the credit. In contrast, a jointly provided activity is one that is planned, implemented and evaluated by the accredited provider and one or more non-accredited entities.
activityFormat	Indicates the type of learning activity. ACCME expects that the activityFormat value used is one of the recognized ACCME activity types.	-*activityFormat* instances where the activity type value is NOT one of the recognized ACCME types will be IGNORED and the entire activity record will NOT be processed by PARS. -The system will check for a recognized activity type (see Appendix B): Note: not all activity types are eligible for MOC for every board. See each board's requirements for MOC at http://accme.org/cme-support-moc.

Element Name	Description	ACCME Business Rules
commercialSupport	Indicates the existence of commercial support from a manufacturer of a commercial product. NOTE: Use the activityDescription:commercialSupportAmount sub-element to specify commercial support source and amount for an activity.	
targetAudience	Container element for listing the medical practice specialties for which the activity content is relevant.	-The *targetAudience* element and at least one specialty sub-element are required only if the activity is being registered for MOC.
Specialty	Name of a specialty for which the activity content is relevant.	**This element is required for MOC activity registration.** The list of valid specialties for MOC registration appears in Appendix F.

ParticipationMetrics

ACCME did not change the XSD template for this element. Any special ACCME data rules will be enforced by the ACCME Program and Activity Reporting System file upload process, not via the XSD template.

Element Name	Description	ACCME Business Rules
participationMetrics	Container element.	-

Element Name	Description	ACCME Business Rules
participantsByCategory	Defines the number of participants by category. The XSD file allows 0 or more participantsByCategory elements. This sub-element has the following attributes: 1. *category*-Indicates the participant category described.	-System will only capture the first occurrences of this element for the "physician" and "non-physician" categories. The system will ignore all successive occurrences of "physician" and "non-physician" categories. -The "physician" category definition: the number of MD's and DO's that participated in the activity. Residents are included in this category. -The "non-physician" (now known as "Other Learners") category definition: the number of participants other than MD's or DO's, such as nurses, physician assistants, and other health professionals. Do not include residents in this category. -Participant totals >0 may not be reported if the activity start date is in the future.

XtensibleInfo

ACCME extended the XtensibleInfo element to include fields for data that ACCME wants to capture, but are not part of the Medbiquitous standard.

Element Name	Description	Min Occurs	Max Occurs	Type	Enumeration/Valid Values	ACCME Business Rules
XtensibleInfo	Container element.	0	1	Container	-	-
CommendationTags	Container element	0	1	Container		For optional use by CME providers.
CommendationTag	Indicates a commendation criterion for which the provider may choose to use this activity as an example.	1	Unbounded	Text	The system will check for a recognized commendation tags types (see Appendix H): -	If the *CommendationTags* container is present, at least one *CommendationTag* element is required.
InKindSupports	Container element for in kind support data.	0	1	Container	-	-

Element Name	Description	Min Occurs	Max Occurs	Type	Enumeration/Valid Values	ACCME Business Rules
InKindSupport	This sub-element has the following attributes: 1. *source* – Source of commercial support.	1	unbounded	Boolean	true, false	Include a separate instance for each source of in-kind commercial support.
DeliveryMethods	Container element for listing DeliveryMethods	0	1	Container	-	-
DeliveryMethod	Describes the instructional delivery method for certain types of activities	1	2	Text	Valid options for Live Course or Regularly Scheduled Series format activities: - In-Person - Live-Streamed For Enduring Material format activities: - Online - Print/Other	If the *DeliveryMethods* container is present, at least one *DeliveryMethod* element must be included.
MeasuredOutcomes	Container element for MeasuredOutcome elements	0	unbounded	Container		Include a separate MeasuredOutcomes element for each MeasuredOutcome element
MeasuredOutcome	Describes the intended outcomes for the activity	1	1	String	Valid options are: - Learner Competence - Learner Performance - Patient Health - Community Health - Learner Knowledge	Include only one MeasuredOutcome per MeasuredOutcomes container. When saved, some valid options may be translated to different labels visible within the user interface. Current translations are outlined below: • Community Health ➔ Community /Population Health

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Element Name	Description	Min Occurs	Max Occurs	Type	Enumeration/Valid Values	ACCME Business Rules
MeasurementType	Describes how the activity outcomes are measured	0	2	String	Valid options are: - Objective - Subjective	
MOCRegistrations	Container element for one or more maintenance of certification registrations.	0	1	Container	-	Optional; not required for activity registration, but required for activity to be registered for MOC.
MOCRegistration	Container element.	0	unbounded	Container	-	One per certifying board. Include one *MOCRegistration* element for each certifying board for which MOC will be offered.
boardName	Indicates name of the specialty board for which the MOC is being registered.	0	1	Text	ABA, ABIM, ABOHNS, ABOS, ABP, ABPATH, ABS, ABTS Refer to Appendix E for a list of boards currently accepting activities registered in PARS.	Must be a board currently accepting activities registered in PARS.
mocPoints	Indicates the number of MOC points for which the activity is registered.	0	1	Decimal	=> 0.25	
MOCCreditType	Indicates the board MOC categories for which the activity is registered	0	Unbounded	String	Varies by certifying board	Business rules for MOC credit types vary by board. Refer to Appendix G for a list of MOC credit types by board.
CreditClaimDate	. The latest completion date that will be accepted for learner MOC credit submissions for the activity.	0	1	Date/time	YYYY-MM-DDT00:00:00	PARS will not accept records with MOC completion dates after the listed credit claim date. PARS will ignore the time portion of the date/time value.

