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ETSI Standard

## Methods for Testing and Specification (MTS); The Testing and Test Control Notation version 3; Part 6: TTCN-3 Control Interface (TCI)

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# Contents

Intellectual Property Rights .....	12
Foreword.....	12
1 Scope .....	13
2 References .....	13
2.1 Normative references .....	13
2.2 Informative references.....	14
3 Definitions and abbreviations.....	14
3.1 Definitions.....	14
3.2 Abbreviations .....	15
4 Introduction .....	15
5 Compliance.....	16
6 General structure of a TTCN-3 test system.....	16
6.1 Entities in a TTCN-3 test system.....	16
6.1.1 Test Management and Control (TMC).....	18
6.1.1.1 Test Management (TM) .....	18
6.1.1.2 Coding and Decoding (CD) .....	18
6.1.1.3 Component Handling (CH) .....	18
6.1.1.4 Test Logging (TL).....	20
6.1.2 TTCN-3 Executable (TE) .....	20
6.1.3 SUT Adaptor (SA).....	20
6.1.4 Platform Adaptor (PA).....	20
6.2 Execution requirements for a TTCN-3 test system.....	20
7 TTCN-3 control interface and operations.....	20
7.1 Overview of the TCI.....	20
7.1.1 Correlation between TTCN-3 and TCI operation invocations.....	21
7.2 TCI data.....	22
7.2.1 General abstract data types .....	22
7.2.1.1 Management.....	22
7.2.1.2 Communication .....	23
7.2.2 Abstract TTCN-3 data types and values .....	23
7.2.2.1 Abstract TTCN-3 data types .....	24
7.2.2.2 Abstract TTCN-3 values .....	25
7.2.2.2.1 The abstract data type Value .....	26
7.2.2.2.2 The abstract data type IntegerValue .....	26
7.2.2.2.3 The abstract data type FloatValue .....	26
7.2.2.2.4 The abstract data type BooleanValue .....	26
7.2.2.2.5 The abstract data type ObjidValue .....	26
7.2.2.2.6 The abstract data type CharstringValue .....	27
7.2.2.2.7 The abstract data type UniversalCharstringValue.....	27
7.2.2.2.8 The abstract data type BitstringValue.....	28
7.2.2.2.9 The abstract data type OctetstringValue.....	28
7.2.2.2.10 The abstract data type HexstringValue.....	29
7.2.2.2.11 The abstract data type RecordValue.....	29
7.2.2.2.12 The abstract data type RecordOfValue .....	30
7.2.2.2.13 The abstract data type UnionValue .....	30
7.2.2.2.14 The abstract data type EnumeratedValue .....	31
7.2.2.2.15 The abstract data type VerdictValue .....	31
7.2.2.2.16 The abstract data type AddressValue .....	31
7.2.3 Abstract logging types .....	32
7.2.3.1 The abstract data type TciValueTemplate.....	32
7.2.3.2 The abstract data type TciNonValueTemplate .....	32

