

Test Deployment Release Management Production Control Processes



➤ TEST MANAGEMENT

- TEST ENVIRONMENT
- TEST DEPLOYMENT
- TEST and PRODUCTION LABELS

➤ RELEASE MANAGEMENT

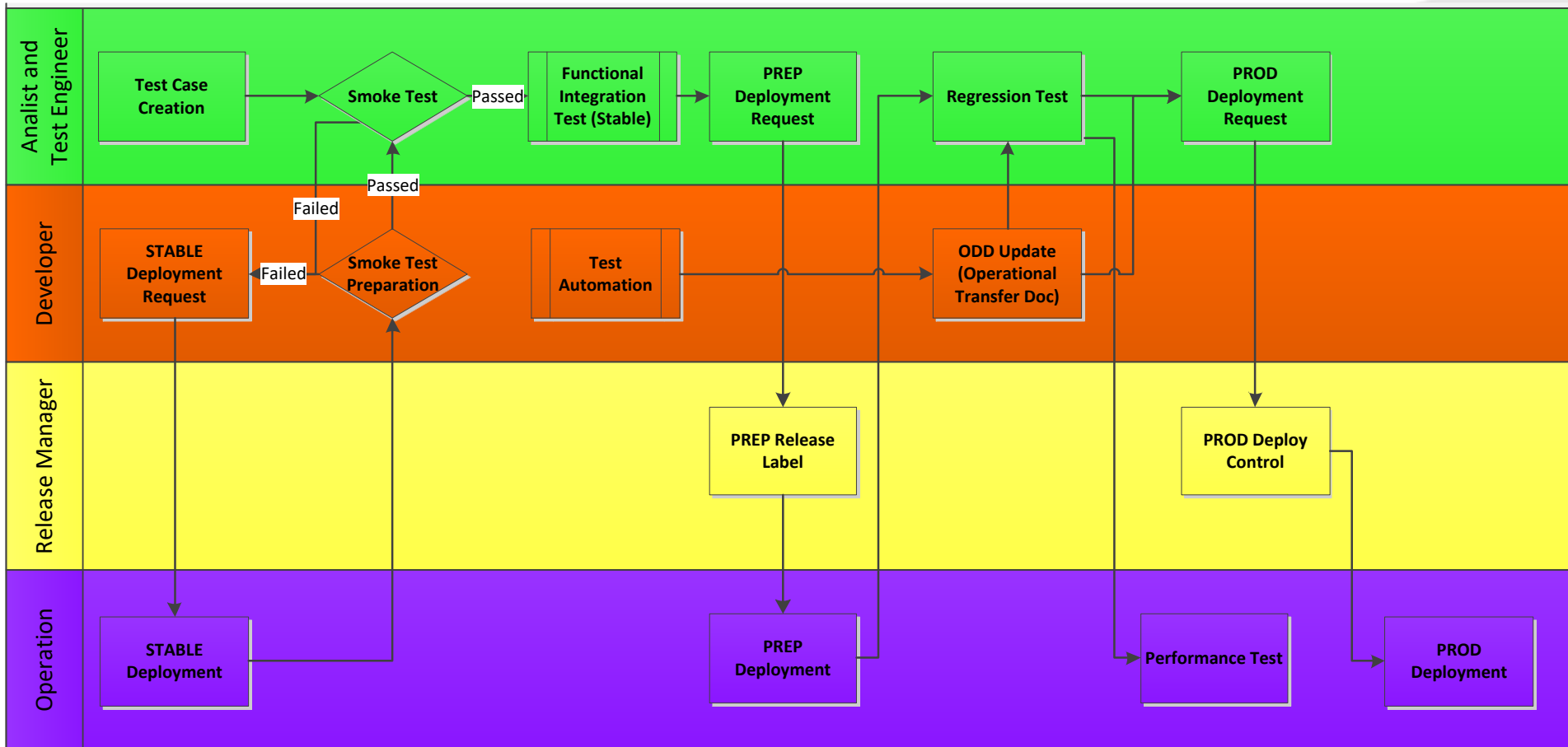
- RELEASE SCOPE
- RELEASE PLANNING
- TOOLS

