

# **Core Product Description**

# **Alex**

# **Dual Slot StarTAC**

GSM900 Stage I

# **Project Nos.**

Alex - Dual Slot StarTAC A28-32
Alex - Dual Slot StarTAC (phase 2) requested

Issue 2.0

Note: This document is also available on Lotus Notes at the following location:

- EMEA Product Description
- - Alex Dual Slot StarTAC
- - Section 8. Appendix
- ---- Alex PD v1.0.doc (An MS Word Attachment)

#### **Guy Lanrezac**

November 21, 1998

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# **REVISION HISTORY**

| Version   | <u>Date</u> | <u>Name</u>  | Reason   |
|-----------|-------------|--------------|--|
| Issue 1.0 | 27-Aug-98   | Guy Lanrezac | Initial release of 'Alex' Product Description. |
| Issue 1.1 |             | Guy Lanrezac | Insertion of Part Numbers                      |
| Issue 1.2 | 18-Sep-98   | Guy Lanrezac | Update on Performance figures                  |
|           |             |              | Update on Software Feature Set (ZAP refresh)   |
| Issue 2.0 | 23-Sep-98   | Guy Lanrezac | Introduction of Phase 2                        |



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#### 1 INTRODUCTION

This document describes the new generation of dual slot phones. Dual Slot StarTAC will be available in GSM Phase 2 in the GSM 900 band. This same product could be made available in the GSM 1800 band or GSM 1900 band. The market requirements goal for ship acceptance of the GSM 900 Alex is Q41998

In Q1 1999, Alex Phase 2 will replace Alex Phase 1. The main enhancements of this version will be the support of USSD as a data bearer allowing faster transactions and the support of the hands-free accessory kit – essential for the Asian Market.

#### 1.1 Product Strategy

Dual Slot StarTAC will be differentiated from the key competitors by the following advantages:

- Best in class form factor for a smart card capable phone (weight and volume)
- Best smart card storage handling

Dual Slot StarTAC will be differentiated from the key competitors by the following advanced operator features:

- Third party Smart Card capable (over & above SIM)
- SIM Tool Kit Class 2 & Class 3 (phase 2)
- Dedicated Key to SIM Tool Kit menu
- Dual Slot SIM Tool Kit commands (standardized in SMG9)

Dual Slot StarTAC will be differentiated from the key competitors by the following advanced features:

- Ergonomic styling
- Large graphic display
- Vibracall
- Easy access to Smart Card applications
- Colours & Soft Touch feel (being investigated for phase 2)

Market research has identified that end users are looking for easier ways to do financial transactions by "getting rid of the coins" and "reducing the number of cards".

Dual Slot StarTAC will be marketed as the first Smart Card handset allowing financial transactions. As an example, the Smart Card terminal will allow an "electronic purse" card to be reloaded over the air. This will offer a new relation between the phone and the consumer. Future stages will allow the end user to do direct financial transactions, ticketing and loyalty schemes over the air. In addition, the dual slot StarTAC will offer secure access to remote

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services, authentication. The Dual Slot StarTAC is to gain the business and consumer markets where state of the art technology influences decision purchase.

# 1.1 Target Customers

Alex will be defined at mid to high tier consumers seeking premium products with state of the art technology. These consumers will typically be international credit card users (Amex, Premier or Gold). The purchase decision will be motivated by the incredible form factor and the world's first Smartcard compatible handset. They will by definition already value the benefits of smart cards and the benefits of mobile telephony.

#### Client Target:

- Alex will be focused on key and influential targets that will help Motorola to:
- Create and support this new product category,
- Champion standards internationally,
- Establish security guidelines (processes),
- Champion Motorola's certification and type approval through VISA, Mastercard & Banksys etc... institutions.

# 1.2 Product Tiering Strategy

This handset will be tiered above the existing StarTAC 85. The premium price will be justified by the improvements on the world's first Smartcard compatible handset. At first, this product will be bundled with airtime, thus giving a subsidized package price.

#### 1.3 Target Markets

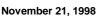
The first target markets are in the process of being identified. UK, France, Belgium, Portugal, Singapore and Hong Kong are for the moment the most active countries liable of supporting Smartcard infrastructure.

# 1.4 Distribution Strategy

At first dual slot StarTAC will be packaged with an operator SIM card meaning that the distribution of the dual slot StarTAC will be tightly linked to both GSM subscription & smart card services issuers. This will drive the following issues: dual phone / package-branding, promotion, distribution, and customer care. Direct mailing through the Value Added Service Providers (Smart Card issuer) will be heavily used.

#### 1.5 Advertising

Alex is the next step of Motorola's leading technology in mobile handsets. While conserving the market's most wearable phone form factor, Motorola offers the world first Smartcard handset that combines traditional GSM digital cellular phone features with





electronic cash services - paving the way for mobile ATM, remote ticketing, pay-as-you-use telephony and on-line payment transactions using smart cards.

