

**Additional Link Relation Registrations**  
**draft-snell-more-link-relations-04**

Abstract

This specification registers a handful of new [RFC 5988](#) Link Relation types.

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## 1. Introduction

This specification defines and adds the following additional link relation types to the IANA Registry of Link Relations established by [\[RFC5988\]](#): to, bto, cc, bcc, from, bfrom, source, scope, generator, provider, location, alias and mentioned-by.

Note that this document is a work-in-progress draft specification that does not yet represent a "standard". It is the intention of this specification to propose a few new ideas and openly solicit feedback on their definition and use. While this document might eventually evolve into an RFC the ideas described herein have not yet been broadly implemented and have definitions that may evolve through successive iterations of this draft.

## 2. IANA Considerations

The following Link Relations are added to the IANA Registry of Link Relations:

+-----+-----+   Name   Description   +-----+-----+	
id	Specifies an IRI <a href="#">[RFC3987]</a> or URI
	<a href="#">[RFC3986]</a> considered to represent the identity of
	the link context.
to	Refers to a resource that is considered to be
	part of the public primary audience of the
	link's context.
bto	Refers to a resource that is considered to be
	part of the private primary audience of the
	link's context.
cc	Refers to a resource that is considered to be
	part of the public secondary audience of the
	link's context.
bcc	Refers to a resource that is considered to be
	part of the private secondary audience of the
	link's context.
from	Refers to a resource that is publicly considered
	to be the originator of the link's context.
bfrom	Refers to a resource that is privately
	considered to be the originator of the link's
	context.
scope	Refers to a resource that identifies the total

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	population of entities for which the context is considered relevant.
source	Refers to the original source of information contained by the context resource.
provider	Refers to the resource that provided the context resource. Typically, this would be used to identify the entity publishing the resource.
generator	Refers to the resource that generated the context resource. Typically, this would be used to identify the software application that created the context resource.
mentioned-by	Refers to a resource that mentions the context resource in some fashion. This, for example, would be used when an article mentions another article, or a social status update mentions a particular user, etc.
location	References an IRI or URI representing a physical or logical location with which the context resource is associated.
+-----+	

### 3. Security Considerations

There are no additional security concerns introduced by this document.

### 4. Informative References

- [RFC3986] Berners-Lee, T., Fielding, R., and L. Masinter, "Uniform Resource Identifier (URI): Generic Syntax", STD 66, [RFC 3986](#), January 2005.
- [RFC3987] Duerst, M. and M. Suignard, "Internationalized Resource Identifiers (IRIs)", [RFC 3987](#), January 2005.
- [RFC5988] Nottingham, M., "Web Linking", [RFC 5988](#), October 2010.

### [Appendix A](#). Examples

Using targeting link relations and the urn:social namespace:



```
POST /alerts HTTP/1.1
Host: example.org
Content-Type: text/plain
Authorization: Basic {Base64 Credentials}
Link: <urn:social:everyone>; rel="to"
Link: <urn:social:extended:2>; rel="cc"
Link: <urn:social:self>; rel="bfrom"
Link: <http://example.net/my-social-net>; rel="scope"
```

Test message

Using the targeting link relations with urn:social:role:

```
POST /alerts HTTP/1.1
Host: example.org
Content-Type: text/plain
Authorization: Basic {Base64 Credentials}
Link: <urn:social:role:moderator>; rel="to"
Link: <urn:social:role:editor>; rel="cc"
```

Test message

Using publication link relations:

```
<html>
  <head>
    ...
    <link
      rel="source"
      href="http://example.net/post/1" />
    <link
      rel="provider"
      href="http://example.org" />
    <link
      rel="generator"
      href="http://example.com/software/app/1.1" />
    ...
  </head>
  <body>...</body>
</html>
```

Using the location relation:



Link: <geo:37.786971, -122.399677>; rel="location"

Using the mentioned-by relation:

LINK /articles/1 HTTP/1.1

Host: example.org

Link: <articles/2>; rel="mentioned-by"

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