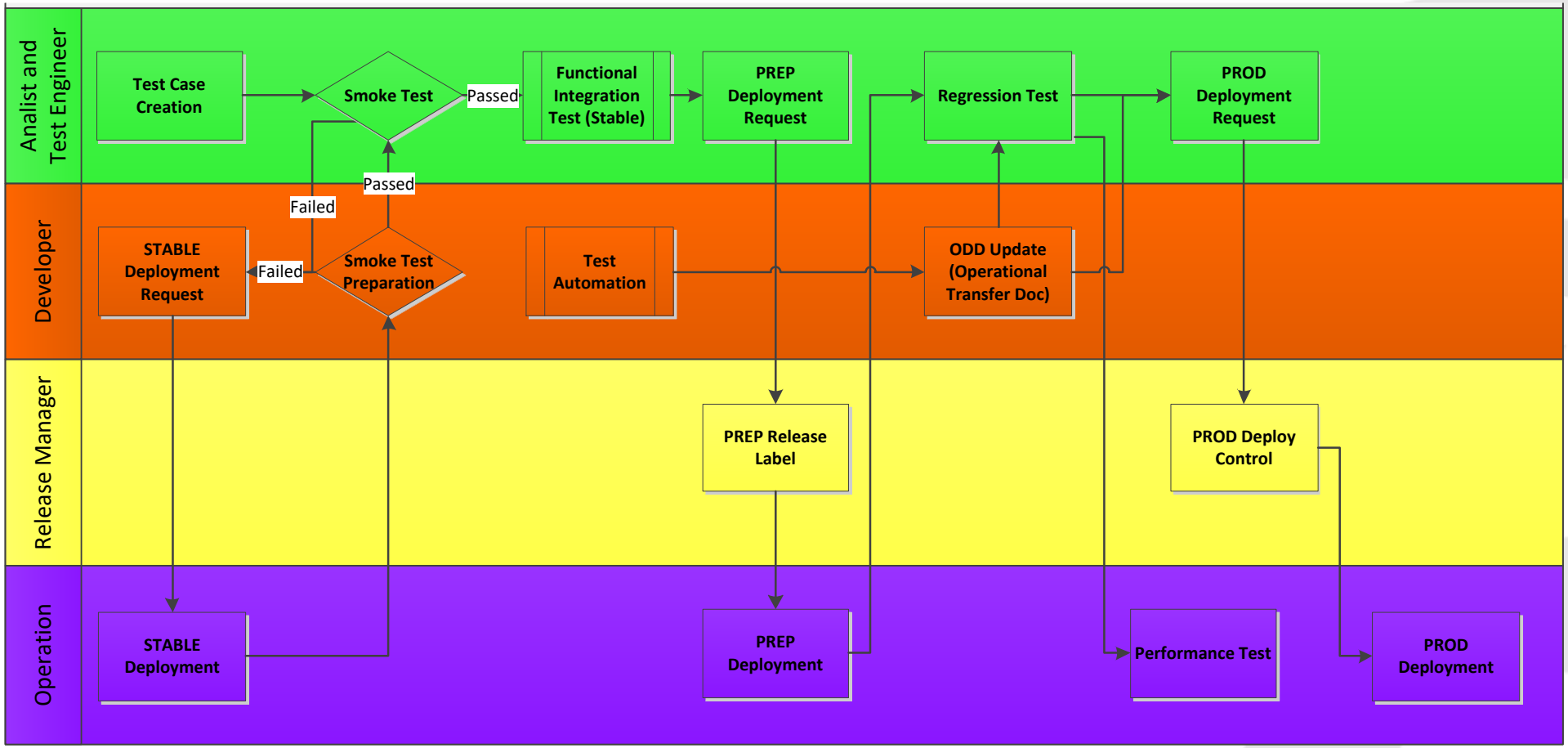
TURKCELL AKADEMİ

Test Deployment
Release Management
Production Control Processes

Agenda

- TEST MANAGEMENT
  - TEST ENVIRONMENT
  - TEST DEPLOYMENT
  - TEST and PRODUCTION LABELS
- RELEASE MANAGEMENT
  - RELEASE SCOPE
  - RELEASE PLANNING
  - TOOLS
- PRODUCTION CONTROLS
  - AFTER RELEASE CONTROLS
  - PRODUCTION DEFECTS MANAGEMENT

Test Management



Test Environments

Stable

- The environment where the developed software is deployed and application is ready for testing for the first time

Prp (Pre-Prod)

- Environment that contains the code which is tested and verified in stable environment. Codes are freezed and ready for regression testing

Bugfix

- Defects in the production environment that need to be fixed and deployed before the date of release (Critical and High) are deployed and tested in this special test environment

Test Deployment

What kind of things should be looked at after you have deployed a new system to the stable test environment?

Things to check:

- ✓ Check if it is deployed to correct folder or not
- ✓ Check that the source code paths are correct in Clearcase or SVN
- ✓ Check that the functional requirements are developed and test it for any bugs.
- ✓ Performance Issues (slow, crashes etc)

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

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 Codes.

