

5 February 2023

## 1.2.2 - Mission Stakeholders - Requirements, Technical Measures, Use Cases - Illustration

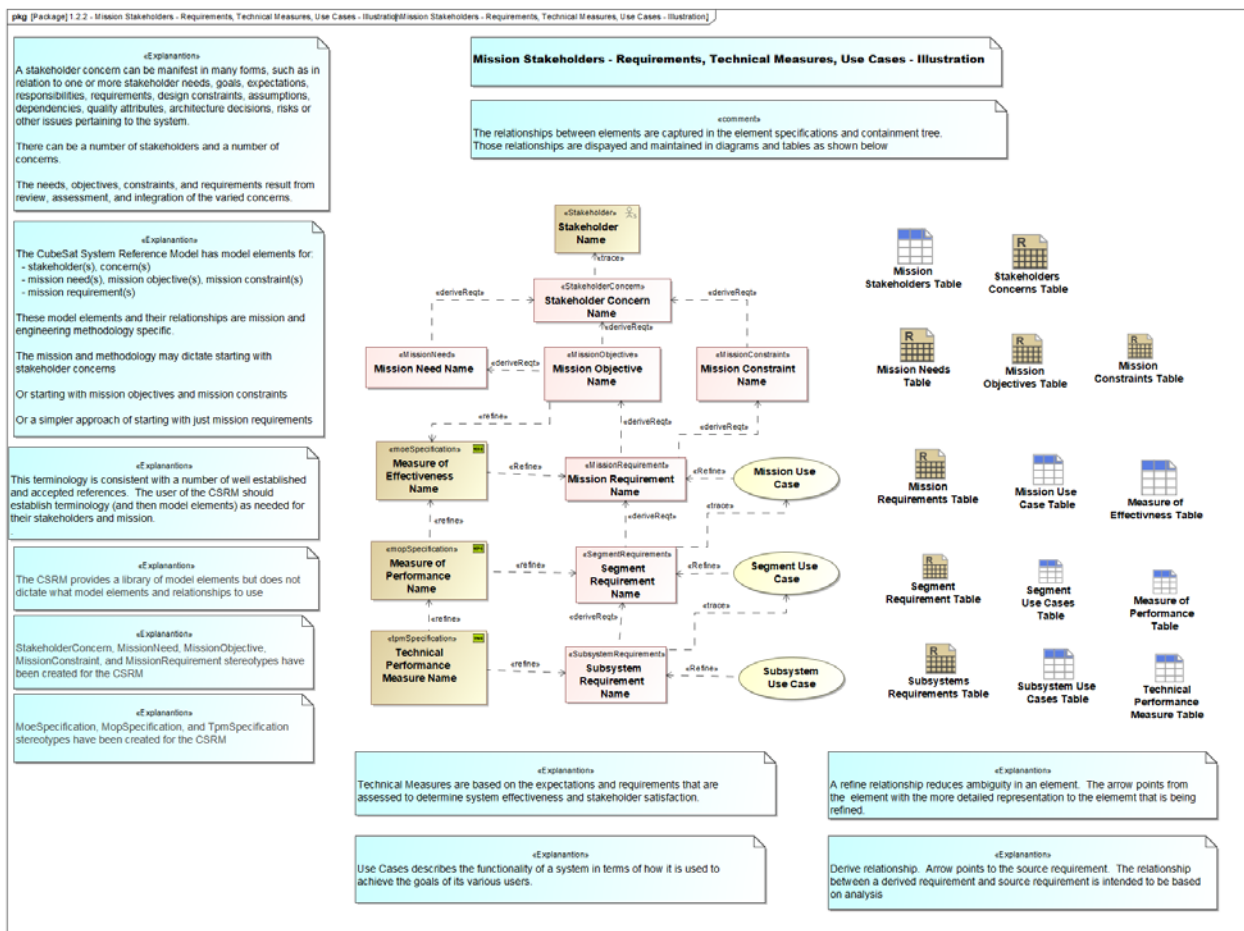
### Purpose of this Memo

To illustrate one of many ways to establish relationships between mission stakeholders, requirements, technical measures, and use cases.