Element Name	Description	Min Occurs	Max Occurs	Type	Enumeration/Valid Values	ACCME Business Rules
ForPublicList	Indicates whether this activity is to be included in the published list of activities made available to physicians on CMEPassport.org.	0	1	Boolean	true, false	
FeeForParticipation	Indicates whether a fee is associated with learner participation in the CME activity.	0	1	String	Yes No, it's free Variable	.
ActivityRegistration	Indicates whether the activity is available to all potential learners or if participation is limited (e.g., to staff of the CME provider's institution).	0	1	String	Open to all Limited	
IsMeritBasedIncentivePaymentSystem	Indicates whether the activity qualifies for MIPS	0	1	Boolean	true, false	
REMS	Container element for REMS information	0	1	Container		Include only if the activity is designated for instruction on an FDA Risk Evaluation and Mitigation Strategy program.
REMSType	Indicates which REMS the activity content addresses	0	1	String	Opioid Analgesic, Mycophenolate	
REMSRelatedIdentifier	For reporting of special grant identifiers related to this REMS designation	0	1	String		Use the RPC ID formatted as EG-######-###.
activityRecordAction	The intended transaction type for this activity record.	1	1	String	Add, Update, Delete	
closeActivityRecord	Indicates whether this activity record transaction includes final information about the activity.	1	1	Boolean	true, false	A value of "true" for this field will preclude further updates to the activity record. Activities must have an end date in the past and all activity information completed for a value of "true" to successfully validate.

Appendices

A: Saving and closing Activities

The table below provides details on the data the PARS System requires for submitting an activity record with "Active" status and for closing an activity record. A closed activity record cannot be edited further. For more complete details on the fields, please refer to the entries in the preceding pages.

Field Name	Data is Required in Field:	
	To save Active record	**To close out activity record**
ReportingStartDate	Yes	Yes
ReportingEndDate	Yes *Note: This field is required by the MedicalEducationMetrics specification, but it will not be displayed on the PARS system.*	Yes *Note: This field is required by the MedicalEducationMetrics specification, but it will not be displayed on the PARS system.*
identifier	Yes	Yes
title	Yes	Yes
startDateTime	Yes	Yes
endDateTime	Yes	Yes
city	Required if the ActivityFormat is one of the following: - Live Course - Regularly Scheduled Series and DeliveryMethod is "In-Person" For other ActivityFormats data should not be entered	Required if the ActivityFormat is one of the following: - Live Course - Regularly Scheduled Series and DeliveryMethod is "In-Person" For other ActivityFormats data should not be entered
stateorprovince	Required if country is USA and the ActivityFormat is one of the following: • Live Course • Regularly Scheduled Series and DeliveryMethod is "In-Person" For other ActivityFormats data should not be entered	Required if country is USA and the ActivityFormat is one of the following: • Live Course • Regularly Scheduled Series and DeliveryMethod is "In-Person" For other ActivityFormats data should not be entered
country	Required if the ActivityFormat is one of the following: - Live Course - Regularly Scheduled Series and DeliveryMethod is "In-Person" For other ActivityFormats data should not be entered	Required if the ActivityFormat is one of the following: - Live Course - Regularly Scheduled Series and DeliveryMethod is "In-Person" For other ActivityFormats data should not be entered
activitySponsorship	Yes	Yes *(Note: "sponsorship" is now displayed on the PARS system as "providership")*
activityFormat	Yes	Yes
participantsByCategory	No	Yes, the system requires data for one category of "physician" and one category of "non-physician" . Zero is an

Field Name	Data is Required in Field:	
	To save Active record	To close out activity record
		acceptable value for both categories to close. *(Note: "non-physician" is now displayed on the PARS system. as "other learners")*
commercialSupport	No	Yes
nonAccreditedProvider	No	If the activitySponsorship field is "joint", then this field is required. If the activitySponsorship field is "direct" or not entered, then no data should be entered in this field.
credits	Yes	Yes
description	Yes	Yes
commercialSupportAmount	No	If commercialSupport is "Yes", then each commercial support source should have a value entered in this field. If commercialSupport is "No", then no data should be entered in this field.
MeasuredOutcomes	No	Yes (at least one)
CreditClaimDate	No (Yes, if the activity is an MOC activity)	No (Yes, if the activity is an MOC activity)
ForPublicList	No	Yes
FeeForParticipation	No (Yes, if ForPublicList is set to true)	No (Yes, if ForPublicList is set to true)
ActivityRegistration	No (Yes, if ForPublicList is set to true)	No (Yes, if ForPublicList is set to true)
IsMeritBasedIncentivePaymentSystem	No	No
REMS	No	No (Yes, if the acivity is a REMS activity; For REMS activities, REMSType and REMSRelatedIdentifier fields also required.)
ActivityRecordAction	Yes	Yes
CloseActivityRecord	No	Yes (must be "True" to indicate that the activity record submission is intended to close the activity record.)

B: ACCME Activity Types and Delivery Method Types

These Activity Types and Delivery Method Categories are valid combinations for use in the activityFormat and DeliveryMethod elements.

Activity Type	Delivery Method
Live Course	In-Person, Live-Streamed
Regularly Scheduled Series	In-Person, Live-Streamed
Enduring Material	Online, Print/Other
Journal CME/CE	Not applicable
Manuscript Review	Not applicable
Test-Item Writing	Not applicable
Committee Learning	Not applicable
Performance/Quality Improvement	Not applicable
Internet Searching and Learning	Not applicable
Learning from Teaching	Not applicable
Other/Blended Learning	Not applicable

Activity type formats have been updated. Listed below is a mapping table for use by those using legacy web services.

Previous PARS Activity Type	New PARS Activity Type	Delivery Method
Course	Live Course	In-Person
Internet Live Course	Live Course	Live Streamed
Regularly Scheduled Series	Regularly Scheduled Series	In-Person
Enduring Material	Enduring Material	Print/Other
Internet Activity Enduring Material	Enduring Material	Online
Performance Improvement	Performance/Quality Improvement	N/A
Other	Other/Blended Learning	N/A

C: List of Country Codes

Below is a list of the 3-letter country codes for the country element.