7.2.3.3	The Value List and Mismatch Types .....	32
7.2.3.4	The Status Types .....	33
7.3	TCI operations .....	33
7.3.1	The TCI-TM interface .....	34
7.3.1.1	TCI-TM required .....	34
7.3.1.1.1	tciRootModule .....	34
7.3.1.1.2	tciGetImportedModules .....	35
7.3.1.1.3	tciGetModuleParameters .....	35
7.3.1.1.4	tciGetTestCases .....	35
7.3.1.1.5	tciGetTestCaseParameters .....	35
7.3.1.1.6	tciGetTestCaseTSI .....	35
7.3.1.1.7	tciStartTestCase .....	36
7.3.1.1.8	tciStopTestCase .....	36
7.3.1.1.9	tciStartControl .....	36
7.3.1.1.10	tciStopControl .....	36
7.3.1.2	TCI-TM provided .....	36
7.3.1.2.1	tciTestCaseStarted .....	37
7.3.1.2.2	tciTestCaseTerminated .....	37
7.3.1.2.3	tciControlTerminated .....	37
7.3.1.2.4	tciGetModulePar .....	37
7.3.1.2.5	tciError .....	38
7.3.2	The TCI-CD interface .....	38
7.3.2.1	TCI-CD required .....	38
7.3.2.1.1	getTypeForName .....	39
7.3.2.1.2	getInteger .....	39
7.3.2.1.3	getFloat .....	39
7.3.2.1.4	getBoolean .....	39
7.3.2.1.5	getObjid .....	39
7.3.2.1.6	getCharstring .....	39
7.3.2.1.7	getUniversalCharstring .....	40
7.3.2.1.8	getHexstring .....	40
7.3.2.1.9	getBitstring .....	40
7.3.2.1.10	getOctetstring .....	40
7.3.2.1.11	getVerdict .....	40
7.3.2.1.12	tciErrorReq .....	40
7.3.2.2	TCI-CD provided .....	40
7.3.2.2.1	decode .....	41
7.3.2.2.2	encode .....	41
7.3.3	The TCI-CH interface .....	41
7.3.3.1	TCI-CH required .....	42
7.3.3.1.1	tciEnqueueMsgConnected .....	42
7.3.3.1.2	tciEnqueueCallConnected .....	42
7.3.3.1.3	tciEnqueueReplyConnected .....	43
7.3.3.1.4	tciEnqueueRaiseConnected .....	43
7.3.3.1.5	tciCreateTestComponent .....	43
7.3.3.1.6	tciStartTestComponent .....	44
7.3.3.1.7	tciStopTestComponent .....	44
7.3.3.1.8	tciConnect .....	44
7.3.3.1.9	tciDisconnect .....	44
7.3.3.1.10	tciMap .....	45
7.3.3.1.11	tciUnmap .....	45
7.3.3.1.12	tciTestComponentTerminated .....	45
7.3.3.1.13	tciTestComponentRunning .....	45
7.3.3.1.14	tciTestComponentDone .....	45
7.3.3.1.15	tciGetMTC .....	46
7.3.3.1.16	tciExecuteTestCase .....	46
7.3.3.1.17	tciReset .....	46
7.3.3.1.18	tciKillTestComponent .....	46
7.3.3.1.19	tciTestComponentAlive .....	46
7.3.3.1.20	tciTestComponentKilled .....	47
7.3.3.2	TCI-CH provided .....	47
7.3.3.2.1	tciSendConnected .....	47

