

24 March 2012

Find below our scientific opinion issued upon a request dated 5 March 2012 we received from Kazım Yiğit Akalın, attorney-at-law, representing Halil İbrahim Firtına.

QUESTION 1

- a) We observed in 22 (see list in Annex B) of the Microsoft Word files that are the subject of the action (see CD-ROM Annex A) that the information “Last saved by” was not the same as the last user in the user file paths. Is this possible? How would you explain it?
- b) What would be your comments on this matter in terms of reliability and integrity of evidence?

ANSWER 1

a) The format Microsoft Word, like many other electronic document formats, does not contain any cryptological method (hash summary, electronic signature etc.) that would ensure integrity of data. Therefore, it is possible to modify any part of a document or to destroy a document or to create it in a totally deceitful way by means of special software or a standard dual file editor. It is not possible to detect such modifications or to verify the authenticity of a document. The metadata contained in the document such as the writer, last saved by and date as well as the content of the document can easily be modified.

The Word format keeps in the metadata information such as the user who created the document and the user who last saved the document, the dates of these operations and the file path where the file is kept. The user file path information provided in the annexes is a special field used in MS Word 9 and earlier versions where information about the last 10 writers is kept. In subsequent versions, Microsoft gave up using this field due to privacy reasons. In a standard use, the MS Word 9 software updates every time the document is saved the information about the last 10 writers, the file path information, the user who last saved the document and the time of last saving. Therefore, one should expect these two items of information written by the MS Word software to be identical.

Such a contradictory situation may happen when the metadata of the files has been altered by means of another software program. MS Word 9 and other office software programs that were available at the time of MS Word 9 and newer versions of MS Word reset the information of last 10 writers. The version MS Word 9 records this information coherently. Therefore, it is possible that the alteration was carried out in order to modify particularly the metadata.

b) Unlike handwritten documents or documents bearing a material signature, it is possible to modify electronic documents easily and without leaving any trace. For this reason, the personal information contained in the time and metadata information of electronic documents is not reliable. In the event a document is discovered in an environment that cannot be associated with a person (flash memory, CD, DVD,

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anonymous mail etc.), the ownership information is totally unreliable. Just any person may have produced the document.

To be able to rely on ownership information about the document, the document must have been discovered in a computer used by the person in question privately or in a computer account in accordance with the procedures of judicial computer science. In the event the document is discovered in the manner described above, (the authorities) must take into account the possibility that third parties may have had access to the computer and to the account physically or through network and the level of security of the operating system and of the network. (The authorities) should consider the possibility that third parties may have intruded into the computer and placed in it files by having access to the computer physically or through network or using viruses or taking advantage similar security gaps.

The discrepancy that is the subject of the question shows that the documents were changed in a way other than ordinary use (such as a person opening, editing and saving, copying, re-opening and saving the document), which causes the documents to lose their quality of being reliable evidence.

Find below those files from among the files contained in the CD ROM where we observed this situation.

File name: IKK/2004/YEDEK/PLAN Hazırlık/1. Toplantı.doc
MD5 summary: 846079a30bd171dabc1032d342f6f9ca

Last save information according to the last 10 savers:
Cem Gurdeniz
C:/Documents and Settings/Cem GURDENİZ/Desktop/GELEN/1.Toplantı.doc

Last save information in the metadata of the file:
Kadir Sağdıç

File name: 004/YEDEK PLAN/Hazırlık/ROE/Ang.Kural_ÇalışmaGrubu.doc
MD5 summary: a50a30d7b322d41c46c26e5a97589c85

Last save information according to the last 10 savers:
Cem Gurdeniz
C:/Documents and Settings/Cem GURDENİZ/Desktop/Ang.Kural_Çalışma Grubu.doc

Last save information in the metadata of the file:
Mücahit Şişlioğlu

File name: IKK/2004/YEDEK PLAN/PLAN Hazırlık/ankara kol.doc
MD5 summary: e448b6d487eba507fb85815375ba6a16

