

# Tech Spec Traceability Matrix

A Tech Spec Traceability Matrix is created by associating the functional requirements with the tech specs that will be used to implement them. In traceability, the relationship of driver (i.e. requirement) to satisfier (i.e. tech spec) can be one-to-one, one-to-many, or many-to-one. Traceability requires unique identifiers for each functional requirement and tech spec. Traceability ensures completeness of end user product. The Traceability Matrix can be a stand-alone document, or incorporated as part of the Technical Specification Document.

## Instructions:

Following best practices, business requirements should be decomposed to the smallest package and numbered with the following numbering convention: BR001, BR002, etc. For each business requirement there will be one or more functional requirements that should match the numbering convention for the associated business requirement: FR001.01, FR001.02, FR001.03, FR002, etc. Functional requirements should be decomposed to the smallest package.

For each functional requirement, there will be one or more associated technical specs that should match the numbering convention of the associated functional requirement: TS001.01.01, TS001.01.02, TS001.02, etc. Technical specs should be decomposed to the smallest package.

Matrix ID – Unique sequence to identify the combination of functional requirements and associated tech spec.

Functional Rqmt # - Identification number(s) of the functional requirement (as listed in Requirements Document). Functional requirements are associated with a business requirement.

Tech Spec # - Identification number(s) of the Technical Specification (as listed in the Tech Spec), which fulfills the **functional** requirement listed.

You can create a spreadsheet with the following columns and rows:

<b>Matrix ID #</b>	<b>Functional Requirement #</b>	<b>Tech Spec #</b>	<b>Comments</b>
1			
2			
3			
4			
5			
6			
7			