



TheECAPS \LaTeX class
A sample document

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Pete Friedhoff
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This document contains information confidential to ECAPS AB

Approvals

Function	Name	Signature	Date
Systems Engineer	Pete Friedhoff		
etc	etc		
etc	etc		

Applicable Programs SkySat

Revision history

Rev.	Date	Comment
0.1	Dec 5, 2018	Initial release

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1 Introduction

This document is a \LaTeX sample document using the ECAPS latex class `ecaps.cls`.
The latest version of the class and associated files can be found at:

https://github.com/bradford-ecaps/ecaps_latex_class

The ECAPS logo file is located in the same directory as the \LaTeX source files.

2 Class commands

The following commands are provided by this class:

```
\doctitle{<title of the document>}  
\docsubtitle{<subtitle of the document>}  
\docnumber{<document number>}  
\author{<document author>}
```

3 Class Options

`centerpage`
Centers the body text in the page.

`10pt`
Use 10-point font for body text.

`11pt`
Use 11-point font for body text.

`12pt`
Use 12-point font for body text. (This is the default).

This class also takes all options accepted by the article class.

4 Class environments

The following environments are provided by this class:

```

\begin{approvals}
\approver{<name 1>}{<function 1>}
\approver{<name 2>}{<function 2>}
...
\end{approvals}

\begin{applicableprograms}
\applicableprog{program 1}
\applicableprog{program 2}
...
\end{applicableprograms}

\begin{revhistory}
\revitem{<rev number 1>}{<date 1>}{<description of revision 1>}
\revitem{<rev number 2>}{<date 2>}{<description of revision 2>}
...
\end{revhistory}

```

5 Class goodies

Several useful commands are enabled by the `ecaps.cls` class:

```

\super{}
  superscripts the argument, like in 1st or 210;

\sub{}
  subscripts the argument, like in Ai;

\unit{}
  adds units to a number using the correct non-breakable spacing and correct font shaping, like in
  12μV or  $x = 10\,\Omega$ ; works in text or math modes.

\vector{}
  bold fonts for vector or matrices in math mode, like in  $x \in \mathbf{A}^n$ ;

\Re, \Im
  are the real and imaginary part symbols in math mode as in  $I = \operatorname{Re}(Z)$ ,  $Q = \operatorname{Im}(Z)$ ;

\e  Provides easy scientific notation. e.g  $3.2\backslash e{-5} \rightarrow 3.2 \times 10^{-5}$ . Works both in and out of math
mode.

\color{ECAPSBBlue}{}
  e.g. ECAPS Blue! (A lighter touch.)

```

6 Preloaded packages

The following packages are loaded in the `ecaps.cls` class:

`geometry`

provides a flexible and easy interface to page dimensions;

`xcolor`

provides easy driver-independent access to several kinds of colors, tints, shades, tones, and mixes of arbitrary colors by means of color expressions like
`\color{red!50!green!20!blue};`

`graphicx`

enables the inclusion of figures in PDF, JPG or PNG formats (EPS is also possible);

`booktabs`

allows tables to be nicely formatted;

`textcomp`

adds a ton of symbols in text mode;

`hyperref`

enable hyperlinks in the document and external link references through the `\url{}` command;