Note: Please see the U.S. Territories / Regions section for information regarding U.S. territory / region processing

Country	Code	Country	Code
Afghanistan	AFG	Chile	CHL
Åland Islands	ALA	China	CHN
Albania	ALB	China, Hong Kong Special Administrative Region	HKG
Algeria	DZA	China, Macao Special Administrative Region	MAC
American Samoa	ASM	Christmas Island	CXR
Andorra	AND	Cocos (Keeling) Islands	CCK
Angola	AGO	Colombia	COL
Anguilla	AIA	Comoros	COM
Antarctica	ATA	Congo	COG
Antigua and Barbuda	ATG	Cook Islands	COK
Argentina	ARG	Costa Rica	CRI
Armenia	ARM	Côte d'Ivoire	CIV
Aruba	ABW	Croatia	HRV
Australia	AUS	Cuba	CUB
Austria	AUT	Curaçao	CUW
Azerbaijan	AZE	Cyprus	CYP
Bahamas	BHS	Czechia	CZE
Bahrain	BHR	Democratic People's Republic of Korea	PRK
Bangladesh	BGD	Democratic Republic of the Congo	COD
Barbados	BRB	Denmark	DNK
Belarus	BLR	Djibouti	DJI
Belgium	BEL	Dominica	DMA
Belize	BLZ	Dominican Republic	DOM
Benin	BEN	Ecuador	ECU
Bermuda	BMU	Egypt	EGY
Bhutan	BTN	El Salvador	SLV
Bolivia (Plurinational State of)	BOL	Equatorial Guinea	GNQ
Bonaire, Sint Eustatius, and Saba	BES	Eritrea	ERI
Bosnia and Herzegovina	BIH	Estonia	EST
Botswana	BWA	Eswatini	SWZ
Bouvet Island	BVT	Ethiopia	ETH
Brazil	BRA	Falkland Islands (Malvinas)	FLK
British Indian Ocean Territory	IOT	Faroe Islands	FRO
British Virgin Islands	VGB	Fiji	FJI
Brunei Darussalam	BRN	Finland	FIN
Bulgaria	BGR	France	FRA
Burkina Faso	BFA	French Guiana	GUF
Burundi	BDI	French Polynesia	PYF
Cabo Verde	CPV	French Southern Territories	ATF
Cambodia	KHM	Gabon	GAB
Cameroon	CMR	Gambia	GMB
Canada	CAN	Georgia	GEO
Cayman Islands	CYM	Germany	DEU
Central African Republic	CAF	Ghana	GHA
Chad	TCD	Gibraltar	GIB

PARS Activity XML File Specification

Country	Code	Country	Code
Greece	GRC	Mauritius	MUS
Greenland	GRL	Mayotte	MYT
Grenada	GRD	Mexico	MEX
Guadeloupe	GLP	Micronesia (Federated States of)	FSM
Guam	GUM	Monaco	MCO
Guatemala	GTM	Mongolia	MNG
Guernsey	GGY	Montenegro	MNE
Guinea	GIN	Montserrat	MSR
Guinea-Bissau	GNB	Morocco	MAR
Guyana	GUY	Mozambique	MOZ
Haiti	HTI	Myanmar	MMR
Heard Island and McDonald Islands	HMD	Namibia	NAM
Holy See	VAT	Nauru	NRU
Honduras	HND	Nepal	NPL
Hungary	HUN	Netherlands	NLD
Iceland	ISL	New Caledonia	NCL
India	IND	New Zealand	NZL
Indonesia	IDN	Nicaragua	NIC
Iran (Islamic Republic of)	IRN	Niger	NER
Iraq	IRQ	Nigeria	NGA
Ireland	IRL	Niue	NIU
Isle of Man	IMN	Norfolk Island	NFK
Israel	ISR	North Macedonia	MKD
Italy	ITA	Northern Mariana Islands	MNP
Jamaica	JAM	Norway	NOR
Japan	JPN	Oman	OMN
Jersey	JEY	Pakistan	PAK
Jordan	JOR	Palau	PLW
Kazakhstan	KAZ	Panama	PAN
Kenya	KEN	Papua New Guinea	PNG
Kiribati	KIR	Paraguay	PRY
Kuwait	KWT	Peru	PER
Kyrgyzstan	KGZ	Philippines	PHL
Lao People's Democratic Republic	LAO	Pitcairn	PCN
Latvia	LVA	Poland	POL
Lebanon	LBN	Portugal	PRT
Lesotho	LSO	Puerto Rico	PRI
Liberia	LBR	Qatar	QAT
Libya	LBY	Republic of Korea	KOR
Liechtenstein	LIE	Republic of Moldova	MDA
Lithuania	LTU	Réunion	REU
Luxembourg	LUX	Romania	ROU
Madagascar	MDG	Russian Federation	RUS
Malawi	MWI	Rwanda	RWA
Malaysia	MYS	Saint Barthélemy	BLM
Maldives	MDV	Saint Helena	SHN
Mali	MLI	Saint Kitts and Nevis	KNA
Malta	MLT	Saint Lucia	LCA
Marshall Islands	MHL	Saint Martin (French Part)	MAF
Martinique	MTQ	Saint Pierre and Miquelon	SPM
Mauritania	MRT	Saint Vincent and the Grenadines	VCT

PARS Activity XML File Specification

Country	Code
Samoa	WSM
San Marino	SMR
Sao Tome and Principe	STP
Saudi Arabia	SAU
Senegal	SEN
Serbia	SRB
Seychelles	SYC
Sierra Leone	SLE
Singapore	SGP
Sint Maarten (Dutch part)	SXM
Slovakia	SVK
Slovenia	SVN
Solomon Islands	SLB
Somalia	SOM
South Africa	ZAF
South Georgia and the South Sandwich Islands	SGS
South Sudan	SSD
Spain	ESP
Sri Lanka	LKA
State of Palestine	PSE
Sudan	SDN
Suriname	SUR
Svalbard and Jan Mayen Islands	SJM
Sweden	SWE
Switzerland	CHE
Syrian Arab Republic	SYR
Tajikistan	TJK
Thailand	THA
Timor-Leste	TLS

Country	Code
Togo	TGO
Tokelau	TKL
Tonga	TON
Trinidad and Tobago	TTO
Tunisia	TUN
Turkey	TUR
Turkmenistan	TKM
Turks and Caicos Islands	TCA
Tuvalu	TUV
Uganda	UGA
Ukraine	UKR
United Arab Emirates	ARE
United Kingdom of Great Britain and Northern Ireland	GBR
United Republic of Tanzania	TZA
United States Minor Outlying Islands	UMI
United States of America	USA
United States Virgin Islands	VIR
Uruguay	URY
Uzbekistan	UZB
Vanuatu	VUT
Venezuela (Bolivarian Republic of)	VEN
Viet Nam	VNM
Wallis and Futuna Islands	WLF
Western Sahara	ESH
Yemen	YEM
Zambia	ZMB
Zimbabwe	ZWE

Source: United Nations, October 15, 2021 list. https://unstats.un.org/unsd/methodology/m49/

U.S. Territories / Regions:

For the following U.S. territories/regions, the country code of USA within the country element should be used along with the applicable U.S. State abbreviation within the stateorprovince element.

