



ATIS-0300094.2015

**Trouble Type Codes in Support of ATIS Trouble
Administration Standards**

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(Revision of ATIS-0300094.2014)

American National Standard for Telecommunications

Trouble Type Codes in Support of ATIS Trouble Administration Standards

Alliance for Telecommunications Industry Solutions

Approved March 13, 2015

American National Standards Institute, Inc.

Abstract

This document contains a canonical listing of Trouble Type Codes to be used in the Electronic Bonding process as specified in ATIS-0300003.2012 and ATIS-0300227.2008.

Foreword

The information contained in this Foreword is not part of this American National Standard (ANS) and has not been processed in accordance with ANSI's requirements for an ANS. As such, this Foreword may contain material that has not been subjected to public review or a consensus process. In addition, it does not contain requirements necessary for conformance to the Standard.

The Alliance for Telecommunication Industry Solutions (ATIS) serves the public through improved understanding between carriers, customers, and manufacturers. The Telecom Management and Operations Committee (TMOC) -- formerly T1M1 -- develops operations, administration, maintenance and provisioning standards, and other documentation related to Operations Support System (OSS) and Network Element (NE) functions and interfaces for communications networks - with an emphasis on standards development related to U.S.A. communication networks in coordination with the development of international standards.

ANSI guidelines specify two categories of requirements: mandatory and recommendation. The mandatory requirements are designated by the word SHALL and recommendations by the word SHOULD. Where both a mandatory requirement and a recommendation are specified for the same criterion, the recommendation represents a goal currently identifiable as having distinct compatibility or performance advantages.

Suggestions for improvement of this document are welcome. They should be sent to the Alliance for Telecommunications Industry Solutions, TMOC, 1200 G Street NW, Suite 500, Washington, DC 20005.

At the time of initiation or issuance of the letter ballot for this document, TMOC, which was responsible for its development, had the following leadership:

- T. Barrett, TMOC Chair (AT&T)
- S. Kiewel, TMOC Vice Chair (iconectiv)
- T. Barrett, TMOC Technical Editor (AT&T)

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American National Standard for Telecommunications –

Trouble Type Codes in Support of ATIS Trouble Administration Standards

1 Scope, Purpose, & Application

1.1 Scope

The scope of this standard is limited to the definition of an enumerated list of trouble type codes intended to be used in support of American National Standards for Trouble Administration.

1.2 Purpose

The purpose of this standard is to provide a single set of unambiguous trouble type codes to be used consistently across all American National Standards for Trouble Administration.

1.3 Application

This standard is intended to be used together with other American National Standards for Trouble Administration (see 2).

2 Normative References

The following standards contain provisions which, through reference in this text, constitute provisions of this ATIS Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this ATIS Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below.

ATIS-0300227.2008, *Operations, Administrations, Maintenance, and Provisioning (OAM&P) – Interfaces between Operations Systems across Jurisdictional Boundaries to Support Fault Management (Trouble Administration)*.¹

ATIS-0300003.2012, *XML Schema Interface for Fault Management (Trouble Administration)*.²

3 Definitions

Clause 5 includes definitions for specific trouble types.

¹ This document is available from the Alliance for Telecommunications Industry Solutions (ATIS), 1200 G Street N.W., Suite 500, Washington, DC 20005. <<https://www.atis.org/docstore/product.aspx?id=25583>>

² This document is available from the Alliance for Telecommunications Industry Solutions (ATIS), 1200 G Street N.W., Suite 500, Washington, DC 20005. <<https://www.atis.org/docstore/product.aspx?id=26776>>

4 Acronyms

CORBA	Common Object Request Broker Architecture
IDL	Interface Definition Language
OAM&P	Operations, Administration, Maintenance, and Provisioning
XML	Extensible Markup Language

5 Trouble Type Codes for ATIS Trouble Administration Standards

Trouble type codes are listed in the following table.

