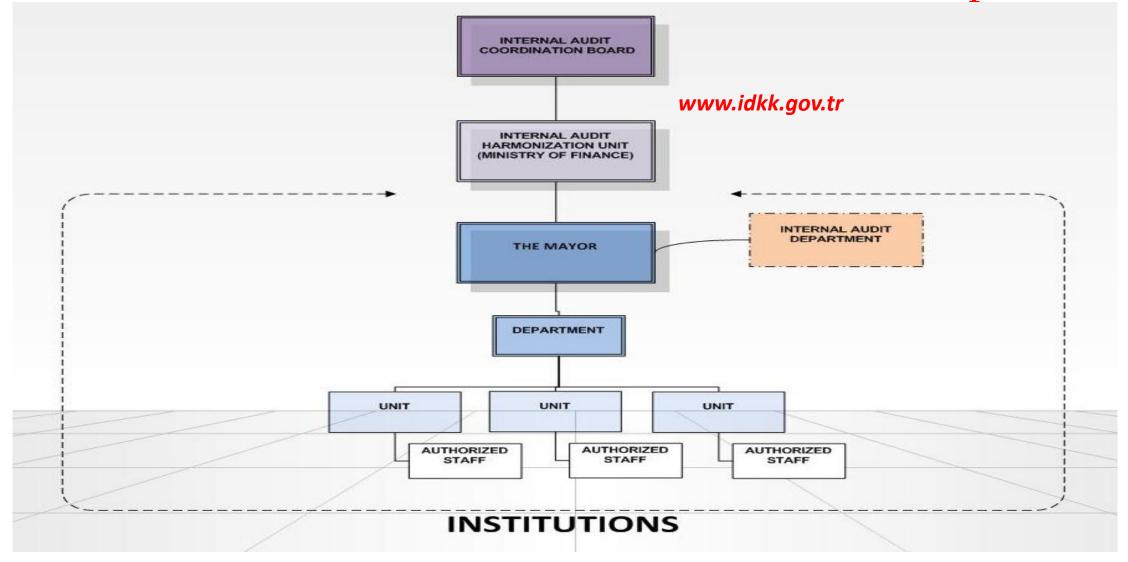
Using Audit Technology for Planning and Monitoring:



PUBLIC INTERNAL AUDIT SYSTEM TURKEY-Roles and Responsibilites





IZMIR & THE METROPOLITAN MUNICIPALITY



• Izmir, historically Smyrna, is in the western coast of Turkey and is the country's third largest city.

Area (the municipality is responsible for): 7.304 km² Population: 4,279,677 in 2017

- As a local government unit, *the foundation of Metropolitan Municipality of Izmir* dates back to 1867.
- As of today, there are 33 departments performing services such as transportation, construction, agriculture, health, social, financial, city planning etc.
- 141 directorates performing as a unit under these departments.
- There are about 12.016 employees working for municipality
- The fiscal budget is about 1 billion Euros for 2018.