Last save information according to the last 10 savers:

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Cem Gurdeniz

C:/Documents and Settings/Cem GURDENİZ/Desktop/GELEN/ankara kol.doc

Last save information in the metadata of the file:

Hannan SAYAN

File name: IKK/2004/YEDEK/PLAN Hazırlık/EGAYDAAK/ÇGrubuPer.doc

MD5 summary: 01767ebe3a191df1a624fd9c26fa866d

Last save information according to the last 10 savers:

Cem Gurdeniz

C:/Documents and Settings/Cem GURDENİZ/Desktop/Yeni Klasör/ÇGrubuPer.doc

Last save information in the metadata of the file:

A. ÜREDİ

File name: IKK/2004/YEDEK/Gelenler/devrim.doc

MD5 summary: 31be652248d9c7bc5c9095fda1a88e28

Last save information according to the last 10 savers:

Cem Gurdeniz

C:/Documents and Settings/Cem GURDENİZ/Desktop/Yeni Klasör/devrim.doc

Last save information in the metadata of the file:

Devrim Rehber

File name: IKK/2004/YEDEK/Çalışma/BILGI NOTU/EK-E.doc

MD5 summary: 80b269553ded6a5b006a11e46c6182a4

Last save information according to the last 10 savers:

Suha Tanyeri

C:/Documents and Settings/Suha TANYERİ/Belgelerim/2002-2003/Dz.KK/BILGI NOTU/EK-E.doc

Last save information in the metadata of the file:

Cem Gürdeniz

File name: IKK/2004/YEDEK/Çalışma/BILGI NOTU/EK-İ.doc

MD5 summary: 2689b5b83f0c5712d64df1d93925b3a9

Last save information according to the last 10 savers:

Suha Tanyeri

C:/Documents and Settings/Suha TANYERİ/Belgelerim/2002-2003/Dz.KK/BILGI NOTU/EK-İ.doc

Last save information in the metadata of the file:

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Cem Gürdeniz

File name: IKK/2004/YEDEK/Gelenler/İzmir/ekim raporu.doc
MD5 summary: 8d64a87212c55da53929394f10a99182

Last save information according to the last 10 savers:
Cem Gurdeniz
C:/Documents and Settings/Cem GURDENİZ/Desktop/ekim raporu.doc

Last save information in the metadata of the file:
Ümit Metin

File name: IKK/2004/YEDEK/Çalışma/GELEN/EK_tefrik.doc
MD5 summary: 046804e5e305f849f00889b778b43c47

Last save information according to the last 10 savers:
Cem Gurdeniz
C:/Documents and Settings/Cem GURDENİZ/Desktop/son PAKET
GÖL/EK_tefrik.doc

Last save information in the metadata of the file:
Sonay Polat

File name: IKK/2004/YEDEK/Çalışma/GELEN/HELİPEDkeşifİMRALI.doc
MD5 summary: 0c792069fa9ce1640940a14b3209fc5d

Last save information according to the last 10 savers:
Cem Gürdeniz
C:/Documents and Settings/Cem GURDENİZ/Desktop/HELİPEDkeşifİMRALI.DOC

Last save information in the metadata of the file:
Ender Güngör

File name: IKK/2004/YEDEK/Çalışma/Hrp.Ak. Plan Çalışma Grubu.doc
MD5 summary: 5ff5945e54c59510db00e09703ef9cc7

Last save information according to the last 10 savers:
Cem Gurdeniz
C:/Documents and Settings/CEM GURDENİZ/Desktop/son PAKET GÖL/Hrp.Ak.
Plan Çalışma Grubu.doc

Last save information in the metadata of the file:
Dz. Yzb. Erdim İnal

File name: IKK/2004/YEDEK/Çalışma/İmralikeşf.doc
MD5 summary: 96c90f37825696d8a341ef9fc9e12f30

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Last save information according to the last 10 savers:

