

## Preliminary Notice

This paper is freely downloadable (PDF) from [www.conceptualheaven.com](http://www.conceptualheaven.com).

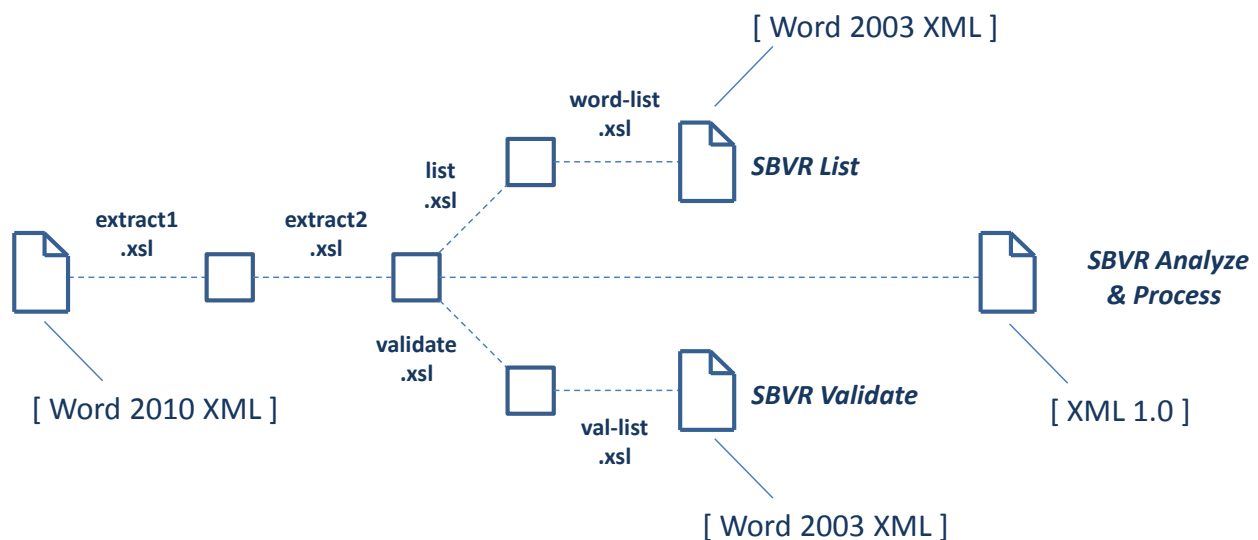
This paper provides technical information accompanying source code downloads from the member area of [www.conceptualheaven.com](http://www.conceptualheaven.com).

## XSLT Framework for SBVR

### Solution description

This is a set of XSLT 1.0 transformations that transforms a Word 2010 XML input document into one of three output formats. The following diagram visualizes intermediate steps (input document on the left, output documents on the right, intermediate XML represented by square symbols). The output format for the SBVR List and SBVR Validate utilities is MS Word 2003 XML. The output format for the SBVR Analyze & Process utility is an XML 1.0 document, effectively one of the intermediate XML schemas used by the other utilities. The "extract" transformations are re-used by all three utilities.

The "ch-" prefix is omitted from the diagram. "extract1.xsl" is short for "ch-extract1.xsl".



## Running from command line

All processable data is part of the XML input: none of the XSLT transformations require input parameters. To run the utilities from the command line, perform a sequence of transformations invoking any standard XSLT 1.0 processor:

### SBVR List utility

```
> msxsl.exe -o r-extract1.xml input.xml ch-extract1.xsl  
> msxsl.exe -o r-extract2.xml r-extract1.xml ch-extract2.xsl  
> msxsl.exe -o r-list.xml r-extract2.xml ch-list.xsl  
> msxsl.exe -o list-output.xml r-list.xml ch-word-list.xsl
```

### SBVR Analyze & Process utility

```
> msxsl.exe -o r-extract1.xml input.xml ch-extract1.xsl  
> msxsl.exe -o r-extract2.xml r-extract1.xml ch-extract2.xsl
```

### SBVR Validate utility

```
> msxsl.exe -o r-extract1.xml input.xml ch-extract1.xsl  
> msxsl.exe -o r-extract2.xml r-extract1.xml ch-extract2.xsl  
> msxsl.exe -o r-validate.xml r-extract2.xml ch-validate.xsl  
> msxsl.exe -o val-output.xml r-validate.xml ch-val-list.xsl
```