ETSI ES 201 873-6 V4.11.1 (2019-04)

Methods for Testing and Specification (MTS);

The Testing and Test Control Notation version 3;

Part 6: TTCN‑3 Control Interface (TCI)

**ETSI Standard**

Reference

RES/MTS-201873-6ed4.11.1

Keywords

control, interface, methodology, TCI, testing, TTCN-3

***ETSI***

650 Route des Lucioles

F-06921 Sophia Antipolis Cedex - FRANCE

Tel.: +33 4 92 94 42 00 Fax: +33 4 93 65 47 16

Siret N° 348 623 562 00017 - NAF 742 C

Association à but non lucratif enregistrée à la

Sous-Préfecture de Grasse (06) N° 7803/88

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#### 10.6.4.1 TciTlProvided

This class defines the TCI\_TL provided Tinterface:

//Default constructor

TciTlProvided ();

// Destructor

virtual ~TciTlProvided ();

//Called by TE to log the execute test case request

virtual void tliTcExecute (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TciTestCaseId \*tcId, const TciParameterList \*tciPars, const TriTimerDuration \*dur)=0;

//Called by TE to log the start of a testcase. This event occurs before the testcase is started

virtual void tliTcStart (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const TciTestCaseId \*tcId, const TciParameterList \*tciPars, const TriTimerDuration \*dur)=0;

//Called by TE to log the stop of a testcase

virtual void tliTcStop (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const TString &reason)=0;

//Called by TE to log the start of a testcase

virtual void tliTcStarted (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const TciTestCaseId \*tcId, const TciParameterList \*tciPars, const TriTimerDuration \*dur)=0;

//Called by TE to log the termination of a testcase

virtual void tliTcTerminated (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const TciTestCaseId \*tcId, const TciParameterList \*tciPars, const VerdictValue \*verdict, const TString &reason)=0;

//Called by TE to log the start of the control part

virtual void tliCtrlStart (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c)=0;

//Called by TE to log the stop of the control part. This event occurs after the control has //stopped. If the control is not represented by TRI component, c is null

virtual void tliCtrlStop (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c)=0;

//Called by TE to log the termination of the control part

virtual void tliCtrlTerminated (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c)=0;

//Called by TE to log a unicast send operation

virtual void tliMSend\_m (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriPortId \*to, const TciValue \*msgValue, const TriAddress \*address, const TciStatus \*encoderFailure, const TriMessage \*msg, const TriStatus \*transmissionFailure)=0;

//Called by TE to log a broadcast send operation

virtual void tliMSend\_m\_BC (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriPortId \*to, const TciValue \*msgValue, const TciStatus \*encoderFailure, const TriMessage \*msg, const TriStatus \*transmissionFailure)=0;

//Called by TE to log a multicast send operation

virtual void tliMSend\_m\_MC (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriPortId \*to, const TciValue \*msgValue, const TriAddressList \*addresses, const TciStatus \*encoderFailure, const TriMessage \*msg, const TriStatus \*transmissionFailure)=0;

//Called by TE to log a unicast send operation

virtual void tliMSend\_c (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriPortId \*to, const TciValue \*msgValue, const TriStatus \*transmissionFailure)=0;

//Called by TE to log a broadcast send operation

virtual void tliMSend\_c\_BC (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriPortIdList \*to, const TciValue \*msgValue, const TriStatus \*transmissionFailure)=0;

//Called by TE to log a multicast send operation

virtual void tliMSend\_c\_MC (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriPortIdList \*to, const TciValue \*msgValue, const TriStatus \*transmissionFailure)=0;

//Called by TE to log the enqueuing of a message

virtual void tliMDetected\_m (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriPortId \*from, const TriMessage \*msg, const TriAddress \*address)=0;

//Called by CH to log the enqueuing of a message

virtual void tliMDetected\_c (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriPortId \*from, const TciValue \*msgValue)=0;

