Information technology — Text and office systems — Document Printing Application (DPA) —

Part 1:
Abstract service definition and procedures

TECHNICAL CORRIGENDUM 2

Technologies de l'information — Bureautique — Application impression de documents (DPA) —

Partie 1: Définition de service abstrait et procédures

RECTIFICATIF TECHNIQUE 2

Technical Corrigendum 2 to International Standard ISO/IEC 10175-1:1996 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 33, *Distributed application services*.

Page 99

Subclause 9.1.5

Add the new subclause:

9.1.5.56   OctetString and OctetStringSyntax

Attribute value types that encode ordered sequences of octets (i.e., 8-bit bytes) employ this generic syntax or data type in their definitions.

```
OctetString  ::= OCTET STRING (SIZE(0..ub-octet-string))

octetStringSyntax ATTRIBUTE-SYNTAX
        OctetString
        MATCHES FOR EQUALITY  SUBSTRINGS
        ::= id-syn-octet-string
```

Page 108

Subclause 9.2.1.12

Insert a new paragraph prior to last paragraph in 9.2.1.12:

If the client specifies the **initial-value-job** attribute with a value of **none** (i.e., id-val-generic-none) the server shall *not* use any initial-value-job object to construct the job object during print-job submission.

Page 129

Subclause 9.2.8.2

Revise the first paragraph of 9.2.8.2 as follows:

This attribute identifies the reason or reasons that the job is in the current state, and may supply additional information about the status of the job. The server shall indicate the particular reason(s) by setting the value of the job-state-reasons attribute. When the job is not in a state for which one of the job-state-reasons applies, the server shall set the value of the job-state-reasons attribute to the empty set.

At the end of the table on page 129, add the following table entries:

cancelled-by-shutdown	id-val-reasons-cancelled-by-shutdown	The job was cancelled because the server shut down before completing the job.
printer-unavailable	id-val-reasons-printer-unavailable	This job was aborted by the system because the printer is currently unable to accept jobs This reason is used in conjunction with the reason aborted-by-system.
wrong-printer	id-val-reasons-wrong-printer	This job was aborted by the system because the printer is unable to handle this particular job. This reason is used in conjunction with the reason aborted-by-system.
bad-job	id-val-reasons-bad-job	This job was aborted by the system because this job has a major problem. This reason is used in conjunction with the reason aborted-by-system.
job-interrupted-by-printer-failure	id-val-reasons-job-interrupted-by-printer-failure	The printer failed while the job was printing. The server is keeping the job in the paused state until an operator can determine what to do with the job.
cascaded	id-val-reasons-cascaded	The server has transmitted all of the job's job and document attributes and data to another server.
deleted-by-administrator	id-val-reasons-deleted-by-administrator	The administrator has deleted the job.
discard-time-arrived	id-val-reasons-discard-time-arrived	The job has been deleted due to the fact that the time specified by the job's job-discard-time attribute has arrived.
pre-processing-failed	id-val-reasons-pre-processing-failed	A pre-processing action failed while preparing the job for processing; the job may or not be progressed to the processing state, depending on the nature of the failure and other job parameters.
post-processing-failed	id-val-reasons-post-processing-failed	A post-processing action failed while trying to log accounting attributes for the job; the job has been placed into the retained state for a system-defined period of time, to enable the administrator to examine it, resubmit it, etc.
submission-interrupted	id-val-reasons-submission-interrupted	The job was not completely submitted for some reason (i.e., the value of the **job-submission-complete** element was **FALSE** in the last print-request received from the client for the job); the possible causes include: (1) the server has crashed before the job was closed by the client, (2) the server or the document transfer method has crashed in some non-recoverable way before the document data was entirely transferred to the server, (3) the client crashed or failed to close the job before the time-out period.

max-job-fault-count-exceeded	id-val-reasons-max-job-fault-count-exceeded	The job has faulted several times and has exceeded the administratively defined fault-count limit.
job-outgoing	id-val-reasons-job-outgoing	The server is transmitting the job to the output device.
device-stopped-partly	id-val-reasons-device-stopped-partly	One or more, but not all, of the devices to which the job is assigned are stopped. If all of the devices are stopped (or the only device is stopped), the device-stopped reason shall be used.
device-stopped	id-val-reasons-device-stopped	The device(s) to which the job is assigned is (are all) stopped.
job-interpreting	id-val-reasons-job-interpreting	The device to which the job is assigned is interpreting the document data.
job-printing	id-val-reasons-job-printing	The output device to which the job is assigned is marking media. This attribute is useful for servers and output devices which spend a great deal of time processing (1) when no marking is happening and then want to show that marking is now happening or (2) when the job is in the process of being cancelled or aborted while the job remains in the processing state, but the marking has not yet stopped so that impression or sheet counts are still increasing for the job.
service-offLine	id-val-reasons-service-offLine	The service or document transform is off-line and accepting no jobs. All pending jobs are put into the Held state. This situation could occur if the service's or document transform's input is impaired or broken.
job-canceled-at-device	id-val-reasons-job-canceled-at-device	The job was cancelled by an unidentified local user, i.e., a user at a console at the device.
job-resubmitted-by-user	id-val-reasons-job-resubmitted-by-use	The job was resubmitted at the request of the user.
job-resubmitted-by-operator	id-val-reasons- job-resubmitted-by-operator	The job was resubmitted at the request of the user, possibly in the process of moving a queue of jobs.
job-resubmission-completed	id-val-reasons- job-resubmission-completed	The job has been completely resubmitted; note that execution of the new job instance may not have finished yet.

Page 167

Subclause 9.3.2.24

Insert a new paragraph at end of 9.3.2.24:

If the client specifies the **initial-value-document** attribute with a value of **none** (i.e., id-val-generic-none) the server shall *not* use any initial-value-document object to construct the document object during print-job submission.

