          **A Subregistry for urn:service:sos.police, fire and ambulance**
                **draft-rosen-ecrit-service-urn-subregistries-01**

Abstract

   In most countries, there are multiple kinds of police forces.
   RFC5031 defines a "Service URN" which is used to route emergency
   calls.  The urn has a sub registry for different kinds of emergency
   services that may be reached from different telephone numbers or
   service numbers (as opposed to a single number like 112).  In many
   countries, the "police" service is not a single service, but more
   than one service where the service area and/or types of emergencies
   they respond to are different.  In some countries there are multiple
   ambulance services.  This document defines sub registries for
   urn:service:sos.police, urn:service:sos.ambulance and, for
   completeness, urn:service:sos.fire.  It also provides an initial set
   of entries for these sub registries.  These services are in addition
   to the base urn:service:sos.police, etc. services.

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## [1](1).  IANA Considerations

## [1.1](1.1).  Police Force Types

   This document extends the urn:service:sos.police to allow the system
   to distinguish law enforcement agencies.  The type of law enforcement
   agency is a token separated from urn:service.sos.police by a period.
   The token names are suggestive of the names for different kinds of
   police forces but is not supposed to be the literal name of the
   force.

   IANA is requested to add a sub registry to the Service URN Labels
   under sos Sub-Services entitled sos.police Sub-Services.  The
   registry should have Service, Description and References as in the
   other sub registries for the service urn.  The Registration Procedure
   is Expert review.  The expert shall use the same criteria as the
   other urn:service:sos entries.  The initial values of the sub
   registry are:

| Service | Reference | Description |
|---|---|---|
| sos.police.national | this document | A police force serving an entire nation |
| sos.police.provincial | this document | A police force serving a province or state |
| sos.police.county | this document | A police force serving a county |
| sos.police.municipal | this document | A police force serving a city, town or other incorporated municipality |
| sos.police.tourist | this document | A police force serving the needs of international tourists |
| sos.police.traffic | this document | A police force ensuring compliance with traffic laws, directing traffic and handling vehicular accidents |

Table 1: urn:service:sos.police sub registry initial contents

## 1.2.  Ambulance Types

This document extends the urn:service:sos.ambulance to allow the system to distinguish ambulance services.  The type of service is a token separated from urn:service.sos.ambulance by a period.  The token names are suggestive of the names for different kinds of ambulance services but is not supposed to be the literal name of the service.

IANA is requested to add a sub registry to the Service URN Labels under sos Sub-Services entitled sos.ambulance Sub-Services.  The registry should have Service, Description and References as in the other sub registries for the service urn.  The Registration Procedure is Expert review.  The expert shall use the same criteria as the other urn:service:sos entries.  The initial values of the sub registry are:

```
+-----------------------+-----------+------------------------------+
| Service               | Reference | Description                  |
+-----------------------+-----------+------------------------------+
| sos.ambulance.public  |      this | An ambulance service that is |
|                       |  document | operated by a government     |
|                       |           | agency                       |
|                       |           |                              |
| sos.ambulance.private |      this | An ambulance service that is |
|                       |  document | operated by a private company|
|                       |           |                              |
| sos.ambulance.air     |      this | An ambulance service that    |
|                       |  document | uses a helicopter or airplane|
+-----------------------+-----------+------------------------------+
```

Table 2: urn:service:sos.ambulance sub registry initial contents

## 1.3.  Fire Types

This document extends the urn:service:sos.fire to allow the type of
fire service.  The type of service is a token separated from
urn:service.sos.fire by a period.  The token names are suggestive of
the names for different kinds of fire services but is not supposed to
be the literal name of the service.

