

Functional Unit Busy flags

HDA

HDD

HFA

The functional unit busy flags are grouped as follows:

1. Vector Logical Units (Enter/Use Mask Register, logical product/Difference/sum).
Sets at CP1-30-3, 140-7
2. Vector Integer Units (Vector shift, Integer sum/difference, vector pop/leading zero count, compress IOTA).
Sets at CP1-150-3, 160-5, 176, 7
3. Floating Add Units (Vector floating sum/difference)
Sets at CP1-170-5
4. Floating Multiply/reciprocal/sq root Units (Scalar recip/sq rt approx.) Vector floating product, Vector recip/sq root iteration, Vector recip/sq rt approx.
Sets at CP1-132, 3, 154-7, 166, 7.
5. Local Memory (A/S/V register reference to local memory)
Sets at CP1-44-7, 54-7, 74, 5

All Busy flags are cleared by the JB module and Local Memory busy flag is cleared out by CP3-44, 54 instruction.