



# Hawkeye

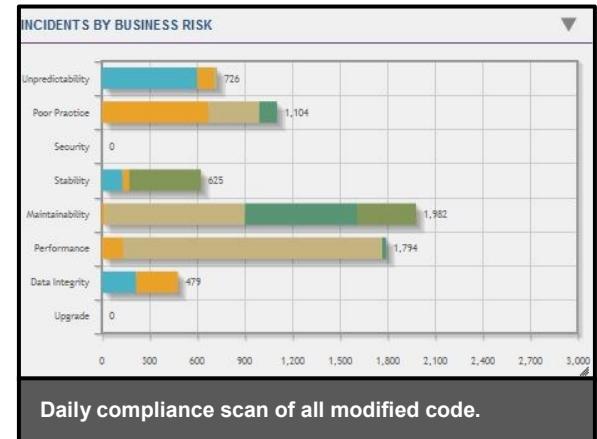
**MONITOR THE DEVELOPMENT; EMPOWER THE TEAM**

## MONITOR THE DEVELOPMENT

**Hawkeye Monitor** is *the* governance tool for teams building custom code.

Whether your team is next door or on the other side of the world, Hawkeye Monitor will continuously monitor all development, all the time, to highlight any new hazards that could harm the business.

*Automatically and consistently apply your quality policies across the board – wherever they are. It is that simple.*



Object type and Object name: PROG\_ZC0DX\_TESTCASE  
Delta Scan Selected:   
Status:

Category	Severity 1	Severity 2	Severity 3	Severity 4	Severity 5	Total
Violations	24	29	47	16	5	116

SEVERITY	Risk Type	RULE NAME	OBJECT	Procedure
1	Data Integrity	DIRECT UPDATE TO SAP TABLE	Program ZC0DX_TESTCASE	Include ZC0DX_TES
	Data Integrity	MISSING CRITICAL PROGRAM ELEMENT	Program ZC0DX_TESTCASE	Include ZC0DX_TES
	Stability		Program ZC0DX_TESTCASE	Include ZC0DX_TES
	Stability		Program ZC0DX_TESTCASE	Include ZC0DX_TES
	Stability		Program ZC0DX_TESTCASE	Include ZC0DX_TES
	Unpredictability	SY-SUBRC NOT HANDLED	Program ZC0DX_TESTCASE	Include ZC0DX_TES
	Unpredictability		Program ZC0DX_TESTCASE	Include ZC0DX_TES
	Unpredictability		Program ZC0DX_TESTCASE	Include ZC0DX_TES
	Unpredictability		Program ZC0DX_TESTCASE	Include ZC0DX_TES

Non-compliant code in APOD.

## EMPOWER THE TEAM

**Hawkeye APOD** helps developers improve their programming skills and conform to corporate guidelines.

Oversight alone is not the answer. APOD will help programmers effortlessly conform to corporate requirements, with easy access to documentation about each rule. The result? All code is consistent and all developers are aware of and can apply accepted best practices every day, all the time.

*Help the team easily adjust to rigorous and consistent coding expectations.*

## CONTROL THE PROCESS

**Hawkeye Transport Control** eliminates the guesswork, and the rework, when releasing transports.

Hawkeye Transport Control will help tech leads identify dependencies, errors, or quality issues before releasing transports. With Hawkeye Transport Control, each project team can set up automatic quality gates and understand exactly what needs to be done for a smooth release to your QA landscape.

*Make informed and precise decisions for each transport.*

CE Transport Control System

Transports to be released	Request	S1	S2	S3	S4	S5	Dependencies	Errors	Releas...
CEDK900621	0	0	1	1	0	0	0	0	
CEDK900627	2	2	3	1	0	1	0	0	

Dependencies listed below

Status	Transport	Dependent Request	Request/Task	Object
	CEDK900627	CEDK900629	CEDK900630	PROG-ZDEMO_TECH_LEAD2_TOP

Dependencies and coding errors in transports.



