

DEFECT REPORT FORM

1. Defect Report Number: **270**

Title: Data types in attribute syntaxes and matching rule assertion syntaxes

2. Source: CEN/ISSS/WS-DIR

3. Addressed to: ISO/IEC JTC1/SC6 and ITU-T SG 7
Editor Group on the Directory

4. (a) WG Secretariat: UK (BSI)
(b) ITU-T WP: WP 4

5. Date Circulated by WG Secretariat:

6. Deadline for Response from Editor:

7. Defect Report Concerning:

ITU-T Rec. X.520 (1997) | ISO/IEC 9594-6 : 1998

ITU-T Rec. X.520 (2001) | ISO/IEC 9594-6 : 2001

8. Qualifier: (e.g.: error, omission, clarification required)
Optimization.

9. References in Document: (e.g.: page, clause/section, figure, and/or table numbers)

5.8.1

6.1.1

6.1.10

6.5.3.1

10. Nature of Defect: (complete, concise explanation of the perceived problem)

The **DirectoryString** type matching rules should be more general useable.

It is most convenient to be able to simply quote an ASN.1 type name as the attribute syntax in an **AttributeTypeDescription**, or the assertion syntax in a **MatchingRuleDescription**.

11. Solution Proposed by the Source: (optional)

In 6.1.1 and other subclauses that specify DirectoryString as assertion syntax, add the following:

The matching rule can also be used for attribute values of a type that explicitly specifies one of the **DirectoryString** choices as its syntax.

In 5.8.1, replace **caselgnoreListMatch** matching rule with:

```
preferredDeliveryMethod ATTRIBUTE ::= {
    WITH SYNTAX      PreferredDeliveryMethod
    SINGLE VALUE     TRUE
    ID               id-at-preferredDeliveryMethod }
```

```
PreferredDeliveryMethod ::= SEQUENCE OF INTEGER {
    any-delivery-method (0),
    mhs-delivery        (1),
    physical-delivery   (2),
    telex-delivery      (3),
    teletex-delivery    (4),
    g3-facsimile-delivery (5),
    g4-facsimile-delivery (6),
    ia5-terminal-delivery (7),
    videotex-delivery   (8),
    telephone-delivery  (9) }
```

In 6.1.10, replace **caselgnoreListMatch** matching rule with:

```
caselgnoreListMatch MATCHING-RULE ::= {
    SYNTAX CaselgnoreList
    ID     id-mr-caselgnoreListMatch }
```

```
CaselgnoreList ::= SEQUENCE OF DirectoryString {ub-match}
```

In 6.5.3.1 of edition 4, replace **sequenceMatchType**, **wordMatchTypes** and **characterMatchTypes** with:

```
sequenceMatchType ATTRIBUTE ::= {
    WITH SYNTAX      SequenceMatchType
    SINGLE VALUE     TRUE
    ID               id-cat-sequenceMatchType } -- defaulting to sequenceExact
```

```
SequenceMatchType ::= ENUMERATED {
    sequenceExact (0),
    sequenceDeletion (1),
    sequenceRestrictedDeletion (2),
    sequencePermutation (3),
    sequencePermutationAndDeletion (4),
    sequenceProviderDefined (5) }
```

```
wordMatchTypes ATTRIBUTE ::= {
    WITH SYNTAX      WordMatchTypes
    SINGLE VALUE     TRUE
    ID               id-cat-wordMatchType } -- defaulting to wordExact
```

```
WordMatchTypes ::= ENUMERATED {
    wordExact (0),
    wordTruncated (1),
    wordPhonetic (2),
    wordProviderDefined (3) }
```

```
characterMatchTypes ATTRIBUTE ::= {
    WITH SYNTAX      CharacterMatchTypes
    SINGLE VALUE     TRUE
    ID               id-cat-characterMatchTypes }
```

```
CharacterMatchTypes ::= ENUMERATED {
    characterExact (0),
    characterCaselgnore (1),
    characterMapped (2) }
```

on the IS or DIS final text/ITU Recommendation or Draft Recommendation is attached separately to this completed report).