



INTERNATIONAL STANDARD ISO/IEC 10164-14:1996
TECHNICAL CORRIGENDUM 1

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Information technology — Open Systems Interconnection — Systems Management: Confidence and diagnostic test categories

TECHNICAL CORRIGENDUM 1

Technologies de l'information — Interconnexion de systèmes ouverts (OSI) — Gestion-systèmes: Catégories de tests de confiance et de diagnostic

RECTIFICATIF TECHNIQUE 1

Technical Corrigendum 1 to International Standard ISO/IEC 10164-14:1996 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*.

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INTERNATIONAL STANDARD

ITU-T RECOMMENDATION

**INFORMATION TECHNOLOGY – OPEN SYSTEMS INTERCONNECTION –
SYSTEMS MANAGEMENT: CONFIDENCE AND DIAGNOSTIC
TEST CATEGORIES**

TECHNICAL CORRIGENDUM 1

1) Subclause A.2.1

Replace connectionTestResultPackage PACKAGE NOTIFICATIONS
"Rec. X.745 (1993) | ISO/IEC 10164-12:1994":testResultNotification connectionControlledResultsParam;;
PRESENT IF !Unsolicited reporting is supported.!

with connectionTestResultPackage PRESENT IF !Unsolicited reporting is supported.!

Replace REGISTERED AS {part14ObjectClass ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) managedObjectClass(3) 1};

2) Subclause A.2.2

Replace connectivityTestResultPackage PACKAGE NOTIFICATIONS
"Rec. X.745 (1993) | ISO/IEC 10164-12:1994":testResultNotification connectivityControlledResultsParam;;
PRESENT IF !Unsolicited reporting is supported.!

with connectivityTestResultPackage PRESENT IF !Unsolicited reporting is supported.!

Replace REGISTERED AS {part14ObjectClass ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) managedObjectClass(3) 2};

3) Subclause A.2.3

Replace "Rec. X.745 (1993) | ISO/IEC 10164-12:1994":timeoutPeriodPkg PRESENT IF

with timeoutPeriodPkg PRESENT IF

Replace dataIntegrityTestResultPackage PACKAGE NOTIFICATIONS
"Rec. X.745 (1993) | ISO/IEC 10164-12:1994":testResultNotification dataIntegrityControlledResultsParam;;
PRESENT IF !Unsolicited reporting is supported.!

with dataIntegrityTestResultPackage PRESENT IF !Unsolicited reporting is supported.!

Replace REGISTERED AS {part14ObjectClass ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) managedObjectClass(3) 3};

4) Subclause A.2.4

Replace loopbackTestResultPackage PACKAGE NOTIFICATIONS
"Rec. X.745 (1993) | ISO/IEC 10164-12:1994":testResultNotification loopbackControlledResultsParam;;
PRESENT IF !Unsolicited reporting is supported.!

with loopbackTestResultPackage PRESENT IF !Unsolicited reporting is supported.!

Replace REGISTERED AS {part14ObjectClass ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) managedObjectClass(3) 4};

5) Subclause A.2.5

Replace "Rec. X.721 (1992) | ISO/IEC 10165-2:1992":actualTestTimePackage,

with "Rec. X.745 (1993) | ISO/IEC 10164-12:1994":actualTestTimePackage,

Replace protocolIntegrityTestResultPackage PACKAGE NOTIFICATIONS
"Rec. X.745 (1993) | ISO/IEC 10164-12:1994":testResultNotification protocolIntegrityControlledResultsParam;;
PRESENT IF !Unsolicited reporting is supported.!,

with protocolIntegrityTestResultPackage PRESENT IF !Unsolicited reporting is supported.!,

Replace REGISTERED AS {part14ObjectClass ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) managedObjectClass(3) 5};

6) Subclause A.2.6

Replace "Rec. X.745 (1993) | ISO/IEC 10164-12:1994":testResultNotification
resourceBoundaryControlledResultsParam;;

with "Rec. X.745 (1993) | ISO/IEC 10164-12:1994":testResultNotification
resourceBoundaryControlledResultsParam;;

Replace REGISTERED AS {part14ObjectClass ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) managedObjectClass(3) 6};

7) Subclause A.2.7

Replace ATTRIBUTES resourceSelfTestResults;;

with ATTRIBUTES resourceSelfTestResults;;;

Replace resourceSelfTestResultPackage PACKAGE NOTIFICATIONS
"Rec. X.745 (1993) | ISO/IEC 10164-12:1994":testResultNotification resourceSelfControlledResultsParam;;
PRESENT IF !Unsolicited reporting is supported.!,

with resourceSelfTestResultPackage PRESENT IF !Unsolicited reporting is supported.!,