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C:/Documents and Settings/Cem GURDENİZ/Desktop/son PAKET
GÖL/İmralıkeşf.doc

Last save information in the metadata of the file:

M. Koray Eryasa

File name: IKK/2004/YEDEK/Çalışma/JAN.AdalaraPer.Transferi.doc

MD5 summary: 89d5e42ff91caa003e337e79a3036d36

Last save information according to the last 10 savers:

Cem Gurdeniz

C:/Documents and Settings/Cem GURDENİZ/Desktop/son PAKET
GÖL/JAN.AdalaraPer.Transferi.doc

Last save information in the metadata of the file:

AG

File name: IKK/2004/YEDEK/Çalışma/GELEN/malzeme listesi.doc

MD5 summary: 7f42b822f5c7f8216a14aff6c4ad863

Last save information according to the last 10 savers:

Cem Gurdeniz

C:/Documents and Settings/Cem GURDENİZ/desktop/son PAKET GÖL/malzeme
listesi.doc

Last save information in the metadata of the file:

Turgay Yamaç

File name: IKK/2004/YEDEK/Çalışma/GELEN/okyay123.doc

MD5 summary: bdf05199bf762dae4d8f8e5be0be809f

Last save information according to the last 10 savers:

Cem Gurdeniz

C:/Documents and Settings/Cem Gurdeniz/Desktop/son PAKET GÖL/okyay123.doc

Last save information in the metadata of the file:

Alp Kırıkkanat

File name: IKK/2004/YEDEK/Çalışma/Plan Çalışma_Adacık.doc

MD5 summary: fd5a1ed912e3bb9e2af0c078c8c6b028

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C:/Documents and Settings/Cem GURDENİZ/Desktop/Son PAKET GÖL/Plan Çalışma_Adacık.doc

Last save information in the metadata of the file:
Dz. Yzb. Erdim İnal

File name: IKK/2004/YEDEK/Gelenler/salihreis kritik personel bildirim.doc
MD5 summary: fd5a1ed912e3bb9e2af0c078c8c6b028

Last save information according to the last 10 savers:
Cem Gurdeniz
C:/Documents and Settings/Cem GURDENİZ/Desktop/Yeni Klasör/salihreis kritik personel bildirim.doc

Last save information in the metadata of the file:
Mücahit Şişlioğlu

File name: IKK/2004/YEDEK/GELENLER/İzmir/şenol kas rap.doc
MD5 summary: 3e39a503c37661a305e08f389b6e6e9f

Last save information according to the last 10 savers:
Cem Gurdeniz
C:/Documents and Settings/Cem GURDENİZ/desktop/şenol kas rap.doc

Last save information in the metadata of the file:
Ender Kahya

File name: IKK/2004/YEDEK/Çalışma/GELEN/sıkıyön..doc
MD5 summary: 18d4b436a0ce5525e2864819cda3642f

Last save information according to the last 10 savers:
Cem Gurdeniz
C:/Documents and Settings/Cem GURDENİZ/desktop/Gelenler/Sıkıyön..doc

Last save information in the metadata of the file:
Feyyat Ögütçü

File name: IKK/2004/YEDEK/Çalışma/Sinan Kurye emri.doc
MD5 summary: ecdb001d954f092785ff778531f68a97

Last save information according to the last 10 savers:
Cem Gurdeniz
C:/Documents and Settings/Cem GURDENİZ/Desktop/Sinan Kurye Emri.doc

Last save information in the metadata of the file:
Oramiral Özden Örnek

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File name: IKK/2004/YEDEK/GELENLER/İzmir/takip.doc
MD5 summary: 651cfbaed1045f856206ecc84280963

Last save information according to the last 10 savers:
Cem Gurdeniz
C:/Documents and Settings/Cem GURDENİZ/desktop/takip.doc

Last save information in the metadata of the file:
F. Can Yıldırım

File name: IKK/liste/Cem Gürdeniz/Kritik Takdim/Yasalar.doc
MD5 summary: 651cfbaed1045f8562061ecc84280963