NOTE: The 8000 – 8999 code block has been reserved for service provider internal use. No Trouble Type codes from 8000 through 8999 shall be passed across the Electronic Bonding Interface between companies.

<i>Trouble Type Code</i>	<i>Type Code</i>
noDialToneGroup	100
noDialTone	101
slowDialTone	102
circuitDead	103
canNotCallOutGroup	200
canNotCallOut	201
canNotBreakDialTone	203
dialToneAfterDialing	204
highAndDry	205
canNotRaise	206
allAccessBusy	207
canNotCallOut2	208
canNotCallLongDistance	209
canNotCallOverseas	210
speedCall	211
cannotCall911	212
cannotCall700	213
cannotCall800or888	214
cannotCall900	215
cannotCallIDA	216
cannotCallIntraLataToll	217
canNotBeCalledGroup	300
canNotBeCalled	301
canNotBeCalledBusy	302
doNotGetCalled	303
canNotTripRing	304

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Trouble Type Code	Type Code
falseRings	305
doNotAnswer	306
reachRecording	307
canNotRaiseAStation	308
canNotRaiseADrop	309
canNotRaiseACircuitLocation	310
ringNoAnswer	311
reorder	312
alwaysBusy	313
bellDoesNotRing	314
bellDoesNotRing2	315
bellRingsCanNotAnswer	316
bellRingsAfterAnswer	317
noRingNoAnswer	318
otherRingTrouble	319
receivesCallsForWrongNumber	320
recordingOnLine	321
ringsThenGoesBusy	322
canNotBeHeardGroup	400
canNotBeHeard	401
canNotHear	402
fading	403
distant	404
reachedWrongNumberGroup	500
wrongNumber	501
wrongPsapNumber	502
circuitOperationGroup	600
open	601
falseDisconnect	602
grounded	603
canNotBeSignalled	604
canNotSignal	605
permanentSignal	606
improperSupervision	607
supervision	608
canNotMeet	609
canNotReleaseCircuit	610
hungUp	611
noWinkStart	612
noSF	613
lowSF	614
noContinuity	615
cutCable	616

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Trouble Type Code	Type Code
openToDemarc	617
noRingGenerator	618
badERL	619
echo	620
hollow	621
circuitDead	622
circuitDown	623
failingCircuit	624
noSignal	625
seizureOnCircuit	626
lossEPSCSorSwitchedServices	627
monitorCircuit	628
newServiceNotWorking	629
openEPSCSorSwitchedServices	630
otherVoiceDescribeAdditInfo	631
trunkBlockedFarEnd	632
badBalance	633
highRateIncompleteIncoming	634
outgoingFailureAfterWink	635
requestForPerformanceMeasures	636
chronicMonitoring	637
cutOffGroup	700
cutOff	701
noiseProblemGroup	800
intermittentNoise	801
noisy	802
foreignTone	803
clipping	804
crossTalk	805
staticOnLine	806
groundHum	807
hearsOtherOnLine	808
humOnLine	809
clicking	810
noiseEPSCSorSwitchedServices	811
levelTroublesGroup	900
lowLevels	901
highLevels	902
longLevels	903
hotLevels	904
highEndRollOff	905
lowEndRollOff	906
needsEqualized	907

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Trouble Type Code	Type Code
lineLoss	908
doesNotPassFreqResponse	909
levelsOutOfLimit	910
miscellaneousTroubleGroup	1000
hiCapDown	1001
carrierDown	1002
biPolarViolations	1003
frameErrorsHicap	1004
outOfFrame	1005
lossOfSync	1006
frameSlips	1007
noLoopback	1008
canNotLoopbackDemarc	1009
recordingOnCircuit	1010
linesNeedTagging	1011
outwatsRingingIn	1012
remoteAccess	1013
other	1014
alarm	1015
multipleShortDurationHit	1016
frameErrors	1017
facilityAlarm	1018
softwareGroupAlarm	1019
dChannelDown	1020
degradationOfT1	1021
networkFailure	1022
noPsapInfo	1023
memoryServiceProblemGroup	1100
picTrouble	1101
callTransferProblem	1102
callWaitingProblem	1103
customCallFeature	1104
threeWayCalling	1105
callTraceNotWorking	1106
callTraceBlockNotWorking	1107
repeatDialNotWorking	1108
repeatDialBlockNotWorking	1109
callReturnNotWorking	1110
callReturnBlockNotWorking	1111
callerIdentificationNotWorking	1112
callBlockingNotWorking	1113
voiceMessagingServiceProblem	1114
callForwardingNotWorking	1115

