When to Perform Test Process Improvement?

1. **Significant rise in bugs**
    - If the number of defects found in production or late testing stages is increasing, it indicates flaws in the current test process that need addressing.
2. **Increase in complexity (test management)**
    - When projects become more complex (e.g., multiple platforms, integrations), test management becomes harder. This complexity requires a more structured and efficient test process.
3. **Increase in involved resources**
    - As more people get involved in testing, coordination issues may arise. Improving the process ensures better collaboration and role clarity.
4. **Increase in time of testing**
    - If testing is taking longer than expected or delaying releases, it's a sign the process might be inefficient and needs optimization.
5. **Increase in testing costs**
    - Rising costs can be due to inefficiencies, redundancy, or lack of automation. Process improvement can reduce unnecessary expenses.
6. **Newer methods have arrived**
    - Adopting modern testing practices (like automated testing, CI/CD, exploratory testing) can improve efficiency and quality.
7. **Not retrospected for a long time**
    - Regular retrospection helps identify gaps and improvement areas. If it's been a while since the last review, it's time to assess and update the test process.

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