Country	Country Code	U.S State Abbreviation
American Samoa	USA	AS
Federated States of Micronesia	USA	FM
Guam	USA	GU
Marshall Islands	USA	MH
Northern Mariana Islands	USA	MP
Puerto Rico	USA	PR
Palau	USA	PW
U.S. Virgin Islands	USA	VI

D: State Abbreviations

Below is a list of U.S. State abbreviations for use within the stateorprovince element.

StateName	StateAbbreviation
Alaska	AK
Alabama	AL
Armed Forces Pacific	AP
Arkansas	AR
American Samoa	AS
Arizona	AZ
California	CA
Colorado	CO
Connecticut	CT
District of Columbia	DC
Delaware	DE
Florida	FL
Federated States of Micronesia	FM
Georgia	GA
Guam	GU
Hawaii	HI
Iowa	IA
Idaho	ID
Illinois	IL
Indiana	IN
Kansas	KS
Kentucky	KY
Louisiana	LA
Massachusetts	MA
Maryland	MD
Maine	ME
Marshall Islands	MH
Michigan	MI
Minnesota	MN
Missouri	MO
Northern Mariana Islands	MP
Mississippi	MS
Montana	MT
North Carolina	NC
North Dakota	ND

StateName	StateAbbreviation
Nebraska	NE
New Hampshire	NH
New Jersey	NJ
New Mexico	NM
Nevada	NV
New York	NY
Ohio	OH
Oklahoma	OK
Oregon	OR
Pennsylvania	PA
Puerto Rico	PR
Rhode Island	RI
South Carolina	SC
South Dakota	SD
Tennessee	TN
Texas	TX
Utah	UT
Virginia	VA
Virgin Islands	VI
Vermont	VT
Washington	WA
Wisconsin	WI
West Virginia	WV
Wyoming	WY

E: Registering an Activity for Maintenance of Certification (MOC)/Continuing Certification (CC)

Accredited CME providers can register activities for a participating board's Maintenance of Certification (MOC)/Continuing Certification (CC) program using the PARS XML batch upload process, if they meet the requirements outlined in the board's program guide. Complete information about CME for MOC and links to each board's program guide is available at http://accme.org/cme-support-moc.

Registering an activity for MOC is optional for the provider. If an activity is not being registered for MOC, then the MOC fields cannot be included in the activity record.

Some activity types cannot be registered for specific boards. Acceptable activity types are listed in each board's program guide accessible through the ACCME website.

PARS Activity XML File Specification

The fields below must be present in the XML for each activity that is being registered for MOC.

    a. LOM
        i. **identifier**: an additional identifier element of container type "URL" is required for reporting an activity URL.
        ii. **Keyword** element and corresponding sub-elements are required only when registering an activtity for ABA.
    b. Healthcare Education
        i. **targetAudience** must contain at least one "specialty" element
        ii. **endDateTime** is required
    c. Extensible Information
        i. **CreditClaimDate** is required
        ii. **MOCRegistrations** must contain at least one "MOCRegistration" element
        iii. **MOCRegistration** must contain:
            1. **specialtyBoard** with the name of a valid specialty board (valid specialty boards are: ABA, ABIM, ABOHNS, ABOS, ABP, ABPATH, ABS, ABTS)
            2. **mocPoints** with a number of at least 0.25 representing the number of MOC points.
            3. At least one MOCCreditType with the value of valid credit type for the specialty board (listed in Appendix G).
        iv. **FeeForParticipation** must be included
        v. **ActivityRegistration** must be included

F: MOC specialties by board

American Board of Internal Medicine (ABIM) list of specialties

These values are used in the specialty sub-element when reporting activities registered for ABIM MOC.

Specialty
Adolescent Medicine
Adult Congenital Heart Disease
Advanced Heart Failure and Transplant Cardiology
Cardiovascular Disease
Clinical Cardiac Electrophysiology
Critical Care Medicine
Endocrinology, Diabetes, and Metabolism
Gastroenterology
Geriatric Medicine
Hematology
Hospice and Palliative Medicine
Hospital Medicine
Infectious Disease
Internal Medicine
Interventional Cardiology
Medical Oncology
Nephrology
Neurocritical Care
Pulmonary Disease
Rheumatology
Sleep Medicine
Sports Medicine
Transplant Hepatology

American Board of Anesthesiology (ABA) list of practice areas

These values are used in the specialty sub-element when reporting activities registered for ABA MOCA.

Specialty
Ambulatory/Outpatient
Cardiac Anesthesia
Critical Care Medicine
General Operative Anesthesia
Hospice and Palliative Medicine
Neuro Anesthesia
Neurocritical Care
Obstetric Anesthesia
Pain Medicine
Pediatric Anesthesia
Regional Anesthesia/Acute Pain
Sleep Medicine
Thoracic Anesthesia
Trauma

American Board of Pediatrics (ABP) list of practice areas

These values are used in the specialty sub-element when reporting activities registered for ABP MOC.

