

OASIS WSBPEL TC Mar/Apr F2F 2004 Presentation:
**Issue 37: Initiating Correlation Set More
Than Once**

Yuzo Fujishima
NEC Corporation

Issue Definition

- What should happen if a correlation set is initiated more than once during the lifetime of the corresponding scope?

```
<while ...>  
  <receive partnerLink=...>  
    <correlations>  
      <correlation  
        set="correlationSet1"  
        initiate="yes"/>  
      </correlation>  
    </correlations>  
  </receive>  
</while>
```

Issue Decomposition

In hope of organizing the discussion, I would like to propose decomposing the issue into two cases.

- Case 1: For **non-start** activities.
- Case 2: For **start** activities.

Let's discuss each case separately and merge later.

Case 1: For Non-Start Activities

- Proposal 1-A: Always throw correlation Violation fault.
 - Rationale: Can prevent inadvertent errors.
- Proposal 1-B: Treat initiate="yes" the same as "no" if the correlation set is already initialized.
- Proposal 1-C: Remove initiate attribute, assuming initiate="yes" being interpreted as 1-B for all correlation set references.

Case 2: For Start Activities

- Proposal 2-A: Disallow both initiate="yes" and "no". Allow only a new value "start".
 - Rationale: "no" can never be legal for start activities. "yes" is confusing because then "yes" has two different meanings depending on whether the activity is start or non-start.
- Proposal 2-B: Use "yes" and treat as if it is "no" for all but the first-run start activity.

Merging Cases 1 & 2

- My Preference: Proposal 1-A & 2-A
 - Rationale: Unambiguous & error-preventive.
- [Optional] Additional proposal : Rename attribute "initiate" to "initialize".
 - Rationale: seems like more people say "CS is initialized" than "CS is initiated". (Maybe it is correlation that is initiated, not correlation set.)