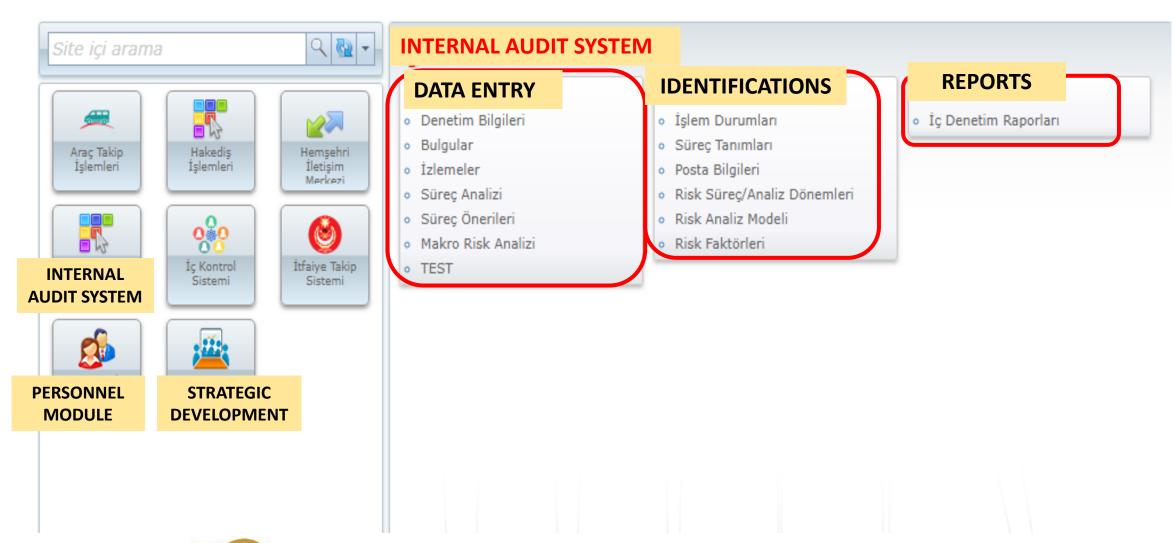


INTERNAL AUDIT PROGRAM MAIN MODULES



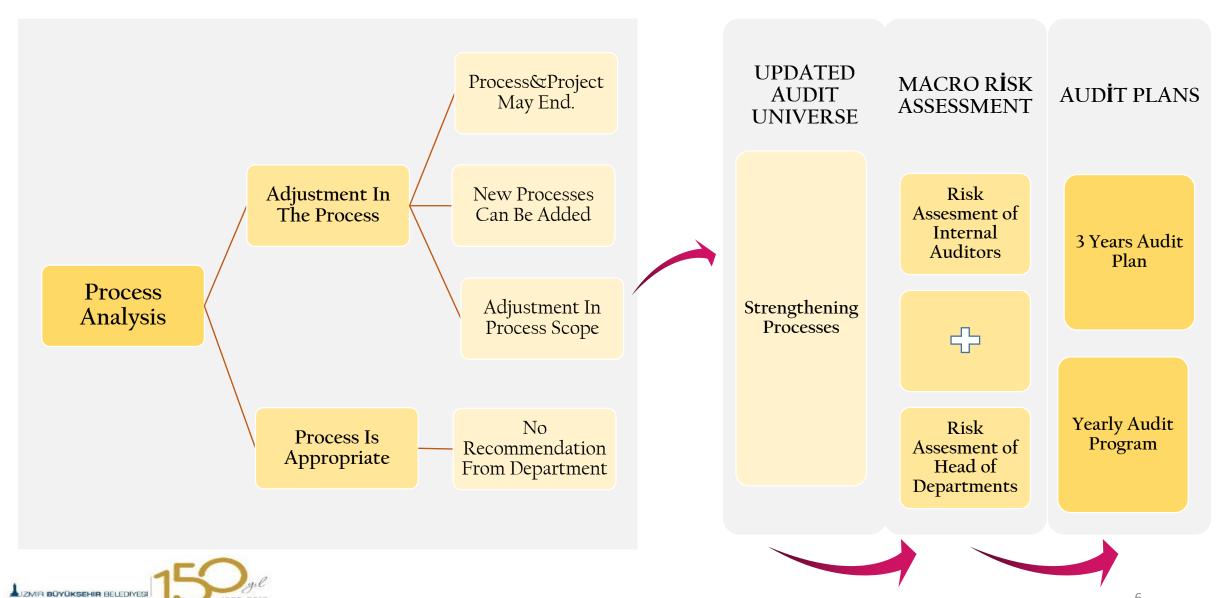
LIZMIR BÜYÜKŞEHIR BELEDIYESI

INTERNAL AUDIT SYSTEM HOME PAGE





PROCESS ANALYSIS



AUTHORIZATION- APPROVALS

Role-Based Authorization Approvals by Authorizations

Changed
Operation Status
Codes According
to Approvals





- Manager of Unit
- Head of Department
- Internal Auditor
- Head of Internal Audit Department

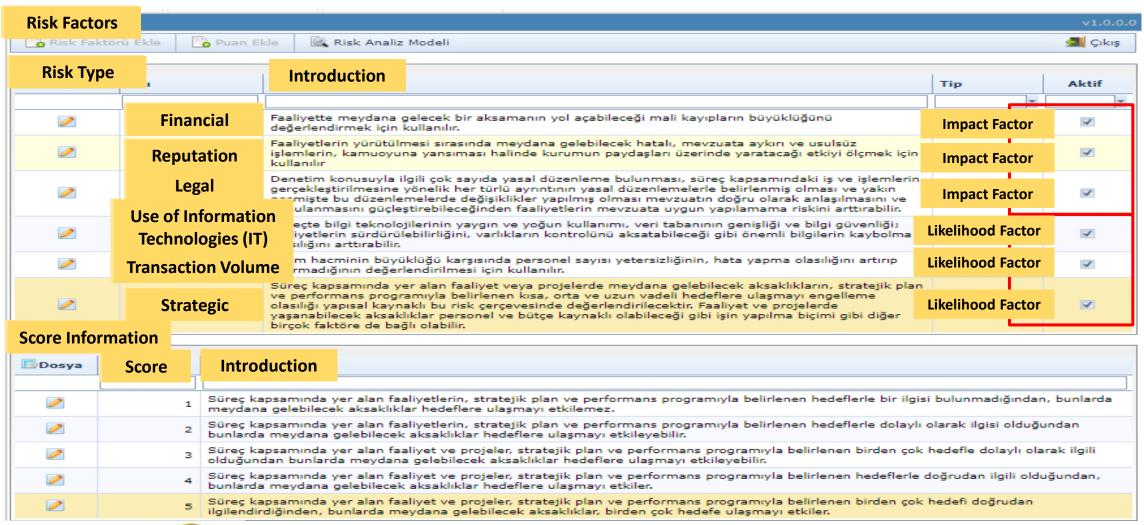
Authorization based approval process according to workflow

Operations that occur depending on each approval can be tracked with defined status codes.