Specialty
Adolescent Medicine
Child Abuse Pediatrics
Clinical Informatics
Developmental-Behavioral Pediatrics
General Pediatrics
Hospice & Palliative Medicine
Hospital Medicine

Specialty
Medical Toxicology
Neonatal-Perinatal Medicine
Neurodevelopmental Disabilities
Pediatric Cardiology
Pediatric Critical Care Medicine
Pediatric Emergency Medicine
Pediatric Endocrinology
Pediatric Gastroenterology
Pediatric Hematology-Oncology
Pediatric Infectious Diseases
Pediatric Nephrology
Pediatric Neurology
Pediatric Pulmonology
Pediatric Rheumatology
Pediatric Transplant Hepatology
Professionalism/Patient Safety/Other Skills
Sleep Medicine
Sports Medicine

American Board of Otolaryngology-Head & Neck Surgery (ABOHNS) list of practice areas

These values are used in the specialty sub-element when reporting activities registered for ABOHNS MOC

Practice Areas
Allergy
Facial Plastic & Reconstructive Surgery
Head & Neck
Laryngology
Otology
Neurotology
Pediatric Otolaryngology
Rhinology
Sleep Medicine
General Otolaryngology

American Board of Orthopaedic Surgery (ABOS) list of practice areas

These values are used in the specialty sub-element when reporting activities registered for ABOS MOC

Practice Areas
Adult Reconstruction
Foot and Ankle
General Orthopaedics
Musculoskeletal Oncology
Orthopaedic Sports Medicine
Orthopaedic Trauma
Pediatric Orthopaedic Surgery
Shoulder and Elbow
Surgery of the Hand
Surgery of the Spine

American Board of Pathology (ABPath) list of practice areas

These values are used in the specialty sub-element when reporting activities registered for ABPath CC

Practice Areas
All Practice Areas (e.g. ethics)
Blood Bank/ Transfusion Medicine
Breast
Cardiovascular
Chemical Pathology
Clinical Pathology
Cytopathology
Dermatopathology
Endocrine
Female Reproductive
Forensic Pathology
GI (incl. Liver, Pancreas, Bilary)
Head & Neck/ Oral
Hematology (Blood, BM)
Hematopathology (LN, Spleen)
Hemostasis & Thrombosis/Coagulation
Infectious Diseases/ Medical Microbiology
Lab Management
Male Genital
Medical Director
Molecular Genetic Pathology
Neuropathology (incl. Neuromuscular)
Other
Patient Safety
Pediatric Pathology
Placenta
Pulmonary, Mediastinum
Renal/Medical Renal
Soft Tissue & Bone
Surgical Pathology
Transplant Pathology
Urinary Tract

American Board of Surgery (ABS) list of practice areas

These values are used in the specialty sub-element when reporting activities registered for ABS CC

Practice Areas
Bariatric Surgery
Complex General Surgical Oncology
Hand Surgery
Hospice & Palliative Medicine
Pediatric Surgery
Neurocritical Care
Surgical Critical Care
Vascular Surgery
General Surgery

American Board of Thoracic Surgery (ABTS) list of practice areas

These values are used in the specialty sub-element when reporting activities registered for ABTS CC

Practice Areas
Adult Cardiac
General Thoracic
Cardiothoracic
Congenital Cardiac
Critical Care
Cardiovascular
Non-Thoracic Surgery

G: Credit types for MOC registration

Each board participating in CME in support of MOC has defined one or more credit types specific to the MOC program. The requirements for each of these types can be found in the board's program guide, which is accessible at http://accme.org/cme-support-moc. These types can be indicated in the XML XtensibleInfo element **MOCCreditType.** MOC registration for each board requires at least one element indicating the appropriate credit type. The corresponding credit types are indicated below.

Board Name	MOC Credit Type	Additional Business Rules
American Board of Anesthesiology	Lifelong Learning	
	Patient Safety	Patient Safety can only be submitted in combination with another credit type
American Board of Internal Medicine	Medical Knowledge	
	Practice Assessment	
	Patient Safety	Patient Safety can only be submitted in combination with another credit type
American Board of Otolaryngology – Head and Neck Surgery	Self-Assessment	
	Improvement in Medical Practice	
	Patient Safety	Patient Safety can only be submitted in combination with another credit type
American Board of Orthopaedic Surgery	Accredited CME	Accredited CME is required for ABOS MOC registration
	Pre-Approved Self-Assessment Examination	ABOS must have pre-approved the activity for Self-Assessment Examination credit or registration will be rejected.
American Board of Pathology	Lifelong Learning	All ABPath MOC activities must at minimum meet the requirements of Lifelong Learning. Lifelong Learning is required for ABPath MOC registration.
	Improvement in Health and Healthcare	
American Board of Pediatrics	Lifelong Learning and Self-Assessment	
American Board of Surgery	Accredited CME	All ABS CC activities must at minimum meet the requirements of Accredited CME. Accredited CME is required for ABS CC registration.
	Self-Assessment	
American Board of Thoracic Surgery	Accredited CME	All ABTS CC activities must at minimum meet the requirements of Accredited CME. Accredited CME is required for ABTS CC registration.
	Self-Assessment	Self-Assessment can only be submitted in combination with another credit type.

Board Name	MOC Credit Type	Additional Business Rules
	Performance in Practice	Performance in Practice can only be submitted in combination with another credit type.
	Patient Safety	Patient Safety can only be submitted in combination with another credit type.

H: Commendation Criteria

Tags are made available to assist in tracking activities that demonstrate the critical elements of one or more commendation criteria. Please note, tagging an activity does not guarantee a finding of compliance.

Commendiation Criteria
Engages Teams
Engages Patients/Public
Engages Students
Advances Data Use
Addresses Population Health
Collaborates Effectively
Optimizes Communication Skills
Optimizes Technical/Procedural Skills
Creates Individualized Learning Plans
Utilizes Support Strategies
Improves Performance
Improves Healthcare Quality
Improves Patient/Community Health

I: Commercial Supporter Source List

If the source of commercial support appears in the following list, use the name as formatted below for reporting in PARS. If the source of commercial support does not appear in the following list, then enter the formally recognized name of the organization.