Replace REGISTERED AS {part14ObjectClass ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) managedObjectClass(3) 7};

8) Subclause A.2.8

Replace ;;; with ;;;;

Replace testInfrastructureTestResultPackage PACKAGE NOTIFICATIONS
"Rec. X.745 (1993) | ISO/IEC 10164-12:1994":testResultNotification testInfrastructureControlledResultsParam;;
PRESENT IF !Unsolicited reporting is supported.!,

with testInfrastructureTestResultPackage PRESENT IF !Unsolicited reporting is supported.!,

Replace REGISTERED AS {part14ObjectClass ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) managedObjectClass(3) 8};

9) Subclause A.3

Insert the following before connectivityThresholdPkg:

connectionTestResultPackage **PACKAGE NOTIFICATIONS**
 "Rec. X.745 (1993) | ISO/IEC 10164-12:1994":testResultNotification connectionControlledResultsParam;
REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) package(4) 1};

connectivityTestResultPackage **PACKAGE NOTIFICATIONS**
 "Rec. X.745 (1993) | ISO/IEC 10164-12:1994":testResultNotification connectivityControlledResultsParam;
REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) package(4) 2};

In connectivityThresholdPkg

replace **REGISTERED AS** {part14Package ??};
with **REGISTERED AS** {joint-iso-itu-t ms(9) function(2) part14(14) package(4) 3};

In DataIntegrityResultsPkg

replace **DataIntegrityResultsPkg**
with **dataIntegrityResultsPkg**
replace **REGISTERED AS** {part14Package ??};
with **REGISTERED AS** {joint-iso-itu-t ms(9) function(2) part14(14) package(4) 4};

Insert the following before dataIntegrityThresholdPkg:

dataIntegrityTestResultPackage **PACKAGE NOTIFICATIONS**
 "Rec. X.745 (1993) | ISO/IEC 10164-12:1994":testResultNotification dataIntegrityControlledResultsParam;
REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) package(4) 5};

In dataIntegrityThresholdPkg

replace **dataIntegrityResultsBehaviour**
with **dataIntegrityThresholdBehaviour**
replace **REGISTERED AS** {part14Package ??};
with **REGISTERED AS** {joint-iso-itu-t ms(9) function(2) part14(14) package(4) 6};

In dataUnitsPkg

replace **REGISTERED AS** {part14Package ??};
with **REGISTERED AS** {joint-iso-itu-t ms(9) function(2) part14(14) package(4) 7};

In loopbackResultsPkg

replace **ATTRIBUTES** **loopbackResults** **GET;**
with **ATTRIBUTES** **loopbackResult** **GET;**
replace **REGISTERED AS** {part14Package ??};
with **REGISTERED AS** {joint-iso-itu-t ms(9) function(2) part14(14) package(4) 8};

Insert the following before loopbackThresholdPkg:

loopbackTestResultPackage **PACKAGE NOTIFICATIONS**
 "Rec. X.745 (1993) | ISO/IEC 10164-12:1994":testResultNotification loopbackControlledResultsParam;
REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) package(4) 9};

In loopbackThresholdPkg

replace **REGISTERED AS** {part14Package 6};
with **REGISTERED AS** {joint-iso-itu-t ms(9) function(2) part14(14) package(4) 10};

In loopbackTimeoutPkg

replace **Rec. X.745 (1993) | ISO/IEC 10164-12:1994:testResultNotification loopbackTxDelayParam**
with **"Rec. X.745 (1993) | ISO/IEC 10164-12:1994":testResultNotification loopbackTxDelayParam;"**

replace REGISTERED AS {part14Package ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) package(4) 11};

In pDUREceptionPackage

replace REGISTERED AS {part14Package ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) package(4) 12};

In protocolIntegrityResultsPackage

Remove BEHAVIOUR protocolIntegrityResultsBehaviour;

replace REGISTERED AS {part14Package ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) package(4) 13};

Insert the following before resultIntervalPkg:

protocolIntegrityTestResultPackage PACKAGE NOTIFICATIONS

"Rec. X.745 (1993) | ISO/IEC 10164-12:1994":testResultNotification protocolIntegrityControlledResultsParam;

REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) package(4) 14};

resourceSelfTestResultPackage PACKAGE NOTIFICATIONS

"Rec. X.745 (1993) | ISO/IEC 10164-12:1994":testResultNotification resourceSelfTestControlledResultsParam;

REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) package(4) 15};

In resultIntervalPkg

replace REGISTERED AS {part14Package ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) package(4) 16};

In stateTransitionTimeInternalPkg

replace REGISTERED AS {part14Package ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) package(4) 17};