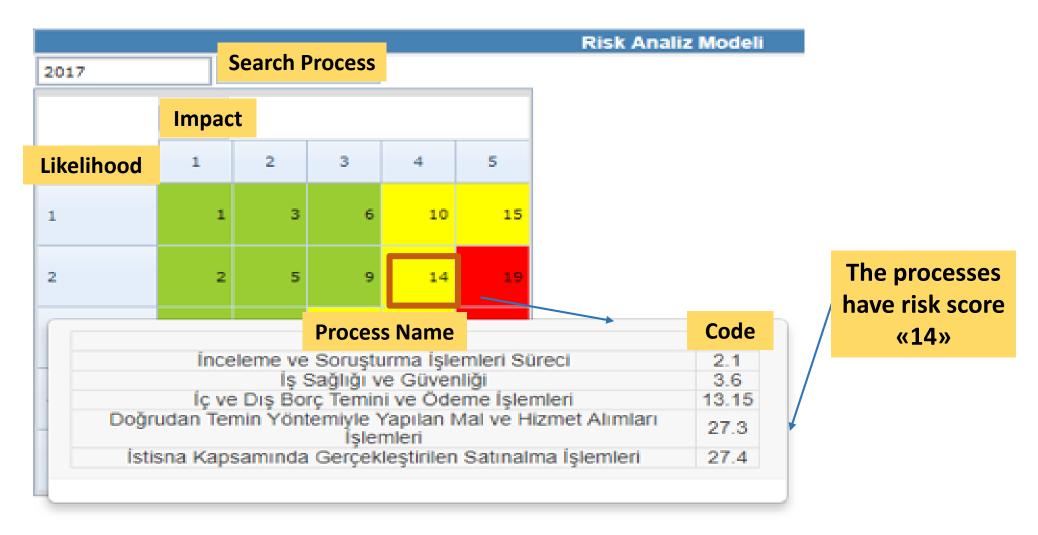


RISK FACTORS IDENTIFICATION



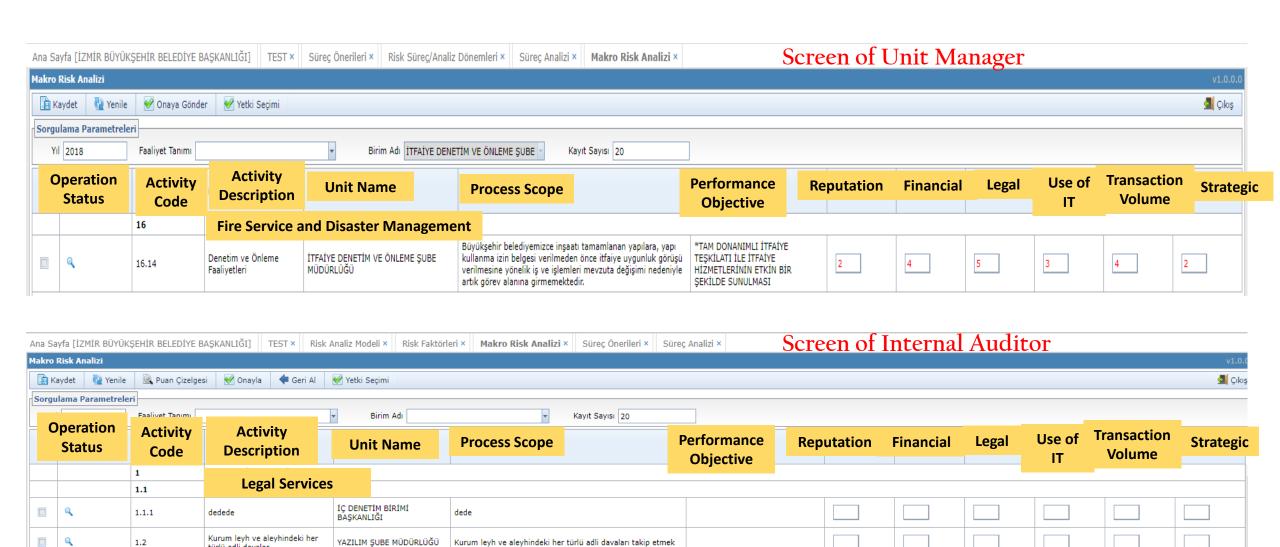


RISK ANALYSIS MODEL





MACRORISKASSESSMENT-Unit's and Auditor's Screen

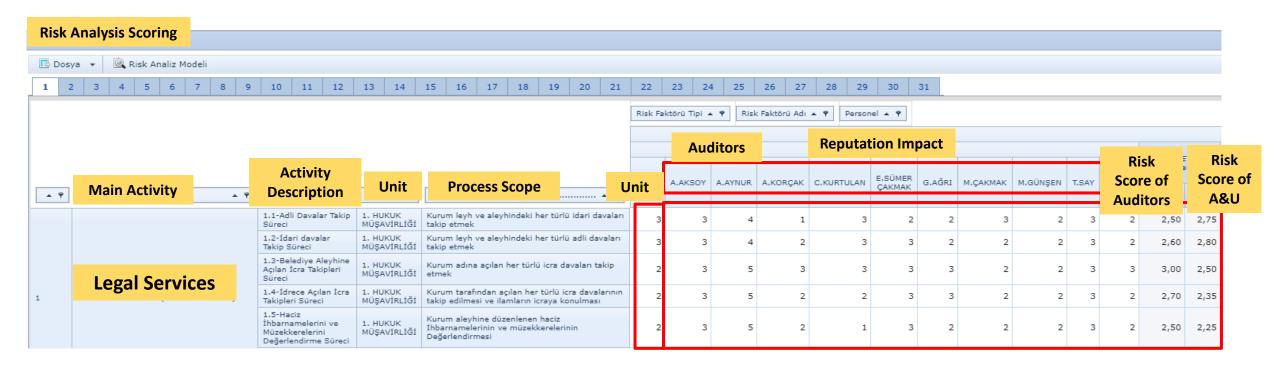




MACRO RISK ASSESSMENT-Calculation

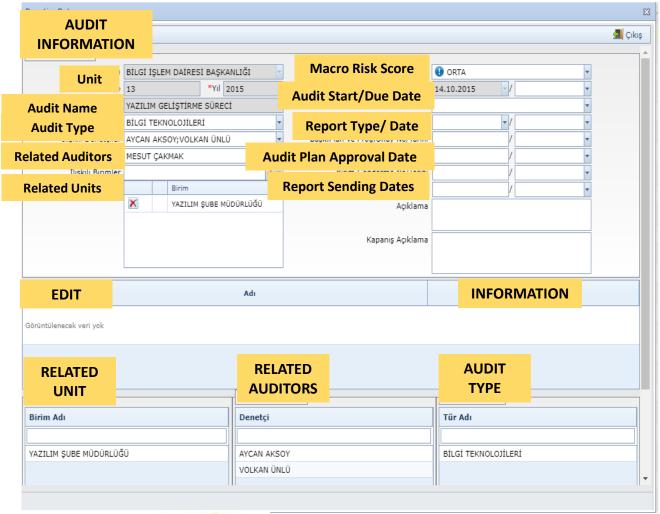
AIZMIR BÜYÜKŞEHIR BELEDIYESI

1868-2018



	aliz Puar sya ▼	Ri	sk Anal	liz Mode	eli																												4	Çıkış
1	2 3	4	5	6 7	8	9	10 1	11 12	13 14	4 15 16	17	18 1	9 20	21 22	23	24				29 30	31													Fii
				Info hnol			n			İŞL	OLASILIK EM HACMİ	FAKTÖRLI	ERÍ				ransa Volu	me					STRA	ATEJÍK RÍSK						Strate		OLASILIK Topla	PUANI	Ri
