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Sample Forensics Report

This is an example of a SIM Card forensics investigation report, as performed by one of our operators.

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## Sample Forensics Report

When the objectives of the investigation have been achieved, Disklabs Forensic Services will prepare a full Investigation Report. The report will identify the continuity of information and describe all the procedures utilised during our investigation, with a concise summary of conclusions, observations and all appropriate recommendations. All facts referred to in the report will be added to an appendix to support our analysis or findings - see example below:

### Date & Time

Friday, October 01, 2004 at 16:24:10

### General Information

Reference No.	990001
Operator	Paul Allen
Operation Name	Sample Report
Case Reference No.	990001

### Phone Information

Phone Make	Sony Ericsson
Phone Type	K700i
Phone Software Version	
Welcome note	Hello sexy
IMEI from back of phone	XXXXXXXXXXXXXX
IMEI from typing *#06#	XXXXXXXXXXXXXX

### Notes

### Forensic SIM Information

Card Type	Defense
Batch Date	21/06/04
Serial Number	0000000256
Card Version	1
Control Card Id	3B6600FF4A434F503230FFFFFFFFFFFF
Control Card User Id	0005
Acquisition Hardware Type	Desktop (MCT5000)
Acquisition Software Version	1.0.0.5
Card Write Start Time	19/08/04 12:05.22
Card Write End Time	19/08/04 12:05.26
Number of bytes copied	4915
Hash Type	MD5
Hash Code	56AB9535889895A409DCAF121BFF07EA

### Subscriber/User Related Files

## Mobile Station Numbers (MSISDN)

The Mobile Station ISDN (MSISDN) is the Subscriber Identity Number for that SIM card. This facility is not always held on the SIM card and can be edited by the user. It is possible for a SIM card to hold more than one MSISDN, dependent on the subscriber's account type. It is advisable to obtain a subscriber check against the SIM and MSISDN number to determine its accuracy.

This SIM can store 5 MSISDN(s)

Nr	Name	Telephone Number	Type of number	Numbering Plan	Extension Id
1		0786XXXXXXX	None	ISDN/Telephony	None
2			Reserved	Reserved	None
3			Reserved	Reserved	None
4			Reserved	Reserved	None
5			Reserved	Reserved	None

## International Mobile Subscriber Identity (IMSI)

IMSI
23433XXXXX6682

## Service Provider Name (SPN)

Provider Display Status	Provider Name
Not Displayed	Blank

## Phone Number Related Files

### Abbreviated Dialed Numbers

This section represents the list of Names and Telephone Numbers stored on the SIM Card. A SIM Card can store between 90 and 200 Names and Telephone Numbers.

This SIM has an Abbreviated Dialed Number storage capacity of 90

Nr	Name	Telephone Number	Type of number	Numbering Plan	Extension Id
1	Jason	4478XXXXX014	International	ISDN/Telephony	None
2	Griggs	0154XXXXX8	None	ISDN/Telephony	None
3	Phils Garage	0128XXXXX2	None	ISDN/Telephony	None
4	Phils Garag1	0128XXXXX2	None	ISDN/Telephony	None
5	Cherly	4478XXXXX939	International	ISDN/Telephony	None
6	Richy Day	0796XXXXX9	None	ISDN/Telephony	None
7	Cheryl Home	01543XXXXX2	None	ISDN/Telephony	None
8	Ryan Rich	0776XXXXX2	None	ISDN/Telephony	None
9	Nicky	078XXXXX6	None	ISDN/Telephony	None
10	Gary Telluri	0154XXXXX9	None	ISDN/Telephony	None
11	Gary Tellur1	0793XXXXX5	None	ISDN/Telephony	None
12	Steggs Diskl	44797XXXXX5	International	ISDN/Telephony	None
13	Phil Mob	0771XXXXX0	None	ISDN/Telephony	None
14	Lappy	0797XXXXX8	None	ISDN/Telephony	None
15	Ade	0796XXXXX7	None	ISDN/Telephony	None

