The **stdclsdv** package[*]

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Abstract

The stdclsdv package is intended to be used by the authors of LaTeX packages that need to know about the sectional divisions provided by the document class.

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1 Introduction

Several packages need to know the kind of sectional divisions provided by the document class.

The stdclsdv package provides a solution for for the case when the document class is one of the LaTeX standard classes (i.e., book, report, article, letter, slides, and classes derived from the article class, namely ltxdoc and proc). It also handles the koma classes.[1]

This manual is typeset according to the conventions of the LaTeX DOC-STRIP utility which enables the automatic extraction of the LaTeX macro source files [GMS94].

Section 2 describes the usage of the package. Commented source code for the package is in Section **??**.

2 The **stdclsdv** package

The stdclsdv package provides several `\if...` macros which can be used to determine the kinds of sectional divisions supported by the current (standard) `\documentclass`.

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[†]This work was originally performed as a Guest Researcher at the National Institute of Standards and Technology.

[1]Courtesy of Joerg Jaspert `Joerg.Jaspert@informatik.fh-fulda.de`.

The package is designed to work with the standard LaTeX document classes book, report, article, proc and ltxdoc class (which is based to a large extent on the article class).

\ifSCDknownclass   \ifSCDknownclass is TRUE iff the document class is one of: book, report, article, letter, slides, proc, ltxdoc, scrbook, scrreprt, scrartcl or scrlettr. Otherwise it is FALSE.

\ifSCDchapter   \ifSCDchapter is TRUE iff the document class defines a \chapter sectional division, otherwise it is FALSE.

\ifSCDpart   \ifSCDpart is TRUE iff the document class defines a \part sectional division, otherwise it is FALSE.

\ifSCDsection   \ifSCDsection is TRUE iff the document class defines a \section sectional division, otherwise it is FALSE.

\ifSCDnodivs   \ifSCDnodivs is TRUE iff the document class has neither \part nor \chapter nor \section divisions, otherwise it is FALSE.

\SCDquit   If the document class or divisioning is not handled by a package, it can be useful to skip all futher package code. This could be done using:

```
...
\ifSCDknownclass
  % normal processing
\else % just before end of package file
  % error/warning message about unknown class
\fi
\endinput
```

Alternatively, using the \SCDQuit command provides a clearer means of accomplishing this. The \SCDquit macro is defined to do nothing. It is intended to be used for prematurely ending a package file in the following manner:

```
\ifSCDknownclass\else
  \renewcommand{\SCDquit}{\endinput}
  % error/warning message about unknown class
\fi
\SCDquit % ends the file iff the class is unknown
% normal processing
...
\endinput
```

\SCDCheckCommand   \SCDCheckCommand takes the same arguments as \newcommand, that is:
\ifSCDSameDefinition   \SCDCheckCommand{⟨command⟩}[⟨nargs⟩][⟨defarg⟩]{⟨definition⟩}
\SCDCheckCommand is identical to the kernel \CheckCommand (see ltdefns.dtx) except that it sets \ifSCDSameDefinition to TRUE iff the definition given in \SCDCheckCommand is the same as the current definition, otherwise \ifSCDSameDefinition is set to FALSE. (\CheckCommand issues a warning if the definitions are different).

References

[GMS94] Michel Goossens, Frank Mittelbach, and Alexander Samarin. *The LaTeX Companion*. Addison-Wesley Publishing Company, 1994.