Last save information according to the last 10 savers:
sokircicek
C:/Documents and Settings/sokircicek/belgelerim/MGK/ÖZEL/Yasalar.doc

Last save information in the metadata of the file:
Khadlmsv02

Question 2

In 113 (see list in Annex C) of the Microsoft Word files that are the subject of the action (see CD-ROM in Annex A), there is information referring to a data series at the addresses 5CA HEX and 5D2 HEX in the data structure. When these files are opened using the Microsoft Word 9.0 application and saved in a location in the hard disk of the computer, the information in question and the data series it refers to are automatically deleted from the file.

- Under which conditions does such a thing occur?
- In the light of the results of your examination, is it normal that the word files figuring on the list in Annex C contain the data series in question?

ANSWER 2

a) The addresses in question correspond to the field FCPGDOLD in field 3CA in block FIB at the beginning of the field named "Worddocument stream" in the MS Word DOC binary format. According to the definition of this field in the documents of the firm Microsoft, there are two reference addresses in the fields 3CA and 3D2 and the fields 3CE and 3D6 contain the length of this data located in these addresses. The MS Word 9 application uses the field in question as a temporary buffer area for calculation of page structuring. Therefore, there is data in this field when the document is open in the memory and when the file is saved in the disk, this calculation becomes firm and the fields 3CE and 3D6 that indicate the data length are reset and saved. Something that is not observed in the new versions of the software is the fact that the information in this field is in some cases reflected on the saved file.

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The version MS Word 9 behaves differently depending on whether the file is written on a disk or in a different medium such a USB memory. It resets this field when it writes on a disk and reflects the temporary information in this field on the file when the file is saved in a USB memory.

It is impossible for anyone other than the members of the development team of the manufacturer, i.e. the USA-based company Microsoft, to know the details of and the reason for this behaviour. But it is a fact that we observe and aware of such behaviour.

This behaviour does not occur when the file is taken out of the disk, edited and resaved. It may have occurred in such cases as the file being written in a USB memory and afterwards copied on a disk. But similar results may occur when a file saved this way is modified afterwards and written on a disk with a software program other than MS Word. The last saving field of the files provided in the CD annexes seem to be the hard disk. This constitutes a contradictory situation as regards the field where the files are saved in metadata and the behaviour of the software used.

b) It is not known whether there are other conditions that may lead to such a situation or whether the software exhibits the same behaviour in other specific situations. But we may say that the files have undergone a process different from a normal process of using and creating a file and were modified during this process.

Find below the list of those files from among the files in the CD ROM where this situation was observed. The fact that the fields 5CE and 5D6 are not zero indicates the mentioned situation. The values are given in hexadecimal form.

File	MD5 summary	5CA	5CE	5D2	5D6

(signed)
Prof. Dr. Semih Bilgen
METU Department of Electrical
And Electronic Engineering

