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Recommendation X.208

SPECIFICATION OF ABSTRACT SYNTAX NOTATION ONE (ASN.1)¹

1 Recommendation X.208 and ISO 8824, Information processing systems - Open systems interconnection - Specification of abstract syntax notation one (ASN.1), as extended by Addendum 1 to ISO 8824, were developed in close cooperation and are technically aligned.

general utility, but which require no additional encoding rules.

Section four of this Recommendation defines a notation which enables subtypes to be defined from the values of a parent type.

(see also ISO 7498)

9.4 Module names should be used only once (except as specified in § 9.10) within the sphere of interest of the definition of module.

symbols are to be imported from two modules with the same name (the modules being named in disregard of clause 9.4). The use of alternative distinct names makes these names available for use in the body of the module (see § 9.8)

27.4 When the "NamedType" is an integer or enumerated type, or of a type derived from those types by tagging or subtyping the document employing the "DEFINED BY" notation shall contain, or explicitly reference, a single list which specifies the ASN.1 type to be carried by the ANY for each permitted value of the integer type. There shall be precisely one such list in all instances of communication of the containing type.

27.5 When the "NamedType" is an object identifier type, or a type derived from object identifier by tagging, there is a

need for registers which, for each allocated object identifier value, associate a single ASN.1 type (which may be a CHOICE type) which is to be carried by the ANY.

Note - It is intended that one macro definition be permitted to reference (i.e., use) other macros. Ensuring that the notation permits this is **for further study**.