



**INTERNATIONAL STANDARD ISO/IEC 9594-5:2008**  
**TECHNICAL CORRIGENDUM 1**

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# 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*

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INTERNATIONAL STANDARD  
RECOMMENDATION ITU-TInformation technology – Open Systems Interconnection –  
The Directory: Protocol specifications

## Technical Corrigendum 1

*(covering resolution to defect reports 337, 339, 347 and 350)***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:*

```

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:*

```

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:*

```

dop-ip IDM-PROTOCOL ::= {
  BIND-OPERATION      directorySAOperationalBindingManagementBind
  OPERATIONS          { establishOperationalBinding
                        | modifyOperationalBinding
                        | terminateOperationalBinding}
  ID                  id-idm-dop }

```

Update in Annex E the **IMPORTS** clause as follows:

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

```
directoryAbstractService, distributedOperations, directoryShadowAbstractService,
id-idm, idMProtocolSpecification, opBindingManagement
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**:

```
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:

```
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.