

ISDN Conformance Test List

- Verification of Device behavior for valid, invalid and inopportune events in a given state
- Verification of Bearer capability negotiation
- Verification of device behavior for valid and invalid Information elements
- Verification and Validation of protocol related timers
- Sequence Number Verification in Lap-D
- Verification of Re-Transmission of messages in a given state
- Simulated ISDN conformance call states include -
 - U0 (Null state)
 - U01 (Call Initiated call)
 - U3 (Outgoing call proceeding)
 - U4 (Call delivered)
 - U8 (Connect request)
 - U10 (Active)
 - U11 (Disconnect request)
 - U19 (Release request)
 - U25 (Overlap receiving),
 - R0 (Null state)
- Simulated LAPD conformance call states include-
 - TEI Assigned state
 - Multiple Frame Established state
 - Timer Recovery state

Compatibility procedures

- Message Compatibility Information: Release call
- Message Compatibility Information: Discard message
- Message Compatibility Information: Pass on
- Message Compatibility Information: Pass on not possible, release call
- Message Compatibility Information: Pass on not possible, discard information
- Message Compatibility Information: Transit interpretation
- Message Compatibility Information not received
- Parameter Compatibility Information: Release call
- Parameter Compatibility Information: Discard message
- Parameter Compatibility Information: Discard parameter
- Parameter Compatibility Information: Pass on
- Parameter Compatibility Information: Pass on not possible, release call
- Parameter Compatibility Information: Pass on not possible, discard message
- Parameter Compatibility Information: Pass on not possible, discard parameter
- Parameter Compatibility Information: Transit interpretation
- Parameter Compatibility Information not received
- Parameter Compatibility Information not received in REL

Both way circuit selection

- IAM sent by controlling SP
- IAM sent by non-controlling SP

Normal call release

- Calling party clears before address complete
- Calling party clears before answer
- Calling party clears after answer
- Called party clears after answer
- Suspend initiated by the network
- Suspend and resume initiated by a calling party
- Suspend and resume initiated by a called party
- Collision of REL messages

Bearer services - 64 kbit/s unrestricted

- Successful call setup
- Unsuccessful call setup

Unsuccessful call setup

- Validate a set of known causes for release

Continuity check call

- Continuity check required
- COT applied on previous circuit

- Calling party clears during a COT
- Delay of through connect
- COT unsuccessful

Semi-automatic operation

- FOT sent following a call to a subscriber
- FOT received following a call to a subscriber
- FOT sent following a call via codes 11 and 12
- FOT received following a call via codes 11 and 12

Congestion control and user flow control

- Automatic congestion control
- Receipt of a release message containing an automatic congestion level parameter

Echo control procedure

- Q.767 echo control procedure for call setup (initiated in SP A)
- Q.767 echo control procedure for call setup (initiated in SP B)