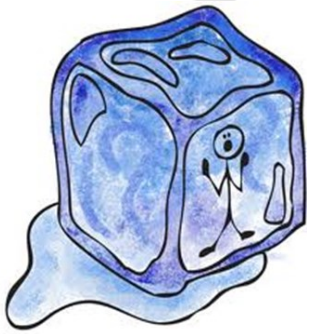
Following issues should be taken into account:

- Environment : TEST-PRP or TEST-BUGFIX
- Affected System : Application Server or Database
- Production Date
- Test Request ID

How…

LABEL : STB Test Environment Deployment

FREEZE : If all tests are complated successfully, codes are ready for Pre Production Environment



RELEASE : If Pre Production test executions are complated successfully, codes are ready for Production Developlent

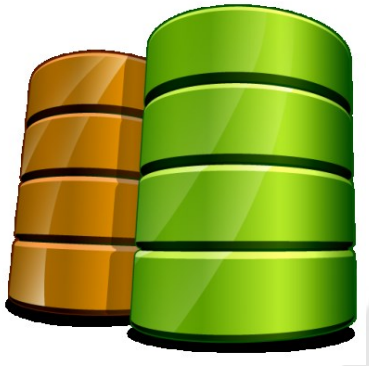
What is Release Management

Release management is the process of managing, planning, scheduling and controlling a software build through different stages and environments; including development, testing, deployment and support of software releases.

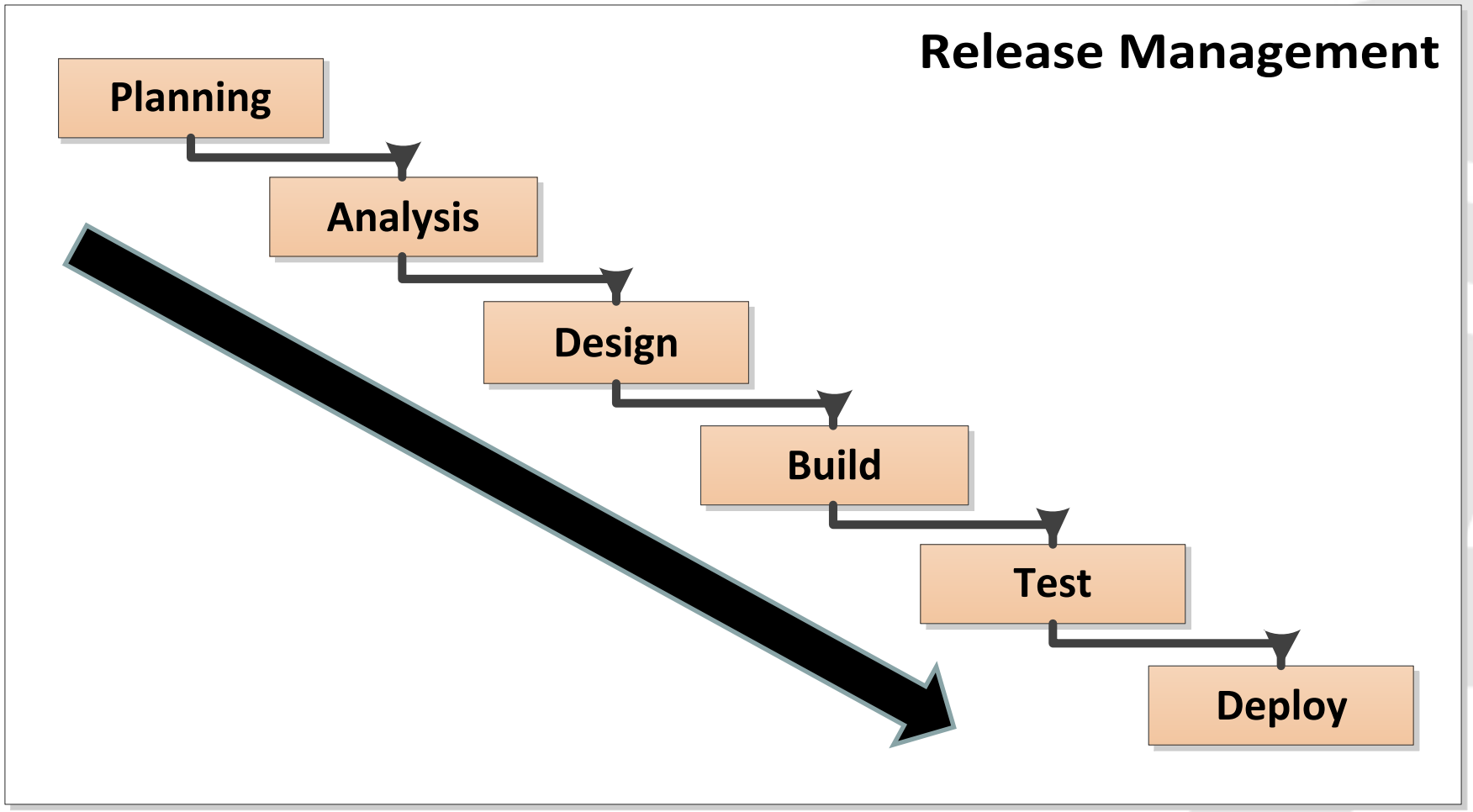
Our main scope is provide all software production deployments at the specific time for using by Turkcell internal and external business.