➤ PRODUCTION CONTROLS

- AFTER RELEASE CONTROLS
- PRODUCTION DEFECTS MANAGEMENT



Test Management



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



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)

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
- ✓ Freeze_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

LABEL : STB Test Environment
Deployment



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



RELEASE : If Pre Production test executions are completed successfully, codes are ready for Production Development



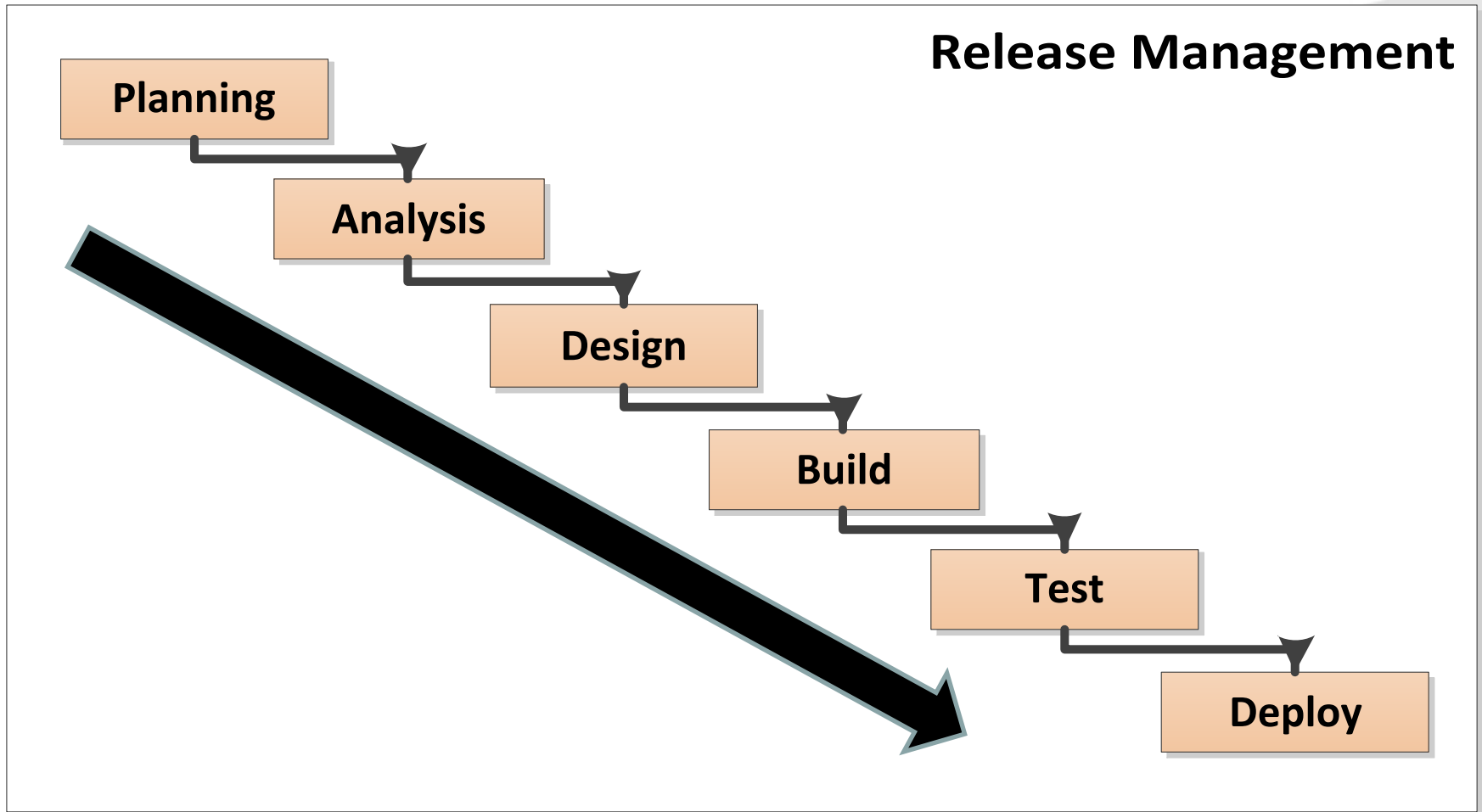
Release management is the process of managing, planning, scheduling and controlling a software build through different stages and environments; including development, testing, deployment and support of software releases.