It is this smart card capability that transforms it into a new generation of cellular phone. One capable of converging remote connectivity with electronic cash and service transactions. No more queuing for currency, travel tickets or payment - in the future, simply insert the relevant smart card into the Motorola Smartcard phone, then dial-up, book and pay for goods and services, access bank account details and even download money onto your smart cash card.

Alex is the first secure device that allows everyone from telecoms operators and smart card manufacturers to banks and financial institutions, to unlock the potential of the smart card. It creates a platform for the future development of mobile e-purse, remote electronic commerce and numerous other wireless services.

As well as generating new profitable value added services for the industry, the phones will also create new levels of convenience for users - a new cashless society where they can instantly access electronic cash and services at any time, wherever they are.

# **2 PRODUCT DESCRIPTION**

#### 2.1 Physical Characteristics

#### 2.1.1 Housing

#### Main housings:

Alex housing will be based on the existing StarTAC 85. The opening flip will need to be modified. The top part of the flip will be thicker to accommodate the small card reader. This will enable the use of standard StarTAC batteries

#### • Escutcheon:

The escutcheons will be identical to the StarTAC 85 with the exception of the one below the speaker (flip open) which will be 25% bigger. The reason to increase the size of that escutcheon is to help multi party co-branding. All smart card schemes will have 3 major players: Motorola, the GSM operator and the scheme owner (financial or transportation institution).

#### • Colors:

Two new colors will be investigated. Escutcheons may be changed to compliment these new colors

#### • Texture:

The texture will be similar to the existing StarTAC 85.. Soft Touch is being investigated for Phase 2.

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#### 2.1.2 Display

The Alex display will be identical to the StarTAC 85. The display will be a 96 x 32 pixel grid display with two rows of icons (top and bottom). Icons will include signal strength, battery charge indicator, in service, roaming, and SMS notification.

#### 2.1.3 Lens

The Alex lens will be identical to the StarTAC 85 display. The lens will have a black border with gold Motorola printing centered at the top of the lens.

### 2.1.4 Keypad

The Alex keypad will be specific. The MR key will be replaced by the call voicemail key. The color of the marking will be near white. This keypad has already been defined for StarTAC 150 (Georges).

Side buttons: Three side buttons will be utilized, similar to the existing StarTAC 85 and 70. The top and bottom buttons will control volume control and phone book scrolling, while the middle "smart" button will access the phonebook and place the call if held.

### 2.1.5 LED Indicators

Status LED Indica the phone. Convention will mean no service



lized on the back, upper right side of ised: green will mean in service, red service roaming.

#### 2.1.6 Connectors

Alex will support connectivity to peripheral devices through a Rae style connector. Through this connector, Alex will support rapid charging, CLA device, data cable

#### 2.1.7 SIM Card

Alex will be the world's first mobile phone to simultaneously accept two SIM cards. One small SIM format below the battery and one large SIM (ISO) like the StarTAC 85.

# 2.1.8 Antenna

November 21, 1998

The antenna will support 900 mHz frequencies. Alex will ship with a fixed, black antenna.

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#### 2.2 Performance Characteristics

# 2.2.1 Radio Performance

The following targets should be met for free space radio performance of the Alex platform:

Fixed antenna: better than 8700 antenna up

# 2.2.2 Battery Performance

Below are estimates for talk and standby times for Alex. These figures must be verified by Engineering before promotional material is published.

| Volume<br>(cc) | Weight (gr) | Dimensions (mm)       | Talk Time*<br>(mins) | Standby<br>Time*<br>(hours) | with Battery   |
|----------------|-------------|-----------------------|----------------------|-----------------------------|--|
| 105            | 113         | 98.3x57.3x26          | 110-150 min          | 40-50 hrs                   | Slim 500 mAh LiIon                                   |
| 115            | 128         | 98.3 x 57.3 x<br>30.6 | 110-150 min          | 40-50 hrs                   | Slim 500 mAh NiMH                                    |
| 114            | 130         | 98.3 x 57.3 x<br>30.6 | 200-270 min          | 70-95 hrs                   | Extra Capacity 900 mAh LiIon                         |
| N/A            | N/A         | N/A                   | 180-240 min          | 65-85 hrs                   | Slim Auxiliary 900 mAh LiIon                         |
| 150            | 167.5       | 99.9 x 57.3 x<br>43.7 | 280-390 min          | 95-130 hrs                  | Slim Auxiliary 900 mAh LiIon + 500 mAh<br>LiIon Main |
| 154.4          | 184         | 99.9 x 57.3 x<br>48.3 | 380-500 min          | 130-175 hrs                 | Slim Auxiliary 900 mAh LiIon + 900 mAh<br>LiIon Main |

<sup>\*</sup> All battery performance times are approximate and will vary depending on network configuration, band and status, and the functions selected. Times are quoted as a range from DRX=2 to DRX=9. Support of DTX mode is dependent on network support and may not be available in all areas.

