| | | | |
|---|---|---|---|
| | | Landscape: | Landscape (ISO A4)<br>x _ 14030 BMU<br>y _ 9920 BMU<br><br>Portrait (NAL)<br>x _ 10200 BMU<br>y _ 13200 BMU<br>Landscape (NAL)<br>x _ 13200 BMU<br>y _ 10200 BMU<br><br>Portrait (ISO A3)<br>x _ 14030 BMU<br>y _ 19840 BMU<br>Landscape (ISO A3)<br>x _ 19840 BMU<br>y _ 14030 BMU |
| | | x _ 12400 BMU<br>y _ 9240 BMU | |
| Logical source | any | | none |
| Page position | any | | none |
| Medium type | | | |
| nominal page size | ISO A4 NAL | | ISO A3 |
| (see § 6.3.3.2.3) | | | |
| side of sheet | 'recto , 'verso', 'unspecified' | | |
| | none | | |

| | | | | | |
|---|---|---|---|---|---|
| User readable comments | NM/D | NM/D | NM/D | NM/D | --/D |
| Application comments | --- | --- | --- | --- | --- |
| User visible name | NM/NM | NM/NM | NM/NM | NM/NM | --/NM |
| Bindings | NM/- | NM/- | NM/- | --- | --- |
| Default value list | --- | --- | --- | --- | --- |
| | | | | | |
| Layout attributes | | | | | |
| Position (Note 2) | --- | --- | --- | NM/D | --/M |
| Dimension (Note 2) | --- | --- | NM/D | NM/D | --/D |
| Layout texture | --- | --- | --- | --- | --- |
| Border | --- | --- | --- | --- | --- |
| Balance | --- | --- | --- | --- | --- |
| Layout path | --- | --- | --- | --/D | --- |
| Logical source (Note 1) | --- | --- | --- | M/-- | --- |
| Permitted categories | --- | --- | --- | --- | --- |
| Imaging order | --- | --- | --- | --- | --- |
| Page position | --- | --- | NM/D | --- | --- |
| Medium type | --- | --- | M/D | --- | --- |

FIGURE 8/T.502

**Example of a particular generic layout structure**

FIGURE 9/T.502

**Illustration of the possible page set classes**

6.3.1.2The 'partial' generic layout structure

The 'partial' generic layout structure may consist of the following object classes:

–the document layout root class;

–page set classes;

–page classes;

–frame classes.

All these classes are optional; each type of class may occur one or more times within a particular document, except the document layout root class, which may only occur one. The document layout root, each page set class and each page class may or may not reference other object classes in the 'partial' generic layout structure by means of the attribute "generator for subordinates".

### 6.3.1The generic layout structures

A 'complete' and a 'partial' generic layout structure are defined in this document application profile. The 'complete' generic layout structure is present in processable and formatted processable documents and defines all possible specific layout structures that may be created as a result of the document layout process.

The 'partial' generic layout structure may only be used in formatted form documents. It is used only to provide predefined attribute values and content portions for layout objects in the specific layout structure (i.e. factorization).

#### 6.3.1.1The 'complete' generic layout structure

A general description of the permissible document layout structure is given in § 5.3.1. In order to represent these structures, the generic layout structure consists of four hierarchical levels, each of which must always be present:

- the document layout root;
- the page set level (one level only);
- the page level;
- the frame level (one level only).

The document layout root consists of one or more subordinate page sets, where the number of page sets is unrestricted. Each page set may consist of a sequence of one or more subordinate pages in accordance with the specification given in § 5.3.1.

Each of these pages may contain one, two or three subordinate frames that are used to represent the header, body and footer area as described in § 5.3.2. The body area frame is mandatory, whereas the header and footer frames are optional. These frames any or may not be adjacent to one another but they must not overlap.

The layout path is always 270 degrees for each frame and it is not possible to alter this value. The attribute "medium type" specifies the size of the nominal page corresponding to each layout object of the type page and specifies whether the nominal page is to be in portrait or landscape orientation.

Content in the specific logical structure is laid out in the body frames; this content cannot be laid out in the header or footer frames. The header and footer frames, if present, must contain the attribute "logical source" which indicates the appropriate generic logical object class that contains the content to be laid out in those frames.

The 'complete' generic layout structure may vary in accordance with the layout

Table 8/T.502 specifies attribute values allowed in layout style.

