

Initial suggestion relating to issue(s) 1075

Title: Change attributes to elements

Section 2.3.4 Channel types

Proposed change to syntax:

```
<channelType name="ncname"
             action="request-respond"|"request"|"respond"? >

    <usageRules> <useOnce/> | <unlimitedUse/> </usageRules>?
    <actionRules> <allowAction name="request-respond"|"request"|"respond"/>
</actionRules>?

    <passing channel="qname"
             action="request-respond"|"request"|"respond"?
             new="true"|"false"? />*
    <role type="qname" behavior="ncname"? />
    <reference>
        <token name="qname"/>
    </reference>
    <identity>
        <token name="qname"/>+
    </identity>?
</channelType>
```

2nd paragraph after syntax:

Current Text:

”The OPTIONAL attribute `usage` is used to restrict the number of times a Channel of this Channel Type can be used.”

Proposed change:

”The OPTIONAL element `usageRules` is used to restrict the number of times a Channel of this Channel Type can be used.”

3rd paragraph after syntax:

Current text:

”The OPTIONAL attribute `action` is used to restrict the type of information exchange that can be performed when using a Channel of this Channel Type. The type of information exchange performed could either be a request-respond exchange, a request exchange, or a respond exchange. The default for this attribute is set to "request". ”

Proposed change:

”The OPTIONAL element `actionRules` is used to restrict the type of information exchange that can be performed when using a Channel of this Channel Type. The type of information exchange performed could either be a request-respond exchange, a request exchange, or a respond exchange. The default for this element is set to "`<allowAction name="request"/>`”

NOTE1: by adopting the `allowAction` construct more types of ”permission” statements, re action patterns, communicative acts and information, may be created in future specification versions.

NOTE2: it is also proposed to keep the attribute ”action” in element `<passing/>`.

NOTE3: Changes to channelType examples are needed.

Other candidates for attribute to element transformation

Section 2.4.6 : for element `<workunit>`, the attributes `guard` and `repeat` could be translated into element in order to allow other type and kinds of expressions.

Section 2.5.2.3 Interaction syntax: for element `<timeout>` the attribute `time-to-complete` should be translated into element in order to allow other type and kinds of timeout expressions.

```
<timeout fromRoleRecordReference="list of ncname"?
         toRoleRecordReference="list of ncname"?
         <time-to-complete expression="XPath-expression"/>
</timeout>?
```