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

Release Management Content

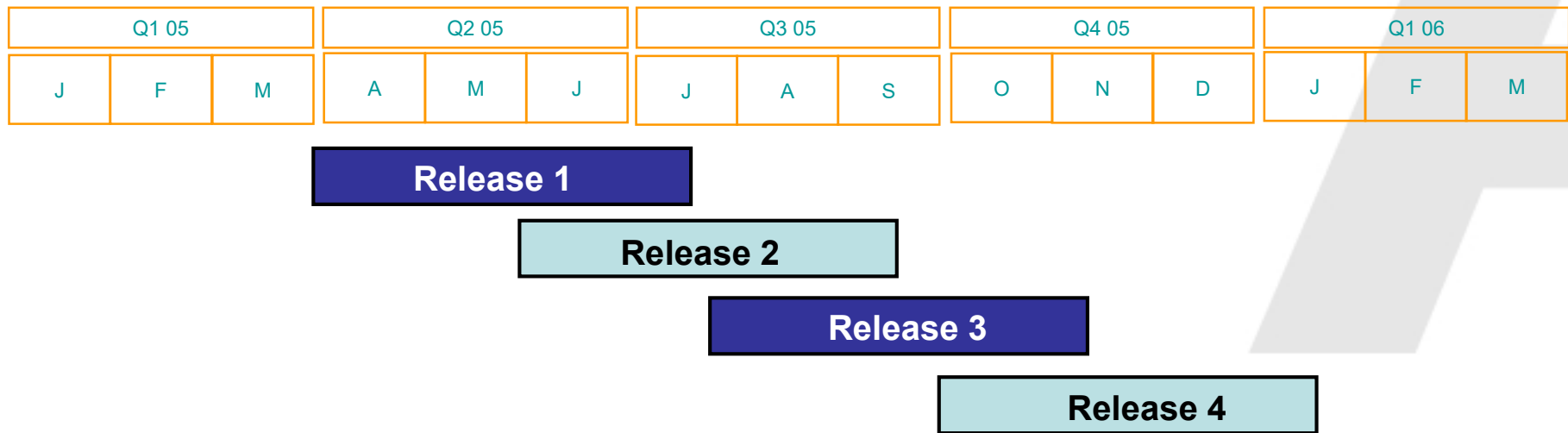
	2014	2015	TOTAL
Application	273	358	631
Database	55	10	65





