



Guide to XSLs for DHZM

DHZM XSL Guide

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Chapter 1 - Introduction

1.1 - Purpose

This is an informative supplement for DHZM. This document provides XSL files developed for DHZM.

Chapter 2 - XSL Files

2.1 - AddBackNamespacesDHZM.xsl

```
<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
                xmlns:xs="http://www.w3.org/2001/XMLSchema"
                xmlns:xd="http://www.oxygenxml.com/ns/doc/xsl"
                exclude-result-prefixes="#all"
                version="2.0">
  <xd:doc scope="stylesheet">
    <xd:desc>
      <xd:p>
        <xd:b>Created on:</xd:b> Mar 13, 2019</xd:p>
      <xd:p>
        <xd:b>Author:</xd:b> bob</xd:p>
      <xd:p>Add back DHZM namespaces after processing DHZM schema for guards.</xd:p>
    </xd:desc>
  </xd:doc>

  <xsl:output method="xml" indent="yes" encoding="utf-8"/>
  <xsl:strip-space elements="*" />

  <xd:doc>
    <xd:desc>
      <xd:p>Template match on xs:schema element</xd:p>
    </xd:desc>
  </xd:doc>
  <xsl:template match="xs:schema">
    <xsl:copy>
      <xsl:namespace name="" select="'urn:us:gov:ic:digitalhazmat'"/>
      <xsl:namespace name="dhzm" select="'urn:us:gov:ic:digitalhazmat'"/>
      <xsl:namespace name="tdf" select="'urn:us:gov:ic:tdf'"/>
      <xsl:namespace name="icsfhashv" select="'urn:us:gov:ic:sf:hashverification'"/>
      <xsl:namespace name="icsf" select="'urn:us:gov:ic:sf'"/>
      <xsl:apply-templates select="@*|node()"/>
    </xsl:copy>
  </xsl:template>

  <xd:doc>
    <xd:desc>
      <xd:p>Identity template</xd:p>
    </xd:desc>
  </xd:doc>
  <xsl:template match="@*|node()">
    <xsl:copy>
      <xsl:apply-templates select="@*|node()"/>
    </xsl:copy>
  </xsl:template>

</xsl:stylesheet>
```

2.2 - ProcessForGuards.xsl

```
<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
                xmlns:xs="http://www.w3.org/2001/XMLSchema"
                xmlns:xd="http://www.oxygenxml.com/ns/doc/xsl"
                exclude-result-prefixes="#all"
                version="2.0">
  <xd:doc scope="stylesheet">
    <xd:desc>
      <xd:p>
        <xd:b>Created on:</xd:b> Mar 13, 2019</xd:p>
      <xd:p>
        <xd:b>Author:</xd:b> bob</xd:p>
      <xd:p>Remove comments, PIs annotations, defaults (minOccurs="1" or maxOccurs="1"), ISM attributes to make the smallest simple file for a guard.</xd:p>
    </xd:desc>
  </xd:doc>

  <xsl:output method="xml" indent="yes" encoding="utf-8"/>
  <xsl:strip-space elements="*" />

  <xd:doc>
    <xd:desc>Add processing instruction to skip the unit test that checks for proper Processing Instructions on schema files.</xd:desc>
  </xd:doc>
  <xsl:template match="/*">
    <xsl:processing-instruction name="skip-unit-test-PI-validation"/>
    <xsl:copy copy-namespaces="no">
      <xsl:apply-templates select="@*|node()" />
    </xsl:copy>
  </xsl:template>

  <xd:doc>
    <xd:desc>Identity Transform</xd:desc>
  </xd:doc>
  <xsl:template match="@*|node()">
    <xsl:copy copy-namespaces="no">
      <xsl:apply-templates select="@*|node()" />
    </xsl:copy>
  </xsl:template>

  <xd:doc>
    <xd:desc>
      <xd:p>Strip out all @minOccurs and @maxOccurs whose value is 1 as those are defined by XSD specification to be the default.</xd:p>
    </xd:desc>
  </xd:doc>
  <xsl:template match="@minOccurs[.=1] | @maxOccurs[.=1]" />

  <xd:doc>
    <xd:desc>
      <xd:p>Strip out all @ism:* as the ISM attributes are only there for describing the DES</xd:p>
    </xd:desc>
  </xd:doc>
  <xsl:template match="@ism:*" />

  <xd:doc>
```

```

    <xd:desc>
      <xd:p>Strip out all comments, PIs and xs:annotations.</xd:p>
    </xd:desc>
  </xd:doc>
  <xsl:template match="comment()|processing-instruction()|xs:annotation" priority="5"/>
</xsl:stylesheet>
```