QA approach in MeriVal
Description of new approach from Luxoft Krakow ODC

Last update 24 Oct 2016

LUXOFT

LXFT
LISTED
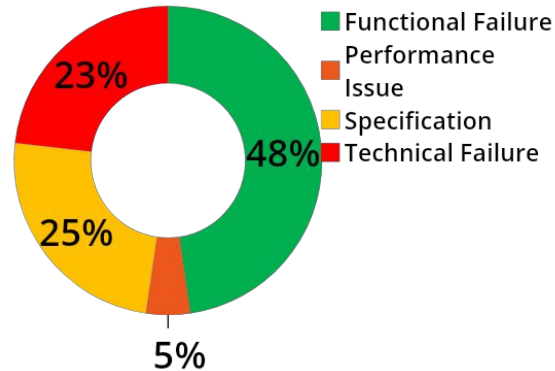NYSE

Agenda

▶ **The highlights of our presentation**

◆ "As Is" QA processes overview and ways to improve.

◆ Proposed best QA practices.

◆ Detailed description of artefacts and "To Be" state

Purpose of the meeting (STATEMENT)

▶ **Current approach**

- **Functional changes – 48% during UAT**

- **Spending time on fixing bugs VS spending time on proper test analysis**

By defect Type

Legend:
- ■ Functional Failure
- ■ Performance Issue
- ■ Specification
- ■ Technical Failure

48%
23%
25%
5%

Systematic approach

▶ **Same approach for all Quality Assurance tasks**

◆ Current experience:

No QA artifacts available

Each team has it's own approach to the test strategy (lack of standardization causes lack of guarantees of coverage)

Gaps in test coverage with current approach (PP28 – IFRS9)

Modules with incomplete E2E coverage (quaterly basis, separate functions etc.)

PP28 (IFRS9) EXAMPLE

▶ **Different approach**

◆ Challenging the current approach with best QA practices

    Test design techniques

    Flow chart

    Flow prioritization

    Working directly with the code (fitnesse debugging)

Action steps

▶ **Current challenge – PP28 development**

- Update and finalize the FlowChart for current part

- Create FlowChart for the rest of the module

- Create traceability matrix for main parts (IFRS7&IFRS9)

- Find the uncovered flows and create test cases

- Results of the investigation would be put into document

- Follow-up session (5-6 weeks)

Expected results

▶ **The exact results we would like to reach in new approach**

♦ Measure test coverage

♦ Significally reduce number of UAT defects in

♦ Share documents with results of investigation with effectiveness of new approach

THANK YOU