

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 `@context`

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

data-link-type="dfn">Array, 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 `anyURI` or type

class="internalDFN" data-link-type="dfn">Map in any

order, while it is RECOMMENDED to include only one

"dfn">Map 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 `anyURI` 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