Arch HWG

1) ai) co: R, ACZO -> CO.LO: (S, ACZO, ZO)

bi) co: w, Aczo -> co.Lo: (M, Aczo, 80) C3. Lo: (I, Aczo, 20)

c.) C3; W, ACZO -> C3.LO:(M, ACZO, 80)

d.) C1: P, AC10 -> C1.LZ: (S, AC10, 0010)

ei) CO: W, ACO8 -> CO.LI: (M, ACO8, 48) 248 (3.LI: (I, ACO8, 0008)

F.) Co: W, AC30 → CO.LZ: (M, AC30, 78) -278 M; AC10 ← 0030

9.) C3: W, AC30 -> C3.LZ: (M, AC30, 78)

Arch HW6

- 2.) a.) PO,0: read 100, ret 0010
 - bi) PO, O.BO: (5, 128,0028) LZ91, O.BO: (DS, PO, O, 128,0028) MICIZED: (Dm, co, 0028) PO, O: read 128, ret 0028
 - Ci) PO,O.Bo: (M, 128,78) LZ\$,O.Bo: (DM, PO,O, 128,78) M[[Z8]:(DM,CO,78)
 - di) PO, O.BO: (S, 120, 0020) LZB, O.BO: (DS, E, 120,0020) MICizo]: (DS, CO CI, 0020) PO, O : read 120, vet 0020
 - ei) PO,O.BO: (S, 120, 0020)
 P1,O.BO: (S, 120, 0020)
 LZ\$,O.BO: (DS, E, 120,0020)
 MICIZO]: (DS, COCI, O020)
 PO,O: read 120, ret 0020
 P1,O: read 120, ret 0020
 - f.) PG, O.BG: (I, 120, 0020)
 P1, O.BO: (M, 120, 80)
 P3, 1.BO: (I, 120, 0020)
 LZ\$, O.BO: (PM, E, 120, 80)
 LZ\$, 1.BO: (D1, P3,1, 120, 0020)
 M1[120]: (DM, coc1, 80)
 PO, O: , read 120, not 0020

Arch HW6

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2) Continued ...
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g.) PO,O,BO: (S, 120,80)
PI,O,BO: (S, 120,80)
P3, I,BO: (I, 120,0020)
LZI,O.BO: (DS, E, 120,80)
LZI, I,BO: (DI, P3,1,120,0020)
MI[120]: (DS, COCI, 80)
Pa, O: read 120, ret 80
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hi) PO, O,BO: (I, 120,80)
PI, O,BO: (M, 120,90)
P3, 1,BO: (I, 120,0020)
LZH, O,BO: (DS, E, 120,90)
LZH, 1,BO: (DI, P3,1,120,0020)
MI[[ZO]: (DM, COCI, 90)
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- 3.) a.) PO,0: write 100 + 80; Write hit, PO, O
 - b.) PG,O: unite 108 t 88: Write Nit/upgrade, PG,O invalidate, P3,1
 - a) Po, 0: write 118 < 90: Write miss, Po, 0 invalidate, P1,0
 - d) P1, 0: write 128 + 98: Write miss, P1,0

Arch HWO

4.) The major change is not needing to access dirty blocks in another CPV's cache. So, in write-through you don't need to provide a forced write-back when reading. When mem is updated with write-through, CPV will always gets the correct data. You don't need to check validity because write-through beeps it always up to date.