Release Management Content

	2014	2015	TOTAL
Application	273	358	631
Database	55	10	65

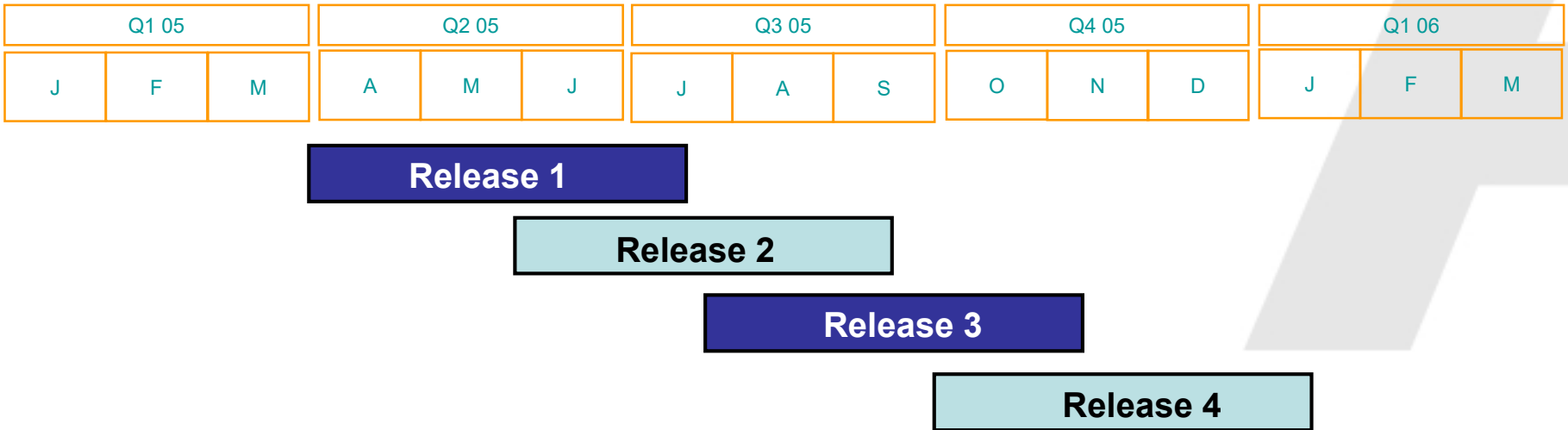


When...

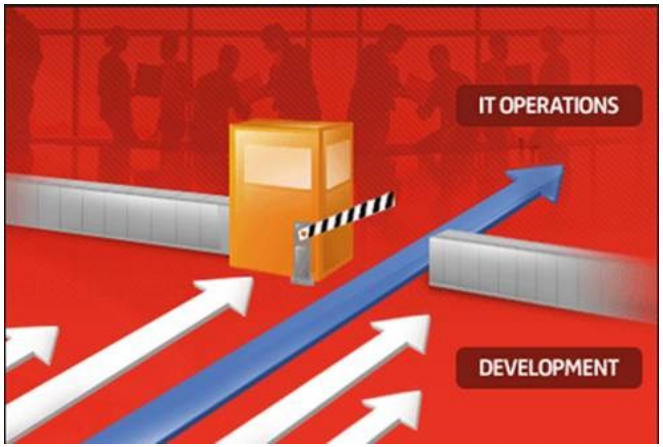

Release Management
Planning
Analysis
Design
Build
Test
Deploy

Release Planning

- Release contents & schedule
- Roll-out planning
  - Phasing over time and by geographical location, business unit and customers
  - Site surveys/audits
  - Obtaining quotes for new hardware, software or installation services
- Quality plan
- Back-out plans
- Acceptance criteria