In testConditionsPkg

replace REGISTERED AS {part14Package ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) package(4) 18};

Insert the following before timeoutPeriodPkg:

testInfrastructureTestResultPackage PACKAGE NOTIFICATIONS

"Rec. X.745 (1993) | ISO/IEC 10164-12:1994":testResultNotification testInfrastructureControlledResultsParam;

REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) package(4) 19};

In timeoutPeriodPkg

replace timeoutPeriod

with "Rec. X.745 (1993) | ISO/IEC 10164-12:1994":timeoutPeriod

replace REGISTERED AS {part14Package ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) package(4) 20};

In waitingIntervalPackage

remove BEHAVIOUR waitingIntervalBehaviour;

replace REGISTERED AS {part14Package ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) package(4) 21};

10) Subclause A.4

Replace REGISTERED AS {part14NameBinding 1};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) nameBinding(6) 1};

11) Subclause A.5.1

Replace TestCategories-ASN1Module.ConnectionTestResults;

with connectionTestResults;

12) Subclause A.5.2

Replace TestCategories-ASN.1Module.ConnectionTestInfo;

with TestCategories-ASN1Module.ConnectionTestInfo;

Replace connectionTestInfoParamBehaviour;

with connectionTestInfoParamBehaviour BEHAVIOUR

Replace ;;; with ;;

REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) parameter(5) 1};

13) Subclause A.5.3

Remove BEHAVIOUR connectionUncontrolledResultsParamBehaviour;

Replace REGISTERED AS {part14Parameter ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) parameter(5) 2};

14) Subclause A.5.4

Replace connectivityResultsParamBehaviour

with connectivityResultsParamBehaviour BEHAVIOUR

15) Subclause A.5.5

Replace connectivityUncontrolledResultsParamBehaviour;

with connectivityUncontrolledResultsParamBehaviour BEHAVIOUR

Replace ;;; with ;;.

Replace REGISTERED AS {part14Parameter ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) parameter(5) 3};

16) Subclause A.5.6

Remove BEHAVIOUR connectivityTestInfoParamBehaviour;

Replace REGISTERED AS {part14Parameter ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) parameter(5) 4};

17) Subclause A.5.7

Remove BEHAVIOUR dataIntegrityControlledResultsParamBehaviour;

18) Subclause A.5.8

Remove BEHAVIOUR dataIntegrityUncontrolledResultsParamBehaviour;

Replace REGISTERED AS {part14Parameter ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) parameter(5) 5};

19) Subclause A.5.9

Remove BEHAVIOUR dataIntegrityTestInfoParamBehaviour;

Replace REGISTERED AS {part14Parameter ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) parameter(5) 6};

20) Subclause A.5.10

Replace TestCategories-ASN1Module.LoopbackTestResults;

with loopbackResult;

Remove BEHAVIOUR loopbackControlledResultsParamBehaviour;

21) Subclause A.5.11

Replace TestCategories-ASN1Module.LoopbackTestResults;

with TestCategories-ASN1Module.LoopbackTestResult;

Remove BEHAVIOUR loopbackUncontrolledResultsParamBehaviour;

Replace REGISTERED AS {part14Parameter ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) parameter(5) 7};

22) Subclause A.5.12

Remove BEHAVIOUR loopbackTestInfoParamBehaviour;

Replace REGISTERED AS {part14Parameter ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) parameter(5) 8};

23) Subclause A.5

Insert the following before A.5.13 and renumber subsequent subclauses:

A.5.13 Loopback transmission delay

loopbackTxDelayParam PARAMETER

CONTEXT EVENT-INFO;

WITH SYNTAX TestCategories-ASN1Module.LoopbackTxDelayInfo;

REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) parameter(5) 9};

24) Subclause A.5.13

Replace TestCategories-ASN1Module.ProtocolIntegrityTestResults;

with protocolIntegrityResults;

Remove BEHAVIOUR protocolIntegrityControlledResultsParamBehaviour;

25) Subclause A.5.14

Remove BEHAVIOUR protocolIntegrityUncontrolledResultsParamBehaviour;

Replace REGISTERED AS {part14Parameter ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) parameter(5) 10};

26) Subclause A.5.15

Remove BEHAVIOUR protocolIntegrityTestInfoParamBehaviour;

Replace REGISTERED AS {part14Parameter ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) parameter(5) 11};

27) Subclause A.5.16

Replace TestCategories-ASN1Module.ResourceBoundaryTestResults;

with resourceBoundaryTestResults;

28) Subclause A.5.17

Replace REGISTERED AS {part14Parameter ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) parameter(5) 12};