16	Suzanne	0773XXXXX2	None	ISDN/Telephony	None
17	Gem New	0798XXXXX6	None	ISDN/Telephony	None
18	Kevs Work	0182XXXXX5	None	ISDN/Telephony	None
19	Stevie	0796XXXXX0	None	ISDN/Telephony	None
20	Katie Work	0789XXXXX7	None	ISDN/Telephony	None
21	Maz Work	0797XXXXX6	None	ISDN/Telephony	None
22	Caroline Wor	0776XXXXX3	None	ISDN/Telephony	None
23	Dave Harris	0182XXXXX9	None	ISDN/Telephony	None
24	Matt Work	07899XXXXX4	None	ISDN/Telephony	None
25	Alex Cheese	01234XXXXX0	None	ISDN/Telephony	None
26	Chris Burns	07800XXXXX9	None	ISDN/Telephony	None
27	Katie Work 2	07749XXXXX6	None	ISDN/Telephony	None
28	Rich Lichfie	07989XXXXX0	None	ISDN/Telephony	None
29	Mark Work	0789XXXXX3	None	ISDN/Telephony	None
30	Katie Work N	07834XXXXX5	None	ISDN/Telephony	None
31	Milly	XXXXXX	None	ISDN/Telephony	None
32	Newcastle St	01782XXXXX3	None	ISDN/Telephony	None
33	Minty	07834XXXXX0	None	ISDN/Telephony	None
34	York	07779XXXXX8	None	ISDN/Telephony	None
35	Miggy	07968XXXXX9	None	ISDN/Telephony	None
36	Alex Cheese	07733XXXXX0	None	ISDN/Telephony	None
37	Joe	07989XXXXX0	None	ISDN/Telephony	None
38	Matty Wash	07890XXXXX5	None	ISDN/Telephony	None
39	Emma	07966XXXXX6	None	ISDN/Telephony	None
40			Reserved	Reserved	None
41			Reserved	Reserved	None
42			Reserved	Reserved	None
43			Reserved	Reserved	None
44			Reserved	Reserved	None
45			Reserved	Reserved	None
46			Reserved	Reserved	None
47			Reserved	Reserved	None
48			Reserved	Reserved	None
49			Reserved	Reserved	None
50			Reserved	Reserved	None
51			Reserved	Reserved	None
52			Reserved	Reserved	None
53			Reserved	Reserved	None
54			Reserved	Reserved	None
55			Reserved	Reserved	None
56			Reserved	Reserved	None
57			Reserved	Reserved	None
58			Reserved	Reserved	None
59			Reserved	Reserved	None
60			Reserved	Reserved	None
61			Reserved	Reserved	None
62			Reserved	Reserved	None
63			Reserved	Reserved	None
64			Reserved	Reserved	None
65			Reserved	Reserved	None
66			Reserved	Reserved	None
67			Reserved	Reserved	None

68			Reserved	Reserved	None
69			Reserved	Reserved	None
70			Reserved	Reserved	None
71			Reserved	Reserved	None
72			Reserved	Reserved	None
73			Reserved	Reserved	None
74			Reserved	Reserved	None
75			Reserved	Reserved	None
76			Reserved	Reserved	None
77			Reserved	Reserved	None
78	Phil	0780XXXXX5	None	ISDN/Telephony	None
79			Reserved	Reserved	None
80			Reserved	Reserved	None
81	Dave Harris	07890XXXXX7	None	ISDN/Telephony	None
82			Reserved	Reserved	None
83			Reserved	Reserved	None
84			Reserved	Reserved	None
85			Reserved	Reserved	None
86			Reserved	Reserved	None
87			Reserved	Reserved	None
88			Reserved	Reserved	None
89			Reserved	Reserved	None
90			Reserved	Reserved	None

### Fixed Dialed Numbers

This section contains the list of Fixed Numbers stored on the SIM Card. These numbers can be enabled by the user to limit which numbers may be dialled.

This SIM has a Fixed Dialed Number storage capacity of 10

Nr	Name	Telephone Number	Type of number	Numbering Plan	Extension Id
1			Reserved	Reserved	None
2			Reserved	Reserved	None
3			Reserved	Reserved	None
4			Reserved	Reserved	None
5			Reserved	Reserved	None
6			Reserved	Reserved	None
7			Reserved	Reserved	None
8			Reserved	Reserved	None
9			Reserved	Reserved	None
10			Reserved	Reserved	None

### Service Dialling Numbers

File not present.

### Barred Dialling Numbers

File not present.

### Last Number Dialed

Dialed numbers generally represent the users intended actions in making an outgoing call. However it does not necessarily mean that a dialled call was successful or that a conversation took place.

