```
ObjectErrorHandling
   shapeDefinitions
   propertyTypeMap
+ ObjectErrorHandling()
+ ~ObjectErrorHandling()
+ checkArrayValidity()
+ checkGroupValidity()
+ checkListValidity()
+ checkValueValidity()
+ verifyObjectValidity()
+ setShapeDefinitions()
+ setPropertyTypeMap()
  getDataTypeName()
 getShapeDefinition()

    isParameterValid()

    isParameterMandatorv()

    isParameterOptional()
```

checkParameterType()isValueTypeValid()

checkSimpleValueValidity()
 checkVector2DValueValidity()
 checkVector3DValueValidity()
 checkMandatoryParameters()
 checkOptionalParameters()
 checkUnknownParameters()