Who…

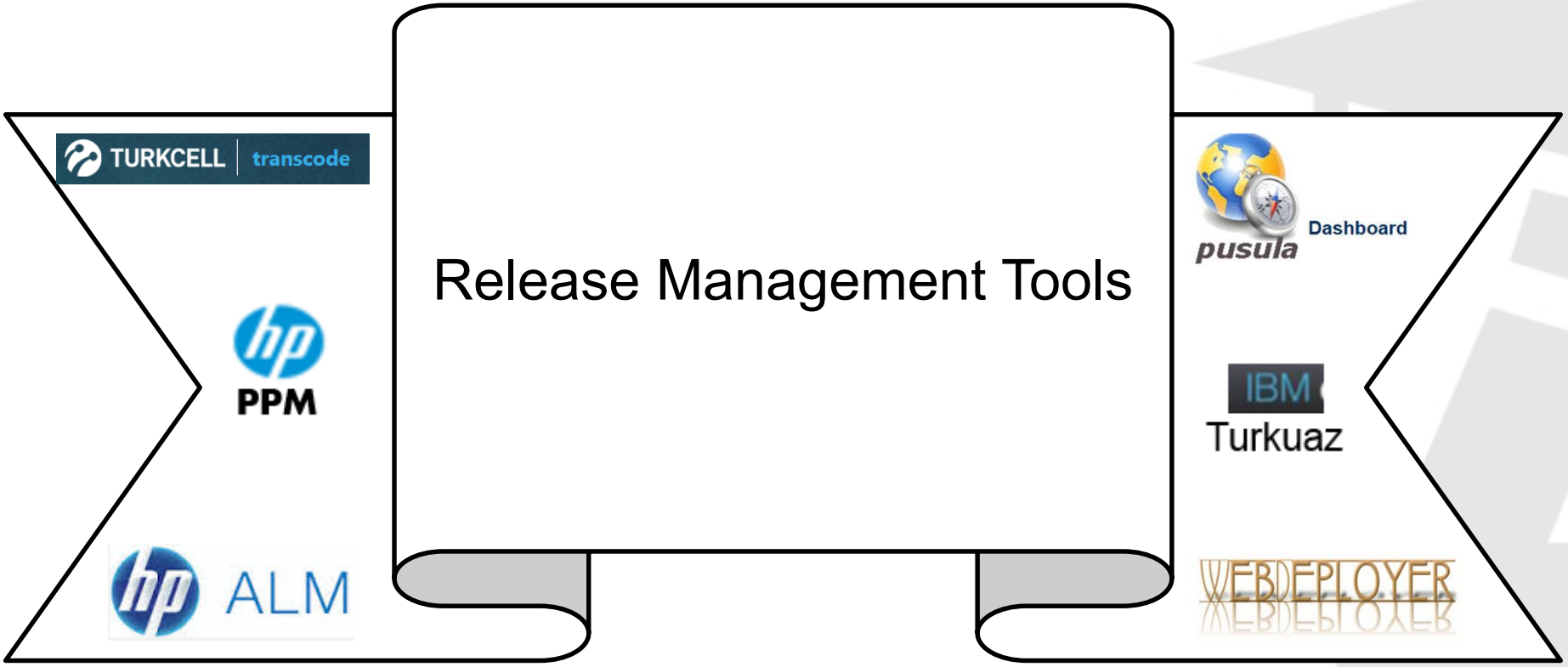


PRP Deployment	COMPLETED
Functional Test Complete	COMPLETED
Code Freeze	COMPLETED
Regression Test Complete	COMPLETED
Build	COMPLETED
Performans Test Complete	COMPLETED
GO/NOT GO	COMPLETED
Executive Approval	COMPLETED
RELEASE	COMPLETED

Why...

- Management to Large, major or critical Changes
- No risk deploy mistake’s
- %25 more productivity in build and relapse phases
- Eliminated duplicate and manual-intensive activities
- Increase Collaboration
- Mitigate Release Failure

Tools…


TURKCELL transcode
PPM
ALM
Release Management Tools
pusula
Dashboard
IBM
Turkuaz
WEBDEPLOYER

Project and Portfolio Management

TURKCELL AKADEMİ

Project and Portfolio Management Center

User: BAHAR BICER | Sign Out

Dashboard | Open | Search | Create | My Links | History | Help

Search menus or entities...

Dashboard - Delegations > Dashboard - AFL'si Olduğum İşler

AFL'si Olduğum İşler

Reset | Comments | Cycle | Export | Personalize

Analisti Olduğum Talepler

Proposal No	Proposal Name	Status	Category_old	Proposal Creator	Business Unit	Company
319591	Fatura Anasayfa – Fatura İşlemleri – ...	Rework Proposal	<Restricted>	MELIHA CERDIK	CONSUMER MARKETING	TURKCELL
319099	İade Ekranları Geliştirmeler	Fast Track Created	<Restricted>	OZLEM SIDIKA MIS	CUSTOMER SERVICES DG	TURKCELL
316468	FATURA İTİRAZ EKRANI BUG FIX	Fast Track Created	<Restricted>	OSMAN RESAT ALTINAY	CUSTOMER SERVICES DG	TURKCELL
308969	MAYA için Responsive Tasarım_RMC	Closed - Successful	<Restricted>	ZEHRA ERASLAN	CONSUMER SALES DG	TURKCELL
308159	Cusbilman Ekranlarına ait Hata Mesajl...	Fast Track Created	<Restricted>	OZGUR YILDIZ	INFORMATION&COMMUNICATION TECHNOLOGIES DG	TURKCELL
306350	KURUMSAL MAYA FATURA TABINDA GELİŞTİR...	Rework Proposal	<Restricted>	YAPRAK ARSLANBEK BAYRAKLI	TURKCELL KURUMSAL OPERASYONLAR	TURKCELL
305169	Smart Collection Write off fatura ind...	Fast Track Created	<Restricted>	LEVENT ADMIS	GROUP FINANCE DG	TURKCELL
300949	Smart Collection toplu fatura indirimi	Fast Track Created	<Restricted>	GONCA GUNDOGDU TUZUN	GROUP FINANCE DG	TURKCELL
293480	Faturam Hasatta İptal SMS Düzeltme	Fast Track Created	<Restricted>	SECIL OZDEMIR	CONSUMER MARKETING DG	TURKCELL
292556	Cusbilman property tanımlarının datab...	Fast Track Created	<Restricted>	UGUR INCE	INFORMATION&COMMUNICATION TECHNOLOGIES DG	TURKCELL