# 2.2.3 Battery Charge Times

Maximum acceptable charge times are shown below.

| Battery  | Charge time with E.P.<br>Standard Travel Charger<br>to 95% charge | Charge time with E.P.<br>Desktop Charger<br>to 90% charge |
|--|---|---|
| Slim 500 mAh LiIon                                   | 2.5 hours   |   |
| Slim 500 mAh NiMH                                    |   |   |
| Extra Capacity 900 mAh LiIon                         | 2.5 hours   |   |
| Slim Auxiliary 900 mAh LiIon                         | 2.5 hours   |   |
| Slim Auxiliary 900 mAh LiIon + 500 mAh<br>LiIon Main | 5 hours   |   |

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| Battery  | Charge time with E.P.<br>Standard Travel Charger<br>to 95% charge | Charge time with E.P.<br>Desktop Charger<br>to 90% charge |
|--|---|---|
| Slim Auxiliary 900 mAh LiIon + 900 mAh<br>LiIon Main | 5 hours   |   |

# 2.2.4 Compatible Battery Technology

Alex will be compatible with all existing RAE style batteries, including LiIon and NiMH technologies

# 2.2.5 Data Compatibility

Alex will be able to send and receive data at 9600 bps with a CELLect card like the StarTAC 85. Note that Alex Phase 2 will work with the SmartCell + Soft modem

# 3 TIMING, DEMAND AND FINANCIAL TARGETS

# 3.1 Introduction

The Dual Slot StarTAC ship accept date is targeted for January 99. Phase 2 is expected for S2 '99.

# 3.2 Forecast

| Region            | Operator       | Scheme type & owner       | Motorola Part<br>Number | First shipment date | Trials volume | Target<br>Forecast for<br>1999 |
|-------------------|----------------|---------------------------|-------------------------|---------------------|---------------|--------------------------------|
| Alex Phase 1      |                |                           |                         |                     |               |                                |
| EMEA<br>UK        | Cellnet        | Mobile ATM<br>Barclaycard | SE0420AB1B4             | Q1 '99              | 1000          | 25'000                         |
| EMEA<br>France    | France Telecom | On Line<br>Payment        | TBD                     | Q1 '99              | 100           | 25'000                         |
| Alex Phase 2      |                |                           |                         |                     |               |                                |
| ASIA<br>Hong Kong | Smartone       | Mobile ATM<br>TBD         |                         | Q2 '99              | TBD           | 25'000                         |
| ASIA<br>Singapore | Mobile 1       | Mobile ATM<br>Nets        |                         | Q2 '99              | TBD           | 50'000                         |

# 3.3 Expected Lifetime

The Alex Phase 1 platform is expected to ship into the market until phase 2 completely replaces it in Q3 '99.

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# 4 SOFTWARE AND MMI DESCRIPTION

Alex will use the Personality  $^{TM}$  II interface. It will take the complete feature set of the StarTAC 85, plus the ZAP refresh features listed below.

| Tracking<br>Number | Description  | Status for launch | Priority |
|--------------------|--|-------------------|----------|
| 0151               | SMS-MT delete first  | Committed         | 1        |
| 0152               | DHFA enhancement package   | Committed         | 1        |
| 0127               | GSM voicemail support  | Committed         | 1        |
| 0145               | AoC Charging improvements  | Committed         | 2        |
| 0024               | Auto-Read MT-SMS   | Committed         | 1        |
| 0042               | Seamless Power A (External power sources)  | Committed         | 1        |
| 0198               | Smart Key (place/answer calls with Smart Key). Note: answer call with Smart Key is requested for phase 2, once Alex phase 2 supports accessory headset | Committed         | 1        |
| 0165               | Stop Call Alert with Volume Keys   | Committed         | 1        |
| 0025               | Improved Call Divert   | Committed         | 1        |
| 0002               | Phase II MMIC/MMIS   | Committed         | 1        |
| 0003               | Phase II SMS   | Committed         | 1        |
| 0043               | Seamless Power B (DHFA)  | Committed         | 1        |
| 0131               | Delayed Power On & Off flex control  | Committed         | 1        |
| 0004               | IP-SMS management via PC   | Committed         | 1        |
| 0137               | IP-Phonebook   | Committed         | 1        |
| 0082               | Multiparty Calling   | Committed         | 1        |
| 0166               | Call Transfer  | Committed         | 1        |
| 0156               | Service Provider name  | Committed         | 1        |
| N/A                | Support for DSP car kits   | Committed         | 1        |
| N/A                | Invalid battery feature  | Committed         | 1        |
| N/A                | Erase Last 10 numbers when SIM is removed  | Committed         | 1        |
| N/A                | Asian SMS  | Committed         | 1        |
| N/A                | SIM Tool Kit unicode   | Committed         | 1        |
| 0039               | 6 x SIM interface  | Committed         | 1        |
| N/A                | 16K SIM  | Not committed     | 2        |
| 0155               | Increase SIM ADN locations from 155- 255   | Committed         | 1        |
| ?*                 | Increase SIM SMS locations from 35 to 75   | Committed         | 1        |
| 0115               | SMS Delete all messages option   | Committed         | 1        |
| 0023               | MO-SMS reply to MT-SMS   | Committed         | 1        |
| 0014               | SMS Phone book access  | Committed         | 1        |
| ?*                 | Change CLI lookup to use 8 digits  | Committed         | 1        |
| ?*                 | Conference call / call transfer improvement  | Committed         | 1        |
|                    | New Quick Access items   |                   |          |



