

MarkSpec Cheat Sheet — Flavor & Entries

Markdown flavor

Feature	MarkSpec
Headings	# ATX only
Emphasis	_text_ underscores
Strong	**text** asterisks
Lists	- dashes only
Code fences	Backticks + lang required
Line breaks	Trailing \ only
Horiz. rules	--- only
Inline HTML	Comments only
H1	First line, exactly one
Heading levels	No skipping
Images	Alt text required
Front matter	Not allowed

GFM / GLFM shared

Tables (pipe) · Strikethrough ~~text~~ · Task lists - [x] · Footnotes [^1] · Math x^x

Alerts

```
> [!WARNING]
> **Custom title** - Body.
```

NOTE · TIP · IMPORTANT · WARNING · CAUTION

Formatting rules

Line width	80 (configurable)
Prose wrap	always (configurable)
Line endings	lf
List indent	2 spaces
Final newline	Single \n
Formatter	dprint (not Prettier)

Autolinks

<https://example.com> · <user@example.com>

Captions

Table caption (above table)

Table: Sensor thresholds

Col Col
--- ---
val val

Slug: tbl.sensor-thresholds

Figure caption (below image)

![Alt text](image.svg)

Figure: Architecture overview

Slug: fig.architecture-overview

Entry blocks

```
- [SRS_BRK_0107] Sensor debouncing
```

```
The sensor driver shall debounce
raw inputs to eliminate noise.
```

```
Id: SRS_01HGW2Q8MNP3\
Satisfies: SYS_BRK_0042\
Labels: ASIL-B
```

No `_emphasis_` inside entries. `**Strong**` and code ok.

Display ID format

TYPE_XXX_NNNN

- TYPE — STK, SYS, SRS, SAD, ICD, VAL, SIT, SWT
- XXX — 2–6 uppercase letters (project abbrev)
- NNNN — zero-padded, unique in project

ULID

TYPE_01HGW2Q8MNP3 — 12–13 chars. Assigned by tooling, never changes.

Entry types

Cat.	Type	Name
Req	STK	Stakeholder requirement
	SYS	System requirement
	SRS	Software requirement
Arch	SAD	Architecture description
	ICD	Interface control document
Test	VAL	Acceptance test
	SIT	System integration test
	SWT	Software test

In-code entries

```
/**
 * [SRS_BRK_0107] Sensor debouncing
 *
 * The sensor driver shall reject
 * transient noise shorter than the
 * configured debounce window.
 *
 * Id: SRS_01HGW2R9QLP4\
 * Satisfies: SYS_BRK_0042\
 * Labels: ASIL-B
 */
@Test
fun `swt_brk_0107 debounce`() { }
```

Code annotations

```
/** Verifies: SRS_BRK_0107 */
/** Implements: SRS_BRK_0107 */
```

Languages: Rust /// · Kotlin /** */ · C++ /// · C /** */ · Java 23+ ///

Attributes

Authored (committed)

Attr	Description
Id	ULID, mandatory
Satisfies	Upstream parent ID(s)
Derived-from	External ref + section
Labels	Comma-separated tags

Generated (never in source)

Verified-by · Implemented-by

SAD-specific

Allocates	SRS display ID(s)
Component	Name or registry ID
Constrains	Component name(s)

ICD-specific

Between	Two parties, comma-separated
Interface	RIDL ref <code>{{ridl.id}}</code>

Derived-from format

Derived-from: ISO-26262-6 §9.4

ID validated; section locator is free text.

ATDD example (Kotlin + Gherkin)

```
/**
 * [SYS_BRK_0042] Sensor noise filtering
 *
 * Scenario: Reject transient noise
 *   Given a raw sensor input of 512
 *   And a noise spike of 50 lasting 2ms
 *   When the debounce window is 5ms
 *   Then the output shall remain 512
 *
 * Id: SYS_01HGW2P4KFR7\
 * Satisfies: STK_BRK_0001\
 * Labels: ASIL-B
 */
@Test
fun `sit_brk_0042 reject transient noise`() {
    val sensor = SensorDriver(debounceMs = 5)
    sensor.feed(512, spikeOf(50, durationMs = 2))
    assertEquals(512, sensor.output())
}
```

MarkSpec Cheat Sheet — Directives, Books & References

Directives

HTML comments: `<!-- markspec:NAME -->`. Invisible on GitHub/GitLab.