Export to Excel

Showing 1 to 10 of 62

AFL'si Olduğum Projeler

AFL'si Olduğum Projeler

Project No	Project Name	Status	Project Sponsor	Proposal Creator	Customer Functional Group	Company
309196	RMC -Responsive Design Kampanya ve Üc...	Project Monitoring & Evaluation	FATMA GULCIN ALICI GOKCE	ZEHRA ERASLAN	CONSUMER SALES DG	TURKCELL
287559	Kktcell IRCS	Project Monitoring & Evaluation	ALI GURLER	UGUR SERKAN TASKIN	INFORMATION&COMMUNICATION TECHNOLOGIES DG	TURKCELL

Application Lifecycle Management

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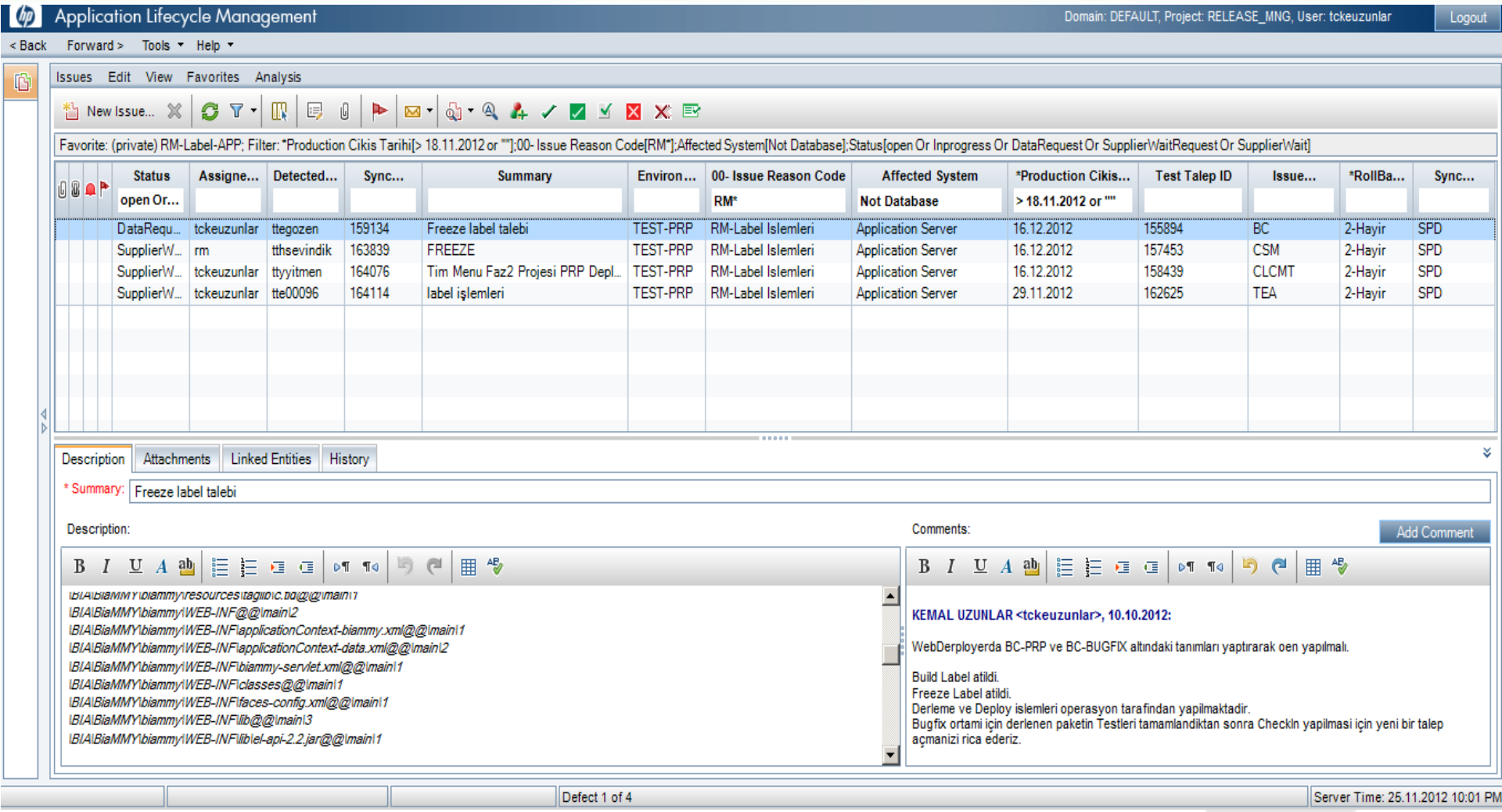