//Called by TE to log the mismatch of a template

virtual void tliMMismatch\_m (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TciValue \*msgValue, const TciValueTemplate \*msgTmpl, const TciValueDifferenceList \*diffs, const TciValue \*addrValue, const TciValueTemplate \*addressTmpl)=0;

//Called by TE to log the mismatch of a template

virtual void tliMMismatch\_c (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TciValue \*msgValue, const TciValueTemplate \*msgTmpl, const TciValueDifferenceList \*diffs, const TriComponentId \*from, const TciNonValueTemplate \*fromTmpl)=0;

// Called by TE to log the receiving of a message

virtual void tliMReceive\_m (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TciValue \*msgValue, const TciValueTemplate \*msgTmpl, const TciValue \*addrValue, const TciValueTemplate \*addressTmpl)=0;

//Called by TE to log the mismatch of a template

virtual void tliMReceive\_c (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TciValue \*msgValue, const TciValueTemplate \*msgTmpl, const TriComponentId \*fromComp, const TciNonValueTemplate \*fromTmpl)=0;

//Called by TE to log a unicast call operation

virtual void tliPrCall\_m (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriPortId \*to, const TriSignatureId \*signature, const TciParameterList \*tciPars, const TriAddress \*address, const TciStatus \*encoderFailure, const TriParameterList \*triPars, const TriStatus \*transmissionFailure)=0;

//Called by TE to log a broadcast call operation

virtual void tliPrCall\_m\_BC (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriPortId \*to, const TriSignatureId \*signature, const TciParameterList \*tciPars, const TciStatus \*encoderFailure, const TriParameterList \*triPars, const TriStatus \*transmissionFailure)=0;

//Called by TE to log a multicast call operation

virtual void tliPrCall\_m\_MC (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriPortId \*to, const TriSignatureId \*signature, const TciParameterList \*tciPars, const TriAddressList \*addresses, const TciStatus \*encoderFailure, const TriParameterList \*triPars, const TriStatus \*transmissionFailure)=0;

//Called by TE to log a unicast call operation

virtual void tliPrCall\_c (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriPortId \*to, const TriSignatureId \*signature, const TciParameterList \*tciPars, const TriStatus \*transmissionFailure)=0;

//Called by TE to log a broadcast call operation

virtual void tliPrCall\_c\_BC (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriPortIdList \*to, const TriSignatureId \*signature, const TciParameterList \*tciPars, const TriStatus \*transmissionFailure)=0;

//Called by TE to log a multicast call operation

virtual void tliPrCall\_c\_MC (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriPortIdList \*to, const TriSignatureId \*signature, const TciParameterList \*tciPars, const TriStatus \*transmissionFailure)=0;

//Called by TE to log the getcall enqueue operation

virtual void tliPrGetCallDetected\_m (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriPortId \*from, const TriSignatureId \*signature, const TriParameterList \*triPars, const TriAddress \*address)=0;

//Called by TE to log the getcall enqueue operation

virtual void tliPrGetCallDetected\_c (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriPortId \*from, const TriSignatureId \*signature, const TciParameterList \*tciPars)=0;

//Called by TE to log the mismatch of a getcall

virtual void tliPrGetCallMismatch\_m (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriSignatureId \*signature, const TciParameterList \*tciPars, const TciValueTemplate \*parsTmpl, const TciValueDifferenceList \*diffs, const TciValue \*addrValue, const TciValueTemplate \*addressTmpl)=0;

//Called by TE to log the mismatch of a getcall

virtual void tliPrGetCallMismatch\_c (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriSignatureId \*signature, const TciParameterList \*tciPars, const TciValueTemplate \*parsTmpl, const TciValueDifferenceList \*diffs, const TriComponentId \*from, const TciValueTemplate \*fromTmpl)=0;

//Called by TE to log getting a call

virtual void tliPrGetCall\_m (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriSignatureId \*signature, const TciParameterList \*tciPars, const TciValueTemplate \*parsTmpl, const TciValue \*addrValue, const TciValueTemplate \*addressTmpl)=0;

