The **sdapspdf** package[*]

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1 Documentation

Please refer to `https://sdaps.org/class-doc` for documentation.

2 Implementation

This package uses the LATEX3 language internally, so we need to enable it.

```
1 % We need at least 2011-08-23 for \keys_set_known:nnN
2 \RequirePackage{expl3}[2011/08/23]
3 %\RequirePackage{xparse}
4 \ExplSyntaxOn
```

And we need a number of other packages.

```
5 \ExplSyntaxOff
6
7 \RequirePackage{sdapsbase}
8 \RequirePackage{hyperref}
9
10
11 \ExplSyntaxOn
12
```

2.1 PDF Support

This package adds basic overlays to SDAPS boxes so that they become editable. It is also possible to pre-fill them using overrides or the normal mechanism to set variables for box drawing.

```
13
14
15 \bool_new:N \l__sdaps_pdf_form_bool
16 \bool_new:N \l__sdaps_pdf_checkbox_default_bool
```

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[*]This document corresponds to **sdapspdf** v0.1, dated 2015/04/10.

```
17 \tl_new:N \l__sdaps_pdf_checkboxsymbol_tl
18
19 \keys_define:nn { sdaps / checkbox / overlay / pdfform }
20 {
21   pdf_form          .bool_set:N  = \l__sdaps_pdf_form_bool,
22   pdf_form          .initial:n   = false,
23
24   default           .bool_set:N  = \l__sdaps_pdf_checkbox_default_bool,
25   default           .initial:n   = false,
26
27   checkboxsymbol    .tl_set:N    = \l__sdaps_pdf_checkboxsymbol_tl,
28   checkboxsymbol    .initial:n   = 8,
29 }
30
31 \cs_new_protected_nopar:Nn \_sdaps_pdf_overlay_checkbox_form:
32 {
33   \keys_set_known:nV { sdaps / checkbox / overlay / pdfform } { \l_sdaps_parse_unknown_tl } %
34
35   \bool_if:NT \l__sdaps_pdf_form_bool {
36     \node[anchor=center,inner~sep=0pt,outer~sep=0pt] at ($(\l_sdaps_x_dim, \l_sdaps_y_dim) + 0.
37       \CheckBox[name=\l_sdaps_var_tl,bordersep=0,borderwidth=0pt,checkboxsymbol=\l__sdaps_pdf_c
38     };
39   }
40 }
41 \seq_put_left:Nn \g__sdaps_checkbox_overlays_seq \_sdaps_pdf_overlay_checkbox_form:
42
43
44 \cs_new_protected_nopar:Nn \_sdaps_pdf_overlay_text_form:
45 {
46   \keys_set_known:nV { sdaps / checkbox / overlay / pdfform } { \l_sdaps_parse_unknown_tl } %
47
48   \bool_if:NT \l__sdaps_pdf_form_bool {
49     \node[anchor=center,inner~sep=2pt,outer~sep=0pt] at ($(\l_sdaps_x_dim, \l_sdaps_y_dim) + 0.
50       \dim_set:Nn \l_sdaps_width_dim { \l_sdaps_width_dim - 4pt }
51       \dim_set:Nn \l_sdaps_height_dim { \l_sdaps_height_dim - 4pt }
52
53       \TextField[name=\l_sdaps_var_tl,bordersep=0pt,borderwidth=0pt,bordercolor=,backgroundcolo
54     };
55   }
56 }
57 \seq_put_left:Nn \g__sdaps_textbox_overlays_seq \_sdaps_pdf_overlay_text_form:
58
59
60
61 \ExplSyntaxOff
62
63 %
```

Change History