FieldWorks LIFT model

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April 1, 2011

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# LIFT introduction

LIFT (Lexicon Interchange FormaT) is an XML standard for storing lexical information in a form that can be used by multiple programs. Programs currently using LIFT to some degree are FieldWorks Language Explorer, WeSay, SOLID, Paratext, and Lexique Pro. The official site for LIFT is <http://code.google.com/p/lift-standard/>. There is also a mailing list at [lexiconinterchangeformat@googlegroups.com](mailto:lexiconinterchangeformat@googlegroups.com) for developers and others interested in the standard.

The formal specification for LIFT can be downloaded from the LIFT website. The latest version as of this writing is lift\_13.pdf which includes some examples of mapping MDF files to LIFT.

This document gives examples of how FieldWorks stores lexical data in the LIFT format. Any reference to LIFT from here on will assume FieldWorks LIFT.

# FieldWorks LIFT

## LIFT project folder

There are several files associated with a LIFT file. These files are all stored in a project folder that is created during the LIFT export. The primary LIFT data is stored in a single .lift file. Each string in the LIFT file includes a writing system id to identify the language and related information about the string. Each language needs to have a corresponding .ldml file that defines the characteristics of the writing system. Some fields in the LIFT file have attributes that come from a list of possibilities, or ranges. A single .lift-ranges file specifies basic information on each of these ranges.

The project folder also has an audio subdirectory that holds any sound/video media files used within FieldWorks and a pictures subdirectory that holds any pictures used within FieldWorks.

## LDML files

## LIFT ranges file

## LIFT file

The basic structure for a LIFT file is shown here

<?xml version="1.0" encoding="UTF-8"?>  
<!--See http://code.google.com/p/lift-standard for more information on the format used here.-->  
<lift producer="SIL.FLEx 7.0.1.40604" version="0.13">  
 <header>  
 <ranges/>  
 <fields/>  
 </header>  
 <entry/>  
 …  
 <entry/>  
</lift>

The outside lift element contains a header element followed by any number of entry elements. The header element contains a ranges element and a fields element.

### Header element

### Entry element

The ranges element contains

# Validating a LIFT file