# RELEASE MANAGEMENT
# &
# PRODUCTION DEPLOYMENT

# Course Agenda

- ➢ Freeze & Release Process
- ➢ Rules for Release dates
- ➢ Test Enviroment
- ➢ Clearcase Labels
- ➢ Deployment To Test Environments
- ➢ Production Deployment
- ➢ Operational Document
- ➢ Pilot Run & Babysitting Period
- ➢ Production Deployment Request Tool

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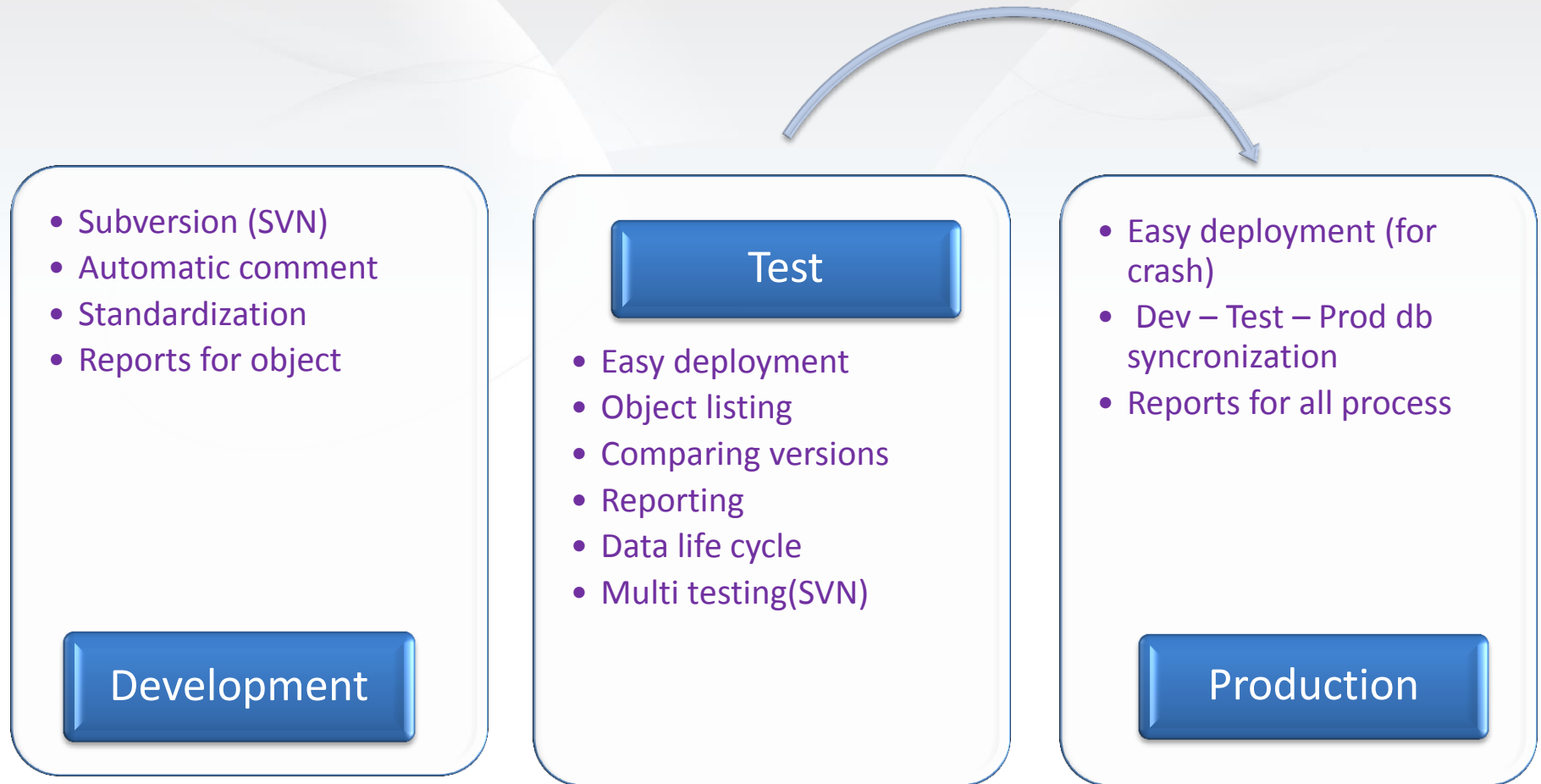EXCELLENCE

# Freeze & Release Process

**Freeze:**

- Projects that will be sent to production environment, be separated from other projects in the testing environment to another environment

**Release:**

- Freeze projects are deployed to production environment as a whole to be taken on a certain date.