| Tracking<br>Number | Description                              | Status for launch | Priority |
|--------------------|--|-------------------|----------|
|                    | Show Date                                | Committed         | 1        |
|                    | Show Credit Remaining                    | Committed         | 1        |
|                    | SIM selection                            | Not requested     | 1        |
|                    | Eastern European Language                | Committed         | 1        |
|                    | EFR                                      | Committed         | 1        |
|                    | Asian Subsidy Lock Enhancement           | Committed         | 1        |
|                    | SMS unique Alert Tone                    | Committed         | 1        |
|                    | GSM phase 2 USSD                         |                   | 1        |
|                    | Class 3 SIM Tool Kit Command (Send USSD) |                   | 1        |

Software builds for the Asian and European models will initially be separate. However, the aim is to combine the core feature set builds, with Asian specific features being added afterwards. When this integration is achieved the only differences between the two feature sets will be as follows:

|                        | European Models            | Asian Models  |
|------------------------|----------------------------|---|
| Languages              | Full European Language set | Full European Language set  |
|                        |                            | PLUS  |
|                        |                            | Simplified Chinese<br>Complex Chinese<br>Thai<br>Vietnamese with tonal marks<br>Bahasa - Indonesian                 |
| Additional<br>Features | - none -                   | All Asian SMS Chinese Date Format Chinese PLMN and In country PLMN Roaming Support for two bitmaps: 15x15 and 15x16 |
|                        |                            | SIM Tool Kit Unicode  |

# 4.1 Flexing

See software requirement document version 1.3 (available on Lotus Notes at the following location - EMEA Product Description, Alex Dual Slot StarTAC, Section 8. Appendix.

# 5 MODELS/VERSIONS

### 5.1 New Core Sales Models

| Model Number | Brand | Description |
|--------------|-------|-------------|

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| SE0419AB1** | Motorola | Core Motorola Dual Slot StarTAC Phase 1 |
|-------------|----------|---|
|             | Motorola | Core Motorola Dual Slot StarTAC Phase 2 |

Note: xx = language; cc = colour

# 5.2 Other New Sales Models

The models listed below are described in separate variant product descriptions.

| Model Number | Region<br>Responsible for<br>PD | Short Description                       | Unique<br>Items vs Core   |
|--------------|---------------------------------|---|---|
| SE0420AB1B4  | UK                              | Cellnet / Barclays Dual Slot<br>StarTAC | Co-branded speaker<br>escutcheon (part number:<br>TBD)            |
|              |                                 |   | <ul> <li>Co-branded keypad (part<br/>number: TBD)</li> </ul>      |
|              |                                 |   | <ul> <li>Co-branded box artwork (part<br/>number: TBD)</li> </ul> |
| TBD          | Asia                            | Alex Phase 2 for Nets                   |   |
| TBD          | France                          | Alex Phase 2 for France Telecom         |   |

5.3

#### **New Sales Model Structures**

| Model         | Transceiver                  | Manual   | Accessories   | Other   |
|---------------|------------------------------|--|---|---|
| Alex I hase I | Escutcheons:<br>See Appendix | See below<br>Manual:<br>See Table 1 below<br>Literature Kit: | SNN<br>Mini rae Charger:<br>SPN<br>Plug:<br>See Table 1 below | Holster (Plastic): SYN4653 Generic Art Box: Blue Pulp insert: Flip Escutcheon: See Appendix 2 |
| Alex Phase 2  |                              |  |   |   |

# 5.4 European Model, Charger Plug and Manual Requirements

Manuals will be single color, single language, A6, POD configuration. Table 1. below shows all relevant part numbers. A separate 'Literature Kit' will be structured to take additional leaflets, an Accessories Brochure, Sales Promotions and special Warranty cards. Table 2 shows all relevant part numbers. Where no items are listed in the Literature Kit, the pack does not need to be included; if Accessory leaflets are not available at time of launch, product may still ship.