This SIM can store 5 numbers

Nr	Name	Telephone	Type of	Numbering	Extension
----	------	-----------	---------	-----------	-----------

		Number	number	Plan	Id
1		0774XXXXX1	None	ISDN/Telephony	None
2		0773XXXXX0	None	ISDN/Telephony	None
3		44796XXXXX6	International	ISDN/Telephony	None
4		44796XXXXX6	International	ISDN/Telephony	None
5		44796XXXXX6	International	ISDN/Telephony	None

### Extension 1

This section represents further ADN information that would not fit into the ADN File.

Record	Record Type	Extension Data	Next Record containing Extension Data
1			No further extension data
2			No further extension data
3			No further extension data
4			No further extension data
5			No further extension data

### Extension 2

This section represents further FDN information that would not fit into the FDN File.

Record	Record Type	Extension Data	Next Record containing Extension Data
1			No further extension data
2			No further extension data

### Extension 3

This section represents further SDN information that would not fit into the SDN File.

File not present.

### Extension 4

This section represents further BDN information that would not fit into the BDN File.

File not present.

### Group Identifier Level 1

Nr	SIM Group Identifier
1	00
2	00

### Group Identifier Level 2

Nr	SIM Group Identifier
1	FF
2	FF

## Short Message Service (SMS) Related Files

### Short Message Usage

Short Message Services (SMS) is a form of textual conversation permitted by a network provider. The service allows a user to send and receive textual

messages direct to their handsets. The storage capacity is dependant on the SIM card. The date and time of the SMS Message is derived from the network service provider and not the date and time settings on the handset. The originating address refers to the sender's telephone number. The SIM card can store deleted SMS messages still held on the SIM card, the number stored is dependant on the memory allocation and usage. Deleted SMS messages are usually not available to the user. The more modern handsets now allow users to store/archive SMS within the handsets internal memory. The capacity is dependant on the total memory used/allowed.

### SIM Card SMS Memory Usage

This SIM has an SMS storage capacity of 10

Status	Count
Not used, no further data found	2
Not used, but some deleted data found	1
Read	3
Not read	3
Message waiting to be sent	0
Message has been sent	1
Status not recognized	0

### SMS Message

Status	Read
Originating Address	+44797XXXXX0
Service Centre Address	+44797XXXXX3
Service Centre Timestamp	18-08-04 20:04:26
Data Coding Scheme	Default alphabet
User Data	How did u win 50? We r fine. Dad stabbed himself & has had 2 stitches in his hand!

### SMS Message

Status	Read
Originating Address	+44796XXXXX6
Service Centre Address	+4479XXXXX3
Service Centre Timestamp	18-08-04 12:44:41
Data Coding Scheme	Default alphabet
User Data	Dunno. We could just go to the pub. Should have photos and such like printed by then.

### SMS Message

Status	Read
Originating Address	+44773XXXXX10
Service Centre Address	+447802XXXXX2
Service Centre Timestamp	17-08-04 20:01:41
Data Coding Scheme	Default alphabet
User Data	Suits me dude.

### SMS Message

Status	Read
--------	------

Originating Address	+44773XXXXX0
Service Centre Address	+44780XXXXX2
Service Centre Timestamp	17-08-04 19:32:58
Data Coding Scheme	Default alphabet
User Data	Probably yeah. Not heard off emma then?

### SMS Message

Status	Read
Originating Address	+447966XXXXX6
Service Centre Address	+44797XXXXX3
Service Centre Timestamp	17-08-04 14:16:58
Data Coding Scheme	Default alphabet
User Data	Am at airport in cuxhaven. Really don't want to be here. I want to be back on the ship. Am doing it next year! Already decided! Time has flown! Hugs

### SMS Message

Status	Read
Originating Address	+44796XXXXX9
Service Centre Address	+44797XXXXX3
Service Centre Timestamp	16-08-04 18:45:12
Data Coding Scheme	Default alphabet
User Data	No problems

### SMS Message

Status	Read
Originating Address	+44776XXXXX4
Service Centre Address	+44778XXXXX5
Service Centre Timestamp	16-08-04 15:48:26
Data Coding Scheme	Default alphabet
User Data	I'm sooo lucky, belgium this week, ipswich next week and back to belgium the week after argh!

### SMS Message

Status	Read
Originating Address	+44797XXXXX5
Service Centre Address	+44793XXXXX3
Service Centre Timestamp	19-08-04 11:31:23
Data Coding Scheme	Default alphabet
User Data	I cant believe she did that to you. Do you really think they were twins?

