

# Digital Product Passport Information Ontology

## Metadata

### IRI

<http://w3id.org/dppo/ontology/dpp-info/>

### Title

Digital Product Passport Information Ontology

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### License

<https://github.com/LiUSemWeb/DPP/blob/master/LICENSE>

### Version Iri

<http://w3id.org/dppo/ontology/dpp-info/0.1/>

### Version Info

0.1

### Preferred Namespace Prefix

dpp-info

### Preferred Namespace Uri

<http://w3id.org/dppo/ontology/dpp-info/>

### Description

This is a minimal core ontology describing DPP information types.

## Classes

### Actor<sup>C</sup>

**IRI** <http://w3id.org/dppo/ontology/dpp-info/Actor>

**In Range Of** [responsibleActor<sup>op</sup>](#)

**Super Class Of**  
[Authority<sup>C</sup>](#)  
[Consumer<sup>C</sup>](#)  
[ValueChainActor<sup>C</sup>](#)

## Authority<sup>c</sup>

**IRI** <http://w3id.org/dppo/ontology/dpp-info/Authority>

**Sub Class Of** [Actor<sup>c</sup>](#)

## Certificate<sup>c</sup>

**IRI** <http://w3id.org/dppo/ontology/dpp-info/Certificate>

**Sub Class Of** [PieceOfInformation<sup>c</sup>](#)

## Composition Information<sup>c</sup>

**IRI** <http://w3id.org/dppo/ontology/dpp-info/CompositionInformation>

**Sub Class Of** [PieceOfInformation<sup>c</sup>](#)

**In Domain Of** [aboutPart<sup>op</sup>](#)  
[aboutWhole<sup>op</sup>](#)

## Consumer<sup>c</sup>

**IRI** <http://w3id.org/dppo/ontology/dpp-info/Consumer>

**Sub Class Of** [Actor<sup>c</sup>](#)

## Disassembly Information<sup>c</sup>

**IRI** <http://w3id.org/dppo/ontology/dpp-info/DisassemblyInformation>

**Sub Class Of** [PieceOfInformation<sup>c</sup>](#)

## Piece Of Information<sup>C</sup>

**IRI** <http://w3id.org/dppo/ontology/dpp-info/PieceOfInformation>

**In Domain Of** [responsibleActor](#)<sup>op</sup>  
[superceededBy](#)<sup>op</sup>  
[timestamp](#)<sup>dp</sup>

**In Range Of** [containsInformation](#)<sup>op</sup>  
[superceededBy](#)<sup>op</sup>

**Restriction** [isAbout](#)<sup>op</sup> some [PieceOfInformation](#)<sup>C</sup>

**Super Class Of** [Certificate](#)<sup>C</sup>  
[CompositionInformation](#)<sup>C</sup>  
[DisassemblyInformation](#)<sup>C</sup>  
[RemainingProductQuality](#)<sup>C</sup>  
[RepairInstruction](#)<sup>C</sup>

## Remaining Product Quality<sup>C</sup>

**IRI** <http://w3id.org/dppo/ontology/dpp-info/RemainingProductQuality>

**Sub Class Of** [PieceOfInformation](#)<sup>C</sup>

## Repair Instruction<sup>C</sup>

**IRI** <http://w3id.org/dppo/ontology/dpp-info/RepairInstruction>

**Sub Class Of** [PieceOfInformation](#)<sup>C</sup>

## Substance Hindering Recycling<sup>C</sup>

**IRI** <http://w3id.org/dppo/ontology/dpp-info/SubstanceHinderingRecycling>

**Sub Class Of** [SubstanceOfConcern](#)<sup>C</sup>

## Substance Of Concern<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/dppo/ontology/dpp-info/SubstanceOfConcern">http://w3id.org/dppo/ontology/dpp-info/SubstanceOfConcern</a>
<b><u>Sub Class Of</u></b>	<a href="http://w3id.org/dppo/ontology/dpp-core/Substance">http://w3id.org/dppo/ontology/dpp-core/Substance</a>
<b><u>Super Class Of</u></b>	<a href="#">SubstanceHinderingRecycling<sup>C</sup></a> <a href="#">ToxicSubstance<sup>C</sup></a>

## Toxic Substance<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/dppo/ontology/dpp-info/ToxicSubstance">http://w3id.org/dppo/ontology/dpp-info/ToxicSubstance</a>
<b><u>Sub Class Of</u></b>	<a href="#">SubstanceOfConcern<sup>C</sup></a>