| Table 1a.<br>Chargers and<br>Manuals | Charger<br>Plug       | Manual                              |             | Priority | Market or<br>Language |
|--------------------------------------|-----------------------|-------------------------------------|-------------|----------|-----------------------|
| Alex Phase 1<br>Country Part N°      |                       | Kit Number                          | Part Number |          |                       |
| SE0419AB1A1                          | SYN4655               | SJN8655A                            | 6809421A26  |          | Danish                |
| SE0419AB1B1                          | SYN6718 or<br>SYN4656 | SJN8656A                            | 6809421A27  |          | English (UK)          |
| SE0419AB1C1                          | SYN4655               | SJN8657A                            | 6809421A28  |          | Finnish               |
| SE0419AB1D1                          | SYN4655               | SJN8658A                            | 6809421A29  |          | Dutch                 |
| SE0419AB1E1                          | SYN4655               | SJN8659A                            | 6809421A30  |          | French                |
| SE0419AB1F1                          | SYN4655               | SJN8660A                            | 6809421A31  |          | German                |
| SE0419AB1G1                          | SYN4655               | SJN8661A                            | 6809421A32  |          | Greek                 |
| SE0419AB1H1                          | SYN4655               | SJN8662A                            | 6809421A33  |          | Italian               |
| SE0419AB1J1                          | SYN4655               | SJN8663A                            | 6809421A34  |          | Norwegian             |
| SE0419AB1K1                          | SYN4655               | SJN8664A                            | 6809421A35  |          | Portuguese            |
| SE0419AB1L1                          | SYN4655               | SJN8665A                            | 6809421A36  |          | Spanish               |
| SE0419AB1M1                          | SYN4655               | SJN8666A                            | 6809421A37  |          | Swedish               |
| SE0419AB1N1                          | SYN4655               | SJN8659A &<br>SJN8658A              |             |          | Belgium<br>Package    |
| SE0419AB1P1                          | SYN4655               | SJN8656A,<br>SJN8659A &<br>SJN8662A |             |          | Swiss Package         |
| SE0419AB1Q1                          | SYN4655               | SJN8667A                            | 6809421A38  |          | Turkish               |



| Table 1a.<br>Chargers and<br>Manuals | Charger<br>Plug       | Ma                                  | Manual                         |  | Market or<br>Language       |
|--------------------------------------|-----------------------|-------------------------------------|--------------------------------|--|-----------------------------|
| Alex Phase 1<br>Country Part N°      |                       | Kit Number                          | Part Number                    |  |                             |
| SE0419AB1R1                          | SYN4655               | SJN8668A                            | 6809421A39                     |  | Hungarian                   |
| SE0419AB1S1                          | SYN4655               | SJN8669A                            | 6809421A40                     |  | Slovakian                   |
| Other models                         | n/a                   | SJN8670A                            | 6809421A41                     |  | Arabic                      |
| SE0419AB1T1                          | SYN4655               | SJN8656A,<br>SJN8659A &<br>SJN8670A | English,<br>French &<br>Arabic |  | North Africa<br>Package     |
| SE0419AB1U1                          | SYN4655               | SJN8671A                            | 6809421A42                     |  | Russian                     |
| SE0419AB1V1                          | SYN4655               | SJN8672A                            | 6809421A43                     |  | Lithuanian                  |
| SE0419AB1W1                          | SYN4655               | SJN8673A                            | 6809421A44                     |  | Polish                      |
| SE0419AB1Y1                          | SYN4655               | SJN8674A                            | 6809421A45                     |  | Czech                       |
| SE0419AB1Z1                          | SYN4655               | None                                | None                           |  | No language                 |
| SE0419AB1B2                          | SYN4655               |                                     |                                |  | English for<br>South Africa |
| SE0419AB1C2                          | SYN4655               | SJN8675A                            | 6809421A46                     |  | Croatian                    |
| SE0419AB1F2                          | SYN4655               |                                     |                                |  | German for<br>Austria       |
| SE0419AB1G2                          | SYN6718 or<br>SYN4656 |                                     |                                |  | Cyprus                      |
| SE0419AB1P2                          | SYN4655               | SJN8676A                            | 6809421A47                     |  | Romanian                    |
| SE0419AB1S2                          | SYN4655               | SJN8677A                            | 6809421A48                     |  | Slovenian                   |
| SE0419AB1T2                          | SYN6718 or<br>SYN4656 | SJN8656A,<br>SJN8659A &<br>SJN8670A | English,<br>French &<br>arabic |  | Gulf States<br>Package      |
| SE0419AB1U2                          | SYN4655               | SJN8678A                            | 6809421A49                     |  | Ukrainian                   |
| SE0419AB1X2                          | SYN4655               | SJN8679A                            | 6809421A50                     |  | Israeli                     |
| SE0419AB1Z2                          | SYN6718 or<br>SYN4656 | None                                | None                           |  | No language                 |
| SE0419AB1A3                          | SYN4655               | SJN8680A                            | 6809421A51                     |  | Latvian                     |
| SE0419AB1C3                          | SYN4655               | SJN8681A                            | 6809421A52                     |  | Estonian                    |
| SE0419AB1A4                          | SYN4655               | SJN8682A                            | 6809421A53                     |  | Bulgarian                   |