TABLE 8/T.502

**Values allowed for layout style attributes**

| Attribute | Basic value | Non-basic value | Default value |
|---|---|---|---|
| Layout style identifier | any | none | - |
| User readable comments | any | none | - |
| User visible name | any | none | - |
| Concatenation | non-concatenated, concatenated | none | non-concatenated |
| Indivisibility | the object type 'page' or 'null' | none | 'null' |
| Layout object class | the identifier of a page set class | none | - |
| New layout object | the identifier of a layout object class, the object type 'page' or 'null' | none | 'null' |
| Offset | | | |
| leading offset | any | none | 0 BMU |
| trailing offset | any | none | 0 BMU |
| right offset | any | none | 0 BMU |
| left offset | any | none | 0 BMU |
| Same layout object | | | |
| first parameter | an expression (see § 6.2.4.2.1) or 'null' | none | 'null' |
| second parameter | the object type 'page' or 'null' | | as defined in Rec. T.412 |
| Separation | | | |
| leading edge | any | none | 0 BMU |

**Layout style attributes applicable to the "body" part of the specific logical structure**

| Attribute | Composite logical object | Basic logical object |
|---|---|---|
| Layout style identifier | O | O |
| User readable comments | X | X |
| User visible name | X | X |
| Concatenation | - | - |
| Indivisibility | X | X |
| Layout object class | O | - |
| New layout object | - | X |
| Offset | | |
| - leading offset | - | X |
| - trailing offset | - | X |
| - left-hand offset | - | X |
| - right-hand offset | - | X |
| Same layout object | | |
| - first parameter | - | X |
| - second parameter | - | X |
| Separation | | |
| - leading edge | - | X |
| - trailing edge | - | X |
| - centre separation | | |

Table 7/T.502 defines the layout style attributes applicable to the "header and footer" part of the generic logical structure.

TABLE 7/T.502

**Layout style attributes applicable to the "header and footer" part of the generic logical structure**

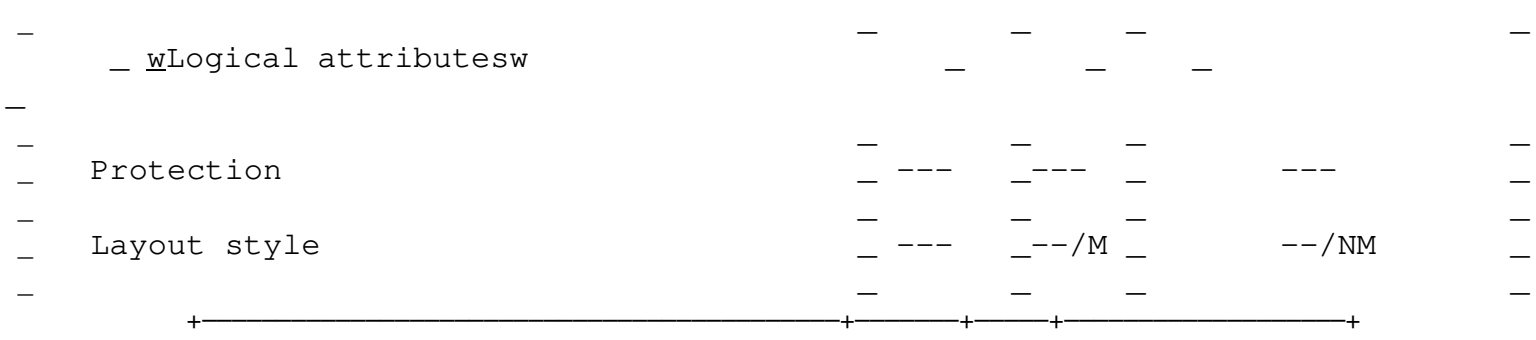
| Attribute | Composite logical component | Basic logical component |
|---|---|---|
| Layout style identifier | - | O |
| User readable comments | - | X |
| User visible name | - | X |
| Concatenation | - | X |
| Indivisibility | - | - |

Table 5/T.502 specifies the attribute values allowed in logical object descriptions.

| | | |
|---|---|---|
| Presentation style | any (see § 6.4.4.2) | none |
| Content architecture class | 'processable', 'formatted processable' | none |
| Layout style | any (see § 6.2.4) | none |

| | | |
|---|---|---|
| Protection | -- | -- |
| Layout style | -- | NM |
| Layout directives | -- | -- |

Note - Each basic logical object class in the "header and footer" part must reference a generic content portion or contain the attribute "content generator".


wLogical attributesw
Protection
---
---
Layout style
---
--/M
--/NM