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# L<sup>A</sup>T<sub>E</sub>X Template

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## Abstract

This document contains L<sup>A</sup>T<sub>E</sub>X Template with Examples.

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## List of Definitions and Abbreviations

- **MOA** - Municipality of Anchorage

# 1 Introduction

Introduction to the L<sup>A</sup>T<sub>E</sub>X Template with Examples.

# 2 Questions

[FIXME: None yet...]

## 3 Examples

Series of useful  $\text{\LaTeX}$  markup. Need to break out to separate examples.tex file.

### 3.1 Escaping $<$ and $>$ Symbols

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

### 3.2 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

### 3.3 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?]

### 3.4 Footnotes

See my footnote<sup>1</sup> generated with:

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

GoogleGuide — Linking to Search Results.<sup>2</sup>

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<sup>1</sup>[Search](#) google for footnotes.

<sup>2</sup>GoogleGuide — [Linking to Search Results](#).

### 3.5 Hyperlinks

Use `\href{}` to generate hyperlinks:

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

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

### 3.6 Simple 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

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

### 3.7 Another Simple Table Example

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 3: XREF\_MTR\_QMQ Table



### 3.8 Verbatim

Verbatim can be used to display text verbatim. Usage:

```
\begin{verbatim}
My verbatim text here...
\end{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

## 4 Appendix

Need content here.