İNŞEN	T.SAY	V.ÜNLÜ		Toplam TÇİ R		BİRİM	A.AKSOY	A.AYNUR	A.KORÇAK	C.KURTULAN	E.SÜMER ÇAKMAK	G.AĞRI	M.ÇAKMAK	M.GÜNŞEN	T.SAY	V.ÜNLÜ	Topl DENETÇİ ORT		BİRİM	A.AKSOY	A.AYNUR	A.KORÇAK	C.KURTULAN	E,SÜMER ÇAKMAK	G.AĞRI	M.ÇAKMAK	M.GÜNŞEN	T.SAV	V.ÜNLÜ	Topla DENETÇİ ORT		DENETÇÎ ORT		Sc
2	2	1	1	1,80	2,40	3	2	3	3	2	2	2	4	3	3	1	2,50	2,75	2	2	2	1	. 1	1	2	2	2	2	1	1,60	1,80		2	9
2	2	1	1	1,80	2,40	3	2	4	3	2	2	2	4	3	3	1	2,60	2,80	2	2	2	1	. 1	1	2	2	2	2	1	1,60	1,80		2	9
									1	1	2	2	4	3	3	2	2,20	2,10	2	2	4	1	. 1	1	2	2	2	2	1	1,80	1,90		2	9

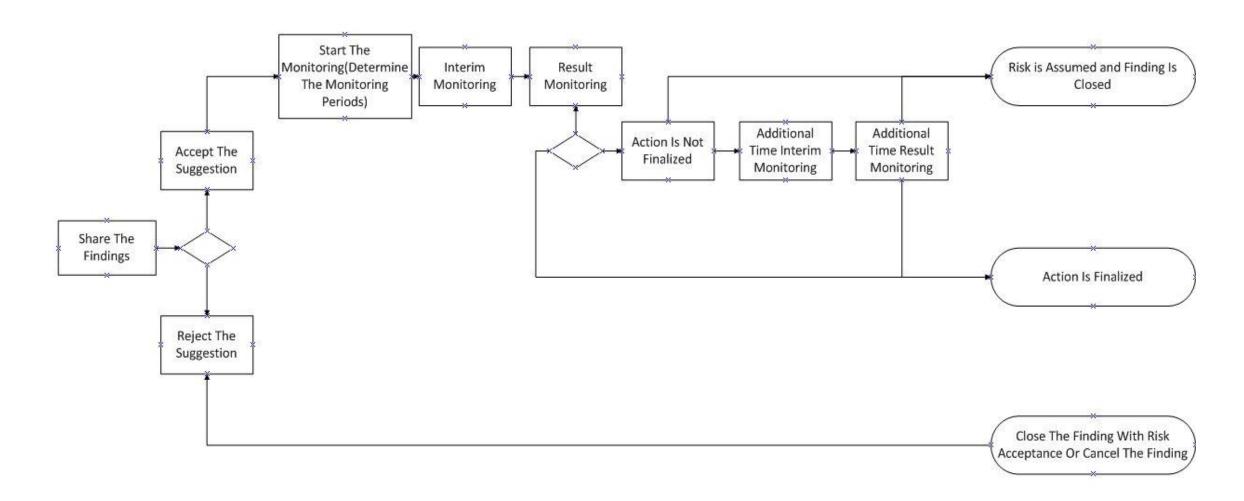
AUDIT INFORMATION SCREEN and AUDIT SELECTION