- ⇒ Improve reliability and performance of ABAP custom code
- ⇒ Stabilize production applications
- ⇒ Ensure compliance to corporate coding standards
- ⇒ Improve unit test coverage
- ⇒ Establish automatic quality gates
- ⇒ Eliminate issues when releasing transports
- ⇒ Ensure consistency across the landscape



## MONITOR THE LANDSCAPE

**Hawkeye Landscape Consistency** is a safeguard against configuration discrepancies in the landscape.

The last thing you want is to find out that some services are not available after you complete testing, release transports, and start QA. Hawkeye Landscape Consistency compares an identified reference system with all others in the landscape to uncover configuration issues that will hamper the development process.

The screenshot shows a software interface with tabs at the top: SAINT, SICF, SFWS, and TCODES. The main pane displays a list of service configurations. One specific entry is highlighted with a yellow background and a red border:

```

STA... SERVICES...
○○○ DEFAULT_HOST;/00000000;000000;0 ;;
○○○ DEFAULT_HOST;/cmom;00000000;000000;0 ;DEFAULT_HOST;/default_host/sap/bc/i
○○○ DEFAULT_HOST;/componentview;00000000;000000;0 ;DEFAULT_HOST;/default_hos
○○○ DEFAULT_HOST;/lndb;cmom;00000000;000000;0 ;DEFAULT_HOST;/default_host/sa
○○○ DEFAULT_HOST;/lndb;sync;00000000;000000;0 ;DEFAULT_HOST;/default_host/sap/
○○○ DEFAULT_HOST;/nwbc;00000000;000000;0 ;DEFAULT_HOST;/default_host/sap/bc/n
○○○ DEFAULT_HOST;/sap;00000000;000000;0 ;;
○○○ DEFAULT_HOST;/sap/bc;00000000;000000;0 ;;
○○○ DEFAULT_HOST;/sap/bc/abap;/00000000;000000;0 ;;

```

Below the list, a message reads: "Inconsistencies detected — missing services in P."

The screenshot shows a software interface with tabs: Branch Coverage, Procedure Coverage, and Statement Coverage. A table provides detailed coverage statistics:

Result Node	Total	Executed	Not Exec...	Percentage
✓	1079	145	934	13.44%
↳ HAWKEYE/CE_UNIT_TEST_MONITOR-CP	284	80	204	28.17%
↳ HAWKEYE/JUMP_COLLECTOR-----CP	714	3	711	0.42%
↳ HAWKEYE/UNIT_TEST_MONITOR	29	14	15	48.28%
↳ SAPLZTEST_FG	2	2	0	100.00%
↳ ZTEST -----CP	12	12	0	100.00%
↳ ZTEST	12	12	0	100.00%
• CONSTRUCTOR	3	3	0	100.00%
• METHOD1	5	5	0	100.00%
• METHOD2	2	2	0	100.00%
• METHOD3	2	2	0	100.00%
↳ ZTEST_RAJ	21	17	4	80.95%
• START-OF-SELECTION:00	21	17	4	80.95%
↳ ZTEST_RAI2	5	5	0	100.00%
• START-OF-SELECTION:00	5	5	0	100.00%
↳ ZTEST_RAJ3	12	12	0	100.00%

Inadequate unit testing.

## TIGHTEN UP UNIT TESTS

**Hawkeye Unit Test Monitor** helps all developers ensure that adequate testing is done before they release their work.

Using built-in SAP functions, Hawkeye Unit Test Monitor will monitor and provide developers and tech leads with access to code coverage statistics for all ABAP being built or modified. Too often, unit test cases miss important branches, procedures or methods. UTM will highlight exactly what was tested and what remains to be tested.

*It's not done until the code is adequately covered during the testing. Minimize costly mistakes in QA or production because of incomplete testing.*

## STABILIZE PRODUCTION

The newest addition to the **Hawkeye** product line, **Hawkeye Stabilization** provides a smart approach to optimize custom code to eliminate disruptive issues in production.

Co-developed with one of Canada's largest telecoms, this add-on will continuously monitor short dumps and performance issues in production to identify disruptive custom code.

*Have access to information for surgical and precise intervention to help improve performance and make custom code more reliable.*

CodeExcellence provides monitoring and transparency tools to help minimize risks in complex development environments.

Contact us for a free assessment of all your custom code.

[info@codeexcellence.com](mailto:info@codeexcellence.com)