AVAILABLE 1800 RPQ INFORMATION

The IBM 1800 Data Acquisition and Control System is one of several systems in the IBM product line. Each of the systems has their own unique characteristics and capabilities. One characteristic of the 1800 System that first draws attention is the variety of standard features available to it. Usually, the next characteristic that draws attention is the flexibility of configurations of these available standard features. For some people these two characteristics taken in combination tend to cast veil of mystery over the system.

We now come to the subject at hand. This subject is called Request for Price Quotation (RPQ). Generally speaking adding an RPQ to a standard system complicates the situation a little bit. In the case of the 1800 it seems that it complicates the situation quite a bit. As a consequence, there are those who believe that an 1800 System with RPQ's included in its configuration is nothing short of black art. This apparent situation is amplified by the fact that a number of 1800 RPQ's have several different options available within themselves. This does tend to make more pitfalls available if details are not looked after closely in arriving at the proper configuration. Then, if some details have been overlooked and the order is submitted for processing, additional pitfalls present themselves. This, of course, tends to enhance the idea that 1800 RPQ's and their support are in the black art area. This is not the true case. The 1800 System along with its RPQ portfolio enjoys the same support that any other IBM system or product has.

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Let's take a look now at today's available 1800 RPQ portfolio and how that RPQ portfolio is available to you the customer. As suggested, I will use RPQ CO8763 the asynchronous Start/Stop Telecommunications Adapter RPQ as an example. I will also be talking about information available from day one of an RPQ's life to the end of its operational existence.

Today there are 320 distinct different RPQ's available to the 1800 System. I should add, many of these RPQ's are also available to an 1827 attached to a System 360 or 370. These 320 RPQ's are on 3 different approval levels of availability to you.

38 of the 320 RPQ's are available on the published "P" list. Being on the "P" list means that your IBM Account Representative can order the RPQ as if it were published in the Sales Manual. In other words, no additional approval level is required. What this really amounts to is minimum response time from the time of your recognized requirement until order entry and, therefore, subsequent delivery of this RPQ and its function to you. RPQ CO8763 has been in this category for a matter of four or five years at this point in time.

256 of the available 320 RPQ's are on the Regional "R" list. For these 256 RPQ's your local IBM Account Representative must submit another RPQ which we call a Field Request RPQ to Boca Raton to receive bid approval. This not a rubber stamp activity but it is

a check and balance method to attempt to eliminate some of the above mentioned possible pitfalls in configuration and/or ordering. If the Boca Raton representative spots one of these possible pitfalls or feels there may be a better solution he will establish telephone communications with your IBM Account Representative to discuss exactly what your requirements are. When he is satisfied that we have arrived at the best possible solution to your requirements he will approve that particular RPQ, or family of RPQ's, back to the IBM Account Representative to bid to you.

The final 26 of the 320 1800 RPQ's are retained on the Laboratory level of approval. If one of these 26 RPQ's seems to be the best solution for your requirements, your IBM Account Representative will forward the Field Request RPQ to Boca Raton for initial screening. Boca Raton will forward it to the San Jose Laboratory for analysis and possible approval. The reason for this level of approval is possible configuration complexities or difficulties.

The analysis of an 1800 RPQ that has been forwarded to the San Jose Laboratory includes analyzing the present system configuration according to Laboratory records, as well as any other features or RPQ's that may be in the order backlog according the San Jose records. In addition, it is frequently necessary to check with the Engineering Department to establish whether the requested RPQ, along with the present system configuration indeed does have a true compatibility. Depending on what these investigations

reveal it is sometimes necessary to consult with Field Engineering Technical Operations and the Manufacturing facility to make sure that we are approving a total buildable, operational and supportable system configuration. When all of these areas of concern are satisfactorily resolved, the RPQ will be approved by the Laboratory and returned to Boca Raton for subsequent processing and returning to the Branch Office and your IBM Account Representative for bidding to you. Of course, the above process is an effort to eliminate possible installation and/or operational conflicts in the future.

It should be mentioned that the approval procedure talked about above holds true for all of our World Trade countries, as well as in the United States. The 1800 System was developed and has always been manufactured in San Jose for all of the United States as well as the World Trade requrements. As a consequence, some RPQ's have been released by San Jose that are uniquely applicable in some cases only to World Trade countries. An example of this applies to our RPQ C08763. This RPQ is numbered C08897 and its name is TPA Compatible to NTT Standards. RPQ C08897 modifies RPQ C08763. This modification to RPQ C08763 makes its data set interface compatible with the electrical signal characteristics of the Japanese NTT Electrical Standards.

It may be of interest to identify how these 320 available 1800 RPQ's came to be. They are the survivors of approximately 1600

to 1700 RPQ's that have been estimated, priced and released in the life of the 1800 System. Those that are not available today simply did not find a viable market for themselves. As a consequence they were withdrawn from the marketplace.