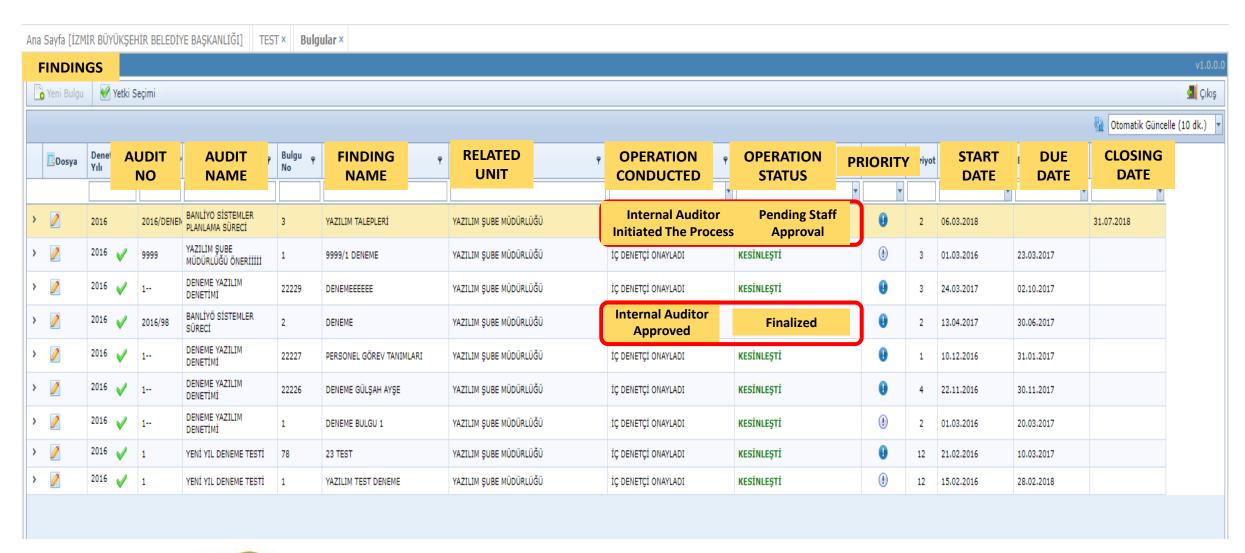
Denet	tim Seçimi							X
#	_	AUDIT AUDI NO YEAI			AUDIT NAME	UNIT	AUDIT START DATE	enetim Bitiş Ta
Ŷ	19	03	2015	NUR	İ	BİLGİ İŞLEM ŞUBE MÜDÜRLÜĞÜ	03.08.2015	
(∀ 1 2016		DEN	EME YAZILIM DENETİMİ	YAZILIM ŞUBE MÜDÜRLÜĞÜ	01.03.2016		
Ŷ	€ 2016/99 2016		BAN	LİYÖ SİSTEMLER	BANLİYÖ SİSTEMLERİ ŞUBE MÜDÜRLÜĞÜ	27.10.2016		
•	№ 2016/98 2016		BAN	LİYÖ SİSTEMLER SÜRECİ	BANLİYÖ SİSTEMLERİ ŞUBE MÜDÜRLÜĞÜ	27.10.2016		
•			BAN	LİYÖ SİSTEMLER	BANLİYÖ SİSTEMLERİ ŞUBE MÜDÜRLÜĞÜ	02.11.2016		
Ŷ	₩ 2016/DENEME 2016		2016	BAN SÜR	LİYO SİSTEMLER PLANLAMA ECİ	BANLİYÖ SİSTEMLERİ ŞUBE MÜDÜRLÜĞÜ	13.12.2016	
Ŷ	99	99	2016		ILIM ŞUBE MÜDÜRLÜĞÜ Rİİİİ	YAZILIM ŞUBE MÜDÜRLÜĞÜ	01.03.2016	
Sayfa	1 / 1 (7 öġ	je) 🔇 <mark>1</mark>	0					



