



# PIDX Template Development Guidelines

- **Introduction**

The purpose of this document is to establish the rules and guidelines for developing commodity specific templates for use in PIDX's classification standards so that they consistently meet the quality and level of detail required.

- **Developing Commodity Specific Templates**

- What is a Commodity Specific Template?

A template consists of a Noun and a Modifier that clearly describes an item. Included with each noun/modifier is a list of standard Attribute Names related to the noun/modifier. An attribute is a property or feature that defines a single characteristic of a product or service. When the attributes are collectively quantified through the use of associated Attribute Values there is sufficient information for users to be able to differentiate items within a catalogue. The end result is a logical Commodity Description capable of accurately specifying a discrete commodity group, and well suited for cataloguing a large quantity of diverse product information.

For example:

<b>Noun</b>	<b>Modifier</b>	<b>Attribute Names</b>	<b>Attribute Values</b>
Valve	Ball	Size Material	140mm, 100mm Stainless Steel, Carbon Steel
Boots	Safety	Size Color	10, 14 Black, Brown

- Purpose

Commodity specific templates are intended to build “open” web trading naming and description standards that will accelerate communication among buyers, Sellers, and all other users involved in the supply chain. From a content management viewpoint, they are especially useful for sellers by indicating the product data needed for content creation.

Commodity specific templates will facilitate trade between buyers and sellers by enabling the use of parametric searches so that users are able to identify and



select the correct item quickly. These templates are designed to feature attribute-level information, which is demanded by more and more buying companies.

The templates should provide sufficient information to enable efficient procurement decision-making. They are not intended to provide exhaustive design engineering specifications for each commodity. This kind of information can be held in other sections of the standard, the free text description field, referenced documentation or seller web links, if provided or otherwise available.

- **Nouns and Noun-modifiers**

- ***What are Nouns and Noun-modifiers?***

Noun - A word that is used to name a family, class or commodity and can function as the subject or object of a modifier to further identify services and materials. The noun may be comprised of more than one word to clearly define the commodities covered.

Modifier - A word that limits or qualifies the sense of another word or word group. Where necessary, a modifier may be comprised of more than one word to clearly define the commodities covered.

Used together, noun-modifier pairs are the key elements of a commodity item description. They enable grouping of like items into hierarchical classification schemas to facilitate searching. The noun-modifier pair must also be sufficiently descriptive by itself to clearly identify the basic item.

- ***Guidelines for creating Nouns and Noun-modifiers***

- A noun may exist without a descriptive modifier; however it should be definitive, clear, and provide a complete description of the item, without the need of an adjective, or modifier.
- In cases where the noun is enhanced with numerous modifiers to create numerous noun-modifier pairs, there should not be a “stand-alone” noun
- Noun-modifier pairs should be defined at a low-enough level in the overall classification hierarchy to limit the number of attributes needed to fully describe the commodity group.
- Noun-modifier pairs should be unique.
- All Noun-modifier pairs will be identified with correct UNSPSC code (Version 6.0315 & 5.0301)
- Noun-modifier pairs translated into different languages shall be linked to the U.S. English original to ensure template integrity.



- Noun-modifier pairs translated into different languages shall adhere to standard terminology and syntax guidelines for each language.
- Noun-modifier pairs should be fully expressed wherever possible.
- For each noun-modifier pair, there shall be an associated definition clearly defining what is covered.
- Compound nouns and noun-modifiers, e.g., expressions containing more than one word, may be used wherever common usage dictates and where breaking down the compound noun would destroy meaning, create confusion or hamper searching. This includes expressions where the lead descriptor is an adjective, not a noun. For example, “Coffee Maker” rather than “Maker, Coffee” or “Fax Machine” rather than “Machine, Fax”.
- Nouns and modifiers should be expressed in the singular, not plural, except where common usage dictates otherwise. For example, “Pliers” instead of “Plier”.
- Noun-Modifier items will be identified, in terms of what they are. (form), rather than how they are used (function). It should be noted that in some cases, the form is the same as the function
- All data created into a template will be stored in uppercase.
- Compound noun or compound modifier syntax consisting of multiple descriptors shall be listed as they are spoken in the English language, with adjective before noun, or with minor adjective before major adjective. Example is: Tape, Electrical Insulation, or Tape, Heat Tracing.
- Nouns and modifiers that contain numbers will have the numbers written out.
- Material composition of a noun-modifier item will be catalogued as an attribute of the item and will not appear in the noun-modifier expression itself.
- End preparation or method of attachment of a noun-modifier item will be catalogued as an attribute of the item and will not appear in the noun-modifier expression itself.
- Modifiers should be unambiguous and specific in order to eliminate confusion. For example, modifiers using the word “other”, “miscellaneous”, or similar vague terms should not be used.
- Modifiers may not be appropriate for some commodity groups containing many items, all sharing the same attribute set. In these cases, there will



be no modifier. Differentiation will depend on the leading attribute called “type”.