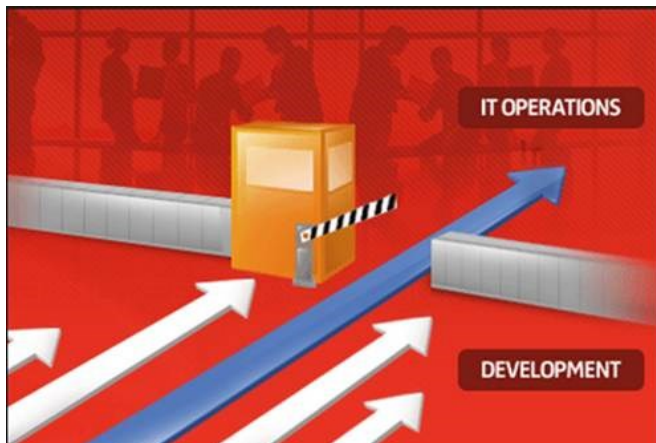
Release Planning

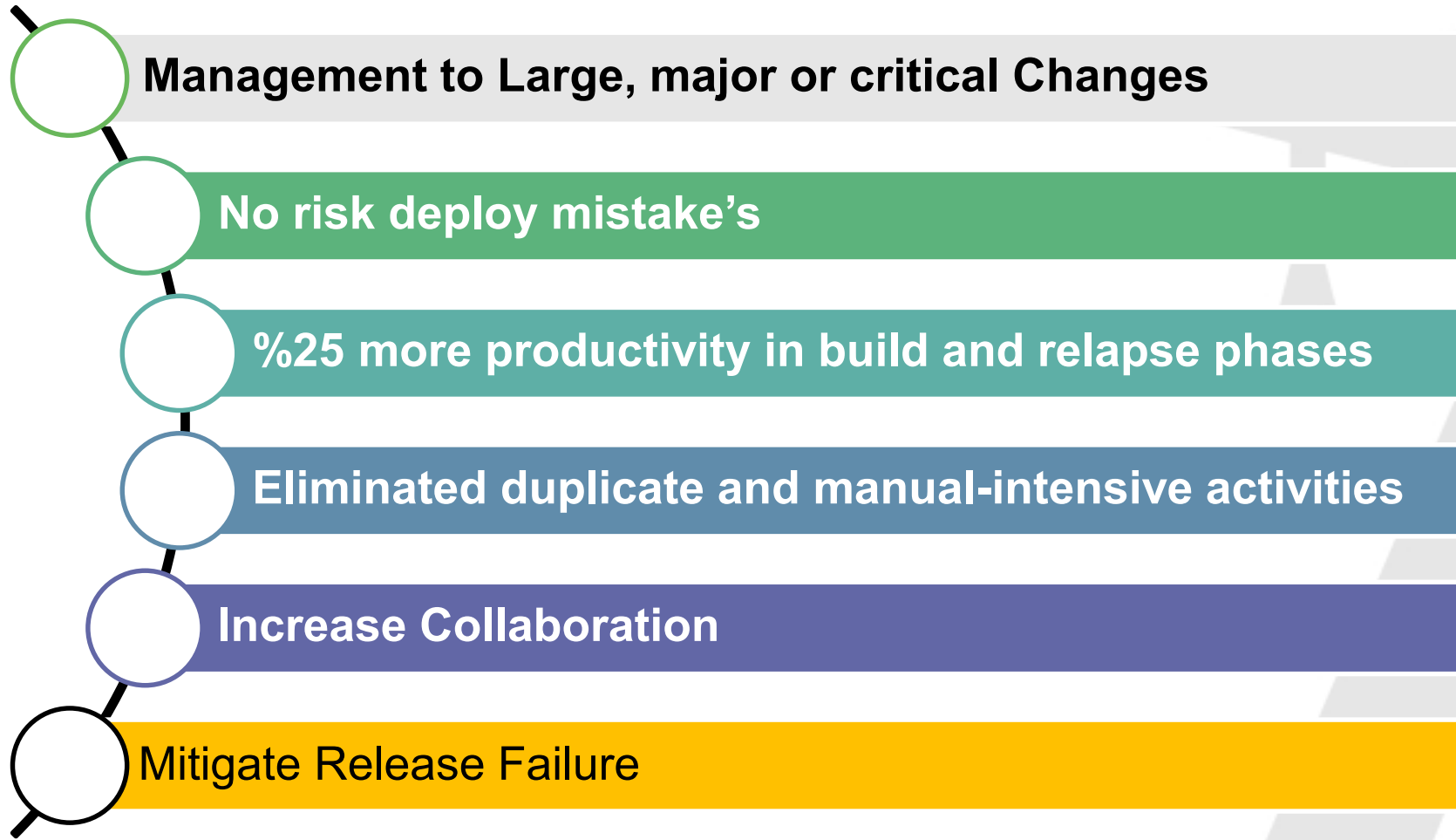
- Release contents & schedule
- Roll-out planning
 - Phasing over time and by geographical location, business unit and customers
 - Site surveys/audits
 - Obtaining quotes for new hardware, software or installation services
- Quality plan
- Back-out plans
- Acceptance criteria