7.3.3.2.2	tciSendConnectedBC	47
7.3.3.2.3	tciSendConnectedMC	47
7.3.3.2.4	tciCallConnected	48
7.3.3.2.5	tciCallConnectedBC	48
7.3.3.2.6	tciCallConnectedMC	49
7.3.3.2.7	tciReplyConnected	49
7.3.3.2.8	tciReplyConnectedBC	50
7.3.3.2.9	tciReplyConnectedMC	50
7.3.3.2.10	tciRaiseConnected	51
7.3.3.2.11	tciRaiseConnectedBC	51
7.3.3.2.12	tciRaiseConnectedMC	51
7.3.3.2.13	tciCreateTestComponentReq	52
7.3.3.2.14	tciStartTestComponentReq	52
7.3.3.2.15	tciStopTestComponentReq	52
7.3.3.2.16	tciConnectReq	52
7.3.3.2.17	tciDisconnectReq	53
7.3.3.2.18	tciMapReq	53
7.3.3.2.19	tciUnmapReq	53
7.3.3.2.20	tciTestComponentTerminatedReq	53
7.3.3.2.21	tciTestComponentRunningReq	53
7.3.3.2.22	tciTestComponentDoneReq	54
7.3.3.2.23	tciGetMTCReq	54
7.3.3.2.24	tciExecuteTestCaseReq	54
7.3.3.2.25	tciResetReq	54
7.3.3.2.26	tciKillTestComponentReq	54
7.3.3.2.27	tciTestComponentAliveReq	55
7.3.3.2.28	tciTestComponentKilledReq	55
7.3.4	The TCI-TL interface	55
7.3.4.1	TCI-TL provided	55
7.3.4.1.1	tliTcExecute	56
7.3.4.1.2	tliTcStart	56
7.3.4.1.3	tliTcStop	56
7.3.4.1.4	tliTcStarted	57
7.3.4.1.5	tliTcTerminated	57
7.3.4.1.6	tliCtrlStart	57
7.3.4.1.7	tliCtrlStop	58
7.3.4.1.8	tliCtrlTerminated	58
7.3.4.1.9	tliMSend_m	58
7.3.4.1.10	tliMSend_m_BC	59
7.3.4.1.11	tliMSend_m_MC	59
7.3.4.1.12	tliMSend_c	60
7.3.4.1.13	tliMSend_c_BC	60
7.3.4.1.14	tliMSend_c_MC	60
7.3.4.1.15	tliMDetected_m	61
7.3.4.1.16	tliMDetected_c	61
7.3.4.1.17	tliMMismatch_m	62
7.3.4.1.18	tliMMismatch_c	62
7.3.4.1.19	tliMReceive_m	63
7.3.4.1.20	tliMReceive_c	63
7.3.4.1.21	tliPrCall_m	64
7.3.4.1.22	tliPrCall_m_BC	64
7.3.4.1.23	tliPrCall_m_MC	65
7.3.4.1.24	tliPrCall_c	65
7.3.4.1.25	tliPrCall_c_BC	66
7.3.4.1.26	tliPrCall_c_MC	66
7.3.4.1.27	tliPrGetCallDetected_m	67
7.3.4.1.28	tliPrGetCallDetected_c	67
7.3.4.1.29	tliPrGetCallMismatch_m	68
7.3.4.1.30	tliPrGetCallMismatch_c	68
7.3.4.1.31	tliPrGetCall_m	69
7.3.4.1.32	tliPrGetCall_c	69
7.3.4.1.33	tliPrReply_m	70

7.3.4.1.34	tliPrReply_m_BC	70
7.3.4.1.35	tliPrReply_m_MC	71
7.3.4.1.36	tliPrReply_c	71
7.3.4.1.37	tliPrReply_c_BC	72
7.3.4.1.38	tliPrReply_c_MC	72
7.3.4.1.39	tliPrGetReplyDetected_m	73
7.3.4.1.40	tliPrGetReplyDetected_c	73
7.3.4.1.41	tliPrGetReplyMismatch_m	74
7.3.4.1.42	tliPrGetReplyMismatch_c	74
7.3.4.1.43	tliPrGetReply_m	75
7.3.4.1.44	tliPrGetReply_c	75
7.3.4.1.45	tliPrRaise_m	76
7.3.4.1.46	tliPrRaise_m_BC	76
7.3.4.1.47	tliPrRaise_m_MC	77
7.3.4.1.48	tliPrRaise_c	77
7.3.4.1.49	tliPrRaise_c_BC	78
7.3.4.1.50	tliPrRaise_c_MC	78
7.3.4.1.51	tliPrCatchDetected_m	79
7.3.4.1.52	tliPrCatchDetected_c	79
7.3.4.1.53	tliPrCatchMismatch_m	80
7.3.4.1.54	tliPrCatchMismatch_c	80
7.3.4.1.55	tliPrCatch m	81
7.3.4.1.56	tliPrCatch c	81
7.3.4.1.57	tliPrCatchTimeoutDetected	82
7.3.4.1.58	tliPrCatchTimeout	82
7.3.4.1.59	tliCCreate	82
7.3.4.1.60	tliCStart	83
7.3.4.1.61	tliCRunning	83
7.3.4.1.62	tliCAlive	83
7.3.4.1.63	tliCStop	84
7.3.4.1.64	tliCKill	84
7.3.4.1.65	tliCDoneMismatch	84
7.3.4.1.66	tliCDone	85
7.3.4.1.67	tliCKilledMismatch	85
7.3.4.1.68	tliCKilled	85
7.3.4.1.69	tliCTerminated	86
7.3.4.1.70	tliPConnect	86
7.3.4.1.71	tliPDisconnect	86
7.3.4.1.72	tliPMap	87
7.3.4.1.73	tliPUnmap	87
7.3.4.1.74	tliPClear	87
7.3.4.1.75	tliPStart	88
7.3.4.1.76	tliPStop	88
7.3.4.1.77	tliPHalt	88
7.3.4.1.78	tliEncode	89
7.3.4.1.79	tliDecode	89
7.3.4.1.80	tliTTimeoutDetected	89
7.3.4.1.81	tliTTimeoutMismatch	90
7.3.4.1.82	tliTTimeout	90
7.3.4.1.83	tliTStart	90
7.3.4.1.84	tliTStop	91
7.3.4.1.85	tliTRead	91
7.3.4.1.86	tliTRunning	91
7.3.4.1.87	tliSEnter	92
7.3.4.1.88	tliSLeave	92
7.3.4.1.89	tliVar	92
7.3.4.1.90	tliModulePar	93
7.3.4.1.91	tliGetVerdict	93
7.3.4.1.92	tliSetVerdict	93
7.3.4.1.93	tliLog	94
7.3.4.1.94	tliAEnter	94
7.3.4.1.95	tliALeave	94

