





↑ This file, BPAXRBDEF.REQ, defines the XRB.

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↑↑
AUTHOR: Jeremy Barker, CREATION DATE: 06-Jan-79
MODIFIED BY:
  VERSION X01
014  Jeremy Barker, 13-Mar-79
    - Add fields used by .POSTN call
143  Jeremy Barker, 10-Apr-79
    - Define xrb$w_timeout as signed
200  Jim Ibbett, 26-Apr-79
    - Add bitfields for flagword 2 for logical name support
219  Jeremy Barker, 24-May-79
    - Define fields used by .SPEC call
227  Jim Ibbett, 5-Jun-79
    - add bit definitions for ronly mode
270  Jim Ibbett, 28-Jun-79
    - add bit definitions for flagword 2 bit 11
264  Jeremy Barker, 02-Jul-79
    - define .POSTN return fields as WORD, not BYTE

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317 - Define fields used by .PEEK call  
 1-318 - Change name to BPAXRBDEF.REQ and remove defense against redundant  
 requires of this file. JBS  
 1-319 - Add copyright notice. SBL 11-Mar-1980

---  
 xrb definition

FIELD xrb\$fields =

SET			
xrb\$w_buflen	= [ 0, W ]	buffer length	
xrb\$w_linesize	= [ 0, W ]	line length + 1 for .POSTN	: M 264
xrb\$w_spec_fun	= [ 0, W ]	function code for .SPEC	: A 219
xrb\$w_peek_arg	= [ 0, W ]	Peek argument	: A 317
xrb\$w_time_1	= [ 2, W ]	Sytem time part I for .PEEK	: A 317
xrb\$w_bytcnt	= [ 2, W ]	byte count	
xrb\$w_carrposn	= [ 2, W ]	carriage position for .POSTN	: M 264
xrb\$w_mt_param	= [ 2, W ]	magtape .SPEC parameter	: A 219
xrb\$w_mt_value	= [ 2, W ]	magtape .SPEC result value	: A 219
xrb\$w_time_2	= [ 4, W ]	System time part II for .PEEK	: A 317
xrb\$w_bufadr	= [ 4, W ]	buffer address	
xrb\$b_channel	= [ 6, B ]	BASIC channel number * 2	
xrb\$v_channel	= [ 6, V (1,7) ]	BASIC channel number	: A 219
xrb\$b_blkhi	= [ 7, B ]	MSB of block number	
xrb\$b_hndindx	= [ 7, B ]	handler index for .SPEC	: A 219
xrb\$w_blklo	= [ 8, W ]	LSB of block number	
xrb\$w_flag2	= [ 8, W ]	Flagword 2 for .FSS	
xrb\$v_name_seen	= [ 8, V (0) ]	Flagword 2 bitfield definitions	
xrb\$v_dot_seen	= [ 8, V (3) ]	...	
xrb\$v_ext_seen	= [ 8, V (4) ]	...	
xrb\$v_ppn_seen	= [ 8, V (7) ]	...	
xrb\$v_prot_seen	= [ 8, V (10) ]	...	
xrb\$v_def_prot	= [ 8, V (11) ]	...	: A270
xrb\$v_coln_seen	= [ 8, V (12) ]	...	
xrb\$v_dev_seen	= [ 8, V (13) ]	...	
xrb\$v_log_name	= [ 8, V (14) ]	...	: A 200
xrb\$v_log_notr	= [ 8, V (15) ]	...	: A 200
xrb\$w_timeout	= [ 10, W ]	terminal input timeout	: M 143
xrb\$w_flag1	= [ 10, W ]	Flagword 1 for .FSS	
xrb\$v_cl_seen	= [ 10, V (0) ]	Flagword 1 bitfield definitions	
xrb\$v_moro_seen	= [ 10, V (1) ]	...	
xrb\$v_fisi_seen	= [ 10, V (2) ]	...	
xrb\$v_pos_seen	= [ 10, V (3) ]	...	
xrb\$v_mo_ronly	= [ 10, V (7) ]	...	: A227
xrb\$v_name_1	= [ 10, V (8) ]	...	
xrb\$v_dot_T	= [ 10, V (9) ]	...	
xrb\$v_ppn_1	= [ 10, V (10) ]	...	
xrb\$v_prot_1	= [ 10, V (11) ]	...	
xrb\$v_coln_1	= [ 10, V (12) ]	...	
xrb\$v_log_T	= [ 10, V (13) ]	...	: A 200
xrb\$v_nfrep	= [ 10, V (14) ]	...	: A 200
xrb\$w_opmod	= [ 12, W ]	operation modifier	

TES;

LITERAL

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xrb$m_name_seen = M_(0),
xrb$m_dot_seen  = M_(3),
xrb$m_ext_seen  = M_(4),
xrb$m_ppn_seen  = M_(7),
xrb$m_prot_seen = M_(10),
xrb$m_def_prot  = M_(11),
xrb$m_coln_seen = M_(12),
xrb$m_dev_seen  = M_(13),
xrb$m_log_name  = M_(14),
xrb$m_log_notr  = M_(15),
xrb$m_cl_seen   = M_(0),
xrb$m_moro_seen = M_(1),
xrb$m_fisi_seen = M_(2),
xrb$m_pos_seen  = M_(3),
xrb$m_mo_only   = M_(7),
xrb$m_name_1    = M_(8),
xrb$m_dot_T     = M_(9),
xrb$m_ppn_1     = M_(10),
xrb$m_prot_1    = M_(11),
xrb$m_coln_1    = M_(12),
xrb$m_log_T     = M_(13),
xrb$m_nfrep     = M_(14),
xrb$k_length    = 14;

```

! Flagword 2 bitmask definitions  
...  
...  
... ! A270  
...  
... ! A 200  
... ! A 200  
! Flagword 1 bitmask definitions  
...  
...  
... ! A227  
...  
...  
... ! A 200  
... ! A 200  
! Length of xrb in bytes

MACRC

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$xrb_def = BLOCK[xrb$k_length, BYTE] FIELD(xrb$fields) % ;

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! End of file BPAXRBDEF.REQ

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