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





Release Management Tools



Project and Portfolio Management



Project and Portfolio Management Center

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Dashboard - Delegations > Dashboard - AFL'si Olduğum İşler

AFL'si Olduğum İşler

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Analisti Olduğum Talepler

Proposal No ▼	Proposal Name	Status	Category_old	Proposal Creator	Business Unit	Company
319591	Fatura Anasayfa – Fatura İşlemleri – ...	Rework Proposal	<Restricted>	MELİHA CERDİK	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>	ZEHRRA 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 GUNDOGU DU TUZUN	GROUP FINANCE DG	TURKCELL
293480	Faturam Hasatta İptal SMS Düzeltme	Fast Track Created	<Restricted>	SECİL OZDEMİR	CONSUMER MARKETING DG	TURKCELL
292556	Cusbilman property tanımlarının datab...	Fast Track Created	<Restricted>	UGUR INCE	INFORMATION&COMMUNICATION TECHNOLOGIES DG	TURKCELL


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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 GULCİN ALICI GOKCE	ZEHRRA ERASLAN	CONSUMER SALES DG	TURKCELL
287559	Kktcell IRCS	Project Monitoring & Evaluation	ALİ GURLER	UGUR SERKAN TASKIN	INFORMATION&COMMUNICATION TECHNOLOGIES DG	TURKCELL

Application Lifecycle Management

 Application Lifecycle Management

Domain: DEFAULT, Project: RELEASE_MNG, User: tckeuzunlar [Logout](#)

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Issues Edit View Favorites Analysis

New Issue...












Favorite: (private) RM-Label-APP; Filter: *Production Cikis Tarihi[> 18.11.2012 or ""];00- Issue Reason Code[RM*];Affected System[Not Database];Status[open Or Inprogress Or DataRequest Or SupplierWaitRequest Or SupplierWait]

Status	Assigne...	Detected...	Sync...	Summary	Environ...	00- Issue Reason Code	Affected System	*Production Cikis...	Test Talep ID	Issue...	*RollBa...	Sync...
open Or...						RM*	Not Database	> 18.11.2012 or ""				
DataRequ...	tckeuzunlar	ttegozen	159134	Freeze label talebi	TEST-PRP	RM-Label Islemleri	Application Server	16.12.2012	155894	BC	2-Hayir	SPD
SupplierW...	rm	tttsevindik	163839	FREEZE	TEST-PRP	RM-Label Islemleri	Application Server	16.12.2012	157453	CSM	2-Hayir	SPD
SupplierW...	tckeuzunlar	tyyitmen	164076	Tim Menu Faz2 Projesi PRP Depl...	TEST-PRP	RM-Label Islemleri	Application Server	16.12.2012	158439	CLCMT	2-Hayir	SPD
SupplierW...	tckeuzunlar	tte00096	164114	label islemleri	TEST-PRP	RM-Label Islemleri	Application Server	29.11.2012	162625	TEA	2-Hayir	SPD

Description Attachments Linked Entities History

* Summary: Freeze label talebi

Description:

B I U A           

IBIA\BiaMMY\BiaMMY\resources\tag\ic.do@main1

IBIA\BiaMMY\BiaMMY\WEB-INF@main2

IBIA\BiaMMY\BiaMMY\WEB-INF\applicationContext-biaMMY.xml@main1

IBIA\BiaMMY\BiaMMY\WEB-INF\applicationContext-data.xml@main2

IBIA\BiaMMY\BiaMMY\WEB-INF\biaMMY-servlet.xml@main1












IBIA\BiaMMY\BiaMMY\WEB-INF\classes@main1

IBIA\BiaMMY\BiaMMY\WEB-INF\faces-config.xml@main1

IBIA\BiaMMY\BiaMMY\WEB-INF\lib@main3

IBIA\BiaMMY\BiaMMY\WEB-INF\lib\api-2.2.jar@main1

Comments: [Add Comment](#)

B I U A           

KEMAL UZUNLAR <tckeuzunlar>, 10.10.2012:
WebDeployerda BC-PRP ve BC-BUGFIX altındaki tanımları yapıtarak oen yapılmalı.