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<i>Trouble Type Code</i>	<i>Type Code</i>
callForwardingBusyLineNotWorking	1116
callForwardingNoAnswerNotWorking	1117
huntingNotWorking	1118
selectiveCallForwardingNotWorking	1119
cannotSetupUniqueRingID	1120
callerIDBlockNotWorkingPerLine	1121
callerIDBlockNotWorkingPerCall	1122
cannotRemoveBlockingOnASingleCall	1123
remoteCallForwarding	1124
commonBlockCentrexProblem	1125
incorrectCallerID	1127
remoteAccessCallForwarding	1128
dataTroubleGroup	1200
canNotReceiveData	1201
canNotSendData	1202
canNotTransmitCanNotReceive	1203
noReceive	1204
noResponse	1205
delay	1206
impulseNoise	1207
phaseJitter	1208
harmonicDistortion	1209
highDistortion	1210
noDataLoopback	1211
noCarrier	1212
notPolling	1213
dataFramingErrors	1214
dropOuts	1215
hits	1216
noAnswerBack	1217
streamer	1218
outOfSpecification	1219
canNotRunToCSU	1220
canNotRunToOSU	1221
deadDataCircuit	1222
circuitInLoopback	1223
errors	1224
garbledData	1225
invalidData	1226
crossModulation	1227
slowResponse	1228
otherDataDescribeAdditInfo	1229
gettingAllOnes	1230

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Trouble Type Code	Type Code
slip	1231
noDSLConnectivity	1232
slowDSLThroughput	1233
portReset	1234
otherDataDescribeAdditInfoIN	1235
gettingAllOnesIN	1236
slipIN	1237
noDSLConnectivityIN	1238
slowDSLThroughputIN	1239
portResetIN	1240
stationTroubleGroup	1300
voiceEquipment	1301
dataEquipment	1302
videoEquipment	1303
otherEquipment	1304
stationWiring	1305
physicalTroubleGroup	1400
lightBurnedOut	1401
dataset	1402
ttySet	1403
highSpeedPrinter	1404
aNI	1405
aLI	1406
canNotActivatePC	1407
modem	1408
cathodeRayTube	1409
looseJack	1410
offHook	1411
physicalProblem	1412
processerDead	1413
wiringProblem	1414
wireBrokenSetBrokenPoleDown	1415
noRegister	1416
stuckSender	1417
otherStationTrouble	1418
cutoverBuriedDrop	1419
otherCaseGroup	1500
callTransferProblem	1501
callWaitingProblem	1502
customCallFeatureDoNotWork	1503
information	1504
threeWayCallingProblem	1505
orderWork	1506

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<i>Trouble Type Code</i>	<i>Type Code</i>
releaseCktRequestedByIC	1507
releaseCktRequestedByEC	1508
releaseFacilityRequestedByIC	1509
releaseFacilityRequestedByEC	1510
requestForRoutine	1511
release	1512
requestDispatch	1513
requestMonitorOfCircuit	1514
routineTestFailure	1515
lostTimerReport	1516
historicalReports	1517
switchOrTrunkRelated	1518
requestTestAssist	1519
analogTestLine	1520
digitalTestLine	1521
manualInterventionRequested	1522
dualdispatch	1523
recoveryGroup	1600
recoveryReport	1601
switchedNetworkProblemsGroup	1700
aNITimeout	1701
extraDigit	1702
extraPulse	1703
falseKeyPulse	1704
misplacedStartPulse	1705
mutatedDigit	1706
noKeyPulse	1707
partialDialTimeout	1708
signalingNetworkFailureIncoming	1709
stationGroupDesignationDigitFailure	1710
aNIProblem	1711
oSPSEqualAccessSignaling	1712
missingANI	1713
vacantCodeAnnouncement	1714
invalidDigit	1715
highandWet	1716
payPhoneProblemsGroup	1800
noCoinReturn	1801
coinStuck	1802
cannotDepositCoin	1803
coinsFallThrough	1804
coinsDoNotRegister	1805
payPhoneDamage	1806

