XEP-0093: Roster Item Exchange

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2005-08-26
Version 1.2

Status	Type	Short Name
Deprecated	Historical	x-roster

This specification provides canonical documentation of the jabber:x:roster namespace historically used within the Jabber community. NOTE WELL: This specification has been superseded by XEP-0144.

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1 Introduction

The Jabber protocols have long included a method for sending roster items to another entity. This method makes use of the 'jabber:x:roster' namespace and has been documented variously in Internet-Drafts and elsewhere. Because this protocol is not required by RFC 2779 [1], the 'jabber:x:roster' namespace was removed from XMPP IM [2]. This specification fills the void for canonical documentation.
NOTE WELL: This document has been superseded by Roster Item Exchange (XEP-0144) [3].

2 Definition

The 'jabber:x:roster' namespace (which is not to be confused with the 'jabber:iq:roster' namespace) is used to send roster items from one Jabber entity to another. A roster item is sent by adding to the <message/> element an <x/> child scoped by the 'jabber:x:roster' namespace. This <x/> element MUST contain at least one <item/> child elements (one for each roster item to be sent).
Each <item/> element may possess the following attributes:

- **jid** -- The Jabber Identifier of the contact being sent. This attribute is REQUIRED.
- **name** -- A natural-language nickname for the contact. This attribute is OPTIONAL.

Each <item/> element MAY also contain one or more <group/> children specifying the natural-language name of a user-specified group, for the purpose of categorizing this contact into one or more roster groups.

3 Examples

Listing 1: A Roster Item Sent to another Entity

```
<message to='hamlet@denmark' from='horatio@denmark'>
  <subject>Visitors</subject>
  <body>This message contains roster items.</body>
  <x xmlns='jabber:x:roster'>
    <item jid='rosencrantz@denmark'
          name='Rosencrantz'>
      <group>Visitors</group>
    </item>
```

[1] RFC 2779: A Model for Presence and Instant Messaging <http://tools.ietf.org/html/rfc2779>.
[2] RFC 6121: Extensible Messaging and Presence Protocol (XMPP): Instant Messaging and Presence <http://tools.ietf.org/html/rfc6121>.
[3] XEP-0144: Roster Item Exchange <https://xmpp.org/extensions/xep-0144.html>.

```
    <item jid='guildenstern@denmark'
          name='Guildenstern'>
      <group>Visitors</group>
    </item>
  </x>
</message>
```

4 Security Considerations

There are no security features or concerns related to this proposal.

5 IANA Considerations

This document requires no interaction with the Internet Assigned Numbers Authority (IANA) [4].

6 XMPP Registrar Considerations

The 'jabber:x:roster' namespace is registered in the protocol namespaces registry maintained by the XMPP Registrar [5].

7 XML Schema

```
<?xml version='1.0' encoding='UTF-8'?>

<xs:schema
    xmlns:xs='http://www.w3.org/2001/XMLSchema'
    targetNamespace='jabber:x:roster'
    xmlns='jabber:x:roster'
    elementFormDefault='qualified'>

  <xs:annotation>
    <xs:documentation>
      The protocol documented by this schema is defined in
```

[4] The Internet Assigned Numbers Authority (IANA) is the central coordinator for the assignment of unique parameter values for Internet protocols, such as port numbers and URI schemes. For further information, see <http://www.iana.org/>.

[5] The XMPP Registrar maintains a list of reserved protocol namespaces as well as registries of parameters used in the context of XMPP extension protocols approved by the XMPP Standards Foundation. For further information, see <https://xmpp.org/registrar/>.

```
      XEP-0093: http://www.xmpp.org/extensions/xep-0093.html

      NOTE WELL: This protocol has been superseded by XEP-0144
      http://www.xmpp.org/extensions/xep-0144.html
    </xs:documentation>
  </xs:annotation>

  <xs:element name='x'>
    <xs:complexType>
      <xs:sequence>
        <xs:element ref='item' minOccurs='1' maxOccurs='unbounded'/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>

  <xs:element name='item'>
    <xs:complexType>
      <xs:sequence>
        <xs:element name='group' type='xs:string' minOccurs='0'
            maxOccurs='unbounded'/>
      </xs:sequence>
      <xs:attribute name='jid' type='xs:string' use='required'/>
      <xs:attribute name='name' type='xs:string' use='optional'/>
    </xs:complexType>
  </xs:element>

</xs:schema>
```