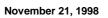
| Table 1b.<br>Chargers and<br>Manuals | Charger<br>Plug | Manual     |             | Priority | Market or<br>Language |
|--------------------------------------|-----------------|------------|-------------|----------|-----------------------|
| Alex Phase 2<br>Country Part N°      |                 | Kit Number | Part Number |          |                       |
|                                      | SYN4655         |            |             |          | Danish                |
|                                      | SYN6718 or      |            |             |          | English (UK)          |

| Table 1b.<br>Chargers and<br>Manuals | Charger<br>Plug       | Manual     |             | Priority | Market or<br>Language       |
|--------------------------------------|-----------------------|------------|-------------|----------|-----------------------------|
| Alex Phase 2<br>Country Part N°      |                       | Kit Number | Part Number |          |                             |
|                                      | SYN4656               |            |             |          |                             |
|                                      | SYN4655               |            |             |          | Finnish                     |
|                                      | SYN4655               |            |             |          | Dutch                       |
|                                      | SYN4655               |            |             |          | French                      |
|                                      | SYN4655               |            |             |          | German                      |
|                                      | SYN4655               |            |             |          | Greek                       |
|                                      | SYN4655               |            |             |          | Italian                     |
|                                      | SYN4655               |            |             |          | Norwegian                   |
|                                      | SYN4655               |            |             |          | Portuguese                  |
|                                      | SYN4655               |            |             |          | Spanish                     |
|                                      | SYN4655               |            |             |          | Swedish                     |
|                                      | SYN4655               |            |             |          | Belgium<br>Package          |
|                                      | SYN4655               |            |             |          | Swiss Package               |
|                                      | SYN4655               |            |             |          | Turkish                     |
|                                      | SYN4655               |            |             |          | Hungarian                   |
|                                      | SYN4655               |            |             |          | Slovakian                   |
|                                      | n/a                   |            |             |          | Arabic                      |
|                                      | SYN4655               |            |             |          | North Africa<br>Package     |
|                                      | SYN4655               |            |             |          | Russian                     |
|                                      | SYN4655               |            |             |          | Lithuanian                  |
|                                      | SYN4655               |            |             |          | Polish                      |
|                                      | SYN4655               |            |             |          | Czech                       |
|                                      | SYN4655               |            |             |          | No language                 |
|                                      | SYN4655               |            |             |          | English for<br>South Africa |
|                                      | SYN4655               |            |             |          | Croatian                    |
|                                      | SYN4655               |            |             |          | German for<br>Austria       |
|                                      | SYN6718 or<br>SYN4656 |            |             |          | Cyprus                      |
|                                      | SYN4655               |            |             |          | Romanian                    |
|                                      | SYN4655               |            |             |          | Slovenian                   |
|                                      | SYN6718 or<br>SYN4656 |            |             |          | Gulf States<br>Package      |
|                                      | SYN4655               |            |             |          | Ukrainian                   |



| Table 1b.<br>Chargers and<br>Manuals | Charger<br>Plug       | Manual     |             | Priority | Market or<br>Language |
|--------------------------------------|-----------------------|------------|-------------|----------|-----------------------|
| Alex Phase 2<br>Country Part N°      |                       | Kit Number | Part Number |          |                       |
|                                      | SYN4655               |            |             |          | Israeli               |
|                                      | SYN6718 or<br>SYN4656 |            |             |          | No language           |
|                                      | SYN4655               |            |             |          | Latvian               |
|                                      | SYN4655               |            |             |          | Estonian              |
|                                      | SYN4655               |            |             |          | Bulgarian             |

| Table 2: Literature Kits | Kit<br>Number | Market                                     | Kit  |
|--------------------------|---------------|--|--|
| Alex<br>Country Part N°  |               |  | Contents   |
| SE0419AB1A1              |               | Denmark                                    | Accessory Leaflet -  |
|                          | SJN8591AB2    | Generic English                            | Accessory Leaflet – 68P09415A86  |
| SE0419AB1B1              | SJN7832B      | UK   | Accessory Leaflet – 68P09415A86<br>Registration Card – 6809408A20  |
| SE0419AB1C1              |               | Finland                                    | Accessory Leaflet -  |
| SE0419AB1D1              | SJN7836A      | Netherlands                                | Accessory Leaflet -<br>Registration Card – 6809408A24  |
| SE0419AB1E1              | SJN7833A      | France                                     | Accessory Leaflet - 68P09415A89<br>Registration Card – 6809408A21  |
| SE0419AB1F1              | SJN7829B      | Germany                                    | Accessory Leaflet – 68P09415A90<br>Registration Card – 6809408A22<br>24 Hour Service – 68P09405A07   |
| SE0419AB1G1              |               | Greece                                     | Accessory Leaflet -  |
| SE0419AB1H1              | SJN7831B      | Italy                                      | Accessory Leaflet – 68P09415A92  |
| SE0419AB1J1              |               | Norway                                     | Accessory Leaflet -  |
| SE0419AB1K1              | SJN7912A      | Portugal                                   | Accessory Leaflet -<br>Warranty Card – 68P09405A09   |
| SE0419AB1L1              | SJN7834B      | Spain                                      | Accessory Leaflet – 68P09415A95<br>Registration Card – 6809408A23<br>Warranty Card – 68P09405A08   |
| SE0419AB1M1              |               | Sweden                                     | Accessory Leaflet -  |
| SE0419AB1N1              |               | Belgium                                    | Accessory Leaflet -  |
| SE0419AB1P1              | SJN8274B      | Switzerland<br>French<br>German<br>Italian | Accessory Leaflet – 68P09415A89<br>Accessory Leaflet – 68P09415A90<br>Accessory Leaflet – 68P09415A92<br>Warranty Card – 68P09413A83<br>Warranty Card – 68P09413A81<br>Warranty Card – 68P09413A82 |
| SE0419AB1Q1              |               | Turkey                                     | Accessory Leaflet -  |
| SE0419AB1R1              |               | Hungary                                    | Accessory Leaflet -  |
| SE0419AB1S1              |               | Slovakia                                   | Accessory Leaflet -  |
|                          |               | Arab/Eng./French                           | Accessory Leaflet -  |
| SE0419AB1T1              |               | North Africa                               | Accessory Leaflet -  |
| SE0419AB1U1              |               | Russia                                     | Accessory Leaflet -  |
| SE0419AB1V1              |               | Lithuania                                  | Accessory Leaflet –  |
| SE0419AB1W1              |               | Poland                                     | Accessory Leaflet -  |
| SE0419AB1Y1              |               | Czech Republic                             | Accessory Leaflet -  |
| SE0419AB1Z1              | none          | Generic- Euro Plug                         | None   |
| SE0419AB1B2              |               | South Africa                               | Accessory Leaflet -  |





