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INTERNATIONAL STANDARD
ITU-T RECOMMENDATION

ITU-T X.519 (2005) | ISO/IEC 9594-5:2005
INFORMATION TECHNOLOGY – OPEN SYSTEMS INTERCONNECTION –
THE DIRECTORY: PROTOCOL SPECIFICATIONS

Technical Corrigendum 2

(covering resolution to defect reports 337, 343, 347, and 350)

1)   Correction of the defects reported in defect report 337

Update the `IdmBindError` *data typein 9,.1 and in Annex A as shown*

IdmBindError {IDM-PROTOCOL:Protocols} ::= SEQUENCE {

 protocolID   IDM-PROTOCOL.&id ({Protocols}),

--errcode   IDM-PROTOCOL.&bind-operation.&Errors.&errorCode OPTIONAL,

—————— ({Protocols} {@protocolID})

 respondingAETitle [0] GeneralName   OPTIONAL,

 aETitleError   ENUMERATED {

          callingAETitleNotAccepted (0),

          calledAETitleNotRecognized (1) } OPTIONAL,

 error   [1] IDM-PROTOCOL.&bind-operation.&Errors.&ParameterType

          ({Protocols} {@protocolID, @errcode}) }

Update the 3rd paragraph of the text in 9.1 as shown:

An **IdmB**b**ind**Error PDU is returned in response to an unsuccessful bind request. `protocolID` is the same value sent in the corresponding `bind` PDU. errcode is the code for one of the errors listed against the ERRORS field of the BIND OPERATION of the identified protocol. `error` is a value for the `PARAMETER` field of the `ERROR` identified by errcode. `respondingAETitle` is the name of the remote application entity which sent the **IdmB**b**ind**Error. `aETitleError` is set to `callingAETitleNotAccepted` if a **IdmB**b**ind** PDU is received and the supplied `callingAETitle` is not acceptable to the called system. `aETitleError` is set to `calledAETitleNotRecognized` if an **IdmB**b**ind** PDU is received and the remote application entity knows the application entity which is binding, but does not accept the `calledAETitle` sent in the **IdmB**b**ind** PDU as its own name.

Update other parts of 9.1 and in addition 9.2 and 9.3 as follows:

`bind` PDU to be replaced with `IdmBind` PDU.

`bindResult` PDU to be replace with `IdmBindResult` PDU.

`bindError` PDU to be replaced with `IdmBindError`.PDU.

`request` PDU to be replace with `Request` PDU.

`result` PDU to be replaced with IdmResult PDU.

`error` PDU to be replace with `Error` PDU.

`reject` PDU to be replaced with `IdmReject` PDU.

unbind PDU to be replaced with **Unbind** PDU.

2)   Correction of the defects reported in defect report 343

In 13.2.2 item d) change

root context

to:

root naming context.

And also change:

ITU-T Rec. X.518 | ISO/IEC 9594-4

to:

ITU-T Rec. X.501 | ISO/IEC 9594-2

3)   Correction of the defects reported in defect report 347

Replace in 7.6.6.5 and Annex B the current definition of OsiRej;

OsiRej ::= [4] IMPLICIT SEQUENCE {

invokeId   InvokeId,

problem   CHOICE {

  general   [0] GeneralProblem,

  invoke   [1] InvokeProblem,

  returnResult [2] ReturnResultProblem,

  returnError [3] ReturnErrorProblem } }

with:

OsiRej ::= [4] IMPLICIT SEQUENCE {

invokeId   InvokeId,

problem   CHOICE {

  general   [0] IMPLICIT GeneralProblem,

  invoke   [1] IMPLICIT InvokeProblem,

  returnResult [2] IMPLICIT ReturnResultProblem,

  returnError [3] IMPLICIT ReturnErrorProblem } }

4)   Correction of the defects reported in defect report 350

In 9.1 in the **IdmReject** *PDU type, add three new reason codes*

  unsupportedIdmVersion   (11),

  unsuitableIdmVersion   (12)

  invalidIdmVersion   (13)

In 9.4, add at the end

An **unsupportedIdmVersion** reason code shall be returned if an unknown version is specified in the TCP/IP mapping format (see 9.6). The **invokeID** component shall take the **absent** choice.

An **unsuitableIdmVersion** reason code shall be returned if the DSA receives an IdmBind request using a mapping format different from that used in already established application-associations and the DSA chooses not to engage in a different type of communication. The **invokeID** component shall take the **absent** choice.

An **invalidIdmVersion** reason code shall be returned if a version number is different from the one specified when the **IdmBind** request was processed and accepted.

In 9.6, delete the NOTE and add in its place:

The version number shall be the same for all IDM-PDUs within an application-association. If a request or response is received violating this rule, the receiver shall return an **IdmReject** with reason code **invalidIdmVersion**. This reject shall be transferred using the version agreed for the application-association.

If the version field indicates an unsupported version, the receiving DSA shall return an **IdmReject** with reason code **unsupportedIdmVersion**. This reject shall be transferred using a version 1 format.

An implementation shall support the version 1 format in the response to an **IdmBind**.

A DSA may also reject an **IdmBind** if existing application-associations are using a version different from the one suggested in the format suggested by the **IdmBind**. In this case, an **IdmReject** with reason code **unsuitableIdmVersion** shall be returned. This reject shall be transferred using the same version as used for the request.

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