



Vodafone Terminal Capability Definition

TCD-DVB-REF-Browser Pseudo Object

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Appendix A Browser Pseudo object

Function	Requirement			Compliance
	TR-B13	TR-B14	TCD	
Ureg related function				
Ureg[]				
Greg related function				
Greg[]				
EPG related function				
epgGetEventStartTime()				
epgGetEventDuration()				
epgTune()		-		
epgTuneToComponent()	-	-		
epgTuneToDocument()	-	-		
epgIsReserved()	-	-		
epgReserve()	(1)	(1)		
epgCancelReservation()	(1)	(1)		
epgReclsReserved()	-	-		
epgRecReserve()	-	-		
epgRecCancelReservation()	-	-		
Event group index related function				
grpIsReserved()	-	-		
grpReserve()	-	-		
grpCancelReservation()	-	-		
grpReclsReserved()	-	-		
grpRecReserve()	-	-		
grpRecCancelReservation()	-	-		
grpGetNodeEventList()	-	-		
grpGetERTNodeName()	-	-		
grpGetERTNodeDescription()	-	-		
epgXTune()	-	-		
Series reservation function				
seriesIsReserved()	-	-		
seriesReserve()	-	-		
seriesCancelReservation()	-	-		
seriesReclsReserved()	-	-		
seriesRecReserve()	-	-		
seriesRecCancelReservation()	-	-		
Permanent memory function				
readPersistentString()	-	-		
readPersistentNumber()	-	-		
readPersistentArray()				
writePersistentString()	-	-		
writePersistentNumber()	-	-		
writePersistentArray()				
copyPersistent()	-	-		
getPersistentInfoList()	-	-		
deletePersistent()	-	-		
getFreeSpace()	-	-		
Control of a permanence memory area with access control				
isSupportedPersistentType()	-	-		
setAccessInfoOfPersistentArray()	-	-		
checkAccessInfoOfPersistentArray()	-	-		
writePersistentArrayWithAccessCheck()	-	-		

	readPersistentArrayWithAccessCheck()	-	-		
Bidirectional function					
Bidirectional function - delay connection					
	registerTransmission()	-	-		
	registerTransmissionStatus()	-	-		
	getTransmissionStatus()	-	-		
	setDelayedTransmissionDataOverBasic()	-	-		
Bidirectional function - BASIC Procedure					
	connect()	-	-		
	disconnect()	-	-		
	sendBinaryData()	-	-		
	receiveBinaryData()	-	-		
	sendTextData()	-	-		
	receiveTextData()	-	-		
Bidirectional function - TCP/IP					
	setISPParams()	-	-		
	getISPParams()	-	-		
	connectPPP()	-	-		
	connectPPPWithISPParams()	-	-		
	disconnectPPP()	-	-		
	getConnectionType()	(2)	(2)		
	isIPConnected()	(2)	(2)		
	saveHttpServerFileAs()	-	-		
	saveHttpServerFile()	-	-		
	sendHttpServerFileAs()	-	-		
	saveFtpServerFileAs()	-	-		
	saveFtpServerFile()	-	-		
	sendFtpServerFileAs()	-	-		
	sendTextMail()	-	-		
	sendMIMEMail()	-	-		
	transmitTextDataOverIP()	(2)	(2)		
	setDelayedTransmissionData()	-	-		
	getTransmissionStatus()	-	-		
	getTransmissionResult()	-	-		
	setCacheResourceoverIP()	-	-		
Bidirectional function - The acquisition function of a delay connection state common to a BASIC system procedure and an IP connection					
	getDelayedTransmissionStatus()	-	-		
	getDelayedTransmissionResult()	-	-		
Bidirectional function - The function which acquires a circuit connection state					
	getPrefixNumber()	-	-		
Bidirectional function - Massive connection reception service					
	vote()	-	-		
Bidirectional function - Encryption connection using CAS					
	startCASEncryption()	-	-		
	transmitWithCASEncryption()	-	-		
	endCASEncryption()	-	-		
Bidirectional function - Connection by the secret key encryption not using CAS					
	setEncryptionKey()	-	-		
	beginEncryption()	-	-		
	endEncryption()	-	-		
Operation control function					

