## Embedded operating systems - Requirement: Configurability -

## Configurability

No single RTOS will fit all needs, no overhead for unused functions tolerated *configurability* needed.

- simplest form: remove unused functions (by linker ?).
- Conditional compilation (using #if and #ifdef commands).
- Dynamic data might be replaced by static data.
- Advanced compile-time evaluation useful.
- Object-orientation could lead to a derivation subclasses.

Verification a potential problem of systems with a large number of derived OSs:

- Each derived OS must be tested thoroughly;
- potential problem for eCos (open source RTOS from Red Hat), including 100 to 200 configuration points [Takada, 01].

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