MONITORING PROCESS

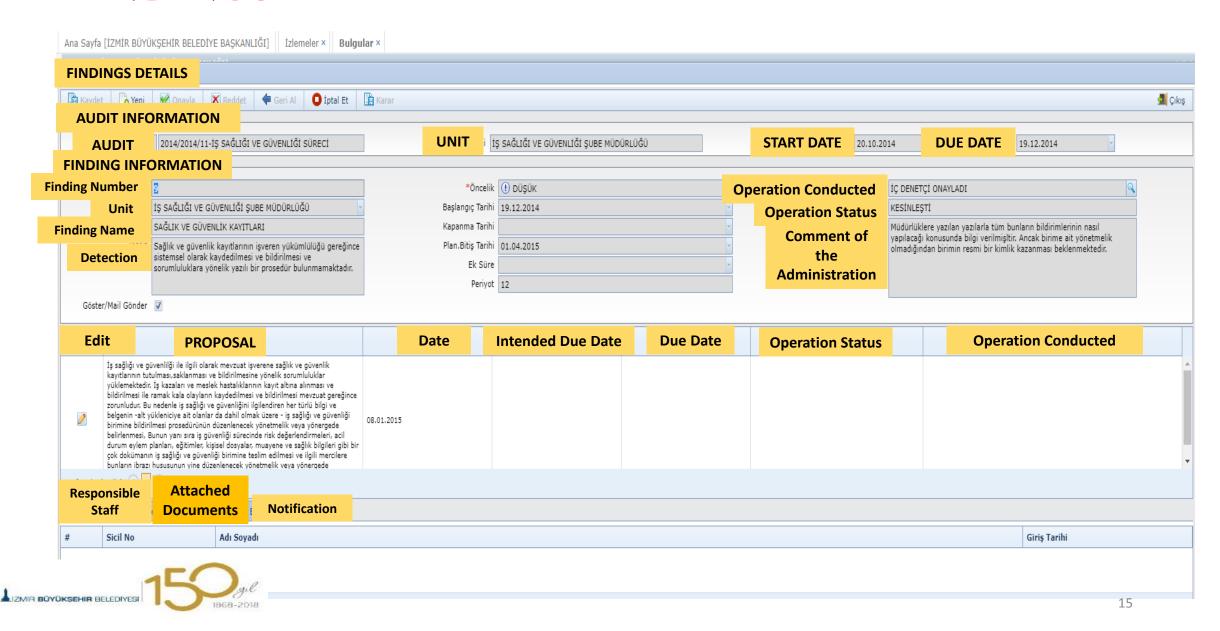


FINDINGS MAIN SCREEN

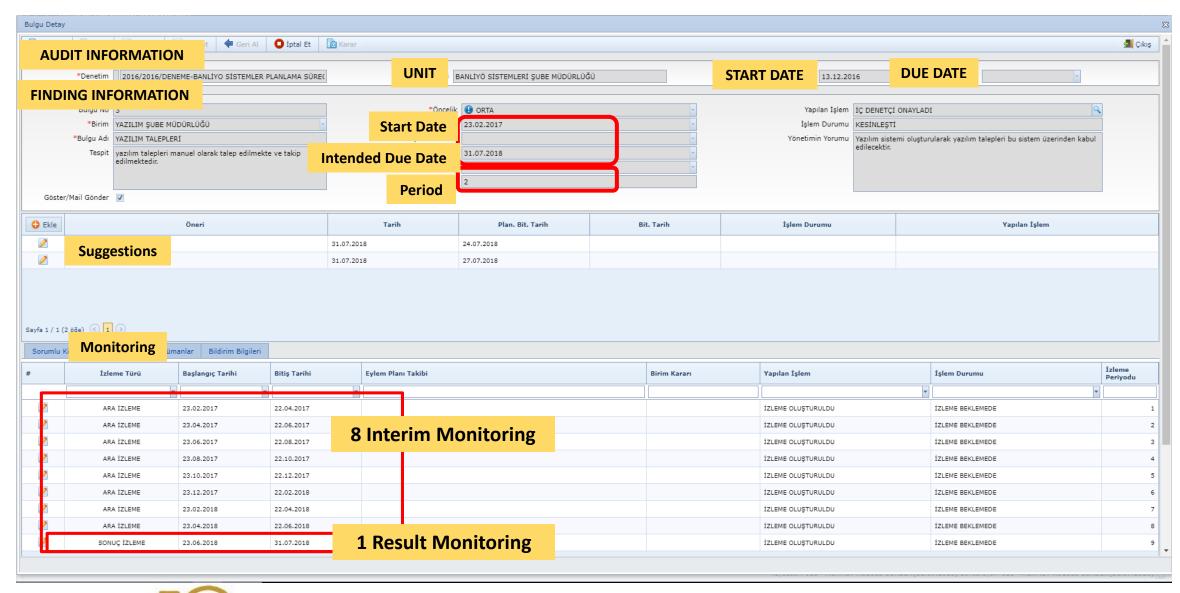




FINDINGS



CREATING MONITORING



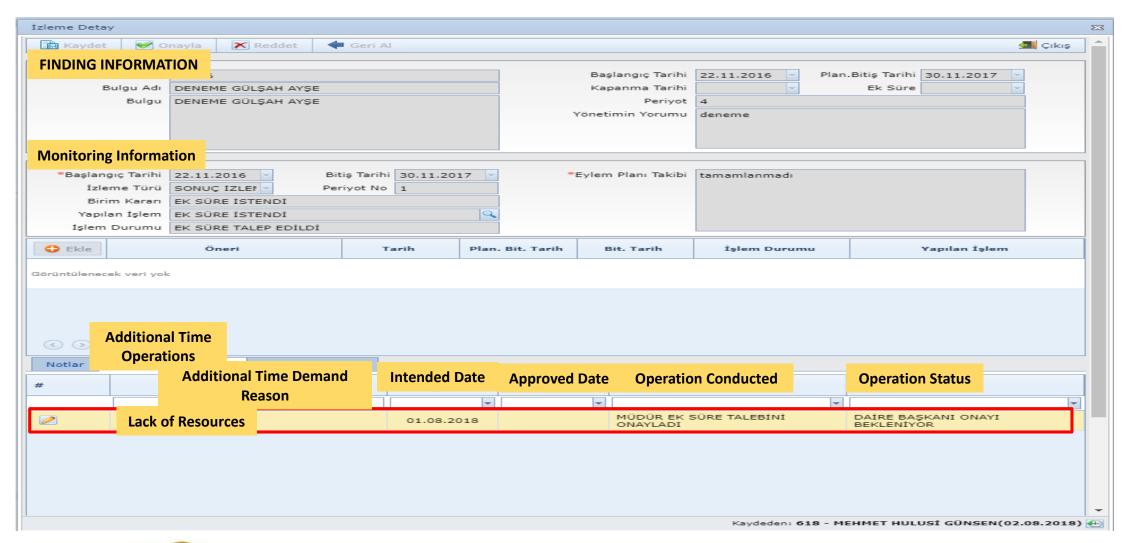


MONITORING HOME PAGE

Ana Sayfa [i	ZMİR BÜYÜK	ŞEHİR BELEDİ\	E BAŞKAN	LIĞI] Bulgular × TEST ×	İzlemeler ×								
	Monito	ring										v1.0	
✓ Yetki Se		Expired		All								🗐 Çıkı	
	М	onitorin	gs	Monitorings								Otomatik Güncelle (10 dk.)	
Docs	Start	toring - Due ate	Bulgu _P	Finding Name	Finding Start Date	Period No	Monitor Type		Superior Department	Action Plan Follow Up	Unit Decision	Operation Conducted	
	7	Y			•		*					V	
2	23.02.2018	22.04.2018	3	YAZILIM TALEPLERİ	23.02.2017	7	ARA İZLEME	YAZILIM ŞUBE MÜDÜRLÜĞÜ	BİLGİ İŞLEM DAİRESİ BAŞKANLIĞI	ıkkliğ		İZLEME OLUŞTURULDU	
	23.06.2017	22.08.2017	3	YAZILIM TALEPLERİ	23.02.2017	3	ARA İZLEME	YAZILIM ŞUBE MÜDÜRLÜĞÜ	BİLGİ İŞLEM DAİRESİ BAŞKANLIĞI			İZLEME OLUŞTURULDU	
2	23.08.2017	22.10.2017	3	YAZILIM TALEPLERİ	23.02.2017	4	ARA İZLEME	YAZILIM ŞUBE MÜDÜRLÜĞÜ	BİLGİ İŞLEM DAİRESİ BAŞKANLIĞI			İZLEME OLUŞTURULDU	
2	23.10.2017	22.12.2017	3	YAZILIM TALEPLERİ	23.02.2017	5	ARA İZLEME	YAZILIM ŞUBE MÜDÜRLÜĞÜ	BİLGİ İŞLEM DAİRESİ BAŞKANLIĞI			İZLEME OLUŞTURULDU	
2	23,12,2017	22.02.2018	3	Planning of	23.02.2017	6	ARA İZLEME	YAZILIM ŞUBE MÜDÜRLÜĞÜ	Information Processing	Action Is		İZLEME OLUŞTURULDU	
2	23.02.2017	22.04.2017	3	Software Demands	23.02.2017		terim itoring	Software Unit	Department	Finalized	Concluded	Concluded	
2	23.04.2017	22.06.2017	3	YAZILIM TALEPLERİ	23.02.2017	2	ARA İZLEME	YAZILIM ŞUBE MÜDÜRLÜĞÜ	BİLGİ İŞLEM DAİRESİ BAŞKANLIĞI			İZLEME OLUŞTURULDU	
2	23.04.2018	22.06.2018	3	YAZILIM TALEPLERİ	23.02.2017	8	ARA İZLEME	YAZILIM ŞUBE MÜDÜRLÜĞÜ	BİLGİ İŞLEM DAİRESİ BAŞKANLIĞI			İZLEME OLUŞTURULDU	
2	23.06.2018	31.07.2018	3	YAZILIM TALEPLERİ	23.02.2017	9	SONUÇ İZLEME	YAZILIM ŞUBE MÜDÜRLÜĞÜ	BİLGİ İŞLEM DAİRESİ BAŞKANLIĞI			İZLEME OLUŞTURULDU	

