

## 3.2 Anonymous Element

WS-Addressing defines a `wsaw:AnonymousNewConnection` element that is only used in conjunction with `wsaw:UsingAddressing` (or its equivalent `wsoap:module`, see section [3.3 WSDL SOAP Module](#)) element. The usage of `wsaw:AnonymousNewConnection` element is associated with the usage constraints specified for the `wsaw:UsingAddressing` element. Hence, it MUST NOT contain the `wsdl:required` attribute.

A WSDL or policy based service description that includes the `wsaw:UsingAddressing` but no `wsaw:AnonymousNewConnection` marker makes no assertion regarding a requirement or a constraint ~~on the response use of the anonymous URI in~~ EPRs contained in messages sent to the endpoint. In this cases, endpoint service descriptions have to rely on additional metadata, such as WSDL bindings or additional policy assertions, to indicate any requirements or restrictions on the use of ~~response EPRs the anonymous URI~~ by clients. However, in the absence of additional metadata, clients of the endpoint MAY assume that the service endpoint follows the behavior indicated by the 'optional' value of the `wsaw:AnonymousNewConnection` marker. ~~An endpoint SHOULD send a wsa:OnlyAnonymousAddressSupported or a wsa:OnlyNonAnonymousAddressSupported fault back to the client if a message received includes a response epr with an [address] that is unsupported by the endpoint.~~

~~The wsaw:Anonymous element, if present, MUST have one of three distinct values that indicate three different levels of support for handling anonymous addresses in EPRs.~~ In the following text, the term response endpoint EPR refers to the [reply endpoint] and [fault endpoint] message addressing properties collectively, ~~and the term addressable EPR refers to the ability of the sender of the message to initiate a new connection to that URI that EPR.~~ Examples of non-addressable EPRs are EPRs containing "http://www.w3.org/2005/08/addressing/anonymous" as the value of wsa:Address, EPRs containing a URI that matches the URI template defined in WS-ReliableMessaging Section 3.7 [informative ref] as the value of wsa:Address. ~~The wsaw:NewConnection element, if present, MUST have one of three distinct values that indicate three different levels of support for handling addressable response endpoints addresses in EPRs.~~

- "optional": This value indicates that a response endpoint EPR in a request message MAY be addressable ~~contain an anonymous addressable URI as an address.~~
- "required": This value indicates that all response endpoint EPRs in a request message MUST be always use an anonymous addressable URI as an address.

If a response endpoint EPR ~~is not does not contain an addressable the anonymous URI as an address value,~~ then a predefined `InvalidAddressingHeader` fault defined in Web Services Addressing 1.0 - SOAP Binding [[WS-Addressing SOAP Binding](#)] MUST be generated.

- "prohibited": This value indicates that any response EPRs in a request message MUST NOT ~~be addressable~~~~use an addressable~~ ~~anonymous URI as an address~~.

If a response endpoint EPR ~~is contains an addressable~~ ~~the anonymous URI as an address value~~, then a predefined InvalidAddressingHeader fault defined in Web Services Addressing 1.0 - SOAP Binding [[WS-Addressing SOAP Binding](#)] MUST be generated.

This element MAY appear as a child of an operation element in a binding element in WSDL 1.1, or as a binding operation extension element in WSDL 2.0.

*Example 3-3. Indicating use of ~~addressable~~ ~~anonymous~~ ~~addresses~~ ~~response endpoints~~ -using `wsaw:NewConnectionAnonymous`.*

```
<binding name="reservationSOAPBinding"
type="tns:reservationInterface">
  <soap:binding style="document"
transport="http://schemas.xmlsoap.org/soap/http" />
  <wsaw:UsingAddressing wsdl:required="true" />
  <operation name="opCheckAvailability">
    <soap:operation
soapaction="http://greath.example.com/2004/wsdl/resSvc/opCheckAvailab
ility" />
    <input>
      <soap:body use="literal" />
    </input>
    <output>
      <soap:body use="literal" />
    </output>

    <wsaw:NewConnectionAnonymous>required</wsaw:NewConnectionAnonymous>
  </operation>
</binding>
```

### 3.2.1 WSDL 2.0 Component Model Changes

Use of the `NewConnectionAnonymous` element adds the following property to the WSDL 2.0 component model:

- {~~anonymous-addressable response endpoint~~~~addresses~~} OPTIONAL, of type `xs:string`, to the Binding Operation component.

[Table 3-3](#) shows the mapping from the XML representation to the WSDL 2.0 component model.

*Table 3-3. Mapping from XML Representation to Binding Operation component Extension Properties*

Property	Value
{ <del>anonymous-addressable response endpoint</del> <del>addresses</del> }	The value of the <code>wsaw:NewConnectionAnonymous</code> element information item, if present. Otherwise, it is not present.

Update 3.1.2, 3.3's refer to wsaw:Anonymous accordingly.