
L^AT_EX Template

Raymond E. Marcil
<marcilr@gmail.com>

Revision 52 (February 4, 2013)

Abstract

This document contains L^AT_EX Template with Examples.

Contents

| | |
|--|-----------|
| Contents | 2 |
| List of Figures | 3 |
| List of Tables | 3 |
| List of Definitions and Abbreviations | 4 |
| Introduction | 5 |
| Questions | 5 |
| Examples | 6 |
| Escaping < and > Symbols | 6 |
| Enumerate | 6 |
| Comments | 6 |
| Footnotes | 7 |
| Hyperlinks | 7 |
| Table Examples | 7 |
| Verbatim | 9 |
| Version Number | 11 |
| Endnotes | 12 |
| Appendix | 12 |

List of Figures

| | | |
|---|--|----|
| 1 | File and Directory Structure | 10 |
|---|--|----|

List of Tables

| | | |
|---|----------------------------------|---|
| 1 | EASEMENTS_17B Table | 7 |
| 2 | USS XML index elements | 8 |
| 3 | Demo | 8 |
| 4 | Daemons | 8 |
| 5 | XREF_MTR_QMQ Table | 8 |

List of Definitions and Abbreviations

- MOA - Municipality of Anchorage

Introduction

Introduction to the L^AT_EX Template with Examples.

Questions

- Break table column over two rows?

Examples

Series of useful L^AT_EX markup. Need to break out to separate examples.tex file.

Escaping < and > Symbols

To get \$<\$ or \$>\$ just wrap the symbols in \$ for math mode.

Enumerate

1. DNR - Alaska State Department of Natural Resources
 - HI - Historical Index, not maintained since 1982
 - LE - Land Estate, maintained by SGU
 - ME - Mineral Estate, maintaind by SGU
2. Alaska State Surveys
 - ASBLT - As-Built Survey
 - ASCS - Cadastral Survey

Comments

COMMENTS Comment — *Sean Weems, Spring 2003*

We should get the **COMMENTS** column searchable via the landrecords application before we do much anything else – shouldn't be too hard.

Errata: Plats spanning multiple sections

A few anomalies can be observed in the **AKPLATS** table. Specifically plats exist that span multiple sections. Since the table only has a single column, **SCODE**, that accepts a single section code, SGU (Status Graphics Unit) has handled this problem by entering multiple rows in the table, each with a different section that point to the same plat or file. Multiple section plats are indicated by setting the **TCODE** column to the value 37, and making an appropriate notation like *Section 24-25-26-27* in the **REMARKS** column.

[FIXME: Perhaps the **SCODE** column should accept an array of sections?]

Footnotes

See my footnote¹ generated with:

```
\footnote{\href{http://www.google.com/search?q=latex+footnotes}
{Search google for footnotes.}}
```

GoogleGuide — Linking to Search Results.²

Hyperlinks

Use `\href{}` to generate hyperlinks:

```
\href{http://www.google.com}{Google}}
```

Yields: [Google](http://www.google.com)

Table Examples

| Column Name | Type | Description |
|-----------------|---------------|--|
| EQS | VARCHAR2(1) | !NULL map shows village selections |
| ITM_COL | VARCHAR2(1) | USGS ITM column: 1-6 |
| ITM_ROW | VARCHAR2(1) | USGS ITM row: A-E |
| QMQ_ABBR_DNR | VARCHAR2(3) | Three character DNR abbreviation for the QMQ |
| RASTER_FILENAME | VARCHAR2(50) | Physical path to file |
| RASTER_PATHNAME | VARCHAR2(50) | URL path to PDF of map |
| SCODE | VARCHAR2(2) | Supplement map code: 1,2,3,... |
| COMMENTS | VARCHAR2(256) | Plat comments |

Table 1: EASEMENTS_17B Table

¹[Search](#) google for footnotes.

²GoogleGuide — [Linking to Search Results](#).

| XML element | Description |
|-------------|--|
| FNUM | US Survey file number |
| MERIDIAN | BLM meridian code 12 = Copper River 13 = Fairbanks 28 = Seward 44 = Kateel 45 = Umiat |
| TOWNSHIP | Five character Township code |
| RANGE | Five character Range code |
| PAGE | Survey page number 1,2,3,... |
| FILENAME | Relative path to file in direcorey |

Table 2: USS XML index elements

| col 1 | col 2 | col 3 | col 4 |
|--------|--------|--------|--------|
| item 1 | item 2 | item 3 | item 4 |
| item 1 | item 2 | item 3 | item 4 |

Table 3: Demo

| Virtual Machine | Apache | ELM | LM | Elluminate Server |
|--------------------|--------|-----|----|-------------------|
| dcs-elive-prod01 | | x | x | x |
| uaa-elive-dev01 | x | x | x | |
| uaa-elive-server01 | | | | x |
| uaa-elive-prod01 | | x | x | x |
| uaf-elive-prod01 | | x | x | x |
| uas-elive-prod01 | | x | x | x |

Table 4: Daemons

| Column Name | Type | Description |
|-------------|-------------|---|
| MTR | VARCHAR2(9) | Meridian, Township, Range, example: <i>C026S054E</i> |
| QMQ | VARCHAR2(3) | Quarter Million Quadrangle code, example: <i>DIL</i> (Dillingham quadrangle) |

Table 5: XREF_MTR_QMQ Table

Verbatim

“The verbatim environment is a paragraph-making environment that gets \LaTeX to print exactly what you type in. It turns \LaTeX into a typewriter with carriage returns and blanks having the same effect that they would on a typewriter.”³

```
\begin{verbatim}  
    text  
\end{verbatim}
```

Figure formatting with verbatim

The following figure leverages verbatim for proper formatting:

```

gis/raster/
  dnr/
    map_library/
      plats/
        SP/YYYYMMDD/*.pdf          # indexed
        HI/YYYYMMDD/*.pdf          # Indexed
        ASLS/YYYYMMDD/*.pdf        # Indexed
      recorded-plats/
        YYYYMMDD/*.pdf
  blm/
    easements_17b/YYYYMMDD/*.pdf  # indexed
    mtp/YYYYMMDD/*.pdf             # non-indexed
    usrs/YYYYMMDD/*.pdf             # indexed
    usrs-notes/YYYYMMDD/*.pdf       # indexed
    uss/YYYYMMDD/*.pdf              # indexed
    uss-notes/YYYYMMDD/*.pdf        # indexed
    usms/YYYYMMDD/*.pdf             # indexed
    usms-notes/YYYYMMDD/*.pdf       # indexed
  usgs/
    drg/
      collared/
        250K/
        63K/
        25K/
        24/
      decollared/
      tools/
      missing\_data/
    dem/
    doq/
    topo/

```

Figure 1: File and Directory Structure

Version Number

It is often desirable to add a version number to a document for tracking or revision control. CVS or Subversion users can use the `rcs` or `svnInfo` packages for inline version information.

[FIXME: Need to complete details here]

Endnotes

1. L^AT_EX verbatim
<http://www.kfunigraz.ac.at/binder/texhelp/ltx-79.html>

Appendix

A Guide to L^AT_EX
<http://www.astro.rug.nl/kuijken/latex.html>

L^AT_EX - From Wikibooks, the open-content textbooks collection
<http://en.wikibooks.org/wiki/LaTeX>

L^AT_EX Notes
http://luke.breuer.com/time/item/LaTeX_Notes/180.aspx