

# The latex-lab-testphase code\*

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## Abstract

## 1 Introduction

This code implements small files which can be loaded with the `testphase` key of `\DocumentMetadata` and which bundle various testphase modules. This will be extended to allow user to load well defined parts of the tagged PDF project.

Currently the values `phase-I`, `phase-II`, `phase-III` and `new-or` (bundles `new-or-1` and `new-or-2`) are provided. `tagpdf` is an undocumented alias for `phase-II` which is kept for compatibility. The value `math` combines various math related files.

## 2 The Implementation

```
1 \<latest>
2 \ProvidesPackage{latex-lab-testphase-latest}
3     [2026-01-16 v0.1e latex-lab modules]
4 \RequirePackage{tagpdf}
5 \AddToDocumentProperties [document]{testphase/tagpdf}{loaded}
6 \RequirePackage{latex-lab-testphase-names}
7 \RequirePackage{latex-lab-testphase-new-or-2}
8 \RequirePackage{latex-lab-testphase-block}
9 \RequirePackage{latex-lab-kernel-changes} %generated by sec, toc
10 \RequirePackage{latex-lab-testphase-sec}
11 \RequirePackage{latex-lab-testphase-sec-template} %overwrite
12 \DeclareHookRule{class/after}{head/example}{voids}{latex-lab-testphase-sec}
13 \RequirePackage{latex-lab-testphase-toc}
14 \RequirePackage{latex-lab-testphase-minipage}
15 \RequirePackage{latex-lab-testphase-graphic}
16 \RequirePackage{latex-lab-testphase-float}
17 \RequirePackage{latex-lab-testphase-bib}
18 \RequirePackage{latex-lab-testphase-text}
19 \RequirePackage{latex-lab-testphase-marginpar}
20 \RequirePackage{latex-lab-testphase-title}
21 \RequirePackage{latex-lab-testphase-table}
22 \RequirePackage{latex-lab-testphase-math}
23 \RequirePackage{latex-lab-testphase-firstaid}
24 \RequirePackage{latex-lab-testphase-tikz}
25 \>latest>
```

---

\*

new-or-1 contains the code for header and footer (tagging and suppressing links) and is always loaded

new-or combines all new-or parts (currently 1+2)

```

26 <*new-or>
27 \ProvidesFile{new-or-latex-lab-testphase.ltx}
28           [2023-06-15 v0.1b latex-lab wrapper new-or]
29 </new-or>

30 <*phase-I>
31 \ProvidesFile{phase-I-latex-lab-testphase.ltx}
32           [2023-02-04 v0.1b latex-lab wrapper phase-I]
33 </phase-I>

34 <*phase-II>
35 \ProvidesFile{phase-II-latex-lab-testphase.ltx}
36           [2023-06-15 v0.1b latex-lab wrapper phase-II]
37 </phase-II>

38 <*phase-III>
39 \ProvidesFile{phase-III-latex-lab-testphase.ltx}
40           [2024-02-12 v0.1c latex-lab wrapper phase-III]
41 \input{phase-II-latex-lab-testphase.ltx}
42 \IfFormatAtLeastTF{2023-06-01}
43 {
44   \RequirePackage{latex-lab-testphase-block}
45   \RequirePackage{latex-lab-testphase-sec}
46   \RequirePackage{latex-lab-testphase-toc}
47   \RequirePackage{latex-lab-testphase-minipage}
48   \RequirePackage{latex-lab-testphase-graphic}
49   \RequirePackage{latex-lab-testphase-float}
50   \RequirePackage{latex-lab-testphase-bib}
51   \RequirePackage{latex-lab-testphase-text}
52   \RequirePackage{latex-lab-testphase-marginpar}
53 }
54 {\PackageWarning{latex-lab}{Testphase III needs newer format}{}}
55 </phase-III>

```

this is only provided for compatibility

```

56 <*tagpdf>
57 \ProvidesFile{tagpdf-latex-lab-testphase.ltx}
58           [2022-11-04 v0.1a latex-lab wrapper tagpdf (deprecated)]
59 </tagpdf>

60 <*tagpdf | phase-I | phase-II | new-or>
61 \RequirePackage{latex-lab-testphase-new-or-1}
62 </tagpdf | phase-I | phase-II | new-or>

```

Support for the new output routine code are loaded in phase-II and new-or:

```

63 <*tagpdf | phase-II | new-or>
64 \RequirePackage{latex-lab-testphase-new-or-2}
65 </tagpdf | phase-II | new-or>

66 <*tagpdf | phase-I | phase-II>
67 \RequirePackage{tagpdf}
68 \AddToDocumentProperties [document]{testphase/tagpdf}{loaded}
69 </tagpdf | phase-I | phase-II>

```

```

70 <tagpdf | phase-II>\tagpdfsetup{activate,para/tagging,activate/spaces}
71 <tagpdf | phase-II>\AddToDocumentProperties [document]{tagging/para}{active}
72 <phase-I>\tagpdfsetup{activate,activate/spaces}
73 <*tagpdf | phase-I | phase-II>
74 \AddToDocumentProperties [document]{tagging}{active}
75 \AddToDocumentProperties [document]{tagging/interwordspace}{active}
76 </tagpdf | phase-I | phase-II>

testphase wrapper files for math:
77 <*math>
78 \ProvidesFile{math-latex-lab-testphase.ltx}
79 [2023-07-20 v0.8a latex-lab wrapper math]
80 \RequirePackage{latex-lab-testphase-math}
81 </math>

82 <*math-package>
83 \ProvidesPackage{latex-lab-testphase-math}
84 [2025-03-10 v0.8d code related to the math tagging]
85 \input{latex-lab-math.ltx}
86 \AddToHook{package/amsmath/after}{\input{latex-lab-amsmath.ltx}}
87 \AddToHook{package/mathtools/after}{\input{latex-lab-mathtools.ltx}}
88 \input{latex-lab-mathpkg.ltx}
89 \input{latex-lab-mathintent.ltx}
90 \AddToHook{package/unicode-math/after}{\input{latex-lab-unicode-math.ltx}}
91 \AddToHook{package/luamath/after}{\input{latex-lab-unicode-math.ltx}}
92 </math-package>

```

## Index

The italic numbers denote the pages where the corresponding entry is described, numbers underlined point to the definition, all others indicate the places where it is used.

A		P	
\AddToDocumentProperties	5, 68, 71, 74, 75	\PackageWarning	54
\AddToHook	86, 87, 90, 91	\ProvidesFile	27, 31, 35, 39, 57, 78
		\ProvidesPackage	2, 83
D		R	
\DeclareHookRule	12	\RequirePackage	4,
\DocumentMetadata	1		6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17,
			18, 19, 20, 21, 22, 23, 24, 44, 45,
			46, 47, 48, 49, 50, 51, 52, 61, 64, 67, 80
I		T	
\IfFormatAtLeastTF	42	\tagpdfsetup	70, 72
\input	41, 85, 86, 87, 88, 89, 90, 91		