TPMS
5.03.05

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1. TPMS

This chapter presents an overview of the project measures. This dashboard shows the most important measures related to project quality, and it provides a good starting point for identifying problems in source code.

1.1. Report Overview

Static Analysis

Lines of code	**Comments**	**Complexity**
37,174	**13.9%**	**3.6**
67 packages	**6,026 comment lines**	**37.5 /class**
236 classes		**8,846 decision points**
2,452 methods		
10.4% duplicated lines		

Dynamic Analysis

Code Coverage	**Test Success**
N/A	**N/A**
0 tests	**N/A failures**
	N/A errors

Coding Rules Violations

Rules Compliance	**Violations**
60.3%	**5,267**

1.2. Violations Analysis

Most violated rules	
Empty If Stmt	31
Security - Array is stored directly	8
Equals Hash Code	2
Avoid Catching Throwable	2
Naming - Suspicious equals method name	1

Most violated files

slctLst	283
attrLst	240
appRdr	184
VobQryServlet	155
xmlRdr	155

Most complex files

slctLst	343
attrLst	278
appRdr	237
VobQryServlet	204
XmlUtils	177

Most duplicated files

BoschReportsManager	258
TpMoveToProdAction	192
TpActionServlet	188
TpDeliveryAction	186
NotInProductionTpReportServlet	184

1.3. Violations Details

Rule	Empty If Stmt
File	**Line**
AfsCommonStaticClass	71, 81
PacketServlet	260
GeneralStringUtils	41
TpDBManager	182
LinesetFiltersAdministration	42, 44, 46
TpReportManager	87
TpDbSearchServlet	65
DbActionDaemon	33
DirNavigator	41, 51
GetDbTesterInfosAction	37, 47
TpAction	148, 158
TpFlowMgr	88

TpMultiActionServlet	413, 419

Rule	Security - Array is stored directly	
File		Line
CoolString		107
UpdateDBProcess		23
simpleSckMonitor		21, 21
socketMonitor		124, 128, 157, 160

Rule	Equals Hash Code	
File		Line
CoolString		262
Lineset		300

Rule	Avoid Catching Throwable	
File		Line
VobActionDaemon		156, 188

Rule	Naming - Suspicious equals method name	
File		Line
CoolString		247

Rule	Unconditional If Statement	
File		Line
simpleSckMonitor		115

Rule	If Stmts Must Use Braces	
File		Line
AfsCommonStaticClass		274
ClearcaseCommand		55, 66
ClearcaseInterface		128, 130, 134
PacketsDbManager		324, 539

PacketUtils	38
FileDirectorySelectionServlet	82, 164
AfsGeneralServlet	44
TpmsInstallationsList	79
TpmsInstallationsManager	64, 120
AlphabeticalSort	64
Base64	641, 1022, 1050, 1074

Rule	Replace Vector With List
File	**Line**
PacketsDbManager	320, 322, 335, 347, 358, 366, 374, 385
FileSystemNavigation	57, 59, 60, 94, 95, 196, 200, 224
HtmlUtils	30, 57, 88, 196

Rule	Visibility Modifier
File	**Line**
AfsCommonClass	16
AfsCommonStaticClass	30, 31, 36
Packet	22, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39

Rule	Avoid Duplicate Literals
File	**Line**
ClearcaseInterface	219
PacketsDbManager	97, 180, 189, 198, 337, 436, 438, 509
PacketsVobManager	145
AfsSecurityManager	62
VobQueryServlet	72
CoolString	336, 336
HtmlUtils	37, 41, 260
XmlUtils	638
TpActionsManager	49, 49