Page 180

Subclause 9.3.5

At the bottom of page 180, add the new subclause 9.3.5.6:

9.3.5.6   Document-state-message

Attribute values of this type shall contain human readable text information about a document's state. This message be used primarily when a document has been completed with errors or has been aborted.

```
document-state-message ATTRIBUTE
    WITH ATTRIBUTE-SYNTAX errorMessageSyntax
    SINGLE VALUE
    ::= id-att-document-state-message
```

Page 219

Subclause 9.6.1

On page 219, at the end of 9.6.1, add the following text and table:

The following standard values are defined for postcard media:

jp-100x148-postcard	id-val-medium-jp-100x148-postcard	Specifies the Hagaki postcard medium
jp-148x200-postcard	id-val-medium-jp-148x200-postcard	Specifies the Oufuku-Hagaki postcard medium

Page 220

Subclause 9.6.4

On page 220, replace the last four rows of the table with the following:

tab-stock	id-val-medium-type-tab-stock	Media with tabs
multi-part-form	id-val-medium-type-multi-part-form	Form medium composed of multiple layers not pre-attached to one another; each sheet may be drawn separately from an input source
labels	id-val-medium-type-labels	Label-stock
multi-layer	id-val-medium-type-multi-layer	Form medium composed of multiple layers which are pre-attached to one another, e.g. for use with impact printers
drilled	id-val-medium-type-drilled	Media that is pre-drilled
coated	id-val-medium-type-coated	Media having a special coating
preprinted	id-val-medium-type-preprinted	Media that has printing on it prior to being loaded into the printer
recycled	id-val-medium-type-recycled	Media that has been manufactured using recycled material
cover	id-val-medium-type-cover-stock	Heavy-weight media intended for use as document covers
postcard	id-val-medium-type-postcard	Heavy-weight media intended for use as postal cards

Page 223

Subclause 9.6.5

On page 223, at the end of 9.6.5, add the following table:

jp-100x148-postcard	id-val-medium-size-jp-100x148-postcard	Specifies the Hagaki postcard size: 100mm x 148mm
jp-148x200-postcard	id-val-medium-size-jp-148x200-postcard	Specifies the Oufuku-Hagaki postcard size: 148mm x 200mm

4

Page 224

Subclause 9.6.7

On page 224 add the following five lines to the end of the table at the top of the page:

ivory	id-val-medium-colour-ivory	Ivory colour
beige	id-val-medium-colour-beige	beige colour
red	id-val-medium-colour-red	red colour
grey	id-val-medium-colour-grey	grey colour
orange	id-val-medium-colour-orange	orange colour

Page 283

Annex A

*Following the line "id-syn-name-or-oid-sequence", assign an OID value for **octetStringSyntax**:*

```
id-syn-octet-string          ID ::=  { id-syn  163 }
```

Page 288

At the end of the list headed "-- document-status --", assign the OID value to the new attribute:
```
id-att-document-state-message          ID ::=  { id-oc-document 22 }
```

Page 301

*Following the entry for **id-val-reasons-logfile-transferring**, assign OID values to the new attribute values:*
```
id-val-reasons-cancelled-by-shutdown     ID ::=  { id-vc-reasons 13 }
id-val-reasons-printer-unavailable       ID ::=  { id-vc-reasons 14 }
id-val-reasons-wrong-printer             ID ::=  { id-vc-reasons 15 }
id-val-reasons-bad-job                   ID ::=  { id-vc-reasons 16 }
id-val-reasons-job-interrupted-by-printer-failure
                                         ID ::=  { id-vc-reasons 17 }
id-val-reasons-cascaded                  ID ::=  { id-vc-reasons 18 }
id-val-reasons-deleted-by-administrator  ID ::=  { id-vc-reasons 19 }
id-val-reasons-discard-time-arrived      ID ::=  { id-vc-reasons 21 }
id-val-reasons-pre-processing-failed     ID ::=  { id-vc-reasons 22 }
id-val-reasons-post-processing-failed    ID ::=  { id-vc-reasons 23 }
id-val-reasons-submission-interrupted    ID ::=  { id-vc-reasons 24 }
id-val-reasons-max-job-fault-count-exceeded ID ::=  { id-vc-reasons 25 }
id-val-reasons-job-outgoing              ID ::=  { id-vc-reasons 26 }
id-val-reasons-device-stopped-partly     ID ::=  { id-vc-reasons 27 }
id-val-reasons-device-stopped            ID ::=  { id-vc-reasons 28 }
id-val-reasons-job-interpreting          ID ::=  { id-vc-reasons 29 }
id-val-reasons-job-printing              ID ::=  { id-vc-reasons 30 }
id-val-reasons-service-offLine           ID ::=  { id-vc-reasons 31 }
id-val-reasons-job-canceled-at-device    ID ::=  { id-vc-reasons 32 }
id-val-reasons-job-resubmitted-by-user   ID ::=  { id-vc-reasons 33 }
id-val-reasons-job-resubmitted-by-operator ID ::=  { id-vc-reasons 34 }
id-val-reasons-job-resubmission-completed ID ::=  { id-vc-reasons 35 }
```

Page 305

Revise the five lines on page 305 at the bottom to read:
```
id-val-medium-executive-white            ID ::=  { id-vc-medium 170 }
id-val-medium-folio-white                ID ::=  { id-vc-medium 171 }
id-val-medium-invoice-white              ID ::=  { id-vc-medium 172 }
id-val-medium-ledger-white               ID ::=  { id-vc-medium 173 }
id-val-medium-quarto-white               ID ::=  { id-vc-medium 174 }
```