| <b>Table 2: Literature Kits</b> | Kit<br>Number | Market           | Kit   |
|---------------------------------|---------------|------------------|---|
| Alex<br>Country Part N°         |               |                  | Contents  |
| SE0419AB1C2                     |               | Croatia          | Accessory Leaflet -   |
| SE0419AB1F2                     | SJN7830B      | Austria          | Accessory Leaflet – 68P09415A90<br>Registration Card -<br>24 Hour Service – 68P09414A16 |
| SE0419AB1G2                     |               | Cyprus           | Accessory Leaflet -   |
| SE0419AB1P2                     |               | Romania          | Accessory Leaflet -   |
| SE0419AB1S2                     |               | Slovenia         | Accessory Leaflet -   |
| SE0419AB1T2                     |               | Gulf States      | Accessory Leaflet -   |
| SE0419AB1U2                     |               | Ukraine          | Accessory Leaflet -<br>Invalid Battery -  |
| SE0419AB1X2                     |               | Israel           | Accessory Leaflet -   |
| SE0419AB1Z2                     | none          | Generic- UK Plug | None  |
| SE0419AB1A3                     |               | Latvia           | Accessory Leaflet -   |
| SE0419AB1C3                     |               | Estonia          | Accessory Leaflet -   |
| SE0419AB1A4                     |               | Bulgaria         | Accessory Leaflet -   |

Note: Italian packages also require the following unique items added to their BOMS:

- 1 x Loyalty Card (68P09413A84)
- 2 x Security stickers (5402318T04)

# 5.5 Service Requirements

The following items are required for service:

|   | Alex Phase 1 | Alex Phase 2 |
|---|--------------|--------------|
| A Service Transceiver with IMEI, with no accessories / manual /etc          |              |              |
| A spare Printed Circuit Board (PCB), fully phased and tested, with an IMEI. |              |              |

# 6 PACKAGING/LABELLING REQUIREMENTS

# 6.1 Box sizes and packaging materials

Carton Top

In all regions, a half Rae style box size will be used.

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All regions will use a new carton cover design consistent with the "Wings" brand / advertising campaign. The artwork has been generated by the advertising agency, McCann-Erickson, and approved for use. Because Distribution centers use different carton formats, two part numbers may be required:

Carton Top part number with Wings design, 2 piece design: TBD Carton Top part number with Wings design, 1 piece design: TBD

#### Insert

The insert for the current StarTAC 85 / 70 product will be used for the 2-piece design.

Pulp tray insert part number, 2-piece design: 5609034K01.

All packaging materials should be environmentally friendly. The Pulp insert may be colored Motorola blue.

Artwork: for Stage I, WINGS branded artwork will be defined.

6.2

#### Labels

Transceiver labels placed in the factory will include ' $_{\grave{o}}$  MOTOROLA' and 'Made in ....'.

Transceiver labels placed in Distribution will include the following information:

'Model: ' plus model number

'Type: ' plus Type name

'MSN: ' plus MSN in human readable format

'IMEI: ' plus IMEI in human readable format (with section spacers and check digit)

IMEI in bar code 128 format

'CE0168X' in characters a minimum of 5mm in height

Space must be allowed for the code 'S/L' for SIM Locked models and for co-branding operator names of up to 10 letters.

European Box labels will include the following:

'Made in .... ' in the header

'Motorola' plus product name (ie 'StarTAC xxx')

'GSM900' in the header

'CE' in the header

Der Grüne Punkt mark in the header

Sequence number in human readable and bar code (format 39)

Model number in human readable and bar code (format 39)

MSN in human readable and bar code (format 39)

IMEI in human readable (with section spacers and check digit) and bar code (format 39)

EAN in human readable and bar code

T-Options in human readable and bar code

Space must be allowed for the OBO text.