Build Label atıldı.
Freeze Label atıldı.
Derleme ve Deploy islemleri operasyon tarafından yapılmaktadır.
Bugfix ortami için derlenen paketin Testleri tamamlandıktan sonra Checkin yapılması için yeni bir talep açmanızı rica ederiz.

Defect 1 of 4

Server Time: 25.11.2012 10:01 PM



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

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

 | 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		<u>0</u>	0	0	0
		<u>315859</u>	BugFix - ELP2241289	Ready to Deploy		<u>0</u>	0	0	0
		<u>315857</u>	BugFix - ELP2241270	Ready to Deploy		<u>0</u>	0	0	0
Project/	283781								
		317694 +	MAYA Responsive Tasarım - Work Package - Autopilot servisleri	Ready to Deploy		<u>0</u>	0	0	0
Project/	288005								
		<u>313733</u>	Paylaşımlı tarife ek 3G tablet teklifleri - Work Package - CPCM	Ready to Deploy		<u>0</u>	0	0	0
Project/	289639								
		<u>315455</u>	NOKTA'nın Autopilot?laşması - Work Package - CRM2	Test		<u>0</u>	0	0	0
Project/	292559								
		320477 +	CENTRUM - Emptor Servis Kataloğunun CPCM?de Yapılandırılması - Work Package CPCM	Test		<u>0</u>	0	0	0
Project/	303736								
		<u>304956</u>	Rahat Paketler - MAYA Yetkili Ticki By Pass Kuralı - Work Package 1	Ready to Deploy		<u>0</u>	0	0	0
Project/	317519								
		317936 +	CPCM Tablolarına PK eklenmesi ve NODS'a alınması - Work Package 1	Ready to Deploy		<u>0</u>	0	0	0
Project/	319392								
		319587 +	SCME prosedürleri baha kodları - Work Package 1	Ready to		<u>0</u>	0	0	0

Home 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 Altyapi Vakaları
-  Operasyonel Uygulama Vakaları
-  Abone Vakaları
-  Çalışan Vakaları
-  Global Vakaları
-  Nor Talepleri
-  Nor Vakaları

