3 MakeConnection

The following sub-sections define the various MakeConnection features, and prescribe their usage by a conformant implementations.

3.1 MakeConnection Anonymous URI

When an Endpoint is not directly addressable (e.g. behind a firewall or not able to allow incoming connections), an anonymous URI in the EPR address property can indicate such an Endpoint. The WS-Addressing anonymous URI is one such anonymous URI. This specification defines a URI template (the WS-MC anonymous URI) which may be used to uniquely identify anonymous Endpoints.

```
http://docs.oasis-open.org/ws-rx/wsmc/200608/anonymous?id={unique-Stringuuid}
```

The appearance of an instance of this URI template in the `wsa:Address` value of an EPR This URI template in an EPR indicates a protocol-specific back-channel will be established through a mechanism such as `MakeConnection`, defined below. When using this URI template, "{unique-Stringuuid}" MUST be replaced by a globally unique string (e.g. a UUID value as defined by RFC4122[UUID]). This specification does not require the use of one particular string generation scheme. This stringUUID value uniquely distinguishes the Endpoint. A sending Endpoint SHOULD Transmit messages at Endpoints identified with the URI template using a protocol-specific back-channel, including but not limited to those established with a `MakeConnection` message. Note, this URI template is semantically similar to the WS-Addressing anonymous URI if a protocol-specific back-channel is available.

3.2 MakeConnection Message

The `MakeConnection` element is sent in the body of a one-way message that establishes a contextualized back-channel for the transmission of messages according to matching criteria (defined below). In the non-faulting case, if no matching message is available then no SOAP envelope will be returned on the back-channel. A common usage will be a client sending `MakeConnection` to a server for the purpose of receiving asynchronous response messages.

The following exemplar defines the `MakeConnection` syntax:

```
<wsmc:MakeConnection ...>
    <wsmc:Address ...> xs:anyURI </wsmc:Address> ?
    <wsrm:Identifier ...> xs:anyURI </wsrm:Identifier> ?
    ...
</wsmc:MakeConnection>
```

The following describes the content model of the `MakeConnection` element.

/wsmc:MakeConnection

This element allows the sender to create a transport-specific back-channel that can be used to return a message that matches the selection criteria. Endpoints MUST NOT send this element as a header block. At least one selection criteria sub-element MUST be specified – if not a `MissingSelection` fault MUST be generated.

/wsmc:MakeConnection/wsmc:Address

This element specifies the URI (`wsa:Address`) of the initiating Endpoint. Endpoints MUST NOT return messages on the transport-specific back-channel unless they have been addressed to this URI. This `Address` property and a message's WS-Addressing destination property are considered identical when they are exactly the same character-for-character. Note that URIs which are not identical in this sense