## Value Chain Actor<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/dppo/ontology/dpp-info/ValueChainActor">http://w3id.org/dppo/ontology/dpp-info/ValueChainActor</a>
<b><u>Sub Class Of</u></b>	<a href="#">Actor<sup>C</sup></a>

## Object Properties

### about part<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/dppo/ontology/dpp-info/aboutPart">http://w3id.org/dppo/ontology/dpp-info/aboutPart</a>
<b><u>Sub Property Of</u></b>	<a href="#">isAbout<sup>op</sup></a>
<b><u>Domain</u></b>	<a href="#">CompositionInformation<sup>C</sup></a>
<b><u>Range</u></b>	<a href="http://w3id.org/dppo/ontology/dpp-odp/Product">http://w3id.org/dppo/ontology/dpp-odp/Product</a>

### about whole<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/dppo/ontology/dpp-info/aboutWhole">http://w3id.org/dppo/ontology/dpp-info/aboutWhole</a>
<b><u>Sub Property Of</u></b>	<a href="#">isAbout<sup>op</sup></a>
<b><u>Domain</u></b>	<a href="#">CompositionInformation<sup>C</sup></a>
<b><u>Range</u></b>	<a href="http://w3id.org/dppo/ontology/dpp-odp/Product">http://w3id.org/dppo/ontology/dpp-odp/Product</a>

## contains information<sup>op</sup>

**IRI** <http://w3id.org/dppo/ontology/dpp-info/containsInformation>

**Domain** <http://w3id.org/dppo/ontology/dpp-odp/DPP>

**Range** [PieceOfInformation<sup>c</sup>](#)

## has composition information<sup>op</sup>

**IRI** <http://w3id.org/dppo/ontology/dpp-info/hasCompositionInformation>

**Domain** <http://w3id.org/dppo/ontology/dpp-odp/Product>

## is about<sup>op</sup>

**IRI** <http://w3id.org/dppo/ontology/dpp-info/isAbout>

**Super Property Of**

- [aboutPart<sup>op</sup>](#)
- [aboutWhole<sup>op</sup>](#)
- <http://w3id.org/dppo/ontology/dpp-odp/describes>

## responsible actor<sup>op</sup>

**IRI** <http://w3id.org/dppo/ontology/dpp-info/responsibleActor>

**Domain** [PieceOfInformation<sup>c</sup>](#)

**Range** [Actor<sup>c</sup>](#)

## superceded by<sup>op</sup>

**IRI** <http://w3id.org/dppo/ontology/dpp-info/supercededBy>

**Domain** [PieceOfInformation<sup>c</sup>](#)

**Range** [PieceOfInformation<sup>c</sup>](#)

## Datatype Properties

creation time stamp <sup>dp</sup>	
IRI	<a href="http://w3id.org/dppo/ontology/dpp-info/creationTimeStamp">http://w3id.org/dppo/ontology/dpp-info/creationTimeStamp</a>
<u>Sub Property Of</u>	<a href="#">timestamp</a> <sup>dp</sup>

invalid at time stamp <sup>dp</sup>	
IRI	<a href="http://w3id.org/dppo/ontology/dpp-info/invalidAtTimeStamp">http://w3id.org/dppo/ontology/dpp-info/invalidAtTimeStamp</a>
<u>Sub Property Of</u>	<a href="#">timestamp</a> <sup>dp</sup>

timestamp <sup>dp</sup>	
IRI	<a href="http://w3id.org/dppo/ontology/dpp-info/timestamp">http://w3id.org/dppo/ontology/dpp-info/timestamp</a>
<u>Super Property Of</u>	<ul style="list-style-type: none"><li><a href="#">creationTimeStamp</a><sup>dp</sup></li><li><a href="#">invalidAtTimeStamp</a><sup>dp</sup></li></ul>
<u>Domain</u>	<a href="#">PieceOfInformation</a> <sup>c</sup>

## Namespaces

:

<http://w3id.org/dppo/ontology/dpp-info/>

**dcterms**

<http://purl.org/dc/terms/>

**owl**

<http://www.w3.org/2002/07/owl#>

**prov**

<http://www.w3.org/ns/prov#>

**rdf**

<http://www.w3.org/1999/02/22-rdf-syntax-ns#>

**rdfs**

<http://www.w3.org/2000/01/rdf-schema#>

**vann**

<http://purl.org/vocab/vann/>

## Legend

<sup>c</sup>

<sup>op</sup>

Classes

Object Properties