//Called by TE to log getting a call

virtual void tliPrGetCall\_c (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriSignatureId \*signature, const TciParameterList \*tciPars, const TciValueTemplate \*parsTmpl, const TriComponentId \*from, const TciNonValueTemplate \*fromTmpl)=0;

//Called by TE to log a unicast reply operation

virtual void tliPrReply\_m (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriPortId \*to, const TriSignatureId \*signature, const TciParameterList \*tciPars, const TciValue \*replValue, const TriAddress \*address, const TciStatus \*encoderFailure, const TriParameterList \*triPars, const TriParameter \*repl, const TriStatus \*transmissionFailure)=0;

//Called by TE to log a broadcast reply operation

virtual void tliPrReply\_m\_BC (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriPortId \*to, const TriSignatureId \*signature, const TciParameterList \*tciPars, const TciValue \*replValue, const TciStatus \*encoderFailure, const TriParameterList \*triPars, const TriParameter \*repl, const TriStatus \*transmissionFailure)=0;

//Called by TE to log a multicast reply operation

virtual void tliPrReply\_m\_MC (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriPortId \*to, const TriSignatureId \*signature, const TciParameterList \*tciPars, const TciValue \*replValue, const TriAddressList \*addresses, const TciStatus \*encoderFailure, const TriParameterList \*triPars, const TriParameter \*repl, const TriStatus \*transmissionFailure)=0;

//Called by TE to log a unicast reply operation

virtual void tliPrReply\_c (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriPortId \*to, const TriSignatureId \*signature, const TciValue \*parsValue, const TciValue \*replValue, const TriStatus \*transmissionFailure)=0;

//Called by TE to log a broadcast reply operation

virtual void tliPrReply\_c\_BC (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriPortIdList \*to, const TriSignatureId \*signature, const TciValue \*parsValue, const TciValue \*replValue, const TriStatus \*transmissionFailure)=0;

//Called by TE to log og a multicast reply operation

virtual void tliPrReply\_c\_MC (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriPortIdList \*to, const TriSignatureId \*signature, const TciValue \*parsValue, const TciValue \*replValue, const TriStatus \*transmissionFailure)=0;

//Called by TE to log the getreply enqueue operation

virtual void tliPrGetReplyDetected\_m (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriPortId \*from, const TriSignatureId \*signature, const TriParameterList \*triPars, const TriParameter \*repl, const TriAddress \*address)=0;

//Called by CH to log the getreply enqueue operation

virtual void tliPrGetReplyDetected\_c (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriPortId \*from, const TriSignatureId \*signature, const TciParameterList \*tciPars, const TciValue \*replValue)=0;

//Called by TE to log the mismatch of a getreply operation

virtual void tliPrGetReplyMismatch\_m (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriSignatureId \*signature, const TciParameterList \*tciPars, const TciValueTemplate \*parsTmpl, const TciValue \*replValue, const TciValueTemplate \*replyTmpl, const TciValueDifferenceList \*diffs, const TciValue \*addrValue, const TciValueTemplate \*addressTmpl)=0;

//Called by TE to log the mismatch of a getreply operation

virtual void tliPrGetReplyMismatch\_c (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriSignatureId \*signature, const TciParameterList \*tciPars, const TciValueTemplate \*parsTmpl, const TciValue \*replValue, const TciValueTemplate \*replyTmpl, const TciValueDifferenceList \*diffs, const TriComponentId \*from, const TciNonValueTemplate \*fromTmpl)=0;

//Called by TE to log getting a reply

virtual void tliPrGetReply\_m (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriSignatureId \*signature, const TciParameterList \*tciPars, const TciValueTemplate \*parsTmpl, const TciValue \*replValue, const TciValueTemplate \*replyTmpl, const TciValue \*addrValue, const TciValueTemplate \*addressTmpl)=0;

//Called by TE to log getting a reply

virtual void tliPrGetReply\_c (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriSignatureId \*signature, const TciParameterList \*tciPars, const TciValueTemplate \*parsTmpl, const TciValue \*replValue, const TciValueTemplate \*replyTmpl, const TriComponentId \*from, const TciNonValueTemplate \*fromTmpl)=0;