- Kits shall be entered as a Noun followed by a Modifier indicating type of kit when many manufacturers provide such a kit. For example, “Kit, First Aid”, or “Kit, Tool
- Assemblies shall be entered as a Noun and Modifier (when available), plus the following suffix to the modifier: “Assembly”. When no modifier is necessary, ‘Assembly’ will act as the modifier. For example, “Cable, Assembly”
- Sets shall be entered as a Noun and Modifier (when available) plus the following suffix to the modifier: “Set”. When no modifier is necessary, ‘Set’ will act as the modifier. For example, “Brush, Electrical (Set)”

- **Attributes**

- ***What is an Attribute?***

An attribute is a specification, feature or characteristic that describes physical, compositional, or structural properties of a commodity good or service

- ***Guidelines for creating Attributes***

- Attributes should define aspects of a commodity group in specific rather than general terms as far as practical unless doing so either contradicts common usage or distorts the noun-modifier description.
- Attributes should be entered in uppercase.
- Attributes with multiple descriptors should always be formatted as they are spoken in the English language, with adjective before noun, or with minor adjective before major adjective.
- Attributes for the same property, which appear in different noun-modifier pairs, should use the same terminology and syntax unless industry protocol dictates otherwise and represents widely recognized common usage.
- Attributes should be clear, concise and self-explanatory. They should not include abbreviations.
- Attribute names shall contain no more than 50 characters. Shorter names are better as they are more easily understood.



- Where two attributes exist in the same template describing similar properties, the attribute names must be specific enough to be easily differentiated.
- Attributes should be generic and not buyer, or supplier-company specific.
- Attributes should have a logical relationship to the noun-modifier pair they describe.
- Attributes translated into different languages shall be linked to the U.S. English original to ensure.
- Attributes should be sequenced in order of their importance in defining the noun-modifier commodity group.

For example:

<b><i>Correct</i></b>	<b><i>Incorrect</i></b>
Height Width Length	Size Dimensions
Outside Diameter	Outside diameter
Inside Diameter Outside Diameter	Diameter/ Inside Diameter/ Outside
Outside Diameter	External Diameter  Outer Diameter
Outside Diameter Material Specification	OD Mat. Spec.
Inside Diameter Outside Diameter Core Material Body Material	Diameter   Material



## CONTROLLER, DISTRIBUTED CONTROL SYSTEM (DCS)

A DEVICE USED TO CONTROL SEVERAL PROCESSES OVER AN ENTIRE SYSTEM, OR PORTION OF THAT SYSTEM.

UNSPSC Code:

Noun Modifier Voting

<b>Agree</b>	<b>Agree/Reservations</b>	<b>Disagree</b>
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

Attribute Review Status

<b>Under Review</b>	<b>On Hold</b>	<b>Review Complete</b>
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

The Current Item Attributes are as follows:

Where Used	New Seq	Seq	Attribute
<a href="#">Usage</a>	<input type="text" value="1"/>	1	VOLTS
<a href="#">Usage</a>	<input type="text" value="2"/>	2	TYPE
<a href="#">Usage</a>	<input type="text" value="3"/>	3	POWER SUPPLY
<a href="#">Usage</a>	<input type="text" value="4"/>	4	POWER RATING
<a href="#">Usage</a>	<input type="text" value="5"/>	5	PHASE
<a href="#">Usage</a>	<input type="text" value="6"/>	6	OUTPUT SIGNAL
<a href="#">Usage</a>	<input type="text" value="7"/>	7	MOUNTING
<a href="#">Usage</a>	<input type="text" value="8"/>	8	MEASUREMENT ACCURACY
<a href="#">Usage</a>	<input type="text" value="9"/>	9	LOOP QUANTITY
<a href="#">Usage</a>	<input type="text" value="10"/>	10	INSTRUMENT RANGE
<a href="#">Usage</a>	<input type="text" value="11"/>	11	INPUT SIGNAL
<a href="#">Usage</a>	<input type="text" value="12"/>	12	DISPLAY TYPE
<a href="#">Usage</a>	<input type="text" value="13"/>	13	CONTROL PERIOD
<a href="#">Usage</a>	<input type="text" value="14"/>	14	AMPS

**Date**

**By**

**Comment**

There are no comments posted for the current item.