BM: Message Output

code version: 20-May-03
created in: bm_meout.tdf (see message timing – next page)
<table>
<thead>
<tr>
<th>L1_M</th>
<th>SL1_S2</th>
<th>PUT_S1</th>
<th>[11..8]</th>
<th>[7..0]</th>
</tr>
</thead>
<tbody>
<tr>
<td>(on L1_P)</td>
<td></td>
<td>PUTBUFF</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PUTBX</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PUTEND</td>
<td>X</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>L2_M</th>
<th>SL2_S2</th>
<th>GET_S2</th>
<th>[11..8]</th>
<th>[7..0]</th>
</tr>
</thead>
<tbody>
<tr>
<td>(on L2_P)</td>
<td></td>
<td>GETBUFF</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>GETBX</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>GETEND</td>
<td>X</td>
<td>1</td>
</tr>
</tbody>
</table>

(*) L2_M → bm_m_in  If strb_m2.q
L1_M → bm_m_in  If strb_m1.q

Message Strobe Rules
1. The three strobe-types within L1 or L2 (buff, bx, end) must be generated at least 6 clocks apart in the upstream code
2. L1/L2 Strobes (strb_m1/strb_m2) are forced to be at least 6 clocks apart
3. If Strobe_M1 = Strobe_M2 → send out strb_m1 first
4. Message (BM_Message) is valid 1 clock before strobe (Strobe_Message) and remains valid until next strobe
BM: L1 Period

code version: 21-Apr-03
created in: bm_l1.tdf
BM: L2 Period

code version: 21-Apr-03
created in: bm_l2.tdf
BM: PUT_BUFF & PUT_BX Strobes

code version: 21-Apr-03
created in: bm_11.tdf
BM: PUT_END Strobes

code version: 21-Apr-03
created in: bm_11.tdf
BM: GET_BUFF & GET_BX Strobes

code version: 15-May-03
created in: bm_l2.tdf
BM: PUT_BUF & PUT_BX Data

code version: 21-Apr-03
created in: bm_l1.tdf
BM: GET_BUF & GET_BX Data

code version: 16-Jan-03
created in: bm_l1.tdf (get_buff) bm_l2.tdf (get_bx)
BM: Reading SCLF L1 & L2 FIFOs

code version: 21-Apr-03
created in: bm_l1.tdf, bm_l2.tdf → sclf_logic.tdf