Webdeployer

Welcome, **KEMAL UZUNLAR** [LDAP User] - **TEST** Env Logout | Yardim | ASA

Web Deployer

- Database
- Application
  - Ab Initio
  - Deployment
  - Cruise Control
  - Freeze Operation
  - Checkin List
  - App Release Set
  - ClearCase Label
  - Weblogic Operation
  - Weblogic Envanter
- BO
- Release
- XEN TCloud
- Other
- Administration

WD Version 2.2.1

ClearCase Apply Label

```
\BIA\BiaMMY@@\main\2
\BIA\BiaMMY\.classpath@@\main\1
\BIA\BiaMMY\.project@@\main\1
```

» check »

Checked File List

File List(Ready To Apply Label)

File Path	ClearCase	Expected	Desc	Last Modification	
/BIA/BiaMMY	/main/2	/main/2	"Added directory element "com"."	01.09.2012 23:49:56	✖
/BIA/BiaMMY/.classpath	/main/1	/main/1		01.09.2012 23:49:53	✖
/BIA/BiaMMY/.project	/main/1	/main/1		01.09.2012 23:49:54	✖

Tester ttegozen **Issue ID** 159134 **Label** Build_3.11 Apply

Desc

TRANSCODE

TURKCELL AKADEMİ

TURKCELL | transcode

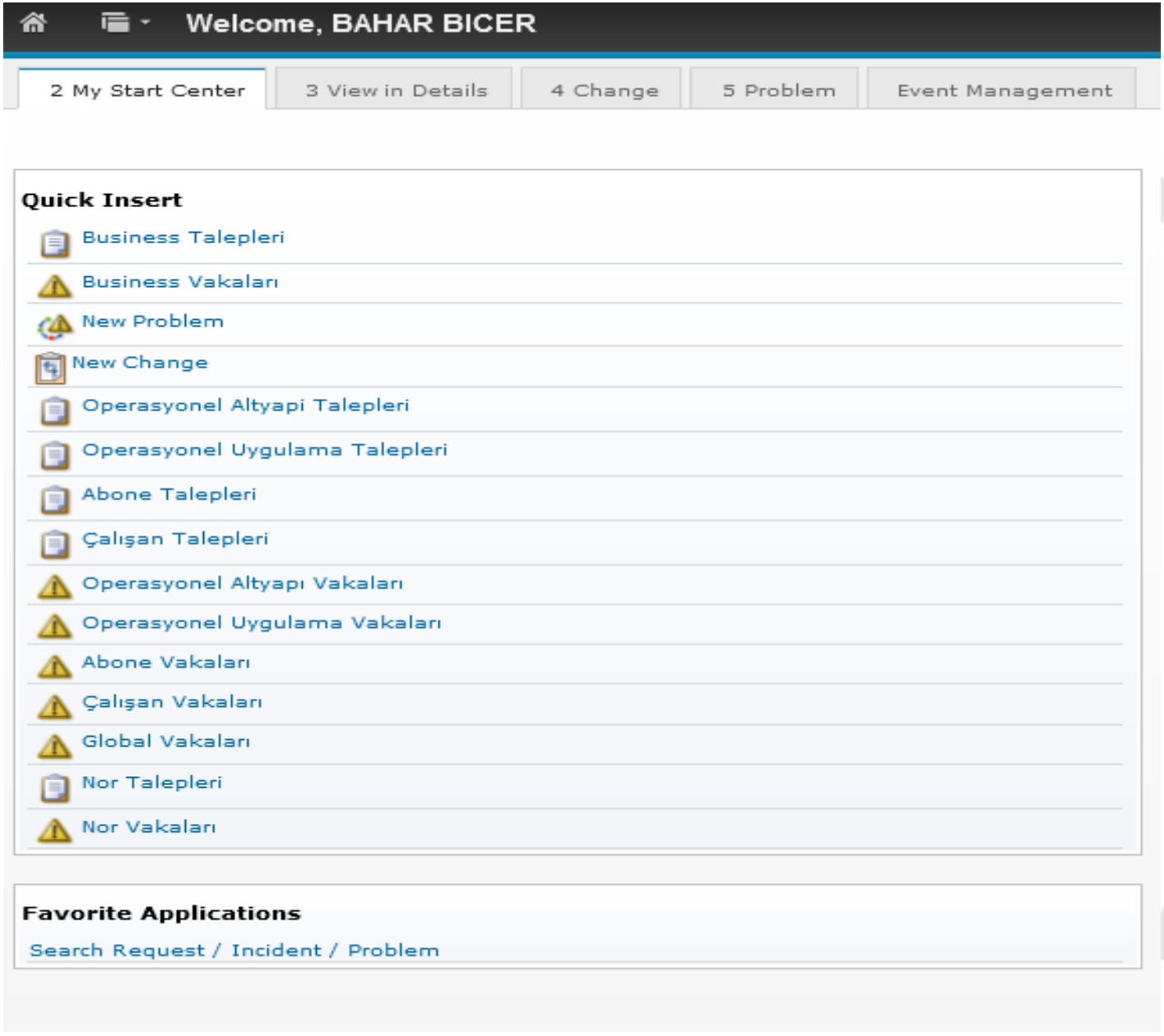
Rm Nöbetcisi | Eğitim Dökümanları TTGBAYRAMOGLU

