Specification of info:sid/ Namespace [Non Normative]

The `info:sid/` namespace facilitates the identification of collections of information assets. A collection of information assets could be an organization, a website, a publisher, or a database.

Identifiers in the `info:sid/` namespace consist of two parts. The first part is an Internet domain name, subdomain name, or host name that is associated with the collection. This ensures uniqueness of identifiers. The second, optional, part of an identifier of the `info:sid/` namespace is a string that may provide further details about the nature of the collection.

The syntax for identifiers in the `info:sid/` namespace complies to the scheme defined in Table F.1. This syntax is a restriction of the "general, absolute URI" syntax: <scheme>:<scheme-specific-part>, defined in RFC 2396. The syntax description in Table F.1 uses the same notational conventions as RFC 2396 and the same definitions of "digit", "alpha", "alphanum", "reserved", "unreserved", and "uric".

Table F.1 Syntax description for Identifiers of the `info:sid/` namespace

```
sid-identifier = namespace "/" DNS-identifier ( ":" collection-
string )?

namespace = "info:sid"

DNS-identifier =  *( domainlabel "." ) toplabel [ "." ]

domainlabel   = alphanum | alphanum *( alphanum | "-" ) alphanum

toplabel      = alpha | alpha *( alphanum | "-" ) alphanum

collection-string = uric uric*
```

`DNS-identifier` is a case-insensitive Internet domain, subdomain, or hostname associated with the collection. Examples of possible identifiers of the `info:sid/` namespace that only use the `DNS-identifier` part are info:sid/cnn.com, info:sid/ads.harvard.edu, info:sid/oclc.org, or info:sid/amazon.co.uk. A `DNS-identifier` **should** be chosen so that it **may** be resolved by the DNS system. The `collection-string` is an optional case-sensitive string that provides further details about the nature of the collection. For example, it may denote a particular database among many offerings of an information provider. Examples of possible identifiers of the `info:sid/` namespace that use both the `DNS-identifier` and the `collection-string` part are info:sid/oclc.org:inspec, info:sid/amazon.co.uk:books.

Any `uric` elements are permitted in the `collection-string`. Since characters in the reserved set do not have any special meaning in the `collection-string` component, they **may** be unescaped. All characters not included in the unreserved and reserved sets **must** be escaped. Characters in the unreserved and reserved sets **must not** be escaped.