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TCL DataBlast modem certified for use with BACS

This bulletin is to announce the certification of the TCL DataBlast modem for use with Global BACS.

The following programming sequence initialises the Data Blast modem into the correct V32 synchronous mode for subsequent data transfer to BACS using the Global Comms 2780 product:

AT&F	restore default factory configuration
AT&Z0=nnnnnnnn	set up phone no. of BACS computer modem
AT&C1&D2&Q2&M2&S1&R0&X0S0=0 put modem in synchronous mode etc.	
AT&W0&Y0	store as config 0, make config 0 the default.

This programming must be established via an asynchronous terminal, or a PC running an asynch terminal emulation program such as Global PC Workstation. Although these sequences put the modem into synchronous communication mode, the modem only communicates via the RS232 port in synchronous mode when it is online to another modem. Thus a user can always connect an asynchronous terminal to the modems RS232 port, and reprogram it, when it is "on-hook".

For example, if the modem is to be used in either synchronous or asynchronous modes at different times, then the programming sequences listed above can be used to set the modem into synchronous mode when it is switched on. The programming sequences for asynchronous mode should be stored in config 1 and these selected via a serial terminal, or a terminal emulator on a PC, with an ATZ1 command, when required for asynchronous operation.

The cable required for connection between the IBM bisynchronous communications card and the TCL DataBlast modem is a male to female RS232 cable with the following pins connected straight through:-

Pins: 1,2,3,4,5,6,7,8,15,17,20

The Global Comms configuration parameters are as follows:–

Protocol used	2780/E	Synch/Asynch	S
Half or Full Duplex	H	Data Buffer	400
First Dev. Add.	0003A0	Sec. Dev. Add.	000000
First Interrupt	00002C	Sec. interrupt	000030
Parameter A	000000	Parameter B	000000
Rx Active timeout	50*(T)	Connect timeout	40 (S)
Tx complete timeout	5* (S)	Idle timeout	5 (S)
CTS timeout	20 (T)	Break length	10 (T)
Transmit Rate	9600	Receive rate	9600
Parity	N	No of data bits	8
No. of Syns.	3	Break	N
Connection	2		

* The values of the Rx active timeout and Tx complete timeout should be satisfactory for most circumstances. These values may need to be increased if the phone line is of poor quality.

The programming listed above will cause the modem to dial the number stored in directory zero when the Global Communications option is chosen in Global BACS.