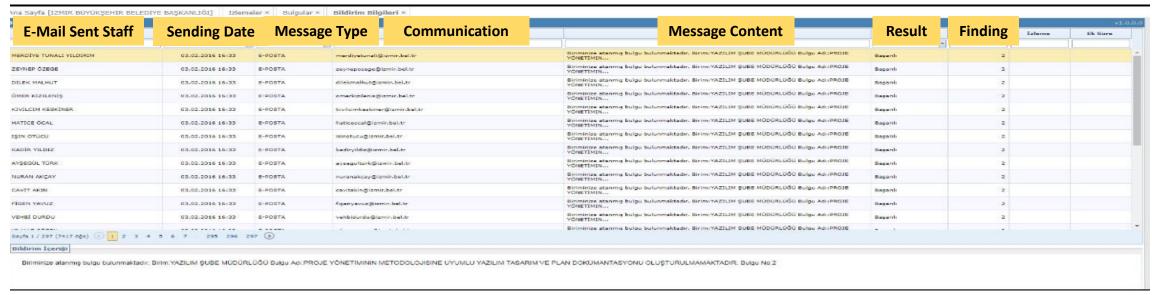


ADDITIONAL TIME OPERATIONS





E- MAIL TRACKING BOARD



SMS TRACKING BOARD

Sms Sent Staff	Sending Date	Message Ty	pe	Communication	N.	lessage Content	Result	Finding	Izleme	Ek Sure
MERT YAYGEL	17.09.2018 06:00	SMS 3	305412164		Biriminizde bekleven 1 adet izlem	e vandir.Bilai kin 1767	Basaniy			
SERCEK DAVRAN	17,09,2018 08:00		054374713		Biriminizde bekleyen 8 adet bulgu		Baganlı			
MEHMET ALI BODUR	17.09.2018 08:00	5145 3	342360000		Birlminizde bekleyen 3 adet bulgu	vardir.Bilgi idn 1767	Bagardi			
CTILGAN TASDENIR	17.09.2018 08:00	SMS 2	322135916		Biriminizde bekleyen 3 adet izlem	s vardir.Bilgi icin 1767	Bagardi			
DAYAS TUĞ	17.09.2018 08:00	\$NS 3	343549278		Birtminizde bekleyen 1 adet izlem	vardir.Bilgi kin 1767	Bagardi			
SMAIL ÖZGGLTEKIN	17.09.2018 08:00	SMS 3	034144926		Siriminissie bekleyen 1 edet islem	a vandir. Bilgi istin 1767	Bayardi			
SERHAT ÖVET	17.09.2018 08:00	SMS S	077039149		Biriminisde bekleyen 1 adet islem	verdir.Bilgi icin 1767	Bayard			
CADRIVE TÜRK	17.09.2018 08:00	SNS S	077904236		Biriminiple bekleyen 1 adet idem	verdir.Bilgi icin 1767	Basarsh			
MAHMUT AKKIN	17.09.2018 08:00	SMS S	053996568		Siriminisde bekleyen 8 edet izlem	• verdir.Bilgi için 1767	Bagarah			
YSE DEVREK GÖZSOY	17.09.2018 08:00	SHS S	336879387		Siriminizde bekleyen 4 adet izlem	• verdir:Bilgi icin 1767	Degarali			
LAATTIN ATVAZ	17.09.2018 08:00	DMS 5	426828424		Siriminisde bekleyen 3 edet islem	worder-Bilgs icin 1767	Bagacili			
BRAHINCAN GILGIL	17.09.2018 08:00	SNS S	305807973		Strimintede bekleyen 1 adet telem	e ventir-tiligi icin 1767	Bagardi			
IMINE BERRAK ÖZTÜRK	17.09-2018 08:00	mes 5	072961686		Simminisde bekleyen 2 adet izlem	s vardinitiigi icin 1767	Beganit			
IGEMEN AKKOYUN	17.09.2018 08:00	D462 3	545073922		Biriminisde bekleyen 2 adet islem	e verdir-Bilgi icin 1797	Begardi			
IMIN FIRAT	17.09.2018 06:00	SMS 3	303751925		Biriminizde bekleyen 2 adet izlem	e vardir-Bilgi lein 1797	Bagarili			
SERKAY ÖZGÜLTEKIN	17:09:2018 08:00	SMS 5	079510943		Sirimintzde bekleyen 2 adet izlem	e vardir. Bilgi icin. 1767.	Bagardi			
BERNA ÖZBERK	17.09.2018 08:00	SMS 5	386562215		Siriminizde bekleyen 1 adet izlem	s vardir. Bilgi icin 1767	Bagarik			
AAME BILGI	17.09.2018 08:00	SMS 5	052353383		Birlminizde bekleyen 2 adet izlem	e vardir. Bilgi icin 1767	Baganlı			
TURAT ALTUN	17.09.2018 08:00	SHS 5	366387009		Biriminizde bekleyen 1 adet izlem	s vardir.Bligt icin 1767	Baganili			
DIAR CALIEKAN	17.09.2018 08:00	S14S 3	033930264		Birlminizde bekleyen 7 adet izlem	s vandir Bilgi isin 1747	Bagardi			
NUGEN BAKIZ	17.09.2018 08:00	SMS 3	333431033		Birtoninizde bekleyen 11 adet bulg	a vardicibilgi ign 1767	Bagardi			