//Called by TE to log a unicast raise operation

virtual void tliPrRaise\_m (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriPortId \*to, const TriSignatureId \*signature, const TciParameterList \*tciPars, const TciValue \*excValue, const TriAddress \*address, const TriStatus \*encoderFailure, const TriException \*exc, const TriStatus \*transmissionFailure)=0;

//Called by TE to log a broadcast raise operation

virtual void tliPrRaise\_m\_BC (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriPortId \*to, const TriSignatureId \*signature, const TciParameterList \*tciPars, const TciValue \*excValue, const TriStatus \*encoderFailure, const TriException \*exc, const TriStatus \*transmissionFailure)=0;

//Called by TE to log a multicast raise operation

virtual void tliPrRaise\_m\_MC (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriPortId \*to, const TriSignatureId \*signature, const TciParameterList \*tciPars, const TciValue \*excValue, const TriAddressList \*addresses, const TriStatus \*encoderFailure, const TriException \*exc, const TriStatus \*transmissionFailure)=0;

//Called by TE to log a unicast raise operation

virtual void tliPrRaise\_c (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriPortId \*to, const TriSignatureId \*signature, const TciParameterList \*tciPars, const TciValue \*excValue, const TriStatus \*transmissionFailure)=0;

//Called by TE to log a broadcast raise operation

virtual void tliPrRaise\_c\_BC (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriPortIdList \*to, const TriSignatureId \*signature, const TciParameterList \*tciPars, const TciValue \*excValue, const TriStatus \*transmissionFailure)=0;

//Called by TE to log a multicast raise operation

virtual void tliPrRaise\_c\_MC (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriPortIdList \*to, const TriSignatureId \*signature, const TciParameterList \*tciPars, const TciValue \*excValue, const TriStatus \*transmissionFailure)=0;

//Called by TE to log the catch enqueue operation

virtual void tliPrCatchDetected\_m (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriPortId \*from, const TriSignatureId \*signature, const TriException \*exc, const TriAddress \*address)=0;

//Called by TE to log the catch enqueue operation

virtual void tliPrCatchDetected\_c (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriPortId \*from, const TriSignatureId \*signature, const TciValue \*excValue)=0;

//Called by TE to log the mismatch of a catch operation

virtual void tliPrCatchMismatch\_m (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriSignatureId \*signature, const TciValue \*excValue, const TciValueTemplate \*excTmpl, const TciValueDifferenceList \*diffs, const TciValue \*addrValue, const TciValueTemplate \*addressTmpl)=0;

//Called by TE to log the mismatch of a catch operation

virtual void tliPrCatchMismatch\_c (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriSignatureId \*signature, const TciValue \*excValue, const TciValueTemplate \*excTmpl, const TciValueDifferenceList \*diffs, const TriComponentId \*from, const TciNonValueTemplate \*fromTmpl)=0;

//Called by TE to log catching an exception

virtual void tliPrCatch\_m (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriSignatureId \*signature, const TciValue \*excValue, const TciValueTemplate \*excTmpl, const TciValue \*addrValue, const TciValueTemplate \*addressTmpl)=0;

//Called by TE to log catching an exception

virtual void tliPrCatch\_c (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriSignatureId \*signature, const TciValue \*excValue, const TciValueTemplate \*excTmpl, const TriComponentId \*from, const TciNonValueTemplate \*fromTmpl)=0;

//Called by TE to log the detection of a catch timeout

virtual void tliPrCatchTimeoutDetected (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriSignatureId \*signature)=0;

//Called by TE to log catching a timeout

virtual void tliPrCatchTimeout (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriSignatureId \*signature)=0;

//Called by TE to log the create component operation

virtual void tliCCreate (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriComponentId \*comp, const Tstring &name, const Tboolean alive)=0;

//Called by TE to log the start component operation

virtual void tliCStart (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const TriComponentId \*comp, const TciBehaviourId \*beh, const TciParameterList \*tciPars)=0;

