

# W3C WoT – Plugfest TPAC 2025

## Modbus Binding – Missing Term ReadFileRecord

- Updated the ontology, JSON Schema and JSON-LD context files
- <https://github.com/w3c/wot-binding-templates/pull/445>
- Main Finding: Inconsistencies in how we define some terms, in TD 2.0 we need to possibly consider this

## WoT Specification Generator Toolchain

- Main finding: In the current toolchain, we need to provide all the cross-references to internal documents, external docs, glossary and bibliography with correct HTML tags and IDs.
- Implemented a new feature to enhance this mechanism by providing vocabulary lists and generating the cross-references.

```

<span class="rfc2119-assertion" id=
  "td-context-ns-thing-mandatory">

  The <code>@context</code>
  name-value pair MUST contain the anyURI
  <code>https://www.w3.org/ns/wot-next/td</code>
  in order to identify the document as a TD 2.0 which would :
</span>
</li>
<li>
<span class="rfc2119-assertion" id=
  "td-context-ns-thing-optional">When <code>@context</code>
  is an <a href="#dfn-array" class="internalDFN"
  data-link-type="dfn">Array</a>, the anyURI
  <code>https://www.w3.org/ns/wot-next/td</code> <em class=
  "rfc2119" title="MAY">MAY</em> be followed by elements of
  type <code>anyURI</code> or type <a href="#dfn-map"
  class="internalDFN" data-link-type="dfn">Map</a> in any
  order, while it is RECOMMENDED to include only one
  <a href="#dfn-map" class="internalDFN" data-link-type=
  "dfn">Map</a> with all the name-value pairs in the
  <code>@context</code> <a href="#dfn-array" class=
  "internalDFN" data-link-type="dfn">Array</a>.</span>
</li>
<li>
<span class="rfc2119-assertion" id=
  "td-context-ns-thing-map-of-namespaces"><a href=
  "#dfn-map" class="internalDFN" data-link-type=
  "dfn">Maps</a> contained in an <code>@context</code>
  <a href="#dfn-array" class="internalDFN" data-link-type=
  "dfn">Array</a> MAY
  contain name-value pairs, where the value is a namespace
  identifier of type <code>anyURI</code> and the name a

```

Thing:

annotations:

spec\_scope\_note: |  
 :::NOTE  
 The exact value of `@context` URI will change upon the publication of the \*W3C Recommendation\* version.  
 :::  
 For `@context` the following rules are defined for Thing Description instances:  
 - The `@context` name-value pair \*MUST\* contain the anyURI `https://www.w3.org/ns/wot-next/td` in order to identify the document as a TD 2.0 which would allow Consumers to use the newly introduced terms.  
 - When `@context` is an Array, the anyURI `https://www.w3.org/ns/wot-next/td` \*MAY\* be followed by elements of type `anyURI` or type Map in any order, while it is \*RECOMMENDED\* to include only one Map with all the name-value pairs in the @context Array.  
 - Maps contained in an `@context` Array \*MAY\* contain name-value pairs, where the value is a namespace identifier of type anyURI and the name a Term or prefix denoting that namespace.  
 - One Map contained in an `@context` Array \*SHOULD\* contain a name-value pair that defines the default language for the Thing Description, where the name is the Term @language and the value is a well-formed language tag as defined by BCP47 (e.g., en, de-AT, gsw-CH, zh-Hans, zh-Hant-HK, sl-nedis).



From HTML markup → markdown  
 Automatic xref