Information technology — Open Systems Interconnection — The Directory: Protocol specifications

TECHNICAL CORRIGENDUM 1

Technologies de l'information — Interconnexion de systèmes ouverts (OSI) — L’annuaire: Spécifications du protocole

RECTIFICATIF TECHNIQUE 1

Withdrawn
1) Correction of the defects reported in defect report 337

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 replaced with IdmBindResult PDU.
- bindError PDU to be replaced with IdmBindError PDU.
- request PDU to be replaced with Request PDU.
- result PDU to be replaced with IdmResult PDU.
- error PDU to be replaced 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 339

Replace in 10.2 and Annex E directoryBind with dSABind:

```plaintext
dsp-ip IDM-PROTOCOL ::= {
  BIND-OPERATION directorySABind
  OPERATIONS { chainedRead | chainedCompare | chainedAbandon
               chainedList | chainedSearch
               chainedAddEntry | chainedRemoveEntry
               chainedModifyEntry | chainedModifyDN }
  ID id-idm-dsp }
```

Replace in 10.3 and Annex E directoryBind with dSAShadowBind:

```plaintext
disp-ip IDM-PROTOCOL ::= {
  BIND-OPERATION directorySAShadowBind
  OPERATIONS { requestShadowUpdate
               updateShadow
               coordinateShadowUpdate }
  ID id-idm-disp }
```

Replace in 10.4 and Annex E directoryBind with dSAOperationalBindingManagementBind:

```plaintext
dop-ip IDM-PROTOCOL ::= {
  BIND-OPERATION directorySAOperationalBindingManagementBind
  OPERATIONS { establishOperationalBinding
               modifyOperationalBinding
               terminateOperationalBinding}
  ID id-idm-dop }
```
Update in Annex E the IMPORTS clause as follows:

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

FROM UsefulDefinitions {joint-iso-itu-t ds(5) module(1) usefulDefinitions(0) 6}

establishOperationalBinding, modifyOperationalBinding, terminateOperationalBinding, dSAOperationalBindingManagementBind
FROM OperationalBindingManagement opBindingManagement

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

chainedAbandon, chainedAddEntry, chainedCompare, chainedList, chainedModifyDN, chainedModifyEntry, chainedRead, chainedRemoveEntry, chainedSearch, dSABind
FROM DistributedOperations distributedOperations

-- from ITU-T Rec. X.525 | ISO/IEC 9594-9

coordinateShadowUpdate, requestShadowUpdate, updateShadow, dSAShadowBind
FROM DirectoryShadowAbstractService directoryShadowAbstractService;
```

3) Correction of the defects reported in defect report 347

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

```plaintext
OsiRej ::= [4] IMPLICIT SEQUENCE {
    invokeId            InvokeId,
    problem             CHOICE {
        general      [0]  GeneralProblem,
        invoke       [1]  InvokeProblem,
        returnResult [2]  ReturnResultProblem,
}
```

with:

```plaintext
OsiRej ::= [4] IMPLICIT SEQUENCE {
    invokeId            InvokeId,
    problem             CHOICE {
        general      [0]  IMPLICIT GeneralProblem,
        invoke       [1]  IMPLICIT InvokeProblem,
        returnResult [2]  IMPLICIT ReturnResultProblem,
}
```

4) Correction of the defects reported in defect report 350

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

```plaintext
mistypedParameterError  (10),
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 the one used for the request.