



PSOS API	VxWorks 5.x/6.x	Linux 2.4/2.6	Win XP	Win CE	Nucleus	ThreadX	MQX	LynxOS	Solaris	QNX	Unix	T-Kernel	uTRON	eCOS
<i>Partitions</i>														
pt_create	√	√	√	√	√	√	√	√	√	√	√	√	√	√
pt_delete	√	√	√	√	√	√	√	√	√	√	√	√	√	√
pt_getbuf	√	√	√	√	√	√	√	√	√	√	√	√	√	√
pt_ident	√	√	√	√	√	√	√	√	√	√	√	√	√	√
pt_retbuf	√	√	√	√	√	√	√	√	√	√	√	√	√	√
pt_sgetbuf*	√	√	√	√	√	√	√	√	√	√	√	√	√	√
<i>Events</i>														
ev_receive	√	√	√	√	√	√	√	√	√	√	√	√	√	√
ev_send	√	√	√	√	√	√	√	√	√	√	√	√	√	√
<i>Async Signals</i>														
as_catch														
as_send														
as_return														
ev_asend*	√	√	√	√	√	√	√	√	√	√	√	√	√	√
<i>Error Handling</i>														
k_fatal*	√	√	√	√	√	√	√	√	√	√	√	√	√	√
<i>Queues Fixed</i>														
q_broadcast														
q_create*	√	√	√	√	√	√	√	√	√	√	√	√	√	√
q_delete	√	√	√	√	√	√	√	√	√	√	√	√	√	√
q_ident	√	√	√	√	√	√	√	√	√	√	√	√	√	√
q_receive	√	√	√	√	√	√	√	√	√	√	√	√	√	√
q_send	√	√	√	√	√	√	√	√	√	√	√	√	√	√
q_urgent	√	√	√	√	√	√	√	√	√	√	√	√	√	√
<i>Queues Variable</i>														
q_vbroadcast														
q_vcreate*	√	√	√	√	√	√	√	√	√	√	√	√	√	√
q_vdelete	√	√	√	√	√	√	√	√	√	√	√	√	√	√
q_vident	√	√	√	√	√	√	√	√	√	√	√	√	√	√
q_vreceive	√	√	√	√	√	√	√	√	√	√	√	√	√	√
q_vsend	√	√	√	√	√	√	√	√	√	√	√	√	√	√
q_vurgent	√	√	√	√	√	√	√	√	√	√	√	√	√	√

\* Important Notes (Also refer to the corresponding reference manuals):

ev\_asend:

- This function will behave similar to ev\_send

k\_fatal:

- Use OS\_Fatal\_Error API for the same functionality

sm\_create:

- Only one CPU mode is supported (i.e node = 0)

- SM\_PRIOR option is ignored and SM\_FIFO is used instead

rn\_create:

- RN\_NODEL option not supported.

- RN\_PRIOR option is ignored and RN\_FIFO is used instead

pt\_create

- Request for physical memory may not be supported on all target OS platforms

- Only single processor mode is supported
  - PT\_NODEL option not supported.
  - PT\_PRIOR option is ignored and RN\_FIFO is used instead
- ps\_sgetbuf
- Logical & physical address returned will be the same
- q\_create
- Q\_NOLIMIT option not supported
  - Q\_PRIOR option is ignored and Q\_FIFO is used instead
  - Zero length queues are not supported (i.e count parameter cannot be zero)
  - Q\_LOCAL is ignored and Q\_GLOBAL option is used instead
  - Queue can be deleted even when there are tasks waiting or messages in the queue
- q\_vcreate
- Q\_PRIOR option is ignored and Q\_FIFO is used instead
  - Queue can be deleted even when there are tasks waiting or messages in the queue
- t\_create
- the node parameter should always be zero
  - the option T\_FPU may not be supported in some target OS
- t\_mode
- T\_ISR flag is not supported
- t\_start
- T\_ISR flag is not supported
  - Task cannot be run in supervisor mode under some target OS
- tm\_evafter
- Timer does not get cancelled automatically when a task re-starts
- tm\_every
- Timer does not get cancelled automatically when a task re-starts
- de\_xxxx functions
- Some porting effort may be required to port the driver code
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