APPENDIX A

A.1 Questionnaire Items

Category 1: Questions on General Background

Item 1.1: What is your current working role? * (Required, Multiple choice)
Answer levels:
- Tester
- Test manager
- Other role cooperating with testers or test managers

Item 1.2: How many years have you been working in that role? * (Required, Multiple choice)
Answer levels:
- Less than 2 years
- 2 to 5 years
- More than 5 years

Item 1.3: Where is your department/unit located? * (Required, Multiple choice)
Answer levels:
- Estonia
- Finland
- Other: [Open text field]

Item 1.4: How many employees work in your department/unit? * (Required, Multiple choice)
Answer levels:
- Less than 20
- 20 to 49
- 50 to 99
- More than 100

Item 1.5: How many years has your department/unit existed? * (Required, Multiple choice)
Answer levels:
- Less than 2 years
- 2 to 5 years
- More than 5 years

Item 1.6: Within your company, do you have a separate test (or QA) organization that does testing? * (Required, Multiple choice)
Answer levels:
- Yes (branches to Item 1.6.1 )
- No

Item 1.6.1: Are you a member of that separate test (or QA) organization? * (Required, Multiple choice)
Answer levels:
- Yes
- No

Item 1.7: What of the following characteristics typically apply to your software? * (Required, Checkboxes, non-exclusive)
Answer levels:
- It is usability-critical (e.g., it has a complex GUI which is important for the end user)
- It has high security demand.
- It is performance-critical.
- It is safety-critical.
- None of above.

Category 2: Questions on Exploratory Testing (ET)

Item 2.1: Have you heard about ET? * (Required, Multiple choice)
Answer levels:
- Yes
- No

Item 2.2: Do you or (some of) your colleagues use ET? * (Required, Multiple choice) Depending on your answer choice, more questions will appear.
Answer levels:
- I use ET (branches to items 2.3 (a) to 2.10 )
- I don't use ET but (some of) my colleagues do (branches to item 2.3 (b) – skips items 2.4 to 2.10)
- I don't use ET and I don't know whether my colleagues do. (branches to item 2.3 (c) – skips items 2.4 to 2.10)
- I don't use ET and none of my colleagues do (branches to SQ 2.3 (c) – skips items 2.4 to 2.10)

Item 2.3 (a): Do you use the following testing approaches? If you do, how frequently do you use the approach with ET? * (Required, Multiple choice)
Answer categories:
- Unit Testing
- Integration Testing
- Regression Testing
- System Testing
- Smoke Testing
- Acceptance Testing
- Security Testing
- Usability Testing
- Performance Testing
- Automated Testing
Levels per answer category:
- No, I don't.
- Yes, I do, but I never use ET to support it.
- Yes, I do, and I use this approach with ET sometimes.
- Yes, I do, and I often use this approach with ET.
- Yes, I do, and I use this approach with ET always.

Item 2.3 (b): Do your colleagues use the following testing approaches? If they do, how frequently do they use the approach with ET? * (Required, Multiple choice)
Answer categories:
- (same list is in Item 2.3 (a))
Levels per answer category:
- No, they don't.
- I don't know whether they do it.
- Yes, they do, but they never use ET to support it.
- Yes, they do, and they use this approach with ET sometimes.
- Yes, they do, and they often use this approach with ET.
- Yes, they do, and they use this approach with ET always.
- Yes, they do, but I don't know whether they use ET for it.

Item 2.3 (c): How frequently do you use the following testing approaches? * (Required, Multiple choice)
Answer categories:
- (same list is in Item 2.3 (a))
Levels per answer category:
- Never
- Sometimes
- Often
- Always
Appendix of paper:

- I don’t know

Item 2.4: In your opinion, which of the following attributes are part of ET? * (Required, Checkboxes, non-exclusive)
Answer levels:
- ET has metrics
- ET has playbooks
- ET is time-boxed
- ET is session-based
- ET has a debriefing meeting
- ET has systematic coverage tracking
- ET has a mission statement or a charter
- ET has a defect log (or defect report/list)
- ET has a test log (recording of what was tested and/or how).
- Other: [Open text field]

Item 2.5: When do you typically use ET? * (Required, Multiple choice)
Answer levels:
- I use ET as one of the first test activities
- I use ET as one of the last test activities
- I use ET any time during testing

Item 2.6: Do you use tools that specifically support ET? * (Required, Multiple choice)
Answer levels:
- Yes (Please, list the tool(s)): [Open text field]
- No

Item 2.7: Do you agree or disagree with the following characterization of ET? * (Required, Multiple choice)
Answer categories:
- ET is easy to use
- ET supports creativity
- ET is focused (it's goal-oriented)
- ET makes testing interesting and engaging
- ET is flexible (can be used in many different test situations)
- ET is efficient (can find defects faster than other methods)
- ET is effective (can find defects which other methods would not).

Levels per answer category:
- Strongly disagree
- Disagree
- Neither agree nor disagree (balanced)
- Agree
- Strongly agree

Item 2.8: Please tell us why you like to use ET. (Up to 3 answers. Please order by priority) (Open text boxes, maximum 3 choices)

Item 2.9: Please tell us whether you see any disadvantage with using ET or any situation where you would not recommend using ET. (Up to 3 answers. Please order by priority) (Open text boxes, maximum 3 choices)

Item 2.10: Are you planning to change the way you currently apply ET in order to make it more effective/efficient? If so, please state what you plan to change. (Open text box)

Category 3: Follow-up activities

Item 3.1 Are you willing to provide additional information? If you agree to share your email address, please check 'Yes', otherwise check 'No'? * (Required, Multiple choice)

Item 3.2 Please leave your email address: * (Required, Only Emails allowed, open text field)

A.2 Mapping between Research Questions and Questionnaire Items
Table 1 shows how the questionnaire items map to the research questions listed in Section Error! Reference source not found.. Note that RQs 2, 3 and 4 use exclusively responses from respondents who said they are using ET (Item 2.2). Therefore, Item 2.2 is not explicitly stated in the mapping table in rows belonging to RQs 2, 3, and 4.

Table 1. Table captions should be placed above the table

<table>
<thead>
<tr>
<th>RQ</th>
<th>Sub-RQ</th>
<th>Questionnaire Item(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1</td>
<td>2.2</td>
<td>Do you (or some of your colleagues) use ET?</td>
</tr>
<tr>
<td>1.2</td>
<td>2.5</td>
<td>When do you typically use ET?</td>
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<td>2.6</td>
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<td>2.3(a)</td>
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<tr>
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<td>1.7, 2.3(a), 2.5, 2.6 + 1.3, 2.2</td>
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<td>2.2 + 1.3</td>
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<td>2.2 + 1.4</td>
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