V2.92 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

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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
lusion Semaphor	es (OS_MU1	EX.C)		
SMutexAccept	(OS_EVENT INT8U			
SMutexCreate	(INT8U INT8U	<pre>prio, *perr);</pre>		
SMutexDel	(OS_EVENT INT8U INT8U	opt,	OS_DEL_NO_PEND OS_DEL_ALWAYS	
SMutexPend	(OS_EVENT INT32U INT8U	timeout,		
	(OS_EVENT	*pevent,		OS_MUTEX_DATA: BOOLEAN OSValue
				INT8U OSOwnerPrio INT8U OSMutexPIP #if OS_LOWEST_PRIO <= 63 INT8U OSEventGrp INT8U OSEventTbl[] #else INT16U OSEventGrp
	SMutexAccept SMutexCreate SMutexDel SMutexPend SMutexPost	SMutexAccept	INT8U	### SMutexPost (OS_WUTEX.C)  SMutexPost (OS_EVENT

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				OPTIONS (opt)	Miscellaneous
Event Fla	gs (OS_FLAG.C)				
OS_FLAGS	OSFlagAccept	(OS_FLAG_GRP OS_FLAGS INT8U INT8U	*pgrp, flags, wait_type, *perr);		
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 INT8U INT16U INT8U	*pgrp, flags, wait_type, timeout, *perr);		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 ALL OS FLAG WAIT SET ANY OS FLAG WAIT SET ANY OS FLAG WAIT SET OR + OS FLAG CONSUME OS FLAG CONSUME
OS_FLAGS OS_FLAGS	OSFlagPendGetFlagsRdy OSFlagPost	(void); (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 Message Queues (OS\_Q.C) \*OSQAccept void (OS EVENT \*pevent, INTSU \*perr); OS\_EVENT \*OSQCreate \*\*start, INT16U size); OS\_EVENT (OS EVENT OS\_DEL\_NO\_PEND OS\_DEL\_ALWAYS \*pevent, INT8U opt, INT8U \*perr); INT8U OSQFlush (OS\_EVENT \*pevent); \*OSQPend (OS EVENT void \*pevent, INT32U timeout. INT8U \*perr); INT8U OS\_PEND\_OPT\_NONE
OS\_PEND\_OPT\_BROADCAST OSQPendAbort (OS\_EVENT \*pevent, INT8U opt, INT8U \*perr); INT8U OSQPost (OS\_EVENT void \*pmsg); INT8U OSQPostFront (OS\_EVENT \*pevent, void \*pmsg); INT8U OSQPostOpt (OS\_EVENT OS\_POST\_OPT\_NONE OS\_POST\_OPT\_BROADCAST OS\_POST\_OPT\_FRONT OS\_POST\_OPT\_NO\_SCHED void \*pmsg, opt); INT8U OSQQuery (OS\_EVENT \*pevent, OS\_Q\_DATA: OS\_Q\_DATA void \*OSMsg \*p\_q\_data); INT16U OSNMsgs #if OS\_LOWEST\_PRIO <= 63 INT8U OSEventGrp INT8U OSEventTbl[] INT16U OSEventGrp INT16U OSEventTb1[] #endif

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				OPTIONS (	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	*pmem, *pblk);		
INT8U	${\tt OSMemQuery}$	(OS_MEM OS_MEM_DATA	*pmem, *p_mem_data);		OS MEM DATA: void *OSAddr void *OSFreeList INT32U OSBlkSize INT32U OSNBlks INT32U OSNFree INT32U OSNFree

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				OPTIONS (o	pt) Mise	cellaneous
Task Ma	nagement (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,  *phos,  stk_size,  *pext,  opt);</pre>	OS_TASK_OPI OS_TASK_OPI OS_TASK_OPI OS_TASK_OPI	STK_CHK STK_CLR	
INT8U	OSTaskDel	(INT8U	prio);			
INT8U	OSTaskDelReq	(INT8U	prio);			
INT8U	OSTaskNameGet	(INT8U INT8U INT8U	<pre>prio, **pname, *perr);</pre>			
void	OSTaskNameSet	(INT8U INT8U INT8U	<pre>prio, *pname, *perr);</pre>			
INT8U	OSTaskResume	(INT8U	prio);			
INT8U INT8U	OSTaskSuspend OSTaskStkChk	(INT8U (INT8U OS_STK_DATA	<pre>prio); prio, *p_stk_data);</pre>		INT	STK_DATA: 32U .OSFree 32U .OSUsed
INT8U	OSTaskQuery	(INT8U OS_TCB	<pre>prio, *p task data);</pre>			

### μC/OS-II, The Real-Time Kernel V2.92 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 M	lanagement (OS_	TMR.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	<pre>*ptmr, **pdest, *perr);</pre>		
INT32U	OSTmrRemainGet	(OS_TMR INT8U	*ptmr, *perr);		
INT8U	OSTmrStateGet	(OS_TMR INT8U	*ptmr, *perr);		
BOOLEAN	OSTmrStart	(OS_TMR INT8U	*ptmr, *perr);	OS_TMR_OPT_PERIOD OS_TMR_OPT_ONE_SH	
<b>v</b> oid	OSTmrStop	(OS_TMR INT8U void INT8U	<pre>*ptmr,   opt, *callback_arg, *perr);</pre>	OS_TMR_OPT_NONE OS_TMR_OPT_CALLBA OS_TMR_OPT_CALLBA	
void	OSTmrSignal	(void);	-		

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				OPTIONS (opt)	Miscellaneous
Miscella	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 Functions (OS_CPU_A.ASM)						
void	OSCtxSw	(void);				
void	OSIntCtxSw	(void);				
void	OSStartHighRdy	(void);				
Port Fu	nctions (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);				