**ASAM CheckerLib for OpenSCENARIO**

**Documentation**

* link to standard

https://www.asam.net/standards/detail/openscenario-xml/

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# Base checks

## check\_file\_exist

* Short description

checks whether the file exists on the hard disc.

* how to test

checks whether the file exists on the hard disc at the folder and whether it is a file.

* Format Versionen

any version

* check file

base\_checks\check\_file\_exist.py

* Output
  + Issue: Level: Error
  + causes check cancellation

## check\_xml\_parsing

* Short description

checks if xml file can be parsed

* how to test

checks if xml file can be opened and parsed

Prerequisite: file must exist and be readable as xml

* Format Versionen

any version

* check file

base\_checks\check\_xml\_parsing.py

* Output
  + Issue: Level: Error
  + causes check cancellation

# Schema checks

## check\_version

* Short description

reads the version number from the OpenScenario file

* how to test

reads the version number from the tags "revMajor", "revMinor" from the OpenScenario file

* Format Versionen

Schema file of versions 1.1, 1.2, 1.3, 1.4, 1.5, 1.6.1, 1.7.0 are available.

* check file

schema\_checks\check\_schema.py

* Output
  + Issue: Level: Error
  + causes check cancellation

## check\_schema

* Short description

The XML tree is tested against the XML schema (xsd) according to the version of the OpenDrive file.

* how to test

The OpenDrive version is determined from the header. The schema file corresponding to this version is then loaded and the XML tree is validated against it.

Prerequisite: file must exist and be readable as xml, version must be read out

* Format Versionen

Schema file of versions 1.1, 1.2, 1.3, 1.4, 1.5, 1.6.1, 1.7.0 are available.

* check file

schema\_checks\check\_schema.py

* Output
  + Issue: output of schema validation process
    - Level: Error
    - Location: xml , file