| Welcome

Main | New DevRequest | DDF | ODD | Vendor Process | TrkzChange Request

Type	ID	DR ID	Description	DR Status	Turkuaz Id	Software Module	Dev	Test	Prp+Bugfix
Problem									
		318871 +	BugFix - ELP2242108	Ready to Deploy		0	0	0	0
		315859	BugFix - ELP2241289	Ready to Deploy		0	0	0	0
		315857	BugFix - ELP2241270	Ready to Deploy		0	0	0	0
Project/	283781								
		317694 +	MAYA Responsive Tasarım - Work Package - Autopilot servisleri	Ready to Deploy		0	0	0	0
Project/	288005								
		313733	Paylaşımlı tarifeye ek 3G tablet teklifleri - Work Package - CPCM	Ready to Deploy		0	0	0	0
Project/	289639								
		315455	NOKTA?nın Autopilot?laşması - Work Package - CRM2	Test		0	0	0	0
Project/	292559								
		320477 +	CENTRUM - Emptor Servis Kataloğunun CPCM?de Yapılandırılması - Work Package CPCM	Test		0	0	0	0
Project/	303736								
		304956	Rahat Paketler - MAYA Yetkili Ticki By Pass Kuralı - Work Package 1	Ready to Deploy		0	0	0	0
Project/	317519								
		317936 +	CPCM Tablolarına PK eklenmesi ve NODS'a alınması - Work Package 1	Ready to Deploy		0	0	0	0
Project/	319392								
		319587 +	SCM5 prosedurleri hata kodları - Work Package 1	Ready to		0	0	0	0

Turkuaz...


Welcome, BAHAR BICER
2 My Start Center
3 View in Details
4 Change
5 Problem
Event Management
Quick Insert
Business Talepleri
Business Vakaları
New Problem
New Change
Operasyonel Altyapi Talepleri
Operasyonel Uygulama Talepleri
Abone Talepleri
Çalışan Talepleri
Operasyonel Altyapı Vakaları
Operasyonel Uygulama Vakaları
Abone Vakaları
Çalışan Vakaları
Global Vakaları
Nor Talepleri
Nor Vakaları
Favorite Applications
Search Request / Incident / Problem

