LEL - Features Workflow

This page describes the process for new features from business requirement to deployment to live for all systems in LEL: NMS, TMS, TPS, 3PL API V2, LGMS, WMS.

Note:

- OMS is not include in LEL anymore
- Some systems are developed by external supplier and don't follow this workflow (IMS, Inbound schedule tools, Drop-off portal...) (WIP)
- LMS has a different Release Workflow: Release and deployment process
- No staging, only showroom

Release Manager:

There's no Release Manager in LEL. The release manager for each system is the Team Lead and also some developers (back-up).
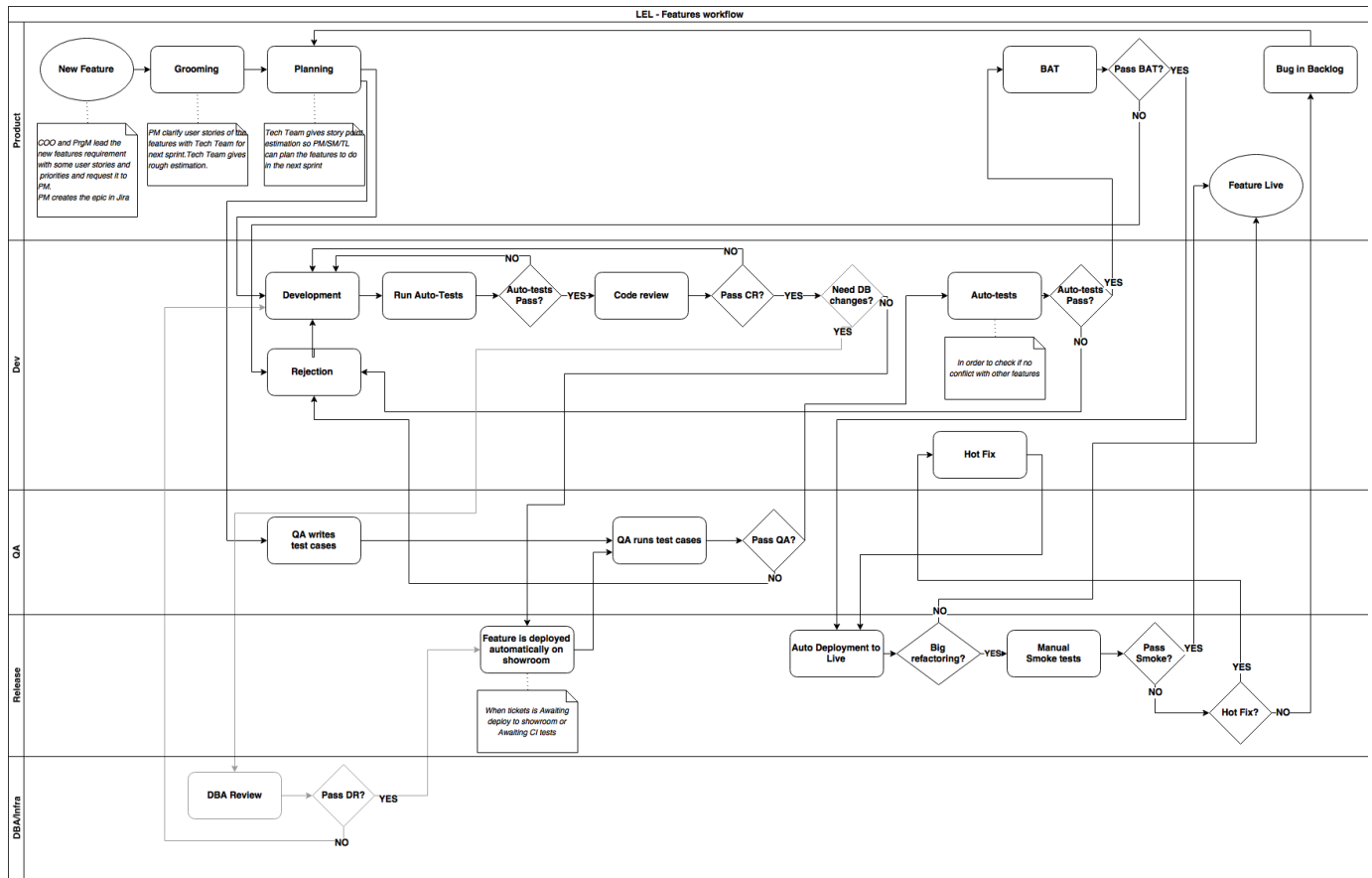
Terms definition:

