

command procedures

Command procedures are used to envelop certain tasks into one "command" to be run in Seismic Handler. This is very similar to subroutines in other environments. Since Seismic Handler does not support functions nor subroutines, each command procedure has to be created as a file. Usually globally used command procedures are placed in the directory `sh/command`, project related procedures mostly exist in the project's working directory.

calling

A command procedure is called typing the name of the command file without extension (.SHC). There can be parameters passed to the command procedure which can be referenced from within the procedure by "#<parno>", where <parno> is the position number of the parameter. Valued or non-valued qualifiers can be passed as well. They can be referenced by "#<qualname>", where <qualname> is the name of the qualifier. In the command procedure "#<qualname>" is replaced by its value, by "_NOVALUE_" if no value is passed or by "_EXISTSNOT_" if the qualifier is not specified.

Example for passing parameters and qualifiers:

Assume the call of a command procedure `CMDPROC` as: `CMDPROC/NAME=PETER/TEST LISTFILE TESTPAR`

Inside the command procedure the following expressions are replaced by:

Expression	replaced by
#1	LISTFILE
#2	TESTPAR
#NAME	PETER
#TEST	_NOVALUE_
#MYQUAL	_EXISTSNOT_

program control qualifiers

There are some qualifiers defined which can be passed to any command procedure which are interpreted in the following way:

- `/parent`
Interactive input for the command procedure is read from the parent command level and not from the main input level (main input level is usually the interactive level 0, unless a command procedure is run with the `/PLAYBACK` qualifier passed).
- `/check`
If the command file is not found then no error is produced, the command call is ignored.
- `/playback`
While this command procedure is active all interactive input is read from this command file (the main input level is set to this command level). This qualifier is useful if a protocol file is to be run, then all interactive input is recovered from the protocol file and is not prompted again from the user.

- /dc=<channels> /ic=<channels> /gc=<channels>
Set dialog ("/DC"), info ("/IC") or graphic ("/GC") channels to new values. <channels> is a character string containing valid channel characters (see below). These settings are local to the command procedure unless the /GLOBAL or the /MAIN qualifier is specified too.
- /dc+=<channels> /ic+=<channels> /gc+=<channels>
Add channels to the existing dialog ("/DC+"), info ("/IC+") or graphic ("/GC+") channels. <channels> is a character string containing valid channel characters (see below). These settings are local to the command procedure unless the /GLOBAL or the /MAIN qualifier is specified too.
- /dc-=<channels> /ic-=<channels> /gc-=<channels>
Close channels of the existing dialog ("/DC-"), info ("/IC-") or graphic ("/GC-") channels. <channels> is a character string containing valid channel characters (see below). These settings are local to the command procedure unless the /GLOBAL or the /MAIN qualifier is specified too.
- /flags=<flags>
Set the control flags to new values. <flags> is a character string containing valid control flag characters (see below). These settings are local to the command procedure unless the /GLOBAL qualifier is specified too.
- /flags+=<flags>
Add control flags to the existing ones. <flags> is a character string containing valid control flag characters (see below). These settings are local to the command procedure unless the /GLOBAL qualifier is specified too.
- /flags-=<flags>
Remove control flags from the existing ones. <flags> is a character string containing valid control flag characters (see below). These settings are local to the command procedure unless the /GLOBAL qualifier is specified too.
- /global
New settings of the dialog, info and graphic channels and the settings of the control flags are not local to the command procedure but are used for any new created command level.
- /main
The settings of the dialog, info and graphic channels are changed in the main input level (the current command level is not affected).

valid channel characters

"1".."7"	window number (only one window per stream permitted)
"H"	hardcopy channel
"S"	standard text channel
"F"	file
"X"	graphical channel (X-window)
"0"	all channels closed

valid control flag characters

"E"	echo all inputs
"T"	trace option (prompt after each command)
"P"	protocol flag (all inputs are protocolled)
"C"	cap conversion (lowercase is converted to uppercase)
"V"	verify command (all translated commands are displayed)
"X"	abort command procedure on error
"A"	abort seismhandler on error