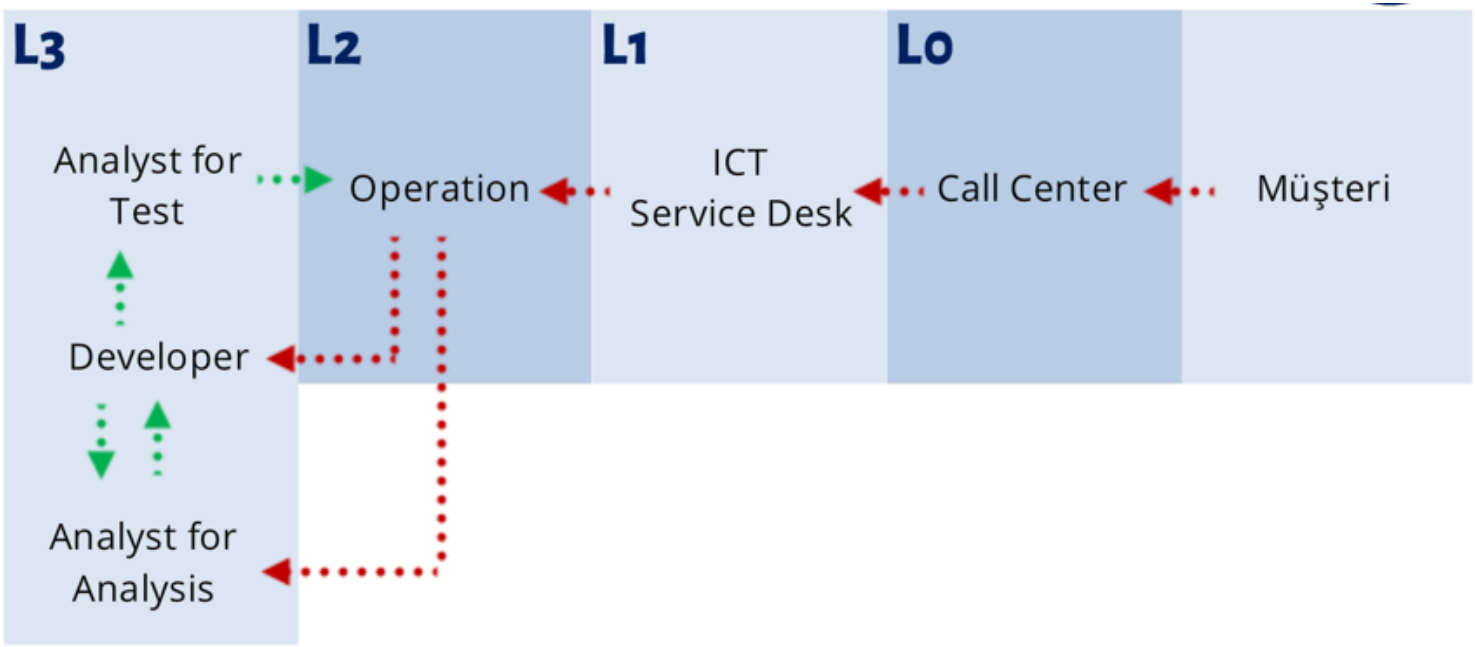
Production Control…

What kind of things should be looked at after you have deployed Production system?

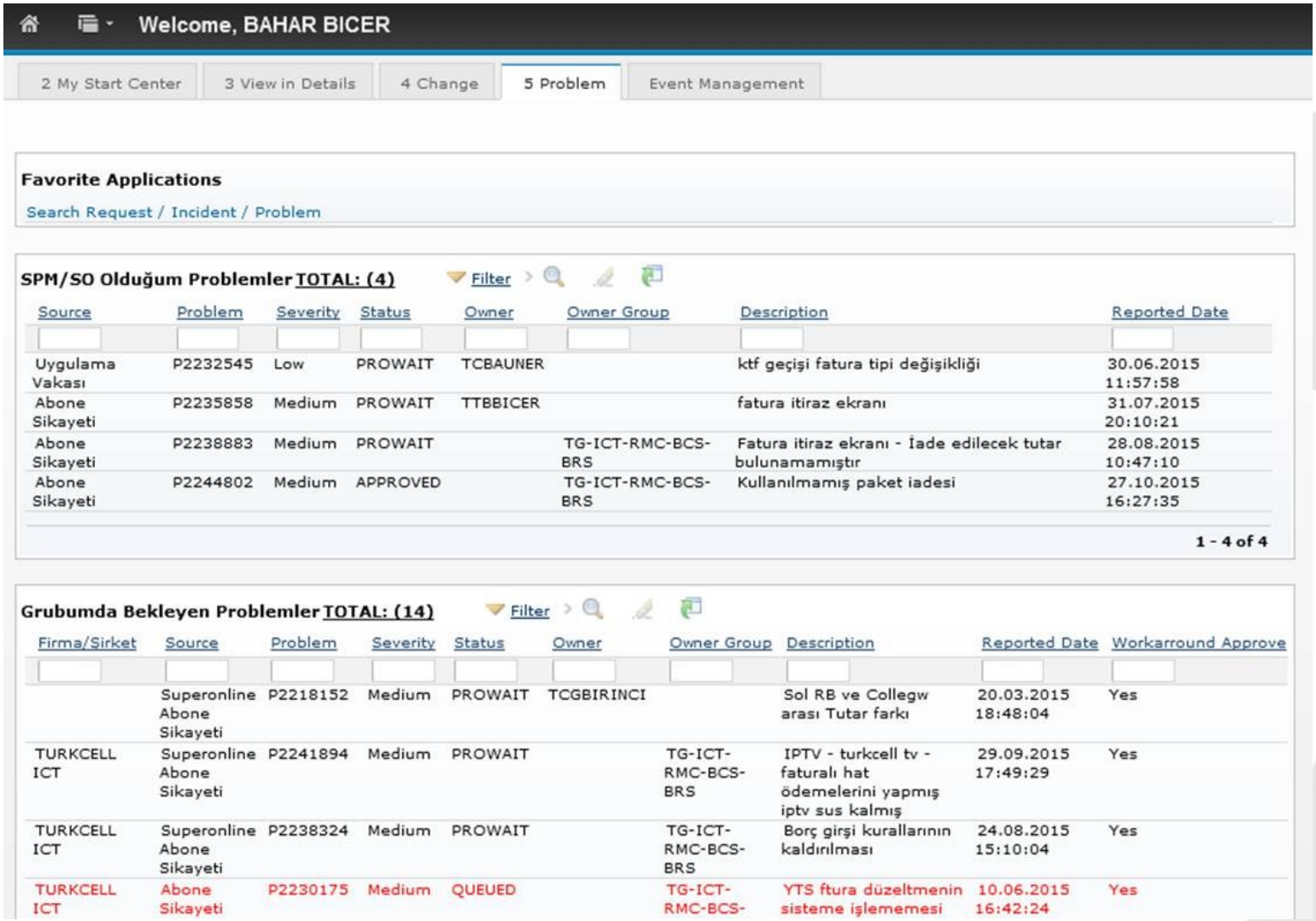
Things to check:

- ✓ Activity of monitoring and controlling to system by operation team.
- ✓ Activity of requirement testing by analyst.
- ✓ Activity of qui testing by operation team.

Production Defect Management



Production Defect Tool…



THANK YOU