

ASCOM GenericSafety Safety Monitor

This driver will read a file and use the contents to set the ASCOM IsSafe property.

The file format is a single line of text which changes as the monitored condition is changed. Two different strings of text are used to set the safety state.

The file can be generated in a script or batch file, for example:

SetSafe.bat could contain
Echo safe > safety.txt

And SetUnsafe.bat could contain
Echo unsafe > safety.txt

The driver has to be set so it knows the path to the safety file and the strings that define the safe and unsafe states.

Safety States

Failures will cause the driver to report the safety property IsSafe as false, i.e. unsafe.

This will happen if:

The file cannot be opened

The file does not contain a recognised string

Both strings can be matched, for example “safe” and “unsafe” both contain “safe” but the unsafe check is done first and so wins.

The file can contain more than the specified text in the first line, so “UPS state safe” will report safe and “UPS state is unsafe” will report unsafe.