//Called by TE to log the running component operation

virtual void tliCRunning (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const TriComponentId \*comp, const ComponentStatus status)=0;

//Called by TE to log the alive component operation

virtual void tliCAlive (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const TriComponentId \*comp, const ComponentStatus status)=0;

//Called by TE to log the stop component operation

virtual void tliCStop (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const TriComponentId \*comp)=0;

//Called by TE to log the kill component operation

virtual void tliCKill (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const TriComponentId \*comp)=0;

//Called by TE to log the mismatch of a done component operation

virtual void tliCDoneMismatch (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const TriComponentId \*comp, const TciNonValueTemplate \*compTmpl)=0;

//Called by TE to log the done component operation

virtual void tliCDone (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const TciNonValueTemplate \*compTmpl, const VerdictValue \* verdict)=0;

//Called by TE to log the mismatch of a killed component operation

virtual void tliCKilledMismatch (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const TciNonValueTemplate \*compTmpl)=0;

//Called by TE to log the killed component operation

virtual void tliCKilled (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const TciNonValueTemplate \*compTmpl, const VerdictValue \* verdict)=0;

//Called by TE to log the termination of a component

virtual void tliCTerminated (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const VerdictValue \*verdict, const TString &reason)=0;

//Called by TE to log the connect operation

virtual void tliPConnect (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriPortId \*port1, const TriPortId \*port2)=0;

//Called by TE to log the connect operation

virtual void tliPDisconnect (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const TriPortId \*port1, const TriPortId \*port2)=0;

//Called by TE to log the map operation

virtual void tliPMap (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const TriPortId \*port1, const TriPortId \*port2)=0;

//Called by TE to log the map operation including param

virtual void tliPMapParam (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const TriPortId \*port1, const TriPortId \*port2, const TciParameterList \*tciPars, const TriStatus \*encoderFailure,
const TriParameterList \*triPars)=0

//Called by TE to log the unmap operation

virtual void tliPUnmap (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const TriPortId \*port1, const TriPortId \*port2)=0;

//Called by TE to log the unmap operation including param

virtual void tliPUnmapParam (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const TriPortId \*port1, const TriPortId \*port2, const TciParameterList \*tciPars, const TriStatus \*encoderFailure,
const TriParameterList \*triPars)=0

//Called by TE to log the port clear operation

virtual void tliPClear (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const TriPortId \*port)=0;

//Called by TE to log the port start operation

virtual void tliPStart (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const TriPortId \*port)=0;

//Called by TE to log the port stop operation

virtual void tliPStop (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const TriPortId \*port)=0;

//Called by TE to log the port stop operation

virtual void tliPHalt (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const TriPortId \*port)=0;

//Called by TE to log the encode operation

virtual void tliEncode (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const TciValue \*val, const TciStatus \*encoderFailure, const TriMessage \*msg, const Tstring &codec)=0;

//Called by TE to log the decode operation

virtual void tliDecode (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const TriMessage \*msg, const TciStatus \*decoderFailure, const TciValue \*val, const Tstring &codec)=0;

//Called by TE to log the detection of a timeout

virtual void tliTTimeoutDetected (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const TriTimerId \*timer)=0;

//Called by TE to log a timeout mismatch

virtual void tliTTimeoutMismatch (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const TriTimerId \*timer, const TciNonValueTemplate \*timerTmpl)=0;

//Called by TE to log a timeout match

virtual void tliTTimeout (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const TriTimerId \*timer, const TciNonValueTemplate \*timerTmpl)=0;

//Called by TE to log the start of a timer

virtual void tliTStart (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const TriTimerId \*timer, const TriTimerDuration \*dur)=0;

//Called by TE to log the stop of a timer

virtual void tliTStop (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const TriTimerId \*timer, const TriTimerDuration \*dur)=0;

//Called by TE to log the reading of a timer

virtual void tliTRead (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const TriTimerId \*timer, const TriTimerDuration \*elapsed)=0;

