The **HEP-ACRONYM** package

An acronym extension for glossaries

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Abstract

The **HEP-ACRONYM** package provides an acronym macro based on the **glossaries** package.

Acronyms are implemented using the **glossaries-extra** package [1] which is an extension of the **glossaries** package [2] and must be loaded after the **hyperref** package [3]. It can be loaded using \usepackage{hep-acronym}.

The \texttt{\textbackslash acronym} \texttt{\{\textbackslash typeset abbreviation\}\{\textbackslash abbreviation\}\{\textbackslash definition\}\{\textbackslash plural definition\\)} macro generates the singular \texttt{\textbackslash \{\textbackslash abbreviation\\}} and plural \texttt{\textbackslash \{\textbackslash abbreviation\}\textbackslash s} macros.

The first star prevents the addition of an ‘s’ to the abbreviation plural. The second star restores the \TeX{} default of swallowing subsequent white space. The long form is only shown at the first appearance of these macros, later appearances generate the abbreviation with a hyperlink to the long form. Capitalisation at the beginning of paragraphs and sentences is (mostly) ensured. The long form is never used in math mode which can be exploited to enforce the short form. In order to enforce the long form use \texttt{\textbackslash glosdesc\{\textbackslash abbreviation\\}. As there can be no fixed rule whether to use the long form or the short form in section headers the user is left to their own devises \textit{e.g.} \texttt{\textbackslash glosdesc\{\textbackslash abbreviation\\}}, \texttt{\textbackslash Glosdesc\{\textbackslash abbreviation\\}.

The \texttt{\shortacronym} and \texttt{\longacronym} macros are drop-in replacements of the \texttt{\textbackslash acronym} macro showing only the short or long form of their acronym.

The first use form of the acronym can be enforced by resetting the acronym counter with \texttt{\resetacronym\{\textbackslash key\\}}.

If the acronym counter equals one at the end of the document the short form of the acronym is not introduced. Placing a \texttt{\dummyacronym\{\textbackslash key\\}} at the end of the document ensures that the short form is introduced.

In order to reduce the number of potentially conflicting packages the **glossaries** package is loaded without any glossary style. In the case that the glossary should be printed additional packages must be loaded via \textit{e.g.} \texttt{\usepackage{glossary-list}}.

\texttt{\textbackslash acronym}\{\textbackslash typeset abbreviation\}\{\textbackslash abbreviation\}\{\textbackslash definition\}\{\textbackslash plural definition\\}

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*This document corresponds to **HEP-ACRONYM** v1.0.

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References