	reloadActiveDocument()				
	getNPT()	-	-		
	getProgramRelativeTime()				
	isBeingBroadcast()	-	-		
	lockExecution()	-	-		
	unlockExecution()	-	-		
	lockModuleOnMemory()	-	-		
	unlockModuleOnMemory()	-	-		
	setCachePriority()	-	-		
	getTuningLinkageSource()	-	-		
	getTuningLinkageType()	-	-		
	getLinkSourceServiceStr()	-	-		
	getLinkSourceEventStr()	-	-		
	getIRDID()	-	-		
	getBrowserVersion()				
	getProgramID()				
	getActiveDocument()				
	lockScreen()				
	unlockScreen()				
	getBrowserSupport()				
	launchDocument()				
	launchDocumentRestricted()	-	-		
	quitDocument()				
	launchExApp()	-	-		
	getFreeContentsMemory()	-	-		
	isSupportedMedia()	-	-		
	detectComponent()				
	lockModuleOnMemoryEx()				
	unlockModuleOnMemoryEx()				
	unlockAllModulesOnMemory()				
	getLockedModuleInfo()				
	getBrowserStatus()				
	getResidentAppVersion()	(2)			
	isRootCertificateExisting()	-	-		
	getRootCertificateInfo()	-	-		
	startResidentApp()	-	-		
	getDataDisplayAreaSize()	-	-		
	setFullDataDisplayArea()	(1)	(1)		
Receiver voice control					
	playRomSound()				
Timer function					
	sleep()	-	-		
	setTimeout()	-	-		
	setInterval()				
	clearTimer()				
	pauseTimer()	-	-		
	resumeTimer()	-	-		
	setCurrentDateMode()	(3)	(3)		
External character function					
	loadDRCS()	-	-		
	unloadDRCS()	-	-		
External equipment control function					
	enumPeripherals()	-	-		
	passXMLDocToPeripheral()	-	-		
Other function					
	random()				

	subDate()				
	addDate()				
	formatNumber()				
Subtitle display control function					
	setCCStreamReference()	-	-		
	getCCStreamReference()	-	-		
	setCCDisplayStatus()	-	-		
	getCCDisplayStatus()	-	-		
	getCCLanguageStatus()	-	-		
Directory operation function					
	saveDir()	-	-		
	saveDirAs()	-	-		
	createDir()	-	-		
	getParentDirName()	-	-		
	getDirNames()	-	-		
	isDirExisting()	-	-		
File operation function					
	saveFile()	-	-		
	saveFileAs()	-	-		
	getFileNames()	-	-		
	isFileExisting()	-	-		
File input-and-output function					
	writeArray()	-	-		
	readArray()	-	-		
Inquiry function					
	getDirInfo()	-	-		
	getFileInfo()	-	-		
	getCarouselInfo()	-	-		
	getModuleInfo()	-	-		
	getContentSource()	-	-		
	getStorageInfo()	-	-		
Data carousel saving function					
	saveCarouselAs()	-	-		
	saveCarousel()	-	-		
	saveModuleAs()	-	-		
	saveModule()	-	(1)		
	saveResourceAs()	-	-		
	saveResource()	-	(1)		
Bookmark control function					
	writeBookmarkArray()	-	-		
	readBookmarkArray()	-	-		
	deleteBookmark()	-	-		
	lockBookmark()	-	-		
	unlockBookmark()	-	-		
	getBookmarkInfo()	-	-		
	getBookmarkInfo2()	-	-		
	startResidentBookmarkList()	-	-		
Print related function API – basic print function					
	getPrinterStatus()	(1)	(1)		
	printFile()	-	-		
	printTemplate()	-	-		
	printUri()	(1)	(1)		
	printStaticScreen()	-	-		
Print related function API – Memorycard related					
	saveImageToMemoryCard()	(1)	(1)		
	saveHttpServerImageToMemoryCard()	(1)	(1)		
	saveStaticScreenToMemoryCard()	(1)	(1)		

Digital terrestrial broadcasting peculiar function					
	X_DPA_mailTo()	(1)	(1)	Mandatory	
	X_DPA_startResidentApp()	-			
	X_DPA_phoneTo()	(1)	(1)	Mandatory	
	X_DPA_getRcvCond ()	(1)	(1)		
	X_DPA_getCurPos ()	(1)	(1)	Mandatory	
	X_DPA_saveExAppFile ()	(1)	(1)		
	X_DPA_startExAV()	(1)	(1)	Prohibit	
	X_DPA_stopExAV()	(1)	(1)	Prohibit	
	X_DPA_tuneWithRF()	-	(1)		
	X_DPA_writeSchInfo()	(1)	(1)		
	X_DPA_getComBrowserUA ()	(2)	(2)		
	X_DPA_writeAddressBookInfo()	(1)	(1)		
	X_DPA_launchDocWithLink()	(2)	(2)		
	X_DPA_chkAVtype()	(1)	(1)	Prohibit	
	X_DPA_getIRDID()				
	X_DPA_writeCproBM()	-	(2)		
Digital terrestrial Audio broadcasting peculiar function					
	X_DRP_isNvramReserved()	(1)	-		
	X_DRP_nvramReserve()	(1)	-		
	X_DRP_tuneWithRFsubCH()	(1)	-		
	X_DRP_setMainAudioStream()		-		
	X_DRP_getMainAudioStream()		-		
	X_DRP_startResidentApp()		-		
	X_DRP_writeP2proBM()	(1)	-		

TR-B13 and TR-B14 requirement :

- 「 」 Mandatory
- 「 (1) 」 Optional
- 「 (2) 」 Mandatory if the function connecting from BML browser is supported
- 「 (3) 」 Mandatory if the function decoding a partial TS is supported
- 「 - 」 No use