**Jcf file HARDWARE COMMANDS:**

**Command: SR**

Synopsis: SR <address> <data>

Description:

The SR function sets a Rc52x register, located at address <address> according to data <data>, both specified as an 8-bit HEX value.

**Command: GR**

Synopsis: GR <address>

Description:

The GR function gets data from a Rc52x register, located at address <address> (8-bit HEX). The retrieved value is stored in IOR.

**Command: MR**

Synopsis: MR <address> <mask> <set>

Description:

The MR function modifies a Rc52x register, located at address <address>. The mask <mask> specifies which bits to modify by having the corresponding bits set. If the <set> parameter is nonzero, the corresponding bits are set, otherwise cleared. All values are in 8-bit HEX format.

**Command: RE**

Synopsis: RE <address> <data>

Description:

The RE function compares a Rc52x register, located at address <address> to data, specified in the <data> parameter. If equal, IOR is 0, otherwise 1. All values are in 8-bit HEX format.

**Command: RF**

Synopsis: RF <address> <data> <mask>

Description:

The RF function compares a Rc52x register, located at address <address> to data, specified in the <data> parameter, AND'ed with the content of <mask>. If equal, IOR is 0, otherwise 1. All values are in 8-bit HEX format.

**APPLICATION COMMANDS:**

**Command: CHB**

Synopsis: CHB <bitrate>

Description:

The CHB function sets the <bitrate> (in bps) of the PC serial port. Possible values are: {9600, 19200, 38400, 57600, 115200}.

**Command: WIE**

Synopsis: WIE <timeout\_ms>

Description:

The WIE function waits for an edge at the serial port's RI pin. Maximum waiting time is specified by <timeout\_ms>, in [ms]. This function should be used with caution only (not recommended).

**Command: WIL**

Synopsis: WIL <level> <timeout\_ms>

Description:

The WIL function waits for the serial port's RI pin to reach a certain logical level, specified by <level>, (= {0, 1}) Maximum waiting time is specified by <timeout\_ms>, in [ms]. This is the preferred intr. function.

**Command: SLP**

Synopsis: SLP <timeout\_ms>

Description:

The SLP function waits for the time is specified by <timeout\_ms>, in [ms] to expire.

**Command: CLL**

Synopsis: CLL

Description:

The CLL function removes all content from the application's LOG window.

**Command: //**

Synopsis: // <Comment Text>

Description:

The // function does nothing but allow comments being added to a script. The text <Comment Text> must be separated from the command by at least one blank.

**Command: //>**

Synopsis: //> <Message Text>

Description:

The //> function allows messages to be displayed during script execution. The text <Message Text> must be separated from the command by at least one blank.

**Command: //#**

Synopsis: //# <data>

Description:

The //# function allows data to be displayed during script execution. The <data> parameter can be either plain data (8-bit HEX) or a User Register.

**Command: JMP**

Synopsis: JMP <destination>

Description:

The JMP function skips script commands until a label with the name <destination> is found. The label name <destination> should contain only {a..z, A..Z, \_}.

**Command: JNE**

Synopsis: JNE <value> <compare\_value> <destination>

Description:

The JNE function compares User Register or plain data <value> to <compare\_value>. If unequal, the function skips script commands until a label with the name <destination> is found. Data are in 8-bit HEX format.

**Command: :::**

Synopsis: ::: <destination>

Description:

The ::: function is the <destination> of the JUMP commands. The label name <destination> should contain only {a..z, A..Z, \_}.

**Command: MOV**

Synopsis: MOV <destination> <source>

Description:

The MOV function copies User Register or plain data from <source> to <destination>. Data are in 8-bit HEX format.

**Command: INC**

Synopsis: INC <user\_register>

Description:

The INC function increments a user register.

**Command: DEC**

Synopsis: DEC <user\_register>

Description:

The DEC function decrements a user register.

**Command: BRK**

Synopsis: BRK

Description:

The BRK function stopps the execution of the current script.

**Command: SAV**

Synopsis: SAV [<File Name>]

Description:

The SAV function stores the log output to the current working directory. The File Name is used if present (max. length of 32 char). If no parameter is present a file dialog is opened to specifiy the location and the name.

**USER REGISTERS:**

User registers are divided into special purpose registers IOR and IOE and general purpose registers MLn, where n = 0..7. The special purpose register IOR contains the result (data, if any) of an I/O operation. IOE is the error register, zero means success, one failure.