

# m\_hdr\_chk\_structure.sas File Reference

## Documentation

Header macro to check or verify the program header structure

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### Description

This program is used to check if the program header structure is compliant to the standard Doxygen program header commands, together with the toolbox own custom command syntax extension. The following Doxygen program header commands are mandatory:

- `\\file`
- `\\ingroup`
- `\\brief`
- `\\details`
- `\\author`
- `\\date`
- `\\version`
- `\\sa`
- `\\param`
- `\\return`
- `\\calls`
- `\\usage`
- `\\example`

The following Doxygen program header commands are optional:

- `\\note`
- `\\todo`
- `\\warning`

### Note

*The `\\param` command is checked for valid suffices `[in]` and `[out]`. All other given suffix values will result as invalid.*

## Link

<https://github.com/paul-canals/toolbox>

## Parameters

Input	help	Parameter, if set (Help or ?) to print the Help information in the log. In all other cases this parameter should be left out from the macro call.
Input	in_file	FILEPATH/FILENAME[.sas]. Specifies the full path and file name of the source SAS program or SAS macro header structure to be checked. The default value for IN_FILE is: _NONE_.
Input	out_tbl	[LIBREF.TABLE]. Optional. Full qualified name containing the header command summary info. The default value for OUT_TBL is: _NONE_.
Input	err_tbl	[LIBREF.TABLE]. Optional. Full qualified name containing the header exceptions summary info. The default value for OUT_TBL is: _NONE_.
Input	cmd_lst	CMD1[CMD2..CMDn]. Parameter to specify an ordered list of valid Doxygen header command statements.
Input	lbl_lst	Label1[Label2..Labeln]. Parameter to specify an ordered list of labels for each Doxygen header command statement listed in CMD_LST.
Input	opt_lst	Optional. List [CMD1[CMD2..CMDn]] parameter that contains Doxygen header command statements which are valid if these are placed directly after the details header command section.
Input	print	[Y N]. Boolean parameter to generate the output by using proc report steps with style HtmlBlue. The default value for PRINT is: N.
Input	sendmail	[Y N]. Boolean parameter to specify if a result summary document in PDF format will be send to one of more addresses defined by the MAILADDR parameter. The default value is: N.
Input	mailaddr	[EMAILADDRESS]. Optional. Specifies one or more email addresses to which notifications will be send to. When using more than one address, the parameter contains a list of email addresses seperated by a blank character.
Input	debug	[Y N]. Boolean parameter to provide verbose mode information. The default value is: N.

## Returns

- A result summary of the program header status.

## Calls

- [m\\_utl\\_hash\\_lookup.sas](#)
- [m\\_utl\\_mail\\_notification.sas](#)
- [m\\_utl\\_print\\_message.sas](#)
- [m\\_utl\\_print\\_mtrace.sas](#)

## Usage

Example 1: Show help information:

```
%m_hdr_chk_structure(?)
```

Example 2: Check header syntax and print a result summary report in html:

```
%m_hdr_chk_structure(  
  in_file = %str(&APPL_PRGM./m_hdr_chk_structure.sas)  
  , print  = Y  
  , debug  = N  
);
```

Example 3: Check header syntax and mail a result summary report in pdf format:

```
%m_hdr_chk_structure(  
  in_file = %str(&APPL_PRGM./m_hdr_chk_structure.sas)  
  , sendmail = Y  
  , mailaddr = %str(pact@hermes.local)  
  , debug    = N  
);
```

Example 4: Check header syntax and save the result summary in library WORK:

```
%m_hdr_chk_structure(  
  in_file = %str(&APPL_PRGM./m_hdr_chk_structure.sas)  
  , out_tbl = WORK.header_result  
  , print   = N  
  , debug   = N  
);
```

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