# 

# Large Synoptic Survey Telescope (LSST)

TBD

TBD Authors

LSE-TBD

Latest Revision: 28 August 2017

DRAFT

Change Record

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| **Version** | **Date** | **Description** | **Owner name** |
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#set($scopedPackage = $packageScope.get(0))

# $scopedPackage.name

$scopedPackage.documentation

#foreach($child in $sorter.sort($scopedPackage.getOwnedElement()))

#if($report.containsStereotype($child,”Requirement”) || $report.containsStereotype($child,”interfaceRequirement”) || $child.getHumanType() == ‘Package’)

#recursiveReqs($child,1)

#end

#end

#macro( recursiveReqs $element $depth)

#if($element.getHumanType() == ‘Package’)

#parseHeader($element.name,$depth)

$element.documentation

#elseif(($report.containsStereotype($element,”Requirement”) || $report.containsStereotype($element,”interfaceRequirement”)) && !$report.containsStereotype($element,”VerificationElement”))

#parseHeader($element.name,$depth)

#if(!$report.getStereotypeProperty($element,”Requirement”,”Id”).isEmpty())

**ID:** $report.getStereotypeProperty($element,”Requirement”,”Id”).get(0)

#end

#if(!$report.getStereotypeProperty($element,”Requirement”,”Text”).isEmpty())

$report.getStereotypeProperty($element,”Requirement”,”Text”).get(0)

#end

$element.documentation

#end

#set($refines = $array.createArray())

#foreach($subRelation in $element.get\_directedRelationshipOfTarget())

#if($report.containsStereotype($subRelation,”Refine”))

#set($filler = $refines.add($subRelation))

#end

#end

#if(!$refines.isEmpty())

| **Description** | **Value** | **Unit** | **Name** |
| --- | --- | --- | --- |
| #forrow($refine in $refines)  $refine.getSource().get(0).documentation | #set($spec = $refine.getSource().get(0).get\_constraintOfConstrainedElement().get(0).getSpecification().getBody().get(0))  #set($index = $spec.indexOf("="))  #set($index = $index+1)  $spec.substring($index) | $report.getStereotypeProperty($refine.getSource().get(0),”ConstraintElement”,”unit”).get(0).name | $refine.getSource().get(0).name  #endrow |

#end

#foreach($subElement in $sorter.sort($element.getOwnedElement()))

#if($report.containsStereotype($subElement,”Requirement”) || $report.containsStereotype($subElement,”interfaceRequirement”) || $subElement.getHumanType() == ‘Package’)

#set($depth = $depth + 1)

#recursiveReqs($subElement,$depth)

#set($depth = $depth - 1)

#end

#end

#end

#macro( properHeading $string $depth)

#if($depth == 1)

# $string

#elseif($depth == 2)

## $string

#elseif($depth == 3)

### $string

#elseif($depth == 4)

#### $string

#elseif($depth == 5)

##### $string

#elseif($depth == 6)

###### $string

#elseif($depth == 7)

$string

#elseif($depth == 8)

$string

#else

$string

#end

#end

#macro( parseHeader $header $depth)

#if($header.charAt(0)==’0’ || $header.charAt(0)==’1’ || $header.charAt(0)==’2’ || $header.charAt(0)==’3’ || $header.charAt(0)==’4’ || $header.charAt(0)==’5’ || $header.charAt(0)==’6’ || $header.charAt(0)==’7’ || $header.charAt(0)==’8’ || $header.charAt(0)==’9’)

#properHeading($header.substring($header.indexOf(“ “)),$depth)

#else

#properHeading($header,$depth)

#end

#end