V2.90 Quick Reference Chart

Legend:
Black is for seldom used functions
Orange is for CREATE functions
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Blue is for commonly used functions
Green is for comments

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				OPTIONS (opt)	Miscellaneous
Semaph	ores (OS_SEM.C)		_		
INT16U	OSSemAccept	(OS_EVENT	*pevent);		
OS_EVENT	*OSSemCreate	(INT16U	cnt);		
OS_EVENT	*OSSemDel	(OS_EVENT INT8U INT8U	<pre>*pevent, opt, *perr);</pre>	OS_DEL_NO_PEND OS_DEL_ALWAYS	
void	OSSemPend	(OS_EVENT INT32U INT8U	<pre>*pevent, timeout, *err);</pre>		
INT8U	OSSemPendAbort	(OS_EVENT INT8U INT8U	<pre>*pevent, opt, *perr);</pre>	OS_PEND_OPT_NONE OS_PEND_OPT_BROADC	AST
INTSU INTSU	OSSemPost OSSemQuery	(OS_EVENT (OS_EVENT OS_SEM_DATA	<pre>*pevent); *pevent, *p_sem_data);</pre>		OS_SEM_DATA: INT16U OSCNt #if OS_LOWEST_PRIO <= 63 INT3BU OSEVentGrp INT8U OSEVentTbl[] #else INT16U OSEVentGrp INT16U OSEVentTbl[] #endif
void	OSSemSet	(OS_EVENT INT16U INT8U	<pre>*pevent, cnt, *perr);</pre>		

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				OPTIONS (opt)	Miscellaneous
Mutual I	Exclusion Semap	hores (OS_MU	TEX.C)		
BOOLEAN	OSMutexAccept	(OS_EVENT INT8U	*pevent, *perr);		
OS_EVENT	*OSMutexCreate	(INT8U INT8U	<pre>prio, *perr);</pre>		
OS_EVENT	*OSMutexDel	(OS_EVENT INT8U INT8U	<pre>*pevent, opt, *perr);</pre>	OS_DEL_NO_PEND OS_DEL_ALWAYS	
void	OSMutexPend	(OS_EVENT INT32U INT8U	<pre>*pevent, timeout, *perr);</pre>		
INT8U INT8U	OSMutexPost OSMutexQuery	(OS_EVENT (OS_EVENT OS_MUTEX_DATA	<pre>*pevent); *pevent, *p_mutex_data);</pre>		OS MUTEX DATA: BOOLEAN GSValue INT8U OSOWnerPrio INT8U OSOWnerPrio INT8U OSEWENTSTP #if OS_LOWEST_PRIO <= 63 INT8U OSEWENTGTP INT8U OSEWENTGTP INT8U OSEWENTBI[] #else
					INT16U OSEventGrp INT16U OSEventTb1[] #endif

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				OPTIONS (opt)	Miscellaneous
Event Fla	gs (OS_FLAG.C)				
OS_FLAGS	OSFlagAccept	(OS_FLAG_GRP OS_FLAGS INT8U INT8U	<pre>*pgrp, flags, wait_type, *pern);</pre>		
OS_FLAG_GRP	*OSFlagCreate	(OS_FLAGS INT8U	<pre>flags, *perr);</pre>		
OS_FLAG_GRP	*OSFlagDel	(OS_FLAG_GRP INT8U INT8U	*pgrp, opt, *perr);	OS_DEL_NO_PEND OS_DEL_ALWAYS	
INT8U	OSFlagNameGet	(OS_FLAG_GRP INT8U INT8U	*pgrp, **pname, *perr);		
void	OSFlagNameSet	(OS_FLAG_GRP INT8U INT8U	*pgrp, *pname, *perr);		
OS_FLAGS	OSFlagPend	(OS_FLAG_GRP OS_FLAGS INTEU INT16U INT18U	<pre>*pgrp, flags, wait_type, timeout, *perr);</pre>		wait type: OS FLAG WAIT CLR ALL OS FLAG WAIT CLR AND OS FLAG WAIT CLR ANY OS FLAG WAIT CLR OR OS FLAG WAIT SET ALL OS FLAG WAIT SET AND OS FLAG WAIT SET AND OS FLAG WAIT SET ANY OS FLAG WAIT SET OR + OS FLAG CONSUME
OS FLAGS	OSFlagPendGetFlagsRdy	/ (void);			
OS_FLAGS	OSFlagPost	(OS_FLAG_GRP OS_FLAGS INT8U INT8U	*pgrp, flags, opt, *perr);	OS_FLAG_CLR OS_FLAG_SET	
OS_FLAGS	OSFlagQuery	(OS_FLAG_GRP INT8U	*pgrp, *perr);		