(signed)
Dr. Onur Tolga
METU Department of
Computer Engineering

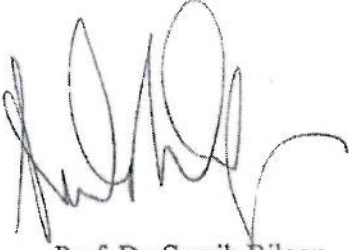

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IKK/2004/YEDEK/PLAN Hazırlık/EGAYDAAK/EGAYDAAK ÇG Liste.doc	c0en1d50736e7b5136680727dc964ffe	1AC	20	1CC	18
IKK/2004/YEDEK/PLAN Hazırlık/EGAYDAAK/EGAYDAAK ÇG.(Bilnotu).doc	33ce7779eb50a407a9aa7aa4aa1733b	12E	12	140	E
IKK/2004/YEDEK/PLAN Hazırlık/EGAYDAAK/egedaydaak çalışmagrubu.doc	28c390269efc52616691ebfae1089dae	16C	12	17E	E
IKK/2004/YEDEK/PLAN Hazırlık/EGAYDAAK/egedaydaak çalışmagrup konu teklif.doc	813934743b70b832674fc06a9395e984	12E	12	140	E
IKK/2004/YEDEK/PLAN Hazırlık/EGAYDAAK/EKA Toplantı Sonuç Raporu.doc	6ef4c131fc45a92d7d66d3e8c776d153	164	20	184	18
IKK/2004/YEDEK/PLAN Hazırlık/EGAYDAAK/K.EREN.doc	e7339e114ea2f0e130faac61f54ad0ef	126	12	138	E
IKK/2004/YEDEK/PLAN Hazırlık/EGAYDAAK/konu teklif EKA.doc	4a252368923ac5210a3eb118b2d416d4	2C0	20	2E0	18
IKK/2004/YEDEK/PLAN Hazırlık/EGAYDAAK/Saha_EKİ.doc	edeb949e239a5a8beaf837ff574839ff	16A	12	17C	E
IKK/2004/YEDEK/PLAN Hazırlık/EGAYDAAK/Toplantı Sonucu 2-2002.doc	bb8f1a04db9ddb23eclf695f20173141	16A	12	17C	E
IKK/2004/YEDEK/PLAN Hazırlık/EGAYDAAK/Toplantı Tutanağı.doc	eab174467e9e51f1dd38f68ca74e1956	1F4	20	214	18
IKK/2004/YEDEK/PLAN Hazırlık/EGAYDAAK/ÇGBilgiNotu.doc	d6bfc608ab811829b57a027de82d2d61	178	12	18A	E
IKK/2004/YEDEK/PLAN Hazırlık/EGAYDAAK/ÇGrubuPer.doc	01767ebc3a191df1a624fd9c26fa866d	12E	12	140	E
IKK/2004/YEDEK/PLAN Hazırlık/GNKUR_direktif.doc	79596eedfenebd4af6ca71546ccfb3a1	12E	12	140	E
IKK/2004/YEDEK/PLAN Hazırlık/malzeme durum raporu.doc	3e69110d5cbbb12153903f37a44695d3	16C	12	17E	E
IKK/2004/YEDEK/PLAN Hazırlık/MY 228-3 ÇG/228-3 DEĞİŞME.doc	7f34dc2be26ce84cb393406b0641b175	174	12	186	E
IKK/2004/YEDEK/PLAN Hazırlık/MY 228-3 ÇG/228-3 Çalışma_Grubu.doc	f22ecae8f7242ad58b6cf899e5613e8	164	12	176	E
IKK/2004/YEDEK/PLAN Hazırlık/MY 228-3 ÇG/228-3 Çalışma_Grubu_EKliste.doc	7d1efaed2c1e2842757c56e52a6095f8	166	12	178	E
IKK/2004/YEDEK/PLAN Hazırlık/MY 228-3 ÇG/228-3Kural Teklifi.doc	c1938b089ab35c4abb4497c05cbdc617	12E	12	140	E
IKK/2004/YEDEK/PLAN Hazırlık/ROE/Ang.Kural_ÇalışmaGrubu.doc	a50a30d7b322d41c46c26e5a97589c85	16C	12	17E	E
IKK/2004/YEDEK/PLAN Hazırlık/ROE/Ang.Kural_ÇalışmaGrubu_SON RAPOR.doc	80128a40383a915d8722a715610c3b72	16C	12	17E	E
IKK/2004/YEDEK/PLAN Hazırlık/SKY TEŞKİLAT.doc	2d37f191531b5ecc7338620a1e42a88a	1AE	12	1C0	E
IKK/2004/YEDEK/PLAN Hazırlık/SUGA/EK-A.doc	327a45c5ef26b6e655f6646a57a0413b	1F8	2E	226	22
IKK/2004/YEDEK/PLAN Hazırlık/SUGA/SUGA HAREKAT PLANI.doc	212a17fa7ecc60078ca17d5e528db703c	4A8	AC	554	7C
IKK/2004/YEDEK/PLAN Hazırlık/toplantı sonuç.doc	8b7b5e927bfc0749c5a11950763e2803	12E	20	14E	18

