CHECKLIST

| Operator | NO/NONE | MORE | LESS | AS_WELL_AS | PART_OF | REVERSE | OTHER_THAN | EARLY | LATE |
|---|---|---|---|---|---|---|---|---|---|
| BuggyDeviceCallback | | | | | | | ✓ | | |
| TrapDeviceCallback | | | | ✓ | | | | | |
| BuggyDeviceListener | | | | | | | ✓ | | |
| TrapDeviceListener | | | | ✓ | | | | | |
| NullDeviceInstanceDeclaration | | | | | | | ✓ | | |
| DefaultDeviceBuilderInstanceDeclaration | | | | | | | ✓ | | |
| SwitchConditionalDeviceMethod | | | | | | ✓ | | | |
| SwitchConditionalParameterDeviceMethod | | | | | | ✓ | | | |
| ShiftDeviceMethodCall | | | | | | | | ✓ | ✓ |
| DeletionDeviceMethods | ✓ | | | | | | | | |
| DeviceVariablesOperator | | ✓ | ✓ | | | | | | |
| NullReferenceDeviceMethods | | | | | | | ✓ | | |
| RandomActionIntentDeviceDefinition | | | | | | | ✓ | | |
| ReplaceCompatibleTypeDeviceGetMethods | | | | | | | ✓ | | |
| RandomLocationProviderDeviceReplacement | | | | | | | ✓ | | |
| RandomLocationRequestBuilderPriorityDeviceReplacement | | | | | | | ✓ | | |

| Operator | Guide word | Cause | Consequence |
|---|---|---|---|
| BuggyDeviceCallback | OTHER_THAN | Changes the current instantiation of a callback method with a null value. | May cause an error or the application may throw a NullPointerException. |
| TrapDeviceCallback | AS_WELL_AS | Adds a trap method to check the reachability of a callback method. | No loss of information, i.e., the callback method is reachable. |
| BuggyDeviceListener | OTHER_THAN | Changes the current instantiation of a listener method with a null value. | May cause an error or the application may throw a NullPointerException. |
| TrapDeviceListener | AS_WELL_AS | Adds a trap method to check the reachability of a listener method. | No loss of information, i.e., the listener method is reachable. |
| NullDeviceInstanceDeclaration | OTHER_THAN | Changes the current instantiation of a method with a null value. | May cause an error or the application may throw a NullPointerException. |
| DefaultDeviceBuilderInstanceDeclaration | OTHER_THAN | Changes the current instantiation of a method with a default. | May cause an error or a loss of object information. |
| SwitchConditionalDeviceMethod | REVERSE | Reverts the current return value of a boolean method. | May cause an unexpected result or behaviour of the application. |
| SwitchConditionalParameterDeviceMethod | REVERSE | Reverts the curret boolean parameter of a method. | May cause an unexpected result or behaviour of the application. |
| ShiftDeviceMethodCall | EARLY/LATE | Makes an early/late call of a method. | May cause an application error. |
| DeletionDeviceMethods | NO/NONE | Deletes an declared method. | May not cause a visible error, but a collateral effects such as increase the energy consumption. |
| DeviceVariablesOperator | MORE/LESS | Increases/Decreases a numeric value. | May cause an unexpected result. |
| NullReferenceDeviceMethods | OTHER_THAN | Changes the reference parameter of a method with a null value. | May cause an error or an unexpected result/behaviour of the application |
| RandomActionIntentDeviceDefinition | OTHER_THAN | Randomly changes the value of a declared action intent. | May cause an unexpected result or behaviour of the application. |
| ReplaceCompatibleTypeDeviceGetMethods | OTHER_THAN | Changes the declaration of a get method with a similar from the same class with the same return type | May cause an application error. |
| RandomLocationProviderDeviceReplacement | OTHER_THAN | Changes the provider of a Location method. | May cause an unexpected behaviour or collateral effects such as increase the energy consumption. |
| RandomLocationRequestBuilderPriorityDeviceReplacement | OTHER_THAN | Changes the priority of a LocationBuilder instantiation. | May cause an unexpected behaviour or collateral effects such as increase the energy consumption. |