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; RFC-1/B script for ProComm Plus for Windows
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; The constants below should be changed to reflect your RFC-1/B.  The original
; settings will dial the Sine Systems demo transmitter and log its readings.

; TelNum is the telephone number to dial to reach the RFC-1/B.

; MainCode is the main security code of the RFC-1/B.

; SiteID is the site ID that is programmed in the RFC-1/B.  This is not
; usually case sensitive but it must be exact spaces, etc.

; Setup is a modem init string in addition to the one that the com program
; already sends.  This must be changed to one that works with your modem.  Use
; this to disable fax, compression, and automatic error correction.

; ChStart/ChStop are the start and stop channels to log readings.

; LogPath/LogFile are the path and filename of the file to log readings.

; ToDisk/ToPrint will toggle disk and printer logging.  1 is on, 0 is off.

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; Constants
; - - - - -
#define TelNum "1-615-777-7321"
#define MainCode "12345678"
#define SiteID "This is RFC1B"
#define Setup "AT\N"
#define ChStart 0
#define ChStop 13
#define LogPath "C:"
#define LogFile "RFC1LOG.TXT"
#define ToDisk 1
#define ToPrint 0

; - - - - -
; Global Variables
; - - - - -
string ErrMsg=""

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; Main Procedure
; - - - - -
proc main

; Setup file capture properties
set capture autostart off
set capture file LogFile
set capture overwrite off
set capture path LogPath
set capture query off
set capture recordmode screen

; Make three attempts at logon
clear
call DoLogon

if $CARRIER==0
    hangup
    statmsg "Making second attempt in 90 seconds"
    pause 90
    call DoLogon
endif

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if $CARRIER==0
    hangup
    statmsg "Making third attempt in 90 seconds"
    pause 90
    call DoLogon
endif

; Clear before logging
clear

; Capture to disk enable
if ToDisk==1
    capture on
endif

; Capture to printer enable
if ToPrint==1
    printcapture on
endif

; Display header
call DoHeader

if $CARRIER==1
; Take readings
    call TakeReadings
else
; Log message
    termwrits "^M^J"
    termwrits "Could not establish connection"
    termwrits "^M^J"
    termwrits ErrMsg
    termwrits "^M^J"
endif

; Display footer
call DoFooter

; End capture
capture off
printcapture off

; Logoff and hangup
statmsg "Hanging up"
transmit "99"
hangup
pause 2
statmsg ""
endproc

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; Login Procedure
; - - - - -
proc DoLogon

; Send modem setup string
statmsg "Setting up modem"
transmit Setup
transmit "^M"
waitfor "OK" 5
pause 2
if FAILURE
    ErrMsg="Setup string is invalid for this modem"
    return
endif

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; Send modem dial command and wait for connect message
statmsg "Dialing"
transmit "ATDT"
transmit TelNum
transmit "^M"
statmsg "Waiting for connect"
waitfor "CONNECT" 60
if FAILURE
    ErrMsg="No connection"
    return
endif

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; Wait for login prompt
statmsg "Waiting for prompt"
waitfor "ENTER" 10
if FAILURE
    ErrMsg="No logon prompt"
    return
endif

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; Send security code
statmsg "Logging on"
mspause 500
transmit MainCode
transmit "^M"
waitfor SiteID 5
if FAILURE
    ErrMsg="Incorrect security code"
    return
endif
endproc

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; Readings Procedure
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proc TakeReadings

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; Local variables
integer Tens
integer Ones
integer LoopNum
string ChannelNum

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; Take readings
statmsg "Taking readings"
for LoopNum = ChStart upto ChStop
    Tens=LoopNum/10
    Ones=LoopNum%10
    itoa Tens ChannelNum
    transmit ChannelNum
    itoa Ones ChannelNum
    transmit ChannelNum
    waitfor "^M" 3
    if FAILURE
        termwrites "Error: "
        termwrites ChannelNum
        termwrites "^M^J"
    else
        mspause 500
    endif
endfor
endproc

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; Header Procedure

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; - - - - -
proc DoHeader
; Local variables
  string DateCap
  string TimeCap

; Header routine
  ltimestrs $LTIME DateCap TimeCap
  termwrites "-----^M^J"
  termwrites "Site:  "
  termwrites SiteID
  termwrites "^M^J"
  termwrites "Date:  "
  termwrites DateCap
  termwrites "^M^J"
  termwrites "Time:  "
  termwrites TimeCap
  termwrites "^M^J"
  termwrites "-----^M^J"
endproc

; - - - - -
; Footer Procedure
; - - - - -
proc DoFooter
  termwrites "End of set"
  termwrites "^M^J^M^J"
endproc

; - - - - -
; End of file
; - - - - -
```