7.3.4.1.96	tliANomatch .....	94
7.3.4.1.97	tliARepeat .....	95
7.3.4.1.98	tliADefaults .....	95
7.3.4.1.99	tliAActivate .....	95
7.3.4.1.100	tliADeactivate .....	96
7.3.4.1.101	tliAWait .....	96
7.3.4.1.102	tliAction .....	96
7.3.4.1.103	tliMatch .....	96
7.3.4.1.104	tliMatchMismatch .....	97
7.3.4.1.105	tliInfo .....	97
8	Java language mapping .....	97
8.1	Introduction .....	97
8.2	Names and scopes .....	98
8.2.1	Names .....	98
8.2.2	Scopes .....	98
8.2.2.1	TciParameterType .....	99
8.2.2.2	TciParameterPassingModeType .....	99
8.2.2.3	TciParameterListType .....	100
8.2.2.4	TciTypeClassType .....	100
8.2.2.5	TciTestComponentKindType .....	101
8.2.2.6	TciBehaviourIdType .....	101
8.2.2.7	TciTestCaseIdType .....	101
8.2.2.8	TciModuleIdType .....	101
8.2.2.9	TciModuleParameterIdType .....	101
8.2.2.10	TciModuleParameterListType .....	101
8.2.2.11	TciModuleParameterType .....	102
8.2.2.12	TciParameterTypeListType .....	102
8.2.2.13	TciModuleIdListType .....	102
8.2.3	Abstract type mapping .....	103
8.2.3.1	Type .....	103
8.2.4	Abstract value mapping .....	103
8.2.4.1	Value .....	104
8.2.4.2	IntegerValue .....	104
8.2.4.3	FloatValue .....	104
8.2.4.4	BooleanValue .....	105
8.2.4.5	ObjidValue .....	105
8.2.4.6	TciObjId .....	105
8.2.4.7	TciObjIdElement .....	105
8.2.4.8	CharstringValue .....	106
8.2.4.9	BitstringValue .....	106
8.2.4.10	OctetstringValue .....	107
8.2.4.11	UniversalCharstringValue .....	108
8.2.4.12	HexstringValue .....	108
8.2.4.13	RecordValue .....	109
8.2.4.14	RecordOfValue .....	110
8.2.4.15	UnionValue .....	110
8.2.4.16	EnumeratedValue .....	111
8.2.4.17	VerdictValue .....	111
8.2.4.18	AddressValue .....	112
8.2.5	Abstract logging types mapping .....	112
8.2.5.1	TciValueTemplate .....	112
8.2.5.2	TciNonValueTemplate .....	112
8.2.5.3	TciValueList .....	113
8.2.5.4	TciValueDifference .....	113
8.2.5.5	TciValueDifferenceList .....	113
8.3	Constants .....	114
8.4	Mapping of interfaces .....	115
8.4.1	The TCI-TM interface .....	115
8.4.1.1	TCI-TM provided .....	115
8.4.1.2	TCI-TM required .....	115
8.4.2	The TCI-CD interface .....	116

