

# The `eso-pic` package\*

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## Abstract

This package makes it easy to add some picture commands to every page.

## 1 Introduction

This package is an extension to Martin Schröder's `everyshi` package. Using `everyshi`'s `\EveryShipout` command `eso-pic` adds one or more userdefined `picture` commands to `LATEX`'s `shipout` routine.

## 2 Usage

|                                  |   |
|----------------------------------|---|
| <code>AddToShipoutPicture</code> | All the picture commands which are parameters of an <code>\AddToShipoutPicture</code> command will be added to the internal macro <code>\ShipoutPicture@Hook</code> . This macro is part of a zero-length <code>picture</code> environment with basepoint at the lower left corner of the page (similar to <code>postscript</code> ). The <code>picture</code> environment will |
| <code>ClearShipoutPicture</code> | be shipped out at every new page. A call of <code>\ClearShipoutPicture</code> clears the contents of <code>\ShipoutPicture@Hook</code> .  |

## 3 Implementation

```
1 (*package)
2 \NeedsTeXFormat{LaTeX2e}[1995/01/25]
3 \ProvidesPackage{eso-pic}
4   [1998/07/11 v0.5 eso-pic -- extension to 'everyshi' (RN)]
5
6 \RequirePackage{everyshi}[1995/01/25]
7
8 \newcommand{\@ShipoutPicture@Hook}{}
9 \newcommand{\AddToShipoutPicture}{\g@addto@macro\@ShipoutPicture@Hook}
10 \newcommand{\ClearShipoutPicture}{\let\@ShipoutPicture@Hook\empty}
11 \newcommand{\@ShipoutPicture}{%
12   \ifx\@ShipoutPicture@Hook\empty
13   \else
14     \bgroup
15       \@tempdima=1in
16       \@tempcnta=\@tempdima
17       \@tempcntb=-\@tempdima
```

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```

18     \advance\@tempcntb\paperheight
19     \global\setbox\@cclv\vbox{%
20     \vbox{%
21         \unitlength=1sp%
22         \begin{picture}(0,0)(\@tempcnta,\@tempcntb)%
23             \let\protect\relax\@ShipoutPicture@Hook%
24         \end{picture}}%
25     \box\@cclv%
26     }%
27 \egroup
28 \fi
29 }
30
31 \EveryShipout{\@ShipoutPicture}
32 \end{package}

```

## 4 Test file

eso-p-t.tex Produced framed pages.

```

33 (*demo)
34 \documentclass[a4paper]{article}
35 \usepackage{eso-pic,calc}
36 \listfiles
37
38 \makeatletter
39 \AddToShipoutPicture{%
40     \setlength{\@tempdima}{15mm}
41     \setlength{\@tempdimb}{\paperwidth-2\@tempdima}
42     \setlength{\@tempdimc}{\paperheight-2\@tempdima}
43     \setlength{\unitlength}{1pt}\thicklines%
44     \put(\strip@pt\@tempdima,\strip@pt\@tempdima){%
45         \framebox(\strip@pt\@tempdimb,\strip@pt\@tempdimc){}
46     }
47 }
48 \makeatother
49
50 \begin{document}
51
52 \section*{First page}
53
54 This page and all the following have a frame with 15~mm
55 distance from the paper edges.\newpage
56
57 \section*{Second page} \newpage
58
59 \section*{Last page}
60 \end{document}
61 \end{demo}

```