14.5.4.10.1 H_PERFMON

To manage the Performance Monitor Function:

```
int64                          /* H_SUCCESS,
                               H_HARDWARE,  Hardware error
                               H_PARAMETER, Unsupported mode bit
                               H_BUSY,                Try again
                               H_RESOURCE   Conflicting resources in use*/

    hcall (const uint64 H_PERFMON,          /* Function code */
    uint64 mode-set,                /* Platform Modes to enable */
    uint64 mode-reset);             /* Platform Modes to reset */
```

Parameters:

- mode-setPlatform specific modes to be set by this call
- mode-resetPlatform specific modes to be reset by this call

Semantics:

- mode-set bit(s) check for platform specific validity else H_PARAMETER
- mode-reset bit(s) check for platform specific validity else H_PARAMETER
- if any mode-set bits are set, activate corresponding mode(s) - if logically capable else H_RESOURCE
- if any mode-reset bits are on, deactivate corresponding mode(s) - if logically capable else H_RESOURCE
- place current state of platform specific modes in R4, return H_SUCCESS

Defined Perfmon mode bits:

bit 0: 1= Enable Perfmon

bit1: 0= Low threshold granularity 1= High threshold granularity