8.4.2.1	TCI-CD provided .....	116
8.4.2.2	TCI-CD required .....	116
8.4.3	The TCI-CH interface .....	116
8.4.3.1	TCI-CH provided .....	116
8.4.3.2	TCI-CH required .....	117
8.4.4	The TCI-TL interface.....	118
8.4.4.1	TCI-TL provided.....	118
8.5	Optional parameters .....	122
8.6	TCI initialization .....	122
8.7	Error handling .....	122
9	ANSI C language mapping.....	122
9.1	Introduction .....	122
9.2	Value interfaces.....	122
9.3	Logging interface .....	126
9.4	Operation interfaces .....	126
9.4.1	The TCI-TM interface .....	126
9.4.1.1	TCI-TM provided.....	126
9.4.1.2	TCI-TM required.....	127
9.4.2	The TCI-CD interface .....	127
9.4.2.1	TCI-CD provided .....	127
9.4.2.2	TCI-CD required .....	127
9.4.3	The TCI-CH interface.....	127
9.4.3.1	TCI-CH provided .....	127
9.4.3.2	TCI-CH required .....	128
9.4.4	The TCI-TL interface.....	128
9.4.4.1	TCI-TL provided.....	128
9.5	Data .....	133
9.6	Miscellaneous.....	134
10	W3C XML mapping.....	135
10.1	Introduction .....	135
10.2	Scopes .....	135
10.3	Type mapping.....	135
10.3.1	Mapping of simple types.....	135
10.3.1.1	TBoolean.....	135
10.3.1.2	TString .....	135
10.3.1.3	TInteger.....	135
10.3.1.4	TriTimerDurationType.....	135
10.3.1.5	TciParameterPassingModeType.....	135
10.3.1.6	TriStatusType.....	136
10.3.1.7	TciStatusType .....	136
10.3.1.8	ComponentStatusType .....	136
10.3.1.9	TimerStatusType.....	136
10.3.1.10	PortStatusType.....	136
10.3.2	Complex type mapping .....	136
10.3.2.1	TriPortIdType.....	136
10.3.2.2	TriComponentIdType.....	136
10.3.2.3	TriComponentIdListType .....	137
10.3.2.4	Port.....	137
10.3.2.5	Id .....	137
10.3.2.6	TriMessageType.....	138
10.3.2.7	TriParameterType .....	138
10.3.2.8	TriParameterListType .....	138
10.3.2.9	TriAddressType .....	139
10.3.2.10	TriAddressListType .....	139
10.3.2.11	TriExceptionType .....	139
10.3.2.12	TriSignatureIdType.....	139
10.3.2.13	TriTimerIdType .....	140
10.3.2.14	TriTimerDurationType.....	140
10.3.2.15	QualifiedName .....	140
10.3.2.16	TciBehaviourIdType .....	140