3M Health Care	Active Implants Corporation
Abbott (Any division)	Addition Technology Inc.
Abbott Laboratories	Adept-Med International Inc.
AbbVie (Any division)	Aderans Research Institute
AbioMed	Advanced BioHealing, Inc.
ABIOMED, Inc.	Advanced Medical Optics, Inc.
Ablation Frontiers, Inc.	AGA Medical Corporation
Accuray Inc.	Agion Technologies
AccuVein, LLC	Alcon (Any division)
Acorn Cardiovascular Inc.	Alexion Pharmaceuticals
Actelion Pharmaceuticals	Allegro Diagnostics, Inc.

Allergan (Any division)
Alliance Home Healthcare
Alphatec Spine, Inc.
Alure Medical Inc.
Amarin Pharmaceuticals, Inc.
American Medical Systems
Amgen, Inc.
Amylin Pharmaceuticals, Inc.
Andersen Products, Inc.
Aperio Technologies, Inc.
Aplicare Inc.
Arbor Pharmaceuticals
ARC Specialty Products, Balchem Corp.
Arobella Medical, LLC
Arthrex
Artificial Muscle, Inc.
Astellas (Any division)
Asthmatx, Inc.
AstraZeneca (Any division)
Atos Medical Inc.
Atrium Medical Corporation
ATS Medical, Inc.
Autonomic Technologies, Inc.
Auxilium Pharmaceuticals
AxoGen, Inc.
B. Braun Medical, Inc.
Bard Peripheral Vascular, Inc.
Bausch & Lomb (Any division)
Baxano, Inc.
Baxter International, Inc.
Bayer (Any division)
Bayer HealthCare, Diabetes Care
BD
Beckman Coulter, Inc.
Berlin Heart Inc.
BioControl Ltd.
BioCure, Inc.
Biogen
BioMarker Strategies, LLC
BioMedical Life Systems, Inc.
bioMerieux, Inc.

Biomerix Corporation
Biomet, Inc.
BioMimetic Therapeutics, Inc.
Bio-Rad Laboratories
Biosense Webster, Inc.
BioSurface Engineering Technologies, Inc.
BIOTRONIK, Inc.
Boehringer Ingelheim Pharmaceuticals, Inc.
Boston Scientific Corporation
Bracco Diagnostics, Inc.
Bristol-Myers Squibb Company
Bristol-Myers Squibb Company Worldwide Medicines Group
Broncus Technologies Inc.
BTG International, Inc.
C. R. Bard, Inc.
Calgary Scientific Inc.
Calibra Medical, Inc.
Cardinal Health
CardioFocus, Inc.
CardioMag Imaging, Inc.
CardioMEMS, Inc.
CaridianBCT, Inc.
Cayenne Medical Inc.
CEA Global, Inc.
Celera
Celgene Corporation
Celleration, Inc.
Cepheid
Chesson Labs
Chiesi
Choice Medical, Inc.
Cleveland Medical Devices
Clovis Oncology
Coeur Incorporated
Cohera Medical, Inc.
ConforMIS, Inc.
ConMed
Consensus Orthopedics Inc.
ConvaTec Inc.
Cook Medical, Inc.
CooperSurgical, Inc.

CoreValve Inc.	Fisher & Paykel Healthcare
Corin USA	FMC BioPolymer
Covalon Technologies, Ltd.	Focus Diagnostics, Inc. Healthcare Diagnostics Group
Covidien	Forest (Any division)
Crescendo Bioscience	Fujifilm (Any division)
CriTech Research, Inc.	Galderma (Any division)
CSL Behring, LLC	Galil Medical
Cubist Pharmaceuticals, Inc.	Gambro Renal Products, Inc.
CUREMARK	GE Healthcare
CVRx, Inc.	GeneEX Incorporation
Cyberonics, Inc.	Genentech (Any division)
Cytomedix, Inc.	Genomic Health, Inc.
Cytori Therapeutics, Inc.	Genzyme (Any division)
Daiichi Sankyo, Inc.	Genzyme Corporation
DEKA Research & Development Corporation	GI Dynamics, Inc.
Deltex Medical, Inc.	Gilead Sciences, Inc.
DePuy (Any division)	Given Imaging
Digirad Corporation	GlaxoSmithKline
Disc Dynamics, Inc.	Globus Medical, Inc.
Discovery Laboratories, Inc.	Grace Medical, Inc.
DJO Incorporated	Greatbatch, Inc.
EarlyDETECT Inc.	Greer Laboratories, Inc.
Edwards Lifesciences Corporation	Grifols
EGI	Hansen Medical, Inc.
Eisai, Inc.	Hard Manufacturing Company, Inc.
Electro-Optical Sciences, Inc.	Harmac Medical Products, Inc.
EMD Serono	Healthpoint, Ltd.
Endo Pharmaceuticals, Inc.	Heartscape Technologies Inc.
Endocare Inc.	Heidelberg Engineering, Inc.
Eng3 Corporation	Helicos BioSciences Corporation
Entellus Medical, Inc.	HemCon Medical Technologies, Inc.
EnteroMedics Inc.	Heraeus Medical GmbH
Etex Corporation	Hill-Rom Company, Inc.
Ethicon (Any division)	Hitachi (Any division)
EVAHEART MEDICAL USA, INC.	Hoffmann-La Roche Inc.
Evalve, Inc.	Hollister Incorporated
EXACT Sciences Corporation	Hologic, Inc.
Exelixis	Hospira, Inc.
EyeIC, Inc.	Hutchinson Technology Inc. BioMeasurement Division
febit	Hygeia II Medical Group Inc.
Fenwal Inc.	