IKK/2004/YEDEK/PLAN Hazırlık/Ç.Grubu Görevlendirme Listesi.doc	2a15095e9e24dc182b452a469c750359	170	12	182	E
IKK/2004/YEDEK/PLAN Hazırlık/çalışma rapor1_03.doc	8e7926adb484b72e6ebebcd8173c3b9b	16C	12	17E	E
IKK/2004/YEDEK/PLAN Hazırlık/çalışma.doc	950ae9815ef1e47203d57ed0e3a99a81	168	12	17A	E
IKK/2004/YEDEK/PLAN Hazırlık/çalışmaliste.doc	dfa803f1826fb0d1bb4925413c7dd4b7	170	12	182	E
IKK/2004/YEDEK/Çalışma/BILGI NOTU/BİLGİ NOTU.doc	fb1946e4d65898fa13eaa53fb4627c4	1BE	12	1D0	E
IKK/2004/YEDEK/Çalışma/BILGI NOTU/EK-A.doc	50322f55d62472ee67fc40f28f7bef09	16A	12	17C	E
IKK/2004/YEDEK/Çalışma/BILGI NOTU/EK-B.doc	4d300e5f0d35226104d5b0532d3ca576	19C	2E	1CA	36
IKK/2004/YEDEK/Çalışma/BILGI NOTU/EK-C.doc	bb7c6e6e6ae0708c3b49567410403513	19C	2E	1CA	22
IKK/2004/YEDEK/Çalışma/BILGI NOTU/EK-D.doc	a74d22461cb73de9baa14ca0dc699af1	18C	4A	1D6	36
IKK/2004/YEDEK/Çalışma/BILGI NOTU/EK-F.doc	16b0dbecab9a0eac57c01a0a35e41a3f	18C	82	20E	5E
IKK/2004/YEDEK/Çalışma/BILGI NOTU/EK-G.doc	118fd1ac61529550b0530258cddb5fc3	18C	E4	270	A4
IKK/2004/YEDEK/Çalışma/BILGI NOTU/EK-I.doc	64211e71d0f8a093aa01c468ed3e4c00	19C	20	1BC	18
IKK/2004/YEDEK/Çalışma/BILGI NOTU/EK-J.doc	cb67d756ba5ac494aacfbfa7356d01b2	18C	20	1AC	18
IKK/2004/YEDEK/Çalışma/BILGI NOTU/EK-N.doc	08f16bb603729b8645452876deea4563	18C	3C	1C8	2C
IKK/2004/YEDEK/Çalışma/BILGI NOTU/EK-Ç.doc	d19c4e7154351b07e05d2ba1ba25437d	19C	20	1BC	18
IKK/2004/YEDEK/Çalışma/BILGI NOTU/EK-Ğ.doc	49e0f4d321f7d61026b0487a477f09cb	19C	20	1BC	18
IKK/2004/YEDEK/Çalışma/GELLEN/AKSAZ.doc	d95e8e02eca6f5622413fb03efbc185d	1BA	12	1CC	E
IKK/2004/YEDEK/Çalışma/GELLEN/AKSAZI.doc	ce677ea0f2bbf42992cb11baa5fecd1f	170	12	182	E
IKK/2004/YEDEK/Çalışma/GELLEN/AMFIBI TIM MALZEME.doc	42d0e476f278e6d738d4861c46a06d40	12E	12	140	E
IKK/2004/YEDEK/Çalışma/GELLEN/DHA Görevlendirme.doc	ab7cce9f3a330cfa5cf15f49ad8ea9f1	166	12	178	E
IKK/2004/YEDEK/Çalışma/GELLEN/EK-DHA Görevlendirme.doc	e4f3ccb6db60f6cc12bd97deee8ee437	16A	12	17C	E
IKK/2004/YEDEK/Çalışma/GELLEN/EK_tefrik.doc	046804e5e305f849f0889b778b43c47	17C	12	18E	E
IKK/2004/YEDEK/Çalışma/GELLEN/güven.doc	4c9d3fbb83c822c2829d974ecb1e6db7	12E	12	140	E
IKK/2004/YEDEK/Çalışma/GELLEN/HasasKontrol.doc	516e3c66758180199184456ba46e7595	16A	12	17C	E
IKK/2004/YEDEK/Çalışma/GELLEN/HasasKontrol.doc	f3bb8e570df0ae03na0523db2d6c027	16C	12	17E	E