Favorite Applications

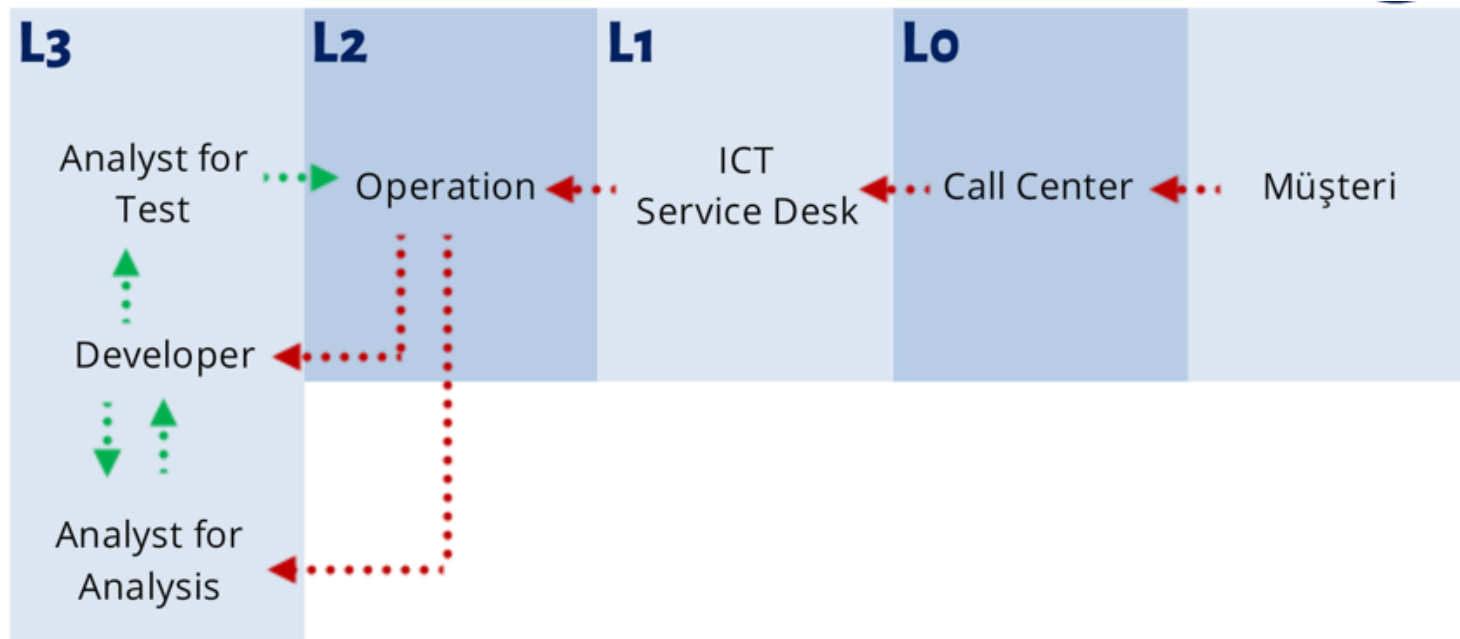
[Search Request](#) / [Incident](#) / [Problem](#)

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...



Welcome, BAHAR BICER





2 My Start Center
3 View in Details
4 Change
5 Problem
Event Management

Favorite Applications
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SPM/SO Olduğum Problemler TOTAL: (4)





Source	Problem	Severity	Status	Owner	Owner Group	Description	Reported Date
Uygulama Vakası	P2232545	Low	PROWAIT	TCBAUNER		ktf geçişi fatura tipi değişikliği	30.06.2015 11:57:58
Abone Sikayeti	P2235858	Medium	PROWAIT	TTBBICER		fatura itiraz ekranı	31.07.2015 20:10:21
Abone Sikayeti	P2238883	Medium	PROWAIT		TG-ICT-RMC-BCS-BRS	Fatura itiraz ekranı - İade edilecek tutar bulunamamıştır	28.08.2015 10:47:10
Abone Sikayeti	P2244802	Medium	APPROVED		TG-ICT-RMC-BCS-BRS	Kullanılmamış paket iadesi	27.10.2015 16:27:35

1 - 4 of 4

Grubumda Bekleyen Problemler TOTAL: (14)





Firma/Sirket	Source	Problem	Severity	Status	Owner	Owner Group	Description	Reported Date	Workaround	Approve
	Superonline Abone Sikayeti	P2218152	Medium	PROWAIT	TCGBIRINCI		Sol RB ve Collegw arası Tutar farkı	20.03.2015 18:48:04	Yes	
TURKCELL ICT	Superonline Abone Sikayeti	P2241894	Medium	PROWAIT		TG-ICT-RMC-BCS-BRS	IPTV - turkcell tv - faturalı hat ödemelerini yapmış iptv sus kalmış	29.09.2015 17:49:29	Yes	
TURKCELL ICT	Superonline Abone Sikayeti	P2238324	Medium	PROWAIT		TG-ICT-RMC-BCS-BRS	Borç girişi kurallarının kaldırılması	24.08.2015 15:10:04	Yes	
TURKCELL ICT	Abone Sikayeti	P2230175	Medium	QUEUED		TG-ICT-RMC-BCS-	YTS ftura düzeltmenin sisteme işlememesi	10.06.2015 16:42:24	Yes	

THANK YOU