IDev Technologies, Inc.	Mead Johnson Nutrition Company
Imalux Corporation	Meda Pharmaceuticals, Inc.
Immucor, Inc.	Mederi Therapeutics, Inc.
Incyte Corporation	Medicsight, PLC
InfraReDx, Inc.	Mediplus Ltd
Inset Technologies Incorporated	Medtronic (Any division)
InSightec Inc.	MedVenture Technology Corporation
Instrumentation Laboratory	Merck (Any division)
Integra LifeSciences Corporation	Merck Human Health Division - U.S. Human Health
Intel Corporation	Merck Research Laboratories
IntelligentMD	Merck Vaccine Division
Interface Biologics, Inc.	Merz (Any division)
Intralink-Spine LLC	Micell Technologies, Inc.
Ipsen	Micronics, Inc.
IRIS International, Inc.	MicroPhage, Incorporated
ISTO Technologies, Inc.	MicroTransponder Inc.
J.R. Medical, Inc.	Micrus Endovascular Corporation
Janssen (Any division)	Millennium Pharmaceuticals, Inc.
Jazz Pharmaceuticals, Inc.	Milliken & Company
Johnson & Johnson	Mindray
K2M, Inc.	Minnesota Medical Development, Inc.
Kadmon Pharmaceuticals	MinSURG Corporation
Kaneka Pharma America LLC	mtm laboratories AG
Karl Storz Endoscopy	Mylan (Any division)
Kensey Nash Corporation	Myriad (Any division)
KFx Medical Inc.	NanoVasco, Inc.
Kinetic Concepts, Inc.	Navilyst Medical
Kowa Pharmaceuticals	nContact Surgical
KRONUS, Inc.	NDI Medical
Lansinoh Laboratories	NeoMatrix
Lexicor Medical Technology, LLC	NeoVista, Inc.
Life Instrument Corporation	Nerites Corporation
LifeSync Corporation	Nestle (Any division)
Lilly (Any division)	NeuroPace, Inc.
Lundbeck, Inc.	Newport Medical Instruments, Inc.
M2S, Inc.	Nexus6 Ltd
MagForce Nanotechnologies AG	Nitric BioTherapeutics Inc.
Mallinckrodt Pharmaceuticals	Novartis Corporation Pharmaceuticals
Masimo (Any division)	Novartis Vaccines & Diagnostics, Inc.
Maverick Biosciences Pty Ltd	Novasys Medical, Inc.
McKesson (Any division)	NovaVision, Inc.

Novo Nordisk (Any division)	PrognostiX, Inc.
Novocure	Prolacta Bioscience, Inc.
NPS Pharmaceuticals, Inc.	Prometheus Laboratories, Inc.
NuMED Inc	ProRhythm, Inc.
NuVasive	Proteogenix, Inc.
OHK Medical Devices, Inc.	Proteus Biomedical
Olympus Corporation	Purdue Pharma, LP
Oncoscope, Inc.	Qiagen Sciences
One Word dmg	Questcor Pharmaceuticals, Inc.
Onyx Pharmaceuticals, Inc.	ReGen Biologics, Inc.
OPHTEC USA, Inc.	Regeneron Pharmaceuticals, Inc.
OptiMedica Corporation	REMS Program Companies (RPC)
Orla Protein Technologies Ltd	Robodoc Division of Curexo Technology Corp.
OrthAlign, Inc.	Roche (Any division)
Orthofix Inc.	RoundTable Healthcare Partners
OrthoPediatrics, LLC	RTI Biologics, Inc.
Orthovita Inc.	Sakura Finetek U.S.A., Inc.
Osmetech Molecular Diagnostics	Salient Surgical Technologies, Inc.
Otsuka America Pharmaceutical, Inc.	Salix Pharmaceuticals, Inc.
Otsuka America Pharmaceutical, Inc. (OAPI)	sanofi pasteur
Otsuka America, Inc. (OAI)	Sanofi S.A.
Otsuka Maryland Medicinal Laboratories (OMML)	sanofi-aventis U.S.
Otsuka Pharmaceutical Development & Commercialization, Inc. (OPDC)	Schering-Plough Corporation
Pacira Pharmaceuticals, Inc.	Scient'X USA, Inc.
Paracor Medical	Seattle Genetics
Paradigm Spine, LLC	Semprus BioSciences*
ParagonDX, LLC	Seno Medical Instruments Inc.
Pathfinder Therapeutics, Inc.	Sensors for Medicine and Science, Inc.
PathoLase, Inc.	Shire Pharmaceuticals
Pathwork Diagnostics, Inc.	Shumsky Therapeutic Pillows
PEAK Surgical, Inc.	Siemans (Any division)
Pega Medical Inc.	Sigma-Tau Pharmaceuticals, Inc.
Percutaneous Systems, Inc.	Silere Medical Technology Inc.
Pfizer (Any division)	Silk Road Medical
Philips (Any division)	Sleep Solutions, Inc.
PhotoThera	Smith & Nephew (Any division)
pico-tesla Magnetic Therapies, LLC	SonoSite
PolyRemedy, Inc.	Sorin S.p.A.
Porex Corporation	Spectrum (Any division)
Prescient Medical, Inc.	Spinal Restoration, Inc.
Prizm Medical, Inc.	Spiration Inc.

St. Jude Medical, Inc.	United Therapeutics
STERIS Corporation	Urovalve, Inc.
Strata LLC	US HIFU, LLC
Straumann USA LLC	USCI Japan
Stryker (Any division)	Valeant Pharmaceuticals (Any division)
Sunovion Pharmaceuticals, Inc.	Vapotherm, Inc.
superDimension, Inc.	Varian Medical Systems, Inc.
Symbios Medical Products, LLC	VeraLight, Inc.
SyntheMed, Inc.	Vertex Pharmaceuticals
Sysmex America, Inc.	Viacor, Inc.
T2 Biosystems, Inc.	VidaCare Corporation
Taiho Pharmaceutical	Vidara Therapeutics
Takeda Pharmaceuticals (Any division)	ViiV Healthcare
Teleflex Medical	Vilex Inc.
Terumo (Any division)	ViroPharma Incorporated
Tesaro	Visionquest Industries Inc.
Teva Pharmaceutical Industries	Vitalcor, Inc.
The Innovation Factory	VitalWear Inc.
The P.F. Laboratories, Inc.	VivoMetrics, Inc.
Theranostics Health	VNUS Medical Technologies, Inc.
Therapeutic Pillows	W. L. Gore & Associates, Inc.
TherOx, Inc.	Walgreens (Any division)
Thoratec Corporation	WaveTec Vision Systems, Inc.
Tomophase Corporation	Welch Allyn, Inc.
Toray Industries (America), Inc.	Wound Care Innovations, LLC
Tornier, Inc.	Wright Medical Technology, Inc.
Toshiba (Any division)	Wyeth
TranS1, Inc.	Wyeth Pharmaceuticals
Transoma Medical, Inc.	Wyeth Research
TriReme Medical Inc.	Xceed Molecular
TyRx Pharma, Inc.	Zimmer (Any division)
UCB	Zoll (Any division)
Uluru Inc.	

