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Policy for defining new service-identifying labels  
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## Abstract

In order to provide location-based services, descriptive terms for services need to be defined. This document updates the policy for defining new service-identifying labels.

## Status of this Memo

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## [1.](#) Introduction

Nowadays location-based services are widespread. Devices can detect a user location and retrieve all available services in the surroundings of that location. A particular service can be described by one or multiple terms such as "restaurant", "parking" and "ATM machine". All such terms, however, need to be formally defined so that a registry can be built and used to assure consistency and compatibility between devices and between service providers. Since descriptive terms for services are almost unbounded, such registry would contain the most common terms. In this document we update the policy for defining new terms, that is new service-identifying labels.

## [2.](#) Requirements notation

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in [[RFC2119](#)].

## [3.](#) Namespace Guidelines

[NOTE: Have we agreed on this approach that is, do we allow private namespaces?]

Whereas one entity applies for the registration of several new top-level services which are of no interest to the general public, the expert reviewer SHOULD consider the creation of an ad-hoc private namespace (e.g., urn:nena [[RFC6061](#)]) under which such entity would be free to define its own set of services and service labels.

On the other hand, if the new top-level services are of interest to the general public or there is just one single top-level service to be registered, the expert reviewer SHOULD decide for registration in the public namespace domain (i.e., urn:service).

Namespaces MAY, at their discretion, use discovery mechanisms other

than the one described in [[RFC5222](#)].

#### [4.](#) Guidelines for the creation of new top-level services

[NOTE: Should this section apply only to the public namespace domain? Do we want to give some general guidelines for private namespaces as well?]

The number of services that can be defined is very large. New services, however, SHOULD at least satisfy the following guidelines.

- The service MUST NOT overlap with any other service previously registered;

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- The service has to be of general interest;
- It should not be specific to a particular country or region;
- The language in which the new service is defined MUST be English (this is a protocol token, not meant to be shown to humans);
- The newly defined services SHOULD correspond to a standard statistical classification of enterprises or services, such as the North American Industry Classification System (NAICS) and the International Standard Industrial Classification of All Economic Activities (ISIC).

#### [5.](#) IANA Considerations

This document updates [Section 4.1 of \[RFC5031\]](#) in that the policy for adding top-level service labels is "Expert Review". The expert is designated by the RAI Area Director.

[NOTE: Add requirement for external non-IETF document or template here?]

#### [6.](#) Security Considerations

This document does not raise security issues.

#### [7.](#) References

[RFC2119] Bradner, S., "Key words for use in RFCs to Indicate

Requirement Levels", [BCP 14](#), [RFC 2119](#), March 1997.

[RFC5031] Schulzrinne, H., "A Uniform Resource Name (URN) for Emergency and Other Well-Known Services", [RFC 5031](#), January 2008.

[RFC5222] Hardie, T., Newton, A., Schulzrinne, H. and H. Tschofenig, "LoST: A Location-to-Service Translation Protocol", [RFC 5222](#), August 2008.

[RFC6061] Rosen, B., "Uniform Resource Name (URN) Namespace for the National Emergency Number Association (NENA)", [RFC 6061](#), January 2011.

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