Grooming : Feature clarification

Planning : Session to plan which feature will go into the next sprint and get team/ PM commitment on the next deliverable (Usually once every two weeks)

Auto tests : Automation test

BAT : Business acceptance test

Product

New Feature → Grooming → Planning

COO and PrgM lead the new features requirement with some user stories and priorities and request it to PM,
PM creates the epic in Jira

PM clarity user stories of this features with Tech Team for next sprint.Tech Team gives rough estimation.

Tech Team gives story points estimation so PM/SM/TL can plan the features to do in the next sprint

BAT → Pass BAT? — YES → Bug in Backlog
Pass BAT? — NO

Feature Live

Dev

Development → Run Auto-Tests → Auto-tests Pass? — YES → Code review → Pass CR? — YES → Need DB changes? — NO → Auto-tests → Auto-tests Pass? — YES
Auto-tests Pass? — NO
Need DB changes? — YES

Rejection

In order to check if no conflict with other features

Auto-tests Pass? — NO

Hot Fix

QA

QA writes test cases → QA runs test cases → Pass QA? — NO
Pass QA?

Release

Feature is deployed automatically on showroom

When tickets is Awaiting deploy to showroom or Awaiting CI tests

Auto Deployment to Live → Big refactoring? — YES → Manual Smoke tests → Pass Smoke? — YES
Big refactoring? — NO
Pass Smoke? — NO → Hot Fix? — YES
Hot Fix? — NO

DBA/Infra

DBA Review → Pass DR? — YES
Pass DR? — NO

Code Review

Description:

- Check that Code has been done correctly by following all best practises and technical requirements from the TL.
- The Code Review will be done by another Senior Developer or TL
- TL will check that the code Review has been done correctly

Code Review Policy:

The Code Review Queue and the TL approval queue need to be cleaned **everyday at 10:30AM** to make sure that the whole process flow is working correctly with no blocker.

DB REVIEW

Description:

- DBA need to approve all DB changes. Please check here the list of all DB changes that requires DBA approval: DB Activities Requiring DBA Review
- Dev have to describe the DB changes in the DB change description field in the JIRA ticket so DBA can check it easily
- Please be informed that also BI team is notified by this change in case it changes some BI queries.

DBA Review SLA:

- P0: Immediately
- P1:
    - 3 hours during office hours
    - After office hours 911 should prompt on-call duty
- P2 and P3: 72 hours

Deploy to showroom

When tickets status is :

- **Awaiting deploy to showroom**
- **Awaiting CI tests**

Tickets are automatically deployed to showroom.

Deploy to Live

When tickets status is :

- **Awaiting deploy to live**

TL (and later some developers) manually deploys to live. Deployment depends on Business request and priority.

WIP:

- checklist (Business sign-off, QA sign-off, no blocker...)
- Automated deployment to live

Release Policy

- Deployment to live cannot be done everyday after 5PM and on friday after 3PM, except P0 and P1 and special requests.
- No exception rules (WIP for skip QA, Deployment blocked by, DBA Review).
- QA sign-off (=pass QA) is required for all tickets but QA can be skipped with explanation in required comments (because of environnement stability or others reasons)
- Tickets cannot be deployed if:
    - "Deployment is Blocked by" issues
    - "Blocked by" issues

Tools and communication

- **NMS:**
    - **Slack channel: https://lzd.slack.com/messages/nms/**
    - **Slack channel for CI: https://lzd.slack.com/messages/nms_ci_cd/details/**
    - **Sprint:** https://jira.lazada.com/secure/RapidBoard.jspa?rapidView=868&projectKey=NMS&view=reporting&chart=sprintRetrospective&sprint=733
- **TMS:**
    - Slack Channel:
    - Slack channel for CI:
    - Sprint:
- **TPS:**
    - Slack Channel:
    - Slack channel for CI:
    - Sprint:
- **3PL API - V2**
    - Slack Channel:
    - Slack channel for CI:
    - Sprint:
- **LGMS:**
    - Slack Channel:
    - Slack channel for CI:
    - Sprint:
- **WMS:**
    - Slack Channel:
    - Slack channel for CI:
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