REPORTING SAMPLES



T.C. İZMİR BÜYÜKŞEHİR BELEDİYE BAŞKANLIĞI İÇ DENETİM BİRİMİ BAŞKANLIĞI



						Proposal	Medium	Proposal	High	Number of		
Audit Year	Audit Number	Audit Name	<u> </u>	Audit Report Date	Low Priority Findings	for Findings	Priority Findings	for Findings	Priority Findings	Proposal for Findings	Total Findings	Total Proposals
2015	1903	NURİ			3	1	0	0	0	0	3	1
2016	1	DENEME YAZILIM D	ENETİMİ		1	1	6	3	2	2	9	6
2016	2016/99	BANLİYÖ SİSTEMLER			0	0	3	2	0	0	3	2
2016	2016/98	BANLİYÖ SİSTEMLER SÜRECİ			0	0	3	5	1	2	4	7
2016	2016/100	BANLİYÖ SİSTEMLER			0	0	0	0	0	0	0	0
2016	2016/DEN EME	BANLİYO SİSTEMLER PLANLAMA SÜRECİ			0	0	3	6	0	0	3	6
2016	9999	YAZILIM ŞUBE MÜD ÖNERİİİİ	YAZILIM ŞUBE MÜDÜRLÜĞÜ		1	2	0	0	0	0	1	2

FINDINGS STATISTICS



Grand Total

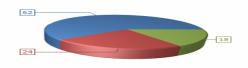
T.C. İZMİR BÜYÜKŞEHİR BELEDİYE BAŞKANLIĞI IZLEME ISTATISTIK

Tarih: 18.09.2018

Total **Number of Pending Monitoring** BEKLEMEDE İZLEME SAYISI 62 **Number of Finalized Monitoring** TAMAMLANAN İZLEME SAYISI 24 AMAMLANMAYAN İZLEME SAYISI 18 **Number of Incomplete Monitoring**

DENETÍN

Toplam



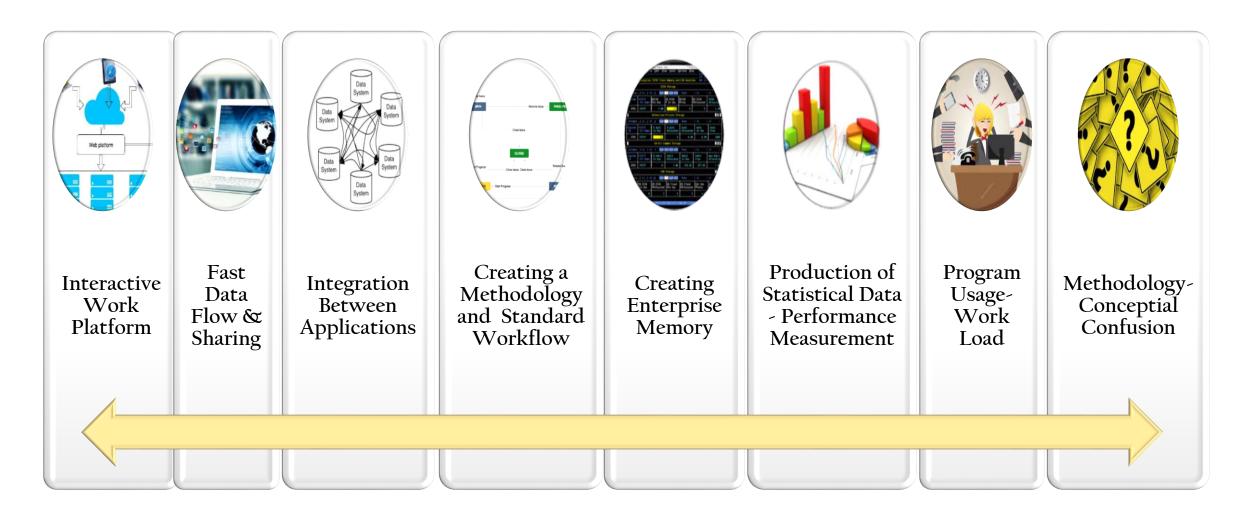
BEKLEMEDE İZLEME SAYISI TAMAMLANAN İZLEME SAYISI TAMAMLANMAYAN İZLEME SAYISI **Number of Pending**

Monitoring

Number of Finalized Monitoring

Number of Incomplete Monitoring

EARNINGS of PROGRAM & DIFFICULTIES ENCOUNTERED





THANK YOU

If you need more information please feel free to contact me: Ebru SUMER CAKMAK Internal Auditor/ Izmir Metropolitan Municipality TURKEY Tel: +902322931143

ebrucakmak@izmir.bel.tr