29) Subclause A.5.18

Replace resourceSelfTestInfoParamBehaviour;

with resourceSelfTestInfoParamBehaviour BEHAVIOUR

Replace REGISTERED AS {part14Parameter ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) parameter(5) 13};

30) New subclauses A.5.19 and A.5.20

Insert the following before A.6:

A.5.19 Resource self test controlled results

resourceSelfTestControlledResultsParam PARAMETER

CONTEXT EVENT-INFO;

WITH SYNTAX TestCategories-ASN1Module.ResourceSelfTestResults;

REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) parameter(5) 14};

A.5.20 Test infrastructure controlled results

testInfrastructureControlledResultsParam PARAMETER

CONTEXT EVENT-INFO;

WITH SYNTAX TestCategories-ASN1Module.TestInfrastructureTestResults;

REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) parameter(5) 15};

31) Subclause A.6.1

Replace REGISTERED AS {part14Attribute ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) attribute(7) 1};

32) Subclause A.6.2

Replace REGISTERED AS {part14Attribute ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) attribute(7) 2};

33) Subclause A.6.3

Replace REGISTERED AS {part14Attribute ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) attribute(7) 3};

34) Subclause A.6.4

Replace REGISTERED AS {part14Attribute ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) attribute(7) 4};

35) Subclause A.6.5

Replace REGISTERED AS {part14Attribute ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) attribute(7) 5};

36) Subclause A.6.6

Replace REGISTERED AS {part14Attribute ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) attribute(7) 6};

37) Subclause A.6.7

Replace REGISTERED AS {part14Attribute ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) attribute(7) 7};

38) Subclause A.6.8

Replace REGISTERED AS {part14Attribute ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) attribute(7) 8};

39) Subclause A.6.9

Replace REGISTERED AS {part14Attribute ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) attribute(7) 9};

40) Subclause A.6.10

Replace loopbackResults ATTRIBUTE

with loopbackResult ATTRIBUTE

Replace TestCategories-ASN1Module.loopbackTestResults;

with TestCategories-ASN1Module.LoopbackTestResult;

Replace REGISTERED AS {part14Attribute ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) attribute(7) 10};

41) Subclause A.6.11

Replace ??????;

with TestCategories-ASN1Module.Timespec;

Replace REGISTERED AS {part14Attribute ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) attribute(7) 11};

42) Subclause A.6.12

Replace REGISTERED AS {part14Attribute ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) attribute(7) 12};

43) Subclause A.6.13

Append a second semi-colon to the end of the DEFINED AS clause.

Replace REGISTERED AS {part14Attribute ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) attribute(7) 13};

44) Subclause A.6.14

Replace REGISTERED AS {part14Attribute ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) attribute(7) 14};

45) Subclause A.6.15

Replace REGISTERED AS {part14Attribute ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) attribute(7) 15};

46) Subclause A.6.16

Append a second semi-colon to the end of the DEFINED AS clause.

Replace REGISTERED AS {part14Attribute ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) attribute(7) 16};

47) Subclause A.6.17

Replace REGISTERED AS {part14Attribute ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) attribute(7) 17};

48) Subclause A.6.18

Replace REGISTERED AS {part14Attribute ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) attribute(7) 18};

49) Subclause A.6.19

Replace REGISTERED AS {part14Attribute ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) attribute(7) 19};

50) Subclause A.6.20

Append a second semi-colon to the end of the DEFINED AS clause.

Replace REGISTERED AS {part14Attribute ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) attribute(7) 20};

51) Subclause A.6.21

Replace statetTransitionTimeInterval

with stateTransitionTimeInterval

Replace TestCategories-ASN1Module.StatetTransitionTimeInterval;

with TestCategories-ASN1Module.StateTransitionTimeInterval;

Replace REGISTERED AS {part14Attribute ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) attribute(7) 21};

52) Subclause A.6.22

Replace TestCategories-ASN1Module.TestConditions

with TestCategories-ASN1Module.TestConditions;

Replace REGISTERED AS {part14Attribute ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) attribute(7) 22};

53) Subclause A.6.23

Replace REGISTERED AS {part14Attribute ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) attribute(7) 23};

54) Subclause A.6.24

Replace REGISTERED AS {part14Attribute ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) attribute(7) 24};

55) Subclause A.6.25

Replace REGISTERED AS {part14Attribute ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) attribute(7) 25};

56) Subclause A.6.26

Replace REGISTERED AS {part14Attribute ??};

with REGISTERED AS {joint-iso-itu-t ms(9) function(2) part14(14) attribute(7) 26};

57) Subclause A.7

Replace DEFINITION IMPLICIT TAGS

with DEFINITIONS IMPLICIT TAGS