//Called by TE to log the running timer operation

virtual void tliTRunning (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const TriTimerId \*timer, const TimerStatus status)=0;

//Called by TE to log the entering of a scope

virtual void tliSEnter (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const QualifiedName &name, const TciParameterList \*tciPars, const Tstring &kind)=0;

//Called by TE to log the leaving of a scope

virtual void tliSLeave (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const QualifiedName &name, const TciParameterList \*tciPars, const TciValue \*returnValue, const Tstring &kind)=0;

//Called by TE to log the modification of the value of a variable

virtual void tliVar (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const QualifiedName &name, const TciValue \*varValue)=0;

//Called by TE to log the value of a module parameter

virtual void tliModulePar (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const QualifiedName &name, const TciValue \*parValue)=0;

//Called by TE to log the value of a module parameter

virtual void tliGetVerdict (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const VerdictValue \*verdict)=0;

//Called by TE to log the setverdict operation

virtual void tliSetVerdict (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const VerdictValue \*verdict, const TString &reason)=0;

//Called by TE to log the TTCN-3 statement log

virtual void tliLog (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const Tstring \*log)=0;

//Called by TE to log entering an alt

virtual void tliAEnter (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c)=0;

//Called by TE to log leaving an alt

virtual void tliALeave (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c)=0;

//Called by TE to log the nomatch of an alt

virtual void tliANomatch (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c)=0;

//Called by TE to log repeating an alt

virtual void tliARepeat (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c)=0;

//Called by TE to log entering the default section

virtual void tliADefaults (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c)=0;

//Called by TE to log the activation of a default

virtual void tliAActivate (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const QualifiedName &name, const TciParameterList \*tciPars, const TciValue \*ref)=0;

//Called by TE to log the deactivation of a default

virtual void tliADeactivate (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const TciValue \*ref)=0;

//Called by TE to log entering an alt

virtual void tliAWait (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c)=0;

//Called by TE to log that the component executed an SUT action

virtual void tliAction (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const Tstring &action)=0;

//Called by TE to log that the component successfully executed a match operation

virtual void tliMatch (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const TciValue &expr, const TciValueTemplate &tmpl)=0;

//Called by TE to log that the component executed a match operation, and a mismatch occurred

virtual void tliMatchMismatch (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const TciValue &expr, const TciValueTemplate &tmpl, const TciValueDifferenceList &diffs)=0;

//Can be called by the TE to log additional information during test execution

virtual void tliInfo (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const Tinteger level, const Tstring &info)=0;

//Called by TE to log the checking of a message

virtual void tliMChecked\_m (const Tstring &am, const timeval ts, const Tstring &src,

const Tinteger line, const TriComponentId \*c, const TriPortId \*at,

const TciValue \*msgValue, const TciValueTemplate \*msgTmpl,

const TciValue \*address, const TciValueTemplate \*addressTmpl)=0;

//Called by CH to log the checking of a message

virtual void tliMChecked\_c (const Tstring &am, const timeval ts, const Tstring src,

const Tinteger line, const TriComponentId \*c, const TriPortId \*at,

const TciValue \*msgValue, const TciValueTemplate \*msgTmpl,

const TriComponentId \*from, const TciNonValueTemplate \*fromTmpl)=0;

//Called by TE to log checking of the getcall operation

virtual void tliPrGetCallChecked\_m (const Tstring &am, const timeval ts, const Tstring src,

const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriSignatureId \*signature,

const TciParameterList \*tciPars, const TciValueTemplate \*parsTmpl,

const TciValue \*address, const TciValueTemplate \*addressTmpl)=0;

//Called by TE to log checking of the getcall operation

virtual void tliPrGetCallChecked\_c (const Tstring &am, const timeval ts, const Tstring src,

const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriSignatureId \*signature,

const TciParameterList \*tciPars, const TciValueTemplate \*parsTmpl,

const TriComponentId \*from, const TciNonValueTemplate \*fromTmpl)=0;

