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**URN For Country Specific Emergency Services**  
**draft-ietf-ecrit-country-emg-urn-01.txt**

Abstract

This document updates [section 4.2 of RFC 5031](#), in order to allow the registration of service URNs with the 'sos' service type for emergency services that, at the time of registration, are offered in one country only.

Status of This Memo

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[1.](#) Introduction

Table 1 shows the policy for registration of sub-services of the service URN with the 'sos' service type, as defined in [section 4.2. of RFC 5031](#) [[RFC5031](#)].

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The 'sos' service type describes emergency services requiring an	
immediate response, typically offered by various branches of the	
government or other public institutions. Additional sub-services	
can be added after expert review and must be of general public	
interest and have a similar emergency nature. The expert is	
designated by the ECRIT working group, its successor, or, in	
their absence, the IESG. The expert review should only approve	
emergency services that are offered widely and in different	
countries, with approximately the same caller expectation in	
terms of services rendered. The 'sos' service is not meant to	
invoke general government, public information, counseling, or	
social services.	
+-----+	

Table 1: Excerpt from [RFC 5031 section 4.2](#).

Some existing emergency services are, at least initially, offered in one country only. Examples are the "Reporting spies" emergency service offered in South Korea and the "GAULA (anti-kidnapping)" emergency service offered in Colombia according to [http://en.wikipedia.org/wiki/Emergency\\_telephone\\_number](http://en.wikipedia.org/wiki/Emergency_telephone_number). Future emergency service might also initially be introduced in one country only.



The policy for registration of sub-services of the service URN with the 'sos' service type, as defined in [RFC 5031](#) [[RFC5031](#)], prevents the registration of a sub-service of the service URN with the 'sos' service type for a service that, at the time of registration, is offered in one country only.

This document updates [section 4.2 of RFC 5031](#), in order to allow the registration of service URNs with the 'sos' service type for emergency services that, at the time of registration, are offered in one country only.

## **[2.](#) Conventions**

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 [BCP 14](#), [RFC 2119](#) [[RFC2119](#)].

## **[3.](#) Problem statement**

The policy for registration of sub-services of the service URN with the 'sos' service type, as defined in [RFC 5031](#) [[RFC5031](#)], prevents the registration of a sub-service of the service URN with the 'sos' service type for an emergency service that, at the time of registration, is offered in one country only.

## **[4.](#) Requirement**

REQ-1: It MUST be possible to register with IANA a sub-service of the service URN with the 'sos' service type as, defined in [RFC 5031](#) [[RFC5031](#)], for an emergency service offered in one country only.

## **[5.](#) Update to [RFC 5031](#)**

### **[5.1.](#) General**

This section document replaces the text of the [section 4.2](#) (Sub-Services for the 'sos' Service) of [RFC 5031](#) with the text of [section 5.3](#) of this document.

### **[5.2.](#) Original text of [section 4.2 of RFC 5031](#)**

This section defines the first service registration within the IANA registry defined in [Section 4.1](#), using the top-level service label 'sos'.

The 'sos' service type describes emergency services requiring an immediate response, typically offered by various branches of the



government or other public institutions. Additional sub-services can be added after expert review and must be of general public interest and have a similar emergency nature. The expert is designated by the ECRIT working group, its successor, or, in their absence, the IESG. The expert review should only approve emergency services that are offered widely and in different countries, with approximately the same caller expectation in terms of services rendered. The 'sos' service is not meant to invoke general government, public information, counseling, or social services.

urn:service:sos The generic 'sos' service reaches a public safety answering point (PSAP), which in turn dispatches aid appropriate to the emergency. It encompasses all of the services listed below.

urn:service:sos.ambulance This service identifier reaches an ambulance service that provides emergency medical assistance and transportation.

urn:service:sos.animal-control Animal control typically enforces laws and ordinances pertaining to animal control and management, investigates cases of animal abuse, educates the community in responsible pet ownership and wildlife care, and provides for the housing and care of homeless animals, among other animal-related services.

urn:service:sos.fire The 'fire' service identifier summons the fire service, also known as the fire brigade or fire department.

urn:service:sos.gas The 'gas' service allows the reporting of natural gas (and other flammable gas) leaks or other natural gas emergencies.

urn:service:sos.marine The 'marine' service refers to maritime search and rescue services such as those offered by the coast guard, lifeboat, or surf lifesavers.

urn:service:sos.mountain The 'mountain' service refers to mountain rescue services (i.e., search and rescue activities that occur in a mountainous environment), although the term is sometimes also used to apply to search and rescue in other wilderness environments.

urn:service:sos.physician The 'physician' emergency service connects the caller to a physician referral service.

urn:service:sos.poison The 'poison' service refers to special



information centers set up to inform citizens about how to respond to potential poisoning. These poison control centers maintain a database of poisons and appropriate emergency treatment.

urn:service:sos.police The 'police' service refers to the police department or other law enforcement authorities.

### **5.3. New text replacing [section 4.2 of RFC 5031](#)**

This section defines the first service registration within the IANA registry defined in [Section 4.1](#), using the top-level service label 'sos'.

The 'sos' service type describes emergency services requiring an immediate response, typically offered by various branches of the government or other public institutions. Additional sub-services can be added after expert review. The expert is designated by the ECRIT working group, its successor, or, in their absence, the IESG. The expert review should only approve services that have emergency nature, that are offered in at least one country, that do not match description of any existing service URN with the 'sos' service type, and where the service description and the URN are defined as broadly as possible to encourage reuse. The 'sos' service is not meant to invoke general government, public information, counseling, or social services.

urn:service:sos The generic 'sos' service reaches a public safety answering point (PSAP), which in turn dispatches aid appropriate to the emergency. It encompasses all of the services listed below.

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urn:service:sos.mountain The 'mountain' service refers to mountain rescue services (i.e., search and rescue activities that occur in a mountainous environment), although the term is sometimes also used to apply to search and rescue in other wilderness environments.

urn:service:sos.physician The 'physician' emergency service connects the caller to a physician referral service.

urn:service:sos.poison The 'poison' service refers to special information centers set up to inform citizens about how to respond to potential poisoning. These poison control centers maintain a database of poisons and appropriate emergency treatment.

urn:service:sos.police The 'police' service refers to the police department or other law enforcement authorities.

## 6. IANA Considerations

This document updates the advice to the expert for the registry of sub-services of the "sos" service. IANA is requested to update the reference for that registry from [RFC 5031](#) to this document.

<http://www.iana.org/assignments/urn-serviceid-labels/urn-serviceid-labels.xhtml#urn-serviceid-labels-1>

## 7. Change Log

[RFC EDITOR NOTE: Please remove this section when publishing]

Changes from [draft-ietf-ecrit-country-emg-urn-00](#)

- o IANA Considerations section updated. Open issue removed.

Changes from [draft-holmberg-ecrit-country-emg-urn-02](#)

- o Minor editorial fixes.



Changes from [draft-holmberg-ecrit-country-emg-urn-01](#)

- o Technical fix: Instead of creating a new sub-tree, the 'sos' registration rules in [RFC 5031](#) are updated, to allow registration of URNs that, at the time of registration, are specific to a single country.

Changes from [draft-holmberg-ecrit-country-emg-urn-00](#)

- o Editorial fix: cannot be not fulfilled -> cannot be fulfilled

## **8. Security Considerations**

TBD

## **9. Normative 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.

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