# Steps of Release

- Subversion (SVN)
- Automatic comment
- Standardization
- Reports for object

**Development**

**Test**

- Easy deployment
- Object listing
- Comparing versions
- Reporting
- Data life cycle
- Multi testing(SVN)

- Easy deployment (for crash)
- Dev – Test – Prod db syncronization
- Reports for all process

**Production**

# Rules for Release dates

➢ It can not be one day before the Billing Process.

➢ It can not be on the day of the Billing Process.

➢ It can not be on the time interval that the Financial reporting is being done.

➢ The Release dates must be on idled time of the system

# Test Environment

**Stable**

• Environment that software development completed and ready for testing

**Prp**

• Environment that codes are freezed and ready for testing

**Bugfix**

• Defects in the production environment and need to be taken before the date of release (Critical and High) are taken and tested in the environment

# Clearcase Labels

Labels are associated with the Test and Production environments. It is decided with the help of the labels that which coding should be deployed to the environments.

There are 4 kinds of CC Labels:

- ✓ TO_UCCSTEST
- ✓ TO_UCCSPROD
- ✓ Frezee_X.YY
- ✓ Build_X.YY

# Deployment To Test Environments

## Criteria for Deployment to PRP

✓ Test Request ID with a status «*Ready to PROD*».

✓ Test Set that is associated with the Test Request ID.

✓ No Critical/High Test Defect that is associated with the Test Request ID.

✓ All the Test Cases on the Test Set must be Run.

✓ Min %90 of Test Cases on the Test Set must be successfully Passed.

✓ TO_UCCSPROD labels on the coding.

## PRP Deployment Request

➢ PRP Deployment Requests are being created separately for Application and Database Codings.

Following issues should be taken into account:

➢ Environment : TEST-PRP or TEST-BUGFIX

➢ Affected System : Application Server or Database

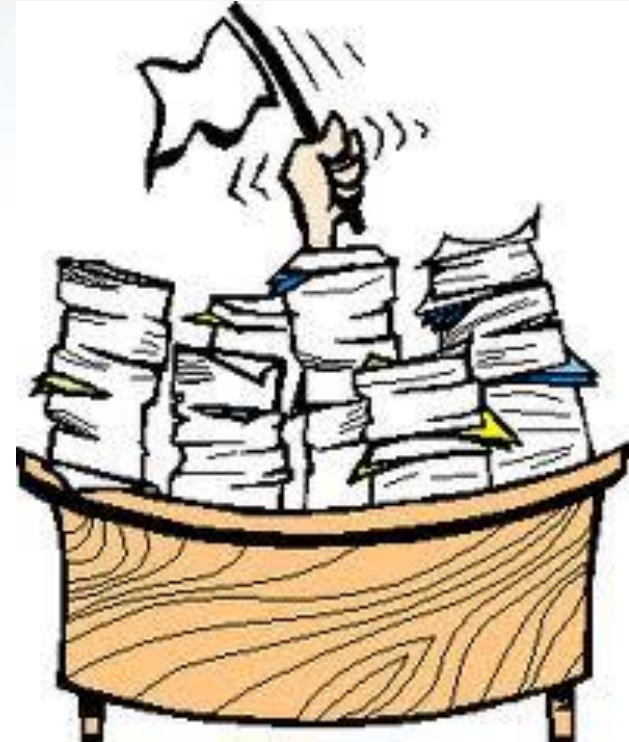➢ Production Date

➢ Test Request ID

# Production Deployment

Production Change Request is being created for the Projects that the testing process is susccessfully completed on PRP Test Environments.

# Which documents must be included?

- Analysis Document

- Technical Design Document

- Operational Document

- Test Execution Report

# Operational Document

An operational document must contain:

- Project information

- Information about the deployment items (where the codes are located in the source control)

- Migration Plan

- Rollback Plan

# Pilot Run

- **The Production Pilot Run** is the final stage. Each part and assembly is inspected to assure that the design specifications have been met. Product performance and functionality are tested to assure that your product performs and meets the design specifications

# User Acceptance

- **User Acceptance Testing** (UAT) is a process to obtain confirmation that a system meets mutually agreed-upon requirements.

# Babysitting Period

- **Babysitting** is an observation period for a specific timeline to ensure the system works correctly.



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# Production Deployment Request Tool

Getting help from a specialist tool is the best way to manage deployment requests properly.

The tool must consist of the following:

- Information about the project team
- Time and the contents of the deployment process
- Ability to add and update the documents
- Ability to handle defect tracing

# *THANKS...*