

Service Identifiers

draft-schulzrinne-sipping-service-01

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Motivation

- Need means to designate a logical service
- Domain providing service is not known
- Examples:
 - emergency services
 - “411” (directory assistance), repair, operator, ...
 - 800# services equivalent
- Context-dependent resolution
 - may depend on provider, location, ...

URN structure

- **urn:service:***sname.subsname...*
- **urn:service:***sname* reaches any service of type 'sname'
- Examples:
 - urn:service:sos
 - urn:service:sos.fire
 - urn:service:sos.police
 - urn:service:sos.marine
 - urn:service:sos.mountain
 - urn:service:sos.rescue
 - urn:service:sos.poison
 - urn:service:sos.suicide
 - urn:service:sos.mental-health

Why a URN?

- Identifies a generic service, not a specific resource
- Uses mapping protocol:
 - {identifier, location & context} \diamond URL(s)
- Can be used anywhere a URN/URL is allowed, e.g.:
 - web pages
 - result returned by mapping protocol
 - request and **To** URI in SIP

Suggested behavior

- Based on today's list discussion
- METHOD urn:service:service
To: urn:service:service
- Proxy then converts to
METHOD urn:service:service
To: urn:service:service
Route: sip:help@provider.org;lr

Open issues

- Will get URN list input on syntax
- Will addressing mechanism work?
- How generic should this be?
- Work item?