10.3.2.17	TciTestCaseIdType .....	141
10.3.2.18	TciParameterType .....	141
10.3.2.19	TciParameterListType .....	141
10.3.3	Abstract value mapping .....	142
10.3.3.1	Value .....	142
10.3.3.2	IntegerValue .....	143
10.3.3.3	FloatValue .....	143
10.3.3.4	BooleanValue .....	144
10.3.3.5	ObjidValue .....	144
10.3.3.6	VerdictValue .....	144
10.3.3.7	BitstringValue .....	145
10.3.3.8	HexstringValue .....	145
10.3.3.9	OctetstringValue .....	145
10.3.3.10	CharstringValue .....	146
10.3.3.11	UniversalCharstringValue .....	146
10.3.3.12	RecordValue .....	147
10.3.3.13	RecordOfValue .....	148
10.3.3.14	SetValue .....	149
10.3.3.15	SetOfValue .....	150
10.3.3.16	EnumeratedValue .....	152
10.3.3.17	UnionValue .....	152
10.3.3.18	AnytypeValue .....	153
10.3.3.19	AddressValue .....	154
10.3.4	Abstract logging types mapping .....	155
10.3.4.1	TciValueTemplate .....	155
10.3.4.2	TciNonValueTemplate .....	156
10.3.4.3	TciValueList .....	157
10.3.4.4	TciValueDifference .....	157
10.3.4.5	TciValueDifferenceList .....	157
10.4	Mapping of the operations on the logging interface .....	158
10.4.1	Event .....	158
10.4.2	The TCI-TL interface .....	158
10.4.2.1	TCI-TL provided .....	158
11	Use scenarios .....	177
11.1	Initialization, collecting information, logging .....	177
11.1.1	Use scenario: initialization .....	177
11.1.1.1	Sequence diagram .....	177
11.1.1.2	TTCN-3 fragment .....	178
11.1.2	Use scenario: requesting module parameters .....	178
11.1.2.1	Sequence diagram .....	178
11.1.2.2	TTCN-3 fragment .....	178
11.1.3	Use scenario: logging .....	178
11.1.3.1	Sequence diagram .....	179
11.1.3.2	TTCN-3 fragment .....	179
11.2	Execution of test cases and control .....	179
11.2.1	Use scenario: execution of control .....	179
11.2.1.1	Sequence diagram .....	179
11.2.1.2	TTCN-3 fragment .....	180
11.2.2	Use scenario: test case execution within control .....	180
11.2.2.1	Sequence diagram .....	180
11.2.2.2	TTCN-3 fragment .....	180
11.2.3	Use scenario: direct test case execution .....	180
11.2.3.1	Sequence diagram .....	181
11.2.3.2	TTCN-3 fragment .....	181
11.2.4	Use scenario: execute test case to TRI .....	181
11.2.4.1	Sequence diagram .....	181
11.2.4.2	TTCN-3 fragment .....	182
11.3	Component handling .....	182
11.3.1	Use scenario: local control component creation .....	182
11.3.1.1	Sequence diagram .....	182
11.3.1.2	TTCN-3 fragment .....	183

11.3.2	Use scenario: remote control component creation .....	183
11.3.2.1	Sequence diagram .....	183
11.3.2.2	TTCN-3 fragment .....	183
11.3.3	Use scenario: local MTC creation.....	184
11.3.3.1	Sequence diagram .....	184
11.3.3.2	TTCN-3 fragment .....	184
11.3.4	Use scenario: remote MTC creation .....	184
11.3.4.1	Sequence diagram .....	185
11.3.4.2	TTCN-3 fragment .....	185
11.3.5	Use scenario: component handling for test case execution within control .....	185
11.3.5.1	Sequence diagram .....	186
11.3.5.2	TTCN-3 fragment .....	186
11.3.6	Use scenario: component handling for direct test case execution.....	187
11.3.6.1	Sequence diagram .....	187
11.3.6.2	TTCN-3 fragment .....	188
11.3.7	Use scenario: propagation of map/connect .....	188
11.3.7.1	Sequence diagram .....	188
11.3.7.2	TTCN-3 fragment .....	188
11.3.8	Use scenario: propagation of unmap/disconnect.....	189
11.3.8.1	Sequence diagram .....	189
11.3.8.2	TTCN-3 fragment .....	189
11.4	Termination of test cases and control.....	189
11.4.1	Use scenario: stop a test case .....	189
11.4.1.1	Sequence diagram .....	190
11.4.1.2	TTCN-3 fragment .....	190
11.4.2	Use scenario: stop control.....	190
11.4.2.1	Sequence diagram .....	191
11.4.2.2	TTCN-3 fragment .....	191
11.4.3	Use scenario: termination of control after error.....	191
11.4.3.1	Sequence diagram .....	192
11.4.3.2	TTCN-3 fragment .....	192
11.4.4	Use scenario: termination of a test case after error.....	192
11.4.4.1	Sequence diagram .....	193
11.4.4.2	TTCN-3 fragment .....	194
11.4.5	Use scenario: reset .....	194
11.4.5.1	Sequence diagram .....	194
11.4.5.2	TTCN-3 fragment .....	194
11.5	Communication .....	194
11.5.1	Use scenario: local intercomponent communication .....	194
11.5.1.1	Sequence diagram .....	195
11.5.1.2	TTCN-3 fragment .....	195
11.5.2	Use scenario: internode communication between test components .....	195
11.5.2.1	Sequence diagram .....	196
11.5.2.2	TTCN-3 fragment .....	196
11.5.3	Use scenario: encoding .....	196
11.5.3.1	Sequence diagram .....	197
11.5.3.2	TTCN-3 fragment .....	197
11.5.4	Use scenario: decoding .....	197
11.5.4.1	Sequence diagram .....	198
11.5.4.2	TTCN-3 fragment .....	198
<b>Annex A (normative):</b>	<b>IDL Specification of TCI.....</b>	<b>199</b>
<b>Annex B (normative):</b>	<b>XML Mapping for TCI TL Provided.....</b>	<b>215</b>
B.1	TCI-TL XML Schema for Simple Types .....	215
B.2	TCI-TL XML Schema for Types .....	216
B.3	TCI-TL XML Schema for Values .....	218
B.4	TCI-TL XML Schema for Templates .....	223
B.5	TCI-TL XML Schema for Events .....	229