Document directives (after H1)

Directive	Purpose
<code>glossary</code>	Term definitions
<code>summary</code>	Book table of contents
<code>deck</code>	Slide deck
<code>references</code>	Standards registry
<code>deprecated</code>	Mark deprecated
<code>paginate</code>	Pagination (deck)

Auto-detected: `glossary` from `GLOSSARY.md`, `summary` from `SUMMARY.md`.

Inline directives

Directive	Purpose
<code>break page</code>	Page break
<code>break column</code>	Column break
<code>columns 2</code>	Multi-column
<code>section Name</code>	Deck section
<code>notes</code>	Speaker notes
<code>disable ID</code>	Suppress lint
<code>disable-next-line</code>	Suppress next line
<code>ignore</code>	Skip block

Close range directives with `<!-- markspec:end NAME -->`.

Multi-column

```
<!-- markspec:columns 2 -->

Left column.

<!-- markspec:break column -->

Right column.

<!-- markspec:end columns -->
```

Speaker notes (deck)

```
<!--
markspec:notes
Mention the 150ms requirement.
-->
```

Lint suppression

```
<!-- markspec:disable MSL-R011 -->

- [SRS_BRK_0108] Legacy req

<!-- markspec:end disable -->
```

Deck (presentations)

`---` = slide break. `==` starts each slide.

Markdown source

```
# Presentation Title

<!-- markspec:deck -->

### First Slide

Content here.

---

### Second Slide

More content.

<!-- markspec:section Demo -->

### Demo Slide
```

Mustache references

```
{{namespace.id}}
```

Two braces. No sections or partials. Not resolved inside code fences.

Namespaces

NS	Example
<code>req</code>	<code>{{req.SRS_BRK_0107}}</code>
<code>arch</code>	<code>{{arch.SAD_BRK_0001}}</code>
<code>test</code>	<code>{{test.SWT_BRK_0107}}</code>
<code>ref</code>	<code>{{ref.ISO-26262-6}}</code>
<code>fig</code>	<code>{{fig.system-overview}}</code>
<code>tbl</code>	<code>{{tbl.sensor-thresholds}}</code>
<code>h</code>	<code>{{h.section-heading}}</code>

Reference entries

Only in references document type. Display ID = slug.

```
- [ISO-26262-6] ISO 26262 Part 6

  Road vehicles – Functional
  safety – Part 6: Software.

  Document: ISO 26262-6:2018\
  URL: https://www.iso.org/...
```

Reference attributes

Attribute	Description
<code>Document</code>	Full document ID
<code>URL</code>	Canonical URL
<code>Status</code>	active / withdrawn / superseded
<code>Superseded-by</code>	Replacement entry ID
<code>Derived-from</code>	Parent standard

Book structure

SUMMARY.md

```
# Book Title

[Overview] (overview.md)

---

# Part Name

- [Chapter] (chapter.md)
- [Sub] (sub.md)

# Another Part

- [Chapter 2] (chapter2.md)

---

[Glossary] (GLOSSARY.md)
[Contributing] (CONTRIBUTING.md)
```

- First H1 = book title
- Other H1s = part headings (dividers)
- `---` = separators
- Front/back = unnested, no numbering
- Every link target must exist
- Human-authored, tooling validates

Glossary format

H1 = title, H2 = letter groups, H3 = terms. Link refs at end, alphabetical.

```
# Glossary

## A

### ASIL

Automotive Safety Integrity Level...

[ASIL]: #asil
```

Document types

Type	Detection	Description
<code>doc</code>	default	Any Markdown file
<code>glossary</code>	name/directive	Terms
<code>summary</code>	name/directive	Book TOC
<code>references</code>	name/directive	Standards
<code>deck</code>	directive only	Slides
<code>code</code>	extension	Source + doc comments