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URN Namespace for ETSI Documents

Abstract

This document describes the Namespace Identifier (NID) "etsi" for Uniform Resource Names (URNs) used to identify resources published by the European Telecommunications Standards Institute (<http://etsi.org>). ETSI specifies and manages resources that utilize this URN identification model. Management activities for these and other resource types are handled by the manager of the ETSI Protocol Naming and Numbering Service (PNNS).

Status of This Memo

This document is not an Internet Standards Track specification; it is published for informational purposes.

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Information about the current status of this document, any errata, and how to provide feedback on it may be obtained at <https://www.rfc-editor.org/info/rfc8515>.

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1. Introduction

ETSI is a nonprofit international industry standards organization that produces globally acceptable standards for information and communication technologies including fixed, mobile, radio, broadcast, internet, aeronautical, and other areas.

As part of these efforts, there is a need to specify identifiers in a managed namespace that are unique and persistent. To ensure that this namespace's uniqueness is absolute, the registration of a specific Uniform Resource Name (URN) [RFC8141] Namespace Identifier (NID) for use by ETSI is specified in this document, in full conformance with the NID registration process specified in [RFC8141].

1.1. Terminology

Acronym	Meaning
ETSI	European Telecommunications Standards Institute
EUN	ETSI URN Namespace
NID	Namespace Identifier
NSS	Namespace Specific String
PNNS	Protocol Naming and Numbering Service
URI	Uniform Resource Identifier
URN	Uniform Resource Name

2. URN Specification for ETSI

Namespace Identifier:

etsi

Version:

1

Date:

2018-10-22

Registrant:

ETSI Protocol Naming and Numbering Service (PNNS)
European Telecommunications Standards Institute (ETSI)
650, Route des Lucioles
Sophia Antipolis 06560
France
Email: pnns@etsi.org

Purpose:

The Namespace Identifier (NID) "etsi" for Uniform Resource Names (URNs) will be used to identify resources published by ETSI. These might include published standards or protocols that ETSI defines and that make use of URNs. These namespaces are globally unique. The URN namespace will be used in public networks by clients to configure and manage resources in the network. Servers will enforce the uniqueness of the namespaces by using the namespace and the XPath associated with the managed node in the network when accessing a resource.

Syntax:

The syntax of Namespace Specific Strings for the "etsi" namespace is <NSS> in Uniform Resource Names (URNs) [RFC8141].

The entire URN is case-insensitive.

Assignment:

ETSI will maintain the list of registered subtrees that use the "etsi" NID in the "ETSI URN Namespace" registry at <https://portal.etsi.org/PNNS/GenericAllocation/ETSIURNNamespace.aspx>. The registry describes the <NSS>, how namespaces will be allocated, and how experimental namespaces can be used within the allocated URN.

ETSI will manage resource classes using the "etsi" NID and will be the authority for managing resources and associated subsequent strings. ETSI will guarantee the uniqueness of the strings by validating them against the existing content of the registry. ETSI may also permit secondary responsibility for certain defined resources. Once a subtree assignment is made, it cannot be deleted or reassigned.

ETSI may allow use of experimental type values in specific subtrees for testing purposes only. Note that using experimental types may create collision as multiple users may use the same values for different resources and specific strings. All experimentation must follow the guidance set forth in "A Uniform Resource Name (URN) Namespace for Examples" [RFC6963].

Security and Privacy:

See Section 4 of RFC 8515.

Interoperability:

There are no known interoperability issues at this time.

Resolution:

It is not foreseen that URNs within this namespace will undergo resolution.

Documentation:

Documentation can be found at <https://portal.etsi.org/PNNS/GenericAllocation/ETSIURNNamespace.aspx>.

3. Examples

The following are examples of URNs that ETSI is looking to assign:

urn:etsi:yang:etsi-nfv

urn:etsi:yang:etsi-nfv-vnf

urn:etsi:yang:etsi-nfv-pnf

Although all of these examples are related to network management with YANG [RFC7950], URNs related to other kinds of resources might be assigned in the future, in which case a "sub-identifier" other than "yang" might be created.

4. Security Considerations

There are no additional security considerations apart from what are normally associated with the use and resolution of URNs in general, which are described in "Functional Requirements for Uniform Resource Names" [RFC1737] and "Uniform Resource Names (URNs)" [RFC8141].

5. IANA Considerations

IANA has registered "etsi" in the "Formal URN Namespaces" registry using the template in Section 2.

6. References

6.1. Normative References

[RFC1737] Sollins, K. and L. Masinter, "Functional Requirements for Uniform Resource Names", RFC 1737, DOI 10.17487/RFC1737, December 1994, <<https://www.rfc-editor.org/info/rfc1737>>.

[RFC6963] Saint-Andre, P., "A Uniform Resource Name (URN) Namespace for Examples", BCP 183, RFC 6963, DOI 10.17487/RFC6963, May 2013, <<https://www.rfc-editor.org/info/rfc6963>>.

[RFC8141] Saint-Andre, P. and J. Klensin, "Uniform Resource Names (URNs)", RFC 8141, DOI 10.17487/RFC8141, April 2017, <<https://www.rfc-editor.org/info/rfc8141>>.

6.2. Informative References

[RFC7950] Bjorklund, M., Ed., "The YANG 1.1 Data Modeling Language", RFC 7950, DOI 10.17487/RFC7950, August 2016, <<https://www.rfc-editor.org/info/rfc7950>>.

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