J: List of Error Codes

Code	Description
101	Activity record action was not specified.
102	Activity record action invalid.
103	Add action has duplicate of existing activity ID.
104	Record not found. Update action has unknown activity ID.
105	Record not found. Delete action has unknown activity ID.
106	Activity could not be deleted. Participant records exist for this activity.
107	Activity record is a duplicate for an activity submitted to Board through non-ACCME methods and cannot be reported through PARS.
200	Missing number of AMA credits
202	Missing ACCME Activity ID.
203	Missing Activity title.
204	No specialties included in record.
205	Missing Activity start date.
206	Missing MOC points.
207	Missing Variable MOC points.
208	Missing Patient safety approval status.
209	Missing reporting start date.
210	Missing reporting end date.
211	Missing activity format.
212	Missing providership.
213	Missing provider name.
214	Missing joint provider name.
215	Missing activity end date.
216	Missing Provider Activity ID.
217	Missing content outline elements
218	Missing Medical Knowledge approval status
219	Missing Practice Assessment approval status
220	Missing activity URL
302	ACCME Activity ID not valid.
303	Activity title not valid.
304	Specialty not valid.
305	Activity start date not valid.
306	MOC points not valid.
307	Variable MOC points not valid.
308	Patient safety approval status not valid.
309	Reporting start date not valid.
310	Reporting end date not valid.
311	Activity format not valid.
312	Providership not valid.
313	Provider name not valid.
314	Joint provider name not valid.
315	Activity start date format is invalid. Expected yyyy-mm-ddT:00:00:00
316	Activity end date format is invalid. Expected yyyy-mm-ddT:00:00:00
317	Medical Knowledge approval status not valid.
318	Practice Assessment approval status not valid.
319	MOC points not in increment of 0.25

Code	Description
320	Activity specialty/licensing board registration cannot be removed. Learner completion records exist for {Board acronym} and must be deleted before the activity registration can be removed.
321	Activity REMS registration cannot be removed. REMS learner completion records exist for this activity and must be deleted before the REMS registration can be removed.
451	Invalid User: Access Denied
452	Invalid Reporting Year: Please enter in a valid year. Example: 2015
453	Data could not be read. Please make sure that you are uploading XML data in the correct format.
454	Only one Activity at a time can be submitted thru this service.
455	Error Reading XML Web Service: [Error Message]
456	MEMS Element: entry: [XML Identifier], - Invalid data value/format for [Element Name]: [Data Value]
457	MEMS Element: entry:[XML Identifier], Element name: [Element Name] - Missing required field: [Field Name]
458	MEMS Element: entry: [XML Identifier], Element name: ActivityDescription/lom:lom/lom:general/lom:identifier/lom:catalog/lom:entry - ACCME ActivityID is invalid/does not exist
459	MEMS Element: entry:[XML Identifier], Element name: mem:ActivityDescription/lom:lom/hx:healthcareMetadata/hx:healthcareEducation/hx:activityFormat - Invalid data value for Activity Type: [Activity Type]
460	MEMS Element: entry: [XML Identifier], Element name: mem:ActivityDescription/lom:lom/hx:healthcareMetadata/hx:healthcareEducation/hx:activityFormat - At least one subcategory is required for a Course or Internet Live Course
461	MEMS Element: entry: [XML Identifier], Element name: [Element Name] - Invalid value for Reporting Year: [Data Value]. You cannot add or update activities for [Data Value] because the data for this year has already been attested as complete.
462	MEMS Element: entry: [XML Identifier], Element name: [Element Name] - Invalid value for Reporting Year: [Data Value].
463	MEMS Element: identifier: entry:[XML Identifier], Element name: [Element Name] - Invalid element.
464	MEMS Element: Update Reporting Year from [Existing Reporting Year] to [New Reporting Year] not permitted.
465	MEMS Element: entry: [XML Identifier], Element name: [Element Name]: This activity record is assigned to a reporting year that is not currently available for entry of records.
466	MEMS Element: entry: [XML Identifier], - Failed to add the activity
467	MEMS Element: entry: [XML Identifier], - Failed to update the activity
468	MEMS Element: entry: [XML Identifier], - Invalid data value/format for Credits Offered:[Credits Offered].
469	Activity end date cannot be earlier than activity start date.
470	Based on activity end date, activity cannot be registered for [Board name] MOC.
472	Keyword element(s) not valid for MOCA content outline.
473	MEMS Element: entry: [XML Identifier], Element name: [Element Name] - This activity is already closed and cannot be updated.
474	Internal ID cannot be the Organization ID. Please enter a unique value for this field.
475	Credit Claim date cannot be before the activity end date listed for the activity
476	An activity matching this ID already exists. Existing activities may not use the 'Add' record action.
477	Duplicate Entry. Two or more activity records in this submission have the same ID. Please ensure all activities in this file have unique IDs.
478	Pharmacy sequence number already in use.
479	Invalid data value/format for Commmendation Tag:
480	Invalid data value/format for REMS Type:
481	Closed activities may not be edited.

Code	Description
482	Learners may not be reported for activities in the future.
483	This activity cannot be closed. Activities must have all required fields completed and an end date in the past to be closed.
484	Missing default credit type:
485	Invalid template
486	Activity Format cannot be changed when individual learners have been reported
487	Activity credit type cannot be submitted alone
488	Invalid delivery method(s):
489	Invalid count of Keyword element(s): {Count}
490	At least one practice area or specialty is required
491	Invalid practice area or specialty
492	Activity cannot be deleted.
999	General activity record processing error.
9999	Fatal Error: Please contact IT Support.