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<i>Trouble Type Code</i>	<i>Type Code</i>
accessNetworkTroublesGroup	1900
accessBearerFault	1901
short	1902
loopDegradation	1903
elecInterference	1904
loopFault	1905
customerAccountRelatedGroup	2000
accountFault	2001
svcDisconnect	2002
notDSLCustomer	2003
notRegisteredforService	2004
aggregationNetworkTroublesGroup	2100
aggregationNetworkFault	2101
accessNodeFault	2102
accessNodeLineCardFault	2103
accessNodeConfigFault	2104
aggregationNetworkFaultATM	2105
authenticationTroublesGroup	2200
authProblem	2201
passwordReset	2202
authenticationFailed	2203
broadbandRemoteAccessServerTroubles Group	2300
bngFault	2301
bngConfigProb	2302
bngANConnectivityLoss	2303
configurationTroublesGroup	2400
configurationIssue	2401
configurationQuestion	2402
configurationMismatch	2403
cpeTroublesGroup	2500
cpeDCNFault	2501
cpePerformance	2502
routerConfiguration	2503
cpeFirewall	2504
pcSoftwareInterference	2505
applicationConfiguration	2506
cpeDriver	2507
cpeDHCP	2508
customerApplicationTroublesGroup	2600
custApplication	2601
slowConnection	2602
noConnection	2603
cpeReconfiguration	2604

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Trouble Type Code	Type Code
freezeFrame	2605
poorPictureQuality	2606
pictureBlockiness	2607
customerConnectionTroublesGroup	2700
custConnectionProblem	2701
noSession	2702
neverSession	2703
unavailableToInitiateSessionWorkedBefore	2704
intermittentlyUnavailToInitiateSession	2705
dropSession	2706
connectionDrop	2707
noSync	2708
timeout	2709
timeoutInactivity	2710
timeoutWhileActive	2711
dnsTroublesGroup	2800
dnsFault	2801
filterTroublesGroup	2900
filter	2901
filterAbsent	2902
filterIncompatible	2903
filterDamaged	2904
insideWiringTroublesGroup	3000
insideWire	3001
insideWireDegraded	3002
insideWireGroundLoss	3003
insideWireDefect	3004
insideWireAltered	3005
insideWireEndpoints	3006
ipNetworkTroublesGroup	3100
ipNetwork	3101
latencyTroublesGroup	3200
latency	3201
modemTroublesGroup	3300
modemfault	3301
modemAuthFailed	3302
modemIP	3303
modemLOS	3304
failureToTrain	3305
modemPower	3306
modemDead	3307
modemSoftware	3308
modemACS	3309

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<i>Trouble Type Code</i>	<i>Type Code</i>
modemIPConfiguration	3310
modemFirewall	3311
modemPortForwarding	3312
modemIncompatible	3313
modemAbsent	3314
networkInterfaceTroublesGroup	3400
nidFault	3401
loopQualificationsTroublesGroup	3500
loopNotQualified	3501
notQualifyingFeature	3502
notQualifiedDistance	3503
securityTroublesGroup	3600
generalSecurity	3601
excessiveSessions	3602
denialOfService	3603
throughputTroublesGroup	3700
throughputUnsatisfactory	3701
lowThroughput	3702
erroredTransmission	3703
erroredSwap	3704