Learner Information Package DTDs and XSDs

This directory contains all of the various Version 1.1 IMS Learner Information Package Document Type Definitions (DTDs) and XML Data Representation (XSDs) files. The contents of the directory are:

- **xmla** - the directory that contains all of the DTDs and XSDs in native XML Authority format. XML Authority (V1.2) is a product supplied by eXtensibility Inc;

- **mac** - the directory that contains all of the XSDs and DTDs in text file format. These text files are designed for usage with Macintosh systems;

- **ibm**- the directory that contains all of the XSds and DTDs in text file format. These text files are designed for usage with PC systems;

- **unix**- the directory that contains all of the XSDs and DTDs in text file format. These text files are designed for usage with Unix systems.

The further directory structure under each of these directories is identical. This further structure is:

- dtds

  – QTIfulldtd - full commented DTD

  – QTIfullncdtd - full non-commented DTD

Within each of the DTD directories is the file: **ims_lipv1p0.dtd** and within each XSD directory is the file **ims_lip_rootv1p0.xsd**.

This approach means that's the different types of DTD/XSD can be applied without requiring any editing of the associated source XML files. The full directory structure is given in Appendix A of this file.

Features of the Different DTDs/XSDs

The key features of the different XSD/DTD implementations are:

- LIPfullxsd/dtd – this is the full XSD/DTD with all of the corresponding comments. The comments correspond to those given in the IMS LIP XML Binding Specification v1.1;

- LIPfullncxsd/dtd – this is the full XSD/DTD but with all of the comments removed. This makes the file smaller and it is easier to see the internal structure.

Recommended Usage of the DTDs/XSDs

The recommended uses of the different XSDs/DTDs are:

- Select the set of XSDs/DTDs that suit your system. All of the mac/unix/ibm text versions are derived from the XML Authority version and created using the Alpha text processing application;

- In most case only the non-commented versions need to be used. The fully commented files are intended to be informative.

Good luck.

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Appendix A - Full Directory Structure

The full directory structure is:

Xmla	Mac
xsds	xsds
LIPfullxsd	LIPfullxsd
ims_lip_rootv1p0.xsd	ims_lip_rootv1p0.xsd
ims_lip_accessibilityv1p0.xsd	ims_lip_accessibilityv1p0.xsd
ims_lip_activityv1p0.xsd	ims_lip_activityv1p0.xsd
ims_lip_affiliationv1p0.xsd	ims_lip_affiliationv1p0.xsd
ims_lip_competencyv1p0.xsd	ims_lip_competencyv1p0.xsd
ims_lip_goalv1p0.xsd	ims_lip_goalv1p0.xsd
ims_lip_identificationv1p0.xsd	ims_lip_identificationv1p0.xsd
ims_lip_interestv1p0.xsd	ims_lip_interestv1p0.xsd
ims_lip_qclv1p0.xsd	ims_lip_qclv1p0.xsd
ims_lip_relationshipv1p0.xsd	ims_lip_relationshipv1p0.xsd
ims_lip_securitykeyv1p0.xsd	ims_lip_securitykeyv1p0.xsd
ims_lip_transcriptv1p0.xsd	ims_lip_transcriptv1p0.xsd
ims_lip_attributesv1p0.xsd	ims_lip_attributesv1p0.xsd
ims_lip_commonlipv1p0.xsd	ims_lip_commonlipv1p0.xsd
ims_lip_descriptionv1p0.xsd	ims_lip_descriptionv1p0.xsd
ims_lip_evaluationv1p0.xsd	ims_lip_evaluationv1p0.xsd
ims_lip_exrefrecordv1p0.xsd	ims_lip_exrefrecordv1p0.xsd
ims_lip_extensionv1p0.xsd	ims_lip_extensionv1p0.xsd
ims_lip_mediav1p0.xsd	ims_lip_mediav1p0.xsd
ims_lip_organizationv1p0.xsd	ims_lip_organizationv1p0.xsd
ims_lip_rolev1p0.xsd	ims_lip_rolev1p0.xsd
ims_lip_tuplev1p0.xsd	ims_lip_tuplev1p0.xsd
LIPfullncxsd	LIPfullncxsd
ims_lip_rootv1p0.xsd	ims_lip_rootv1p0.xsd
ims_lip_accessibilityv1p0.xsd	ims_lip_accessibilityv1p0.xsd
ims_lip_activityv1p0.xsd	ims_lip_activityv1p0.xsd
ims_lip_affiliationv1p0.xsd	ims_lip_affiliationv1p0.xsd
ims_lip_competencyv1p0.xsd	ims_lip_competencyv1p0.xsd
ims_lip_goalv1p0.xsd	ims_lip_goalv1p0.xsd
ims_lip_identificationv1p0.xsd	ims_lip_identificationv1p0.xsd
ims_lip_interestv1p0.xsd	ims_lip_interestv1p0.xsd
ims_lip_qclv1p0.xsd	ims_lip_qclv1p0.xsd
ims_lip_relationshipv1p0.xsd	ims_lip_relationshipv1p0.xsd
ims_lip_securitykeyv1p0.xsd	ims_lip_securitykeyv1p0.xsd
ims_lip_transcriptv1p0.xsd	ims_lip_transcriptv1p0.xsd
ims_lip_attributesv1p0.xsd	ims_lip_attributesv1p0.xsd
ims_lip_commonlipv1p0.xsd	ims_lip_commonlipv1p0.xsd
ims_lip_descriptionv1p0.xsd	ims_lip_descriptionv1p0.xsd
ims_lip_evaluationv1p0.xsd	ims_lip_evaluationv1p0.xsd

