# Background

This document is provided solely to assist industry and SW vendors in using the HPFB CV’s. The intent is to evolve this document as the structure and content of the HPFB CV’s matures.

HPFB is providing all CV’s via public OID’s (<http://api.hres.ca/cv/index-en.html>). Note: The controlled vocabularies and terms found on this site are for testing purpose only.

# Implementation Details

## CV Term Restrictions and Alerts

Some CV terms are only meant for use within a specified context, the context element in the OID Data Base is used to clarify when a term is restricted and will identify the allowed use case for each term. In other cases there HPFB would like to be notified when a term is used, this is done using the same approach but a different constraint

The context element is a repeating structured field where the separator between entries is “;” (semi colon). The separator between values is “|” (pipe). The \* (asterix) character denotes a wildcard. In the context of SPL documents, only document and notification constraints are applicable.

Document constraints use the following structure document | doctype | templateID (with no spaces). Outlined below are some examples of document constraints:

i. document|1|\* means it is restricted to doctype (SPM) and applies to all templates.

ii. document|\*|\* means it is restricted to any document

iii. document|1|1 means it is restricted to template 1 of the SPM

Notification constraints use the following structure notification| doctype | templateID (with no spaces). Outlined below are some examples of document constraints:

i. notification|1|\* means flag it if the term is used in an SPM regardless of the template.

ii. notification|\*|\* means flag it if the term is used

iii. notification|1|1 means flag it if the term is used in template 1 of the SPM

The SPL document context validation works along the following concept: Term Context in (NULL || document|\*|\* || document|<doctype>|\* || document|<doctype>|<templateId>)

Please note that document|\*|1 is not a valid nomenclature, ie a wildcard can not be used at the <doctype> level in conjunction with a specific template at the <templateId> level.

## Document Section Sequence Validation

Due to the flexable nature of SPL content (/document/component/structuredBody/component) the structure define a hypothetical sequence rather than an absolute one. Therefore section sequence checking is done by comparing the sequence number of the current object and ensuring it is equal or greater to the preceding object with a couple of exceptions outlined below. In addition to context there are some special case sequence numbers that are used to validate the order:

0 – denotes that this label is used to generate the output and is not present in the content.

1 – denotes that this label is first thus the validation is not based on sequence but on the parent.

99999 – denotes that this label has no fixed order and thus the validation is not based on sequence but on the parent.

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