IKK/2004/YEDEK/Çalışma/GELLEN/HELİPEDKEŞİ FİM RALI.doc	0c792069fa9ce1640940a14b3209fc5d	1C0	12	1D2	E
IKK/2004/YEDEK/Çalışma/GELLEN/JANGENKOM tahliye.doc	cab1c2a216052e6506f8f3a1f937a254	160	12	172	E
IKK/2004/YEDEK/Çalışma/GELLEN/kom.doc	09438429af8ne28de6fef3b71171e4a7	16A	12	17C	E
IKK/2004/YEDEK/Çalışma/GELLEN/Kontrol-İzmir,Aksaz.doc	4a4a662d3c5058de5ef8220278bdd5c8	1F6	12	208	E
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listesi.doc					
IKK/2004/YEDEK/Çalışma/GELEN/okyay123.doc	bd05199b762dae4d8fbc5be0be809f	12E	12	140	E
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IKK/2004/YEDEK/Çalışma/HBfilo-Yassıada,İmralıada.doc	6812a57a7385b895bb1f765156875ee4	12E	12	140	E
IKK/2004/YEDEK/Çalışma/Hrp.Ak. Plan Çalışma Grubu.doc	5ff5945e54c59510db00e09703ef9cc7	12E	12	140	E
IKK/2004/YEDEK/Çalışma/JAN.AdalaraPer.Transferi.doc	89d5e42ff91caa003e337e79a3036d36	12E	12	140	E
IKK/2004/YEDEK/Çalışma/Plan Çalışma_Adacık.doc	fd5a1ed912c3bb9c2a10c078c8c6b028	12E	12	140	E
IKK/2004/YEDEK/Çalışma/Sinan Kurye Emri.doc	ecdb001d954f092785ff778531f68a97	1B2	12	1C4	E
IKK/2004/YEDEK/Çalışma/Teklif-2.doc	d06d5c7f8be2da8c070ca4e59ff1f7bf	12E	12	140	E
IKK/2004/YEDEK/Çalışma/Teklif-4.doc	3f65768db25415ea25b405e976a062fe	12E	12	140	E
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IKK/2004/YEDEK/Çalışma/tevkif tebliği.doc	3c2961e2bef15838daac755eeff88c26f	136	12	148	E
IKK/2004/YEDEK/Çalışma/İmralıkeşf.doc	96c90f37825696d8a341ef9fe9ef2f30	12E	12	140	E
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IKK/GENKURBSKTAKDİMİ/rk/Gelenler/Birleştir/EK C LAHİKA-7 CETV-C.doc	39469d79dcb038109bb97e01c6513c14	1C8	12	1DA	E
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IKK/liste/Cem Gürdeniz/Kritik Takdim/Strateji.doc	79519233077c88abb06443792771544d	2AE	3C	2EA	2C
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IKK/liste/Cem Gürdeniz/son/KARDAK.doc	ee2fed666cb5daa33f20cc5ceec5e3d2c	1FE	3C	23A	2C
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IKK/liste/Cem Gürdeniz/son/RUHBAN OKULU BİLGİ NOTU.doc	c159555fd3a8654d95dfba7547c5822d	54C	C4	610	7C
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IKK/liste/Cem Gürdeniz/İRTİCAİ FAALİYETLER.doc	448a4734786187d81f4cc9896147122b	108	20	128	18



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