B.6 TCI-TL XML Schema for a Log.....	248
<b>Annex C (informative): Bibliography.....</b>	<b>252</b>
History .....	253

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## Foreword

This ETSI Standard (ES) has been produced by ETSI Technical Committee Methods for Testing and Specification (MTS).

The present document is part 6 of a multi-part deliverable. Full details of the entire series can be found in part 1 [1].

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# 1 Scope

The present document specifies the control interfaces for TTCN-3 test system implementations. The TTCN-3 Control Interfaces provide a standardized adaptation for management, test component handling and encoding/decoding of a test system to a particular test platform. The present document defines the interfaces as a set of operations independent of a target language.

The interfaces are defined to be compatible with the TTCN-3 standard (see clause 2). The interface definition uses the CORBA Interface Definition Language (IDL) to specify the TCI completely. Clauses 8 and 9 present language mappings for this abstract specification to the target languages Java and ANSI C. A summary of the IDL-based interface specification is provided in annex A.

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# 2 References

References are either specific (identified by date of publication and/or edition number or version number) or non-specific.

- For a specific reference, subsequent revisions do not apply.
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  - if it is accepted that it will be possible to use all future changes of the referenced document for the purposes of the referring document;
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For online referenced documents, information sufficient to identify and locate the source shall be provided. Preferably, the primary source of the referenced document should be cited, in order to ensure traceability. Furthermore, the reference should, as far as possible, remain valid for the expected life of the document. The reference shall include the method of access to the referenced document and the full network address, with the same punctuation and use of upper case and lower case letters.

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## 2.1 Normative references

The following referenced documents are indispensable for the application of the present document. For dated references, only the edition cited applies. For non-specific references, the latest edition of the referenced document (including any amendments) applies.

- [1] ETSI ES 201 873-1: "Methods for Testing and Specification (MTS); The Testing and Test Control Notation version 3; Part 1: TTCN-3 Core Language".
- [2] ETSI ES 201 873-4: "Methods for Testing and Specification (MTS); The Testing and Test Control Notation version 3; Part 4: TTCN-3 Operational Semantics".
- [3] ETSI ES 201 873-5: "Methods for Testing and Specification (MTS); The Testing and Test Control Notation version 3; Part 5: TTCN-3 Runtime Interface (TRI)".
- [4] ISO/IEC 9646-1: "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 1: General concepts".
- [5] W3C Recommendation: "XML Schema Part 0: Primer".

NOTE: See at <http://www.w3.org/TR/2004/REC-xmlschema-0-20041028/>.