//Called by TE to log checking of the getreply operation

virtual void tliPrGetReplyChecked\_m (const Tstring &am, const timeval ts, const Tstring src,

const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriSignatureId \*signature,

const TciParameterList \*tciPars, const TciValueTemplate \*parsTmpl,

const TciValue \*replValue, const TciValueTemplate \*replyTmpl,

const TciValue \*address, const TciValueTemplate \*addressTmpl)=0;

//Called by CH to log checking of the getreply operation

virtual void tliPrGetReplyChecked\_c (const Tstring &am, const timeval ts, const Tstring src,

const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriSignatureId \*signature,

const TciParameterList \*tciPars, const TciValueTemplate \*parsTmpl,

const TciValue \*replValue, const TciValueTemplate \*replyTmpl,

const TriComponentId \*from, const TciNonValueTemplate \*fromTmpl)=0;

//Called by TE to log checking of the catch operation

virtual void tliPrCatchChecked\_m (const Tstring &am, const timeval ts, const Tstring src,

const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriSignatureId \*signature,

const TciValue \*excValue, const TciValueTemplate \*excTmpl,

const TciValue \*address, const TciValueTemplate \*addressTmpl)=0;

//Called by TE to log checking of the catch operation

virtual void tliPrCatchChecked\_c (const Tstring &am, const timeval ts, const Tstring src,

const Tinteger line, const TriComponentId \*c, const TriPortId \*at, const TriSignatureId \*signature,

const TciValue \*excValue, const TciValueTemplate \*excTmpl,

const TriComponentId \*from, const TciNonValueTemplate \*fromTmpl)=0;

//Called by TE to log the check any operation

virtual void tliCheckedAny\_m (const Tstring &am, const timeval ts, const Tstring &src,

const Tinteger line, const TriComponentId \*c, const TriPortId \*at,

const TciValue \*address, const TciValueTemplate \*addressTmpl)=0;

//Called by CH to log the check any operation

virtual void tliCheckedAny\_c (const Tstring &am, const timeval ts, const Tstring src,

const Tinteger line, const TriComponentId \*c, const TriPortId \*at,

const TriComponentId \*from, const TciNonValueTemplate \*fromTmpl)=0;

//Called by TE to log the mismatch in a check any operation

virtual void tliCheckAnyMismatch\_m (const Tstring &am, const timeval ts, const Tstring &src,

const Tinteger line, const TriComponentId \*c, const TriPortId \*at,

const TciValue \*addrValue, const TciValueTemplate \*addressTmpl)=0;

//Called by CH to log the mismatch in a check any operation

virtual void tliCheckAnyMismatch\_c (const Tstring &am, const timeval ts, const Tstring src,

const Tinteger line, const TriComponentId \*c, const TriPortId \*at,

const TriComponentId \*from, const TciNonValueTemplate \*fromTmpl)=0;

//Called by TE to log the generation of a random number

virtual void tliRnd (const Tstring &am, const timeval ts, const Tstring src, const Tinteger line, const TriComponentId \*c, const FloatValue \*val, const FloatValue \*seed)=0;

//Called by TE to log evaluation of a @fuzzy or @lazy template or variable

virtual void tliEvaluate (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const QualifiedName &name, const TciValue \*evalResult)=0;

//Called by TE to log the component call operation

virtual void tliCCall (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const TriComponentId \*comp, const TciBehaviourId \*beh, const TciParameterList \*tciPars)=0;

//Called by TE to log the end of a component call

virtual void tliCCallTerminated (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const VerdictValue \*verdict, const TString &reason,
TciParameterList \*tciPars, const TciValue \*returnValue)=0;

//Called by TE to log the start of a parameterized module control function

virtual void tliCtrlStartWithParameters (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const TciParameterList \*tciPars)=0;

//Called by TE to log the termination of a parameterized module control function

virtual void tliCtrlTerminatedWithResult (const Tstring &am, const timeval ts, const Tstring &src, const Tinteger line, const TriComponentId \*c, const TciValue \*val, const TciParameterList \*tciPars)=0;