IANA is requested to add a sub registry to the Service URN Labels
under sos Sub-Services entitled sos.fire Sub-Services.  The registry
should have Service, Description and References as in the other sub
registries for the service urn.  The Registration Procedure is Expert
review.  The expert shall use the same criteria as the other
urn:service:sos entries.  The initial values of the sub registry are:

```
+------------------+----------------------------------+-----------+
| Service          | Description                      | Reference |
+------------------+----------------------------------+-----------+
| sos.fire.wildfire| A fire service that specializes  | this      |
|                  | in wild fires, for example,      | document  |
|                  | forest fires                     |           |
+------------------+----------------------------------+-----------+
```

Table 3: urn:service:sos.fire sub registry initial contents

## 1.4.  Additional Services in Counseling

IANA is requested to add the following services in the 'counseling'
Sub-Services registry:

| Service | Reference | Description |
|---------|-----------|-------------|
| counseling.shelter | Provides advice and referrals to callers needing non-emergency medical information. | this document |
| counseling.parents | Provides advice and referrals to parents needing assistance. | this document |
| counseling.women | Provides advice and referrals to women | this document |
| counseling.missing-children | Provides reporting ability and accepts information about missing children. | this document |
| counseling.missing-person | Provides reporting ability and accepts information about missing persons. | this document |
| counseling.crime-victim | Provides advice and referrals to crime victims. | this document |
| counseling.tourists | Provides advice and referrals to tourists. | this document |
| counseling.social-services | Provides advice and referrals to callers needing social services. | this document |
| counseling.shelter | Provides advice and referrals to callers needing shelter. | this document |

Table 4

## 1.5.  Other sos services

IANA is requested to add the following entries to the 'sos' Sub-
Services registry:

| Service | Reference | Description |
|---------|-----------|-------------|
| sos.water | Water main breaks and other water emergencies | this document |
| sos.electric | Emergencies related to utility electric power | this document |
| sos.aeronautical | aeronautical emergencies sos.aeronautical reaches services that handle emergencies related to aircraft, such as plane crashes, rather than air ambulance services. | this document |
| sos.child-protection | Summon help for abused or neglected children | this document |
| sos.disaster | Help during natural and man-made disasters such as storms, earthquakes and floods | this document |
| sos.message | Emergency services reached using message-based communication, e.g., short message service (SMS) or fax. sos.message is only meant to be used in cases where a country has established a separate emergency number to be used for fax, TTY or text messages, e.g., for people who are Deaf or hard-of-hearing. The URN should not be used if text messages can be sent to the general service:sos URN or if real-time text or TTY calls can reach the general service:sos URN | this document |

Table 5

## 1.6.  Government services top level entry

   IANA is requested to add a new entry to the URN Service Labels
   Registry:

```
+------------+--------------------------------------+------------+
| Service    | Reference                            | Description |
+------------+--------------------------------------+------------+
| government | non-emergency services offered by    | this       |
|            | various branches of government       | document   |
+------------+--------------------------------------+------------+
```

                             Table 6

## 1.7.  Government services sub registry

   IANA is requested to create a new 'government Sub-Services' sub
   registry in the URN Service Labels registry.  The 'government'
   service is used for general informational services that provide
   residents access and information about government services relevant
   to their current location.  For example, in the United States and
   Canada, 311 is used for this purpose.

   Additional sub-services can be added after expert review and must be
   of general public interest.  The expert is designated by the ECRIT
   working group, its successor, or, in their absence, the IESG.  The
   expert review should only approve government services that are
   offered widely and in different countries, with approximately the
   same caller expectation in terms of services rendered.

   A new entry must specify the service name, description and a
   reference similar to other Sub Registries in the URN Service Label
   registry.  The initial values in this sub registry are:

```
+--------------------------+------------------------+-------------+
| Service                  | Reference              | Description |
+--------------------------+------------------------+-------------+
| government.police        | Used for non-emergency | this        |
|                          | calls, e.g., to report | document    |
|                          | a crime that took place|             |
|                          | in the past            |             |
|                          |                        |             |
| government.ambulance>    | A non-emergency medical| this        |
|                          | transport service      | document    |
|                          |                        |             |
| government.crime-reports>| A non-emergency medical| this        |
|                          | transport service      | document    |
+--------------------------+------------------------+-------------+
```

                               Table 7

## 2.  Security Considerations

   This document has the same security considerations as those in
   [RFC5031].

## 3.  Acknowledgements

   Ivo Sedlacek described the problem and attempted to register a
   service with a specific police force as distinct from
   urn:service:sos.police.  This work was inspired by his problem.

## 4.  Normative References

   [RFC5031]  Schulzrinne, H., "A Uniform Resource Name (URN) for
              Emergency and Other Well-Known Services", RFC 5031,
              DOI 10.17487/RFC5031, January 2008,
              <https://www.rfc-editor.org/info/rfc5031>.

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