The relationships between Mission Stakeholders, Requirements, Technical Measures, and Use Cases element. are captured in the element specifications and the containment tree.

These relationships are displayed and maintained in diagrams and tables as shown below.

The CSRSM provides a library of model elements but does not dictate what elements and relationships to use.



### Mission Stakeholders - Requirements, Technical Measures, Use Cases - Illustration

#	Name	Documentation	Traced From	Concerns
1	⊗ Stakeholder Name		⊗ 1 Stakeholder Concern Name	

### Mission Stakeholders

#	Name	△ Text	Refines	Refined By	Traced To	Traced From	Derived	Derived From
1	⊗ 1 Stakeholder Concern Name				⊗ Stakeholder Name	⊗ 4 Mission Constraint Name ⊗ 2 Mission Need Name ⊗ 3 Mission Objective Name	⊗ 4 Mission Constraint Name ⊗ 2 Mission Need Name ⊗ 3 Mission Objective Name	

### Stakeholder Concerns

#	Name	Text	Refines	Refined By	Traced To	Traced From	△ Derived	Derived From
1	⊗ 2 Mission Need Name					⊗ 3 Mission Objective Name	⊗ 3 Mission Objective Name	⊗ 1 Stakeholder Concern Name

### Mission Needs

#	Name	Text	Refines	△ Refined By	Traced To	Traced From	Derived	Derived From
1	⊗ 3 Mission Objective Name		⊗ Measure of Effectiveness Name			⊗ 5 Mission Requirement Name	⊗ 5 Mission Requirement Name	⊗ 2 Mission Need Name ⊗ 1 Stakeholder Concern Name

### Mission Objectives

#	Name	Text	Refines	Refined By	Traced To	Traced From	△ Derived	Derived From
1	⊗ 4 Mission Constraint Name					⊗ 5 Mission Requirement Name	⊗ 5 Mission Requirement Name	⊗ 1 Stakeholder Concern Name

### Mission Constraints

#	△ Name	Text	Traced To	Traced From	Refines	Refined By	Derived	Derived From
1	Mission Requirement Name			6 Segment Requirement Name		Measure of Effectiveness Name Mission Use Case	6 Segment Requirement Name	3 Mission Objective Name 4 Mission Constraint Name

### Mission Requirements

#	Name	Refines	Traced From
1	Mission Use Case	5 Mission Requirement Name	6 Segment Requirement Name

### Mission Use Cases

#	Name	Refines	Traced From
1	Measure of Effectiveness Name	5 Mission Requirement Name	

### Measure of Effectiveness

#	Name	△ Text	Traced To	Traced From	Refines	Refined By	Derived	Derived From
1	Segment Requirement Name		Mission Use Case	7 Subsystem Requirement Name		Measure of Performance Name Segment Use Case	7 Subsystem Requirement Name	5 Mission Requirement Name

### Segment Requirements

#	Name	Refines	△ Traced From
1	Segment Use Case	6 Segment Requirement Name	7 Subsystem Requirement Name

### Segment Use Cases

#	Name	Refines	Traced From
1	Measure of Performance Name	Measure of Effectiveness Name 6 Segment Requirement Name	

### Measures of Performance

#	△ Name	Text	Traced To	Traced From	Refines	Refined By	Derived	Derived From
1	Subsystem Requirement Name		Segment Use Case			Technical Performance Measure Name Subsystem Use Case		6 Segment Requirement Name

### Subsystem Requirements

#	Name	Refines	Traced From
1	Subsystem Use Case	7 Subsystem Requirement Name	

### Subsystem Use Cases

#	Name	Refines	Traced From
1	Technical Performance Measure Name	Measure of Performance Name 7 Subsystem Requirement Name	

### Technical Performance Measures