ims_lip_exrefrecordv1p0.xsd
ims_lip_extensionv1p0.xsd
ims_lip_mediav1p0.xsd
ims_lip_organizationv1p0.xsd
ims_lip_rolev1p0.xsd
ims_lip_tuplev1p0.xsd
dtds
    LIPfulldtd
        ims_lipv1p0.dtd
    LIPfullncdtd
        ims_lipv1p0.dtd
Unix
    xsds
        LIPfullxsd
            ims_lip_rootv1p0.xsd
            ims_lip_accessibilityv1p0.xsd
            ims_lip_activityv1p0.xsd
            ims_lip_affiliationv1p0.xsd
            ims_lip_competencyv1p0.xsd
            ims_lip_goalv1p0.xsd
            ims_lip_identificationv1p0.xsd
            ims_lip_interestv1p0.xsd
            ims_lip_qclv1p0.xsd
            ims_lip_relationshipv1p0.xsd
            ims_lip_securitykeyv1p0.xsd
            ims_lip_transcriptv1p0.xsd
            ims_lip_attributesv1p0.xsd
            ims_lip_commonlipv1p0.xsd
            ims_lip_descriptionv1p0.xsd
            ims_lip_evaluationv1p0.xsd
            ims_lip_exrefrecordv1p0.xsd
            ims_lip_extensionv1p0.xsd
            ims_lip_mediav1p0.xsd
            ims_lip_organizationv1p0.xsd
            ims_lip_rolev1p0.xsd
            ims_lip_tuplev1p0.xsd
        LIPfullncxsd
            ims_lip_rootv1p0.xsd
            ims_lip_accessibilityv1p0.xsd
            ims_lip_activityv1p0.xsd
            ims_lip_affiliationv1p0.xsd
            ims_lip_competencyv1p0.xsd
            ims_lip_goalv1p0.xsd
            ims_lip_identificationv1p0.xsd
            ims_lip_interestv1p0.xsd
            ims_lip_qclv1p0.xsd

ims_lip_exrefrecordv1p0.xsd
ims_lip_extensionv1p0.xsd
ims_lip_mediav1p0.xsd
ims_lip_organizationv1p0.xsd
ims_lip_rolev1p0.xsd
ims_lip_tuplev1p0.xsd
dtds
    LIPfulldtd
        ims_lipv1p0.dtd
    LIPfullncdtd
        ims_lipv1p0.dtd
IBM
    xsds
        LIPfullxsd
            ims_lip_rootv1p0.xsd
            ims_lip_accessibilityv1p0.xsd
            ims_lip_activityv1p0.xsd
            ims_lip_affiliationv1p0.xsd
            ims_lip_competencyv1p0.xsd
            ims_lip_goalv1p0.xsd
            ims_lip_identificationv1p0.xsd
            ims_lip_interestv1p0.xsd
            ims_lip_qclv1p0.xsd
            ims_lip_relationshipv1p0.xsd
            ims_lip_securitykeyv1p0.xsd
            ims_lip_transcriptv1p0.xsd
            ims_lip_attributesv1p0.xsd
            ims_lip_commonlipv1p0.xsd
            ims_lip_descriptionv1p0.xsd
            ims_lip_evaluationv1p0.xsd
            ims_lip_exrefrecordv1p0.xsd
            ims_lip_extensionv1p0.xsd
            ims_lip_mediav1p0.xsd
            ims_lip_organizationv1p0.xsd
            ims_lip_rolev1p0.xsd
            ims_lip_tuplev1p0.xsd
        LIPfullncxsd
            ims_lip_rootv1p0.xsd
            ims_lip_accessibilityv1p0.xsd
            ims_lip_activityv1p0.xsd
            ims_lip_affiliationv1p0.xsd
            ims_lip_competencyv1p0.xsd
            ims_lip_goalv1p0.xsd
            ims_lip_identificationv1p0.xsd
            ims_lip_interestv1p0.xsd
            ims_lip_qclv1p0.xsd

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            ims_lip_relationshipv1p0.xsd              ims_lip_relationshipv1p0.xsd
            ims_lip_securitykeyv1p0.xsd               ims_lip_securitykeyv1p0.xsd
            ims_lip_transcriptv1p0.xsd                ims_lip_transcriptv1p0.xsd
            ims_lip_attributesv1p0.xsd                ims_lip_attributesv1p0.xsd
            ims_lip_commonlipv1p0.xsd                 ims_lip_commonlipv1p0.xsd
            ims_lip_descriptionv1p0.xsd               ims_lip_descriptionv1p0.xsd
            ims_lip_evaluationv1p0.xsd                ims_lip_evaluationv1p0.xsd
            ims_lip_exrefrecordv1p0.xsd               ims_lip_exrefrecordv1p0.xsd
            ims_lip_extensionv1p0.xsd                 ims_lip_extensionv1p0.xsd
            ims_lip_mediav1p0.xsd                     ims_lip_mediav1p0.xsd
            ims_lip_organizationv1p0.xsd              ims_lip_organizationv1p0.xsd
            ims_lip_rolev1p0.xsd                      ims_lip_rolev1p0.xsd
            ims_lip_tuplev1p0.xsd                     ims_lip_tuplev1p0.xsd
      dtds                                      dtds
        LIPfulldtd                                LIPfulldtd
          ims_lipv1p0.dtd                           ims_lipv1p0.dtd
        LIPfullncdtd                              LIPfullncdtd
          ims_lipv1p0.dtd                           ims_lipv1p0.dtd
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