Now, let's take a look at how the information on these RPQ's is made available to the marketplace. The information document is known as a Description and Price Transmittal (D & PT). As its name implies, the D & PT conveys a functional description as well as pricing information and special ordering information if it is applicable. This D & PT document was written for each of the 1600 to 1700 RPQ's mentioned above before they were bid to the first customer. The D & PT is retained in the Laboratory files even if its RPQ never was ordered and therefore never was built or delivered. Because of this policy a D & PT exists for all released RPQ's from the first day of their life, regardless of how short that life might eventually be. The volume of information content of each D & PT is dependent upon the function or the complexity of a particular RPQ. Some D & PT's are simply a one page document. The D & PT for RPQ C08763 is an eight page document. One of the most voluminous D & PT's (20 pages) is also associated with PRQ C08763. This D & PT describes the PRPQ that supports C08763. The number of that PRPQ is P08001 and its name is Start/Stop Terminal Control Program. Of course, all of the D & PT's are subject to revision as experience requires during their particular lifetime.

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The next stage in an RPQ's life is when it is delivered to our first customer. At that point in time it is required that appropriate diagnostics, if required, accompany that shipment. Of course, the logic pages for the use of the Customer Engineer must also be included in this first shipment. These diagnostics and logic pages are also subject to revision during the lifetime of the RPQ.

As mentioned before, the 1800 System enjoys the same support as any other IBM System or product. Your interest in the 1800 System and its RPQ portfolio is evidence that this support is well justified.

M. F. LANDWEHR

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Partial list of IBM 1800 RPQs

Number	Cost	Description (Cost is Monthly Rental except where noted)
C08011	15	1816 key switch lock out
C08035	$60	Additional 2310 disk drives
C08037	135	System/360 Selector Channel
C08080	100	2841 CU 2311 disk attached (up to 8 2311s)
C08085	15	2848 CU 2260 display attach
C08090	1000	1442 quick disconnect (purchase)
C08135	10	DO ECO timed dropout
C08145	15	Timing Signal CPU generated
C08188	30	Process interrupt, contact opening
C08189	4	Line filter mod PC (increase frequency to 100KC)
C08205	180	Communication adapter basic (103, 202, 202D data sets)
C08213	?	High speed DIO adapter
C08214	?	High speed DIO group
C08215	?	High speed DIO request/acknowledge
C08216	?	SLT to Coax customer terminal unit
C08219	35	Power fail interrupt – auto restart
C08229	30	Disk storage read only switch
C08231	125	Keyboard printer expander
C08240	35	Isolation digital input
C08241	30	Isolation digital output
C08261	1250	Analog Input front end basic, programmable range, etc.
C08262	15	AI front end, channel card, 2 additional channels
C08265	35	Pulse output, negative

C08268	480	AI front end, expander, 64 channels
C08270	350	AI front end, remote 1000’ option
C08295	100	Additional data channels, maximum 12
C08326	25	Data channel, word count extend from 256 to 16,383
C08327	25	Data Channel, word count extend, DAO basic
C08328	25	Data channel, word count extend, DI extend
C08329	25	Data channel, word count extend, DAO extend
C08330	675	Additional tape control unit
C08340	7	Register output special, DO at 95 ohms
C08346z	15	1828, 115 volt power outlets
C08349	30	Digital out, mercury relay
C08351	95	Line adapter, 600 baud basic
C08367	50	Disk drive, fast auto start
C08370	20	Add one to storage
C08371	30	Double word scaler option
C08372	150	Channel in/out, read/write from specified core locations
C08375	50	Process interrupt special, option contact or voltage sense
C08399	390	Basic POC panel for 1800
C08413	490	Cover with lock for OP console (purchase)
C08413	225	Start/stop communications adapter, basic
C08419	10	Digital output voltage
C08431	40	Storage protect program disable
C08451-C08455	?	Special purpose mulitplexor ?
C08465	20	Process interrupt additional control
C08476	225	CRT & photo pen control (requires C08477 to attach HP display)

C08305	470	1800 power on, customer sense (purchase)
C08358	?	1443 quick disconnect
C08483	3000	1231 optical reader attach (purchase)
C08495	50	2310C read only switch
C08587	35	Operation monitor time duration
C08600	1500	Mulitple 1800 high speed data link (purchase)
C08601	?	Operations monitor auto reset
C08620	?	1443 remote start from 1800 (#858133)
C08634	?	Operations monitor, contact form A
C08751	?	Buffered Selector Channel
C08771	?	Floating point processor
C15019	1200	Attach Sander photo pen (purchase)
C15024	425	Oscillator 5-600 hz (purchase)
C16038	840	Latching console op, basic (purchase)
C16039	850	Latching console op, adapter (purchase)
C16040	350	Latching console op, group (purchase)
C16041	570	Latching console op, group display (purchase)