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				OPTIONS (opt)	Miscellaneous
Messag	e Mailboxes (OS_I	MBOX.C)			
void OS_EVENT OS_EVENT void	*OSMboxAccept *OSMboxCreate *OSMboxDel *OSMboxPend	(OS_EVENT (void (OS_EVENT INT8U INT8U (OS_EVENT INT32U INT32U INT8U	<pre>*pevent); *msg); *pevent, opt, *perr); *pevent, timeout, *perr);</pre>	OS_DEL_NO_PEND OS_DEL_ALWAYS	
INT8U	OSMboxPendAbort	(OS_EVENT INT8U INT8U	*pevent, opt, *perr);	OS_PEND_OPT_NONE OS_PEND_OPT_BROADCAST	
INT8U	OSMboxPost OSMboxPostOpt	(OS_EVENT void (OS_EVENT void INT8U	<pre>*pevent, *pmsg); *pevent, *pmsg, opt);</pre>	OS_POST_OPT_NONE OS_POST_OPT_BROADCAST OS_POST_OPT_NO_SCHED	
INT8U	OSMboxQuery	(OS_EVENT OS_MBOX_DATA	*pevent, *p_mbox_data);		OS_MBOX_DATA: void *msg #if OS_LOWEST_PRIO <= 6 INT8U OSEventGrp INT8U OSEventTbl[] #else INT16U OSEventGrp INT16U OSEventGrp #endif

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				OPTIONS (opt)	Miscellaneous
Messee	e Queues (OS_Q.	C \		or Hono (opt)	Miscenaneous
void	*OSQAccept	(OS_EVENT	*pevent,		
OS_EVENT	*OSQCreate *OSQDel	INT8U (void INT16U (OS_EVENT INT8U INT8U	*perr); **start, size); *pevent, opt, *perr);	OS_DEL_NO_PEND OS_DEL_ALWAYS	
INT8U	OSQFlush	(OS_EVENT	*pevent);		
void INT8U	*OSQPendAbort	(OS_EVENT INT32U INT8U (OS_EVENT INT8U INT8U	<pre>*pevent, timeout, *perr); *pevent, opt, *perr;</pre>	OS_PEND_OPT_NONE OS_PEND_OPT_BROADCAST	
INT8U	OSQPost	(OS_EVENT	*pevent, *pmsg);		
INT8U	OSQPostFront OSQPostOpt	(OS_EVENT void (OS_EVENT void INT8U	*pevent, *pmsg); *pevent, *pmsg, opt);	OS_POST_OPT_NONE OS_POST_OPT_EROADCAST OS_POST_OPT_FRONT OS_POST_OPT_NO_SCHED	
INTSU	OSQQuery	(OS_EVENT OS_Q_DATA	*pevent, *p_q_data);		OS_Q_DATA: void *OSMsg INT16U OSNMsgs INT16U OSQSize #if OS_LOWEST_PRIO <= 63 INT8U OSEventGrp INT8U OSEventTbl[] #else INT16U OSEventGrp INT16U OSEventTbl[] #endif

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				OPTION	IS (opt)	Miscellaneous
Memor	y Management (O	S_MEM.C)				
OS_MEM	*OSMemCreate	(void INT32U INT32U INT8U	<pre>*addr, nblks, blksize, *perr);</pre>			
void	*OSMemGet	(OS_MEM INT8U	*pmem, *perr);			
INT8U	OSMemNameGet	(OS_MEM INT8U INT8U	*pmem, **pname, *perr);			
void	OSMemNameSet	(OS_MEM INT8U INT8U	*pmem, *pname, *perr);			
INT8U	OSMemPut	(OS_MEM void	*pmem, *pblk);			
INT8U	OSMemQuery	(OS_MEM OS_MEM_DATA	*pmem, *p_mem_data);			OS_MEM_DATA: void *OSAddr void *OSFreeList INT32U OSBlksize INT32U OSNBlks INT32U OSNFree INT32U OSNUsed

