

EEMBC CoreMark Run Rules

Required:

1. The benchmark needs to run for at least 10 seconds.
2. All validation must succeed for seeds 0, 0, 0x66 and 0x3415, 0x3415, 0x66, buffer size of 2000 bytes total.

If not using command line arguments to main:

```
> make XCFLAGS="-DPERFORMANCE_RUN=1" REBUILD=1 run1.log
```

```
> make XCFLAGS="-DVALIDATION_RUN=1" REBUILD=1 run2.log
```

3. If using profile guided optimization, profile must be generated using seeds of 8, 8, 8, and buffer size of 1200 bytes total.

```
> make XCFLAGS="-DTOTAL_DATA_SIZE=1200 -DPROFILE_RUN=1" REBUILD=1 run3.log
```

4. All source files must be compiled with the same flags.
5. All data type sizes must match size in bits such that:

- ee_u8 is an 8 bits datatype.
- ee_s16 is a 16 bits datatype.
- ee_u16 is a 16 bits datatype.
- ee_s32 is a 32 bits datatype.
- ee_u32 is a 32 bits datatype.

Allowed:

- Changing number of iterations
- Changing toolchain and build/load/run options
- Changing method of acquiring a data memory block
- Changing the method of acquiring seed values
- Changing implementation in core_portme.c
- Changing configuration values in core_portme.h
- Changing core_portme.mak

Not allowed:

- Changing of source file other than core_portme*