

Instructions for Completing the Specification Page

Welcome to the specification page template! By adhering to these instructions, you will ensure the Specification Page is comprehensive, accurate, and useful for all stakeholders involved in the project.

Main Page Content

1. Introduction

- Provide a brief overview of the specification. Include the purpose, key features, and any relevant background information.
- Add the calendar link, if Spec meets
- Add a plug-in to import the Spec blogs. Make sure the Spec category exists on Blogs, etc (iterate on what blogs do in the Compatible page with importing content)

2. Functional Changes

- Detail any changes in functionality from previous versions. Explain what has been added, modified, or removed, and the impact of these changes.

3. Maven Coordinates

- Specify the Maven coordinates required for dependency management. Include the group ID, artifact ID, and version number.

4. Compatible Chart

- Create a chart or table listing compatible versions of related specifications, libraries, or frameworks. Indicate which versions are tested and confirmed to work together.

5. Ballots (Plan Review & Release Review)

- Summarize the outcomes of the plan review and release review ballots. Include dates, participants, and results of the votes.

Sidebar Content

1. Scope Status

- Describe the current status of the specification's scope. Mention whether it is in draft, under review, or finalized.

2. Details

- **Release Record:** Provide a link to the release record documentation.
- **Javadoc:** Insert a link to the Javadoc.
- **Spec PDF:** Add a link to the PDF version of the specification.
- **Spec HTML:** Include a link to the HTML version of the specification.
- **REST TCK:** Link to the REST Technology Compatibility Kit (TCK).
- **API TCK:** Provide a link to the API Technology Compatibility Kit (TCK).
- **Optional TCK:** If applicable, add a link to any optional TCKs.

By following these directions, you will ensure that the specification page is complete, clear, and useful for all stakeholders. If you are unsure about what content is needed for any section, please refer back to the example template in the specification [Git ticket](#). Thank you for your attention to detail and thoroughness in completing this template.

Example:



MicroProfile Metrics aims to provide a set of Java interfaces and programming models which allow Java developers to add metrics instrumentation to their applications. MicroProfile Metrics also aims to provide convenient ways for operations teams to gather metrics data from compatible implementations.

The goal of this release is to add configurability to the existing metrics types to give more flexibility to operations teams using MicroProfile Metrics in different situations.

Functional changes

There is currently no standard way to enable/disable specific metrics.

- make it easy to enable/disable specific metrics through config (586)

There is currently no way to get a lightweight timer (all timers currently have quantiles in their Prometheus output, which requires data and processing at runtime). Adding ability to enable/disable quantiles is something we wanted for MicroProfile Metrics 5.0, but didn't have time to include.

- add ability to enable/disable quantiles for Timers/Histograms (673)
- add ability to set quantile values for Timers/Histograms (675)

Users have asked for ability to have distribution buckets for timers for service level objective tracking.

- add ability to enable/disable distribution buckets for Timers/Histograms (587)(674)(691)
- add ability to set distribution bucket ranges for Timers/Histograms (676)

Improvement to API

- make @RegistryScope be a qualifier (749)

Light Maven coordinates

```

<dependency>
  <groupId>org.eclipse.microprofile.metrics</groupId>
  <artifactId>microprofile-metrics-api</artifactId>
  <version>5.1.1</version>
</dependency>
  
```

Scope

Released

Released

Details

- Release Record
- Javadocs
- Spec PDF
- Spec.html
- REST TCK
- API TCK
- Optional TCK

Compatible Implementations

- Open Liberty +
- WebSphere +

Ballots

Plan Review

The Specification Committee Ballot concluded successfully on 2023-04-20 with the following results.

Representative	Representative for:	Vote
Samuel Pittman, Vincent Myers	Atlanta JUG	