2.1 - Technical Measures - Specifications and Requirements - Population

pkg pkg [Package] 2.1 - Technical Measures - Specifications and Requirements - Population Technical Measures - Specifications and Requirements - Population Technical Measures - Specifications and Requirements - Population **Technical Measures** Technical Measures - Requirements Table **Specifications Table** A Technical Measure provides a stakeholder insight into the definition and development of a A Technical Measure is incorporated in to CubeSat System Reference Model as a block value property based on the Technical Measure as specified by a technical solution. Verification activities provide data to the technical measurement process that is used to assess how stakeholder well the technical measure is either projected to meet, or is meeting, its stated value. 2.1.1.1 MOE 2.1.1.2 MOE A stakeholder is going to most likely "describe" their Specifications Technical Measure in a document. A stakeholder will communicate and negotiate their Technical Common terms for these measures are - MOE - Measure of Effectiveness - MOP - Measure of Performance Measure with the engineers and engineers will transform the description into a value property, and methods for calculating the value property. - KPP - Key Performance Parameter The Technical Measures are captured in Technical Measures Specification packages and Technical 2.1.2.1 MOP Measurers Requirement packages 2.1.2.2 MOP «Explanantion» Specifications Requirements MOEs are operational measures of success Technical Measures Specification package diagrams closely related to the achievement of the mission objective in the intended operational environment are used to establish the relationships of Specifications, Methods, and Requirements. under a specified set of conditions 2.1.3 TPM «Explanantion» MOPs are measures that characterize physical or 2.1.3.1 TPM The Technical Measures Methods document iis part functional attributes relating to system operation, 2.1.3.2 TPM of the model and can be edited within the mode Specifications measured or estimated under specified testing Requirements and/or operational environment conditions It can be created externally and copy/pasted into a Technical Measure package diagram for populatiion into the containment tree «Explanantions The Methods can be be incorporated into the TPMs measure attributes of a system element to Constraint block Constraints and Parameters determine how well that element is satisfying, or compartments expected to satisfy, a technical requirement 2.1.4.1 KPP 2.1.4.2 KPP Parametric diagrams show how the constraint properties are connected. Requirements KPPs are measures that are critical and failure to meet threshold performance will result in reevaluation of a technical solution and with the «HowTo» Double-click on a Technical Measure table and then possibility of project termination. click on Add New to add a new Technical Measure to 4 the containment tree and to the table Mission Right click the new element in the table then left click Stakeholders elect in Containment Tree to navigate to the new Requirements, ecifications and Technical Measures, element. Use Cases -Illustration Illustration

Technical Measures provide stakeholders insight into the definition and development of a technical solution.

Common terms for these measures are:

- MOE Measure of Effectiveness
- MOP Measure of Performance
- TPM Technical Performance Measure
- KPP Key Performance Parameter

The Technical Measures are captured in Technical Measures Specification packages and Technical Measures Requirement packages

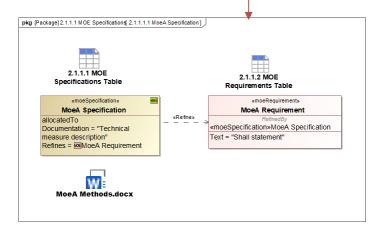
Technical Measures - Specifications and Requirements - Population

#	Name	Documentation	Allocated To	Refines	Active Hyperlink	Applied Stereotype
1	MoeA Specification	Technical measure description		MOE 1 MoeA Requirement	2.1.1.1.1 MoeA Specification	moeSpecification [Class WhyperlinkOwner [Elemi
2	MoeB Specification	Technical measure description		2 MoeB Requirement	2.1.1.1.2 MoeB Specification	moeSpecification [Class WhyperlinkOwner [Elemi
3	MopA Specification	Technical measure description		1 MopA Requirement	2.1.2.1.1 MopA Specification	mopSpecification [Class www.hyperlinkOwner [Elemony)
4	MopB Specification	Technical measure description		№ 2 MopB Requirement	2.1.2.1.2 MopB Specification	mopSpecification [Class www.hyperlinkOwner [Elemonth)
5	TpmA Specification	Technical measure description		1 TpmA Requirement	2.1.3.1.1 TpmA Specification	tpmSpecification [Class
6	TpmB Specification	Technical measure description		2 TpmB Requirement	2.1.3.1.2 TpmB Specifications	tpmSpecification [Class ** HyperlinkOwner [Elemination Class Clas
7	KppA Specification	Technical measure description		1 KppA Requirement	2.1.4.1.1 KppA Specification	kppSpecification [Class
8	KppB Specification	Technical measure description		2 KppB Requirement	2.1.4.1.2 KppB Specifications	kppSpecification [Class

Technical Measures Specification Table.

Technical Measures Specification package diagrams are used to establish the relationships of Specifications, Methods, and Requirements

Double click in package diagram cell to reveal three ellipses and select Open



XX

#	Name	Text	Refined By	Applied Stereotype
1	MOE MoeA Requirement	Shall statement	MoeA Specification	moeRequirement [Class]
2	MOE MoeB Requirement	Shall statement	MoeB Specification	moeRequirement [Class]
3	MOP MopA Requirement	Shall statement	MopA Specification	mopRequirement [Class]
4	MOP MopB Requirement	Shall statement	MopB Specification	mop mopRequirement [Class]
5	™ TpmA Requirement	Shall statement	TpmA Specification	tpmRequirement [Class]
6	TpmB Requirement	Shall statement	TpmB Specification	tpmRequirement [Class]
7	№ KppA Requirement	Shall statement	KppA Specification	kppRequirement [Class]
8	₪ KppB Requirement	Shall statement	KppB Specification	kppRequirement [Class]

Technical Measures Requirements Table