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				OPTIONS (opt)	Miscellaneous
Task M	anagement (OS_T/	ASK.C)			
INT8U	OSTaskChangePrio	(INT8U INT8U	oldprio, newprio);		
INT8U	OSTaskCreate	(void void OS_STK INT8U	<pre>(*task) (void *p_arg), *p_arg, *ptos, prio);</pre>		
INTSU	OSTaskCreateExt	(void void OS_STK INT8U INT16U OS_STK INT32U void INT16U	<pre>(*task) (void *p_arg), *p_arg, *ptos, prio, id, *pbos, stk_size, *pext, opt);</pre>	OS TASK OPT N OS TASK OPT SI OS TASK OPT SI OS TASK OPT SI	rk_chk rk_clr
INT8U INT8U	OSTaskDel OSTaskDelReq	(INT8U	<pre>prio); prio);</pre>		
INT8U	OSTaskNameGet	(INT8U INT8U INT8U	<pre>prio, **pname, *perr);</pre>		
void	OSTaskNameSet	(INT8U INT8U INT8U	<pre>prio, *pname, *perr);</pre>		
INT8U INT8U INT8U	OSTaskResume OSTaskSuspend OSTaskStkChk	(INT8U (INT8U (INT8U OS_STK_DATA	<pre>prio); prio); prio, prio, *p_stk_data);</pre>		OS STK DATA: INT32U .OSFree INT32U .OSUsed
INT8U	OSTaskQuery	(INT8U OS_TCB	<pre>prio, *p_task_data);</pre>		

μC/OS-II, The Real-Time Kernel V2.90 Quick Reference Chart Legend: Black is for seldom used functions Orange is for CREATE functions Red is for DELETE functions Blue is for commonly used functions Green is for comments Micriµm 949 Crestview Circle Weston, FL 33327 USA www.Micrium.com OPTIONS (opt) Miscellaneous Time Management (OS_TIME.C) void OSTimeDly (INT32U ticks); INT8U OSTimeDlyHMSM (INT8U hours, INT8U minutes, seconds, INT8U INT16U milli); INT8U (INT8U OSTimeDlyResume prio); INT32U OSTimeGet (void); void OSTimeSet (INT32U void OSTimeTick (void);

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				OPTIONS (opt)	Miscellaneous
Timer N	lanagement (OS_	ΓMR.C)			
os_tmr	*OSTmrCreate	(INT32U INT32U INT8U OS_TMR_CALI VOID INT8U INT8U	<pre>dly, period, opt, BACK callback, *callback_arg, *pname, *perr);</pre>		
BOOLEAN	OSTmrDel	(OS_TMR INT8U	*ptmr, *perr);		
INT8U	OSTmrNameGet	(OS_TMR INT8U INT8U	*ptmr, **pdest, *perr);		
INT32U	OSTmrRemainGet	(OS_TMR INT8U	*ptmr, *perr);		
INT8U	OSTmrStateGet	(OS_TMR INT8U	*ptmr, *perr);		
BOOLEAN	OSTmrStart	(OS_TMR INT8U	*ptmr, *perr);	OS_TMR_OPT_PERIODIC OS_TMR_OPT_ONE_SHOT	
void	OSTmrStop	(OS_TMR INT8U Void INT8U	*ptmr, opt, *callback_arg, *perr);	OS_TMR_OPT_NONE OS_TMR_OPT_CALLBACK OS_TMR_OPT_CALLBACK_ARG	
void	OSTmrSignal	(void);			

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					OPTIONS (opt)	Miscellaneous
Miscell	Miscellaneous (OS_CORE.C)					
INT8U	OSEventNameGet	(OS_EVENT INT8U INT8U	*pevent, **pname, *perr);			
void	OSEventNameSet	(OS_EVENT INT8U INT8U	*pevent, *pname, *perr);			
void	OSEventPendMulti	(OS_EVENT OS_EVENT void INT16U INT8U	<pre>**pevents_pend, **pevents_rdy, **pmsgs_rdy, timeout, *perr);</pre>			
void	OSInit	(void);				
void	OSIntEnter	(void);				
void	OSIntExit	(void);				
void	OSSafetyCriticalStart	(void);				
void	OSSchedLock	(void);				
void	OSSchedUnlock	(void);				
void	OSStart	(void);				
void	OSStatInit	(void);				
INT16U	OSVersion	(void);				

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				OPTIONS (opt)	Miscellaneous
Port Fu	inctions (OS_CPU_/	A.ASM)			
void	OSCtxSw	(void);			
void	OSIntCtxSw	(void);			
void	OSStartHighRdy	(void);			
Port Fu	inctions (OS_CPU_0	C.C)			
void	OSInitHookBegin	(void);			
void	OSInitHookEnd	(void);			
void	OSTaskCreateHook	(OS_TCB	*ptcb);		
void	OSTaskDelHook	(OS_TCB	*ptcb);		
void	OSTaskIdleHook	(void);			
void	OSTaskReturnHook	(OS_TCB	*ptcb);		
void	OSTaskStatHook	(void);			
OS_STK	*OSTaskStkInit	(void	(*task)(void *p_arg),		
		void	*p_arg,		
		OS_STK	*ptos,		
		INT16U	opt);		
void	OSTaskSwHook	(void);			
void	OSTCBInitHook	(OS_TCB	*ptcb);		
void	OSTimeTickHook	(void);			