### SMS Message

Status	Not used, no further data found
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## SMS Message

Status	Not used, no further data found
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## Short Message Service Parameters

This SIM can store 1 set(s) of SMS Parameters

Nr	Alpha Identifier	Destination Address	Service Centre Address	Data Coding Scheme
1			+447973XXXXX3	Default alphabet

## Short Message Status Reports

File not present.

## Short Message Status

Message Reference Parameter of Last SMS	"Memory capacity exceeded" Notification Flag
236	Flag unset; memory capacity available

## Network Related Files

### Location Information (LOCI)

Temporary Mobile Subscriber Identity (TMSI)	9E16AA62
Location Area Information (LAI)	United Kingdom: Orange, LAC: 0553
TMSI Time	Not used
Location Update Status	Updated

### GPRS Location Information (LOCIGPRS)

File not present.

### Ciphering Key (Kc)

Ciphering Key Kc	EE44EC7AF0C02400
Key Sequence Number	2

### GPRS Ciphering Key (KcGPRS)

File not present.

### Allowed Networks (PLMNsel)

The Allowed Network List shows the networks allowed by the SIM card.

Number of allowed networks 8

Nr	Network
1	Spain: Telefonica Spain
2	France: France Telecom
3	Netherlands: Dutchtone
4	Belgium: Mobistar
5	Portugal: Optimus Telecom
6	Denmark: Mobilix
7	Switzerland: Orange
8	Thailand: TA Orange C



## Forbidden Network List (FPLMN)

The Forbidden Network List shows the networks forbidden by the SIM card.

Number of forbidden networks 4

Nr	Network
1	United Kingdom: O2
2	United Kingdom: Vodafone
3	United Kingdom: T-Mobile
4	Not used

## Home PLMN Search Period (HPLMN)

HPLMN
30 minutes

## Cell Broadcast Message ID Selection (CBMI)

Nr	CB Message ID
1	Unused
2	Unused
3	Unused
4	Unused
5	Unused
6	Unused
7	Unused
8	Unused

## Cell Broadcast Message Identifier for Data Download (CBMID)

File not present.

## Cell Broadcast Message Identifier Range Selection (CBMIR)

File not present.

## Co-operative Network List (CNL)

File not present.

## Network's Indication of Alerting (NIA)

File not present.

## Broadcast Control Channels (BCCH)

BCCH Information	9B6AA0D35D9C4C23CC6F84229A000000
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## Access Control Class (ACC)

Access Control Class	Allocation Status
1	Not allocated
2	Not allocated
3	Not allocated
4	Not allocated
5	Not allocated
6	Not allocated

7	Not allocated
8	Not allocated
9	Not allocated
10	Not allocated
11	Allocated
12	Not allocated
13	Not allocated
14	Not allocated
15	Not allocated
16	Not allocated

### Voice Group Call Service (VGCS)

File not present.

### Voice Group Call Service Status (VGCSS)

File not present.

### Voice Broadcast Service (VBS)

File not present.

### Voice Broadcast Service Status (VBSS)

File not present.

## General SIM Information

### ICCID

ICCID
894XXXXXXXXX7866822

### SIM Service Table (SST)

PIN1 Deactivation	Service allocated, activated
Abbreviated Dialed Numbers	Service allocated, activated
Fixed Dialed Numbers	Service allocated, activated
Short Messages	Service allocated, activated
Advice of Charge	Service not allocated, not activated
Capability Config Params	Service allocated, activated
PLMN Selector	Service allocated, activated
MSISDN	Service allocated, activated
Extension 1	Service allocated, activated
Extension 2	Service allocated, activated
SMS Parameters	Service allocated, activated

### Administrative Data (AD)

MS Operation Mode	Normal operation
Additional Information	None

### Phase

Phase
2+

### Language Preference (LP)

Priority	Language Code
1	GSM 03.41 Language Code 1
2	Not used

**Extended Language Preference (ELP)**

File not present.

**Emergency Call Codes (ECC)**

File not present.

**Accumulated Call Meter (ACM)**

File not present.

**ACM Maximum Value (ACMmax)**

File not present.

**enhanced Multi Level Pre-emption and Priority (eMLPP)**

File not present.

**Automatic Answer for eMLPP Service (AAeM)**

File not present.

**Price per Unit and Currency Table (PUCT)**

File not present.

Disklabs Computer Forensics