NOTE: The presentation of IMEI will be the new Phase II format, which matches the IMEI is the display (ie with 15th check digit) in all human readable forms.

#### 6.3 EANs

Black models will be defined for all countries; other colors will be defined as required.

| Mkt/Colour                            | Alex        | EAN | Mkt/Colour                                 | Alex        | EAN |
|---------------------------------------|-------------|-----|--|-------------|-----|
| Denmark: - Black -TBD -TBD            | SE0419AB1A1 |     | Poland:<br>- Black<br>- TBD<br>- TBD       | SE0419AB1W1 |     |
| UK:<br>- Black<br>- TBD<br>- TBD      | SE0419AB1B1 |     | Czech Rep. :<br>- Black<br>- TBD<br>- TBD  | SE0419AB1Y1 |     |
| Finland:<br>- Black<br>- TBD<br>- TBD | SE0419AB1C1 |     | No Ln (Euro):<br>- Black<br>- TBD<br>- TBD | SE0419AB1Z1 |     |
| Netherlands:<br>- Black               | SE0419AB1D1 |     | South Africa:<br>- Black                   | SE0419AB1B2 |     |

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| Mkt/Colour                                 | Alex        | EAN | Mkt/Colour                               | Alex        | EAN |
|--|-------------|-----|--|-------------|-----|
| - TBD<br>- TBD                             |             |     | - TBD<br>- TBD                           |             |     |
| France: - Black - TBD - TBD                | SE0419AB1E1 |     | Croatia:<br>- Black<br>- TBD<br>- TBD    | SE0419AB1C2 |     |
| Germany:<br>Black<br>- TBD<br>- TBD        | SE0419AB1F1 |     | Austria:<br>- Black<br>- TBD<br>- TBD    | SE0419AB1F2 |     |
| Greece: - Black - TBD - TBD                | SE0419AB1G1 |     | Cyprus:<br>- Black<br>- TBD<br>- TBD     | SE0419AB1G2 |     |
| Italy:<br>- Black<br>- TBD<br>- TBD        | SE0419AB1H1 |     | Romania:<br>- Black<br>- TBD<br>- TBD    | SE0419AB1P2 |     |
| Norway:<br>- Black<br>- TBD<br>- TBD       | SE0419AB1J1 |     | Slovenia:<br>- Black<br>- TBD<br>- TBD   | SE0419AB1S2 |     |
| Portugal:<br>- Black<br>- TBD<br>- TBD     | SE0419AB1K1 |     | ME (Gulf) - Black - TBD - TBD            | SE0419AB1T2 |     |
| Spain:<br>- Black<br>- TBD<br>- TBD        | SE0419AB1L1 |     | Ukraine:<br>- Black<br>- TBD<br>- TBD    | SE0419AB1U2 |     |
| Sweden: - Black - TBD - TBD                | SE0419AB1M1 |     | Israel:<br>- Black<br>- TBD<br>- TBD     | SE0419AB1X2 |     |
| Belgium:<br>- Black<br>- TBD<br>- TBD      | SE0419AB1N1 |     | No Ln (UK):<br>- Black<br>- TBD<br>- TBD | SE0419AB1Z2 |     |
| Switzerland:<br>- Black<br>- TBD<br>- TBD  | SE0419AB1P1 |     | Latvia:<br>- Black<br>- TBD<br>- TBD     | SE0419AB1A3 |     |
| Turkey: - Black - TBD - TBD                | SE0419AB1Q1 |     | Estonia:<br>- Black<br>- TBD<br>- TBD    | SE0419AB1C3 |     |
| Hungary:<br>- Black<br>- TBD<br>- TBD      | SE0419AB1R1 |     | Bulgaria:<br>- Black<br>- TBD<br>- TBD   | SE0419AB1A4 |     |
| Slovak Rep. :<br>- Black<br>- TBD<br>- TBD | SE0419AB1S1 |     | Russia:<br>- Black<br>- TBD<br>- TBD     | SE0419AB1U1 |     |



| Mkt/Colour | Alex        | EAN | Mkt/Colour | Alex        | EAN |
|------------|-------------|-----|------------|-------------|-----|
| ` /        | SE0419AB1T2 |     |            | SE0419AB1V1 |     |
| - Black    |             |     | - Black    |             |     |
| - TBD      |             |     | - TBD      |             |     |
| - TBD      |             |     | - TBD      |             |     |

**Motorola Confidential Proprietary** 

# PRODUCT NAME/MARKET NAME

**TBD** 

#### 8 SAMPLE SCHEDULE

This list will be constantly updated as new requirements are submitted.

# 9 TYPE APPROVAL

Full Phase II Type Approval will be necessary. Type approval should simultaneously be sought in Asia. Type approval should then be supported and obtained in the following countries outside the European Community:

- Russia - Hungary - Poland

- Ukraine - Israel

The phone, the Rapid Travel Charger and Data accessories must also have CE approval. All models must be Year 2000 compliant.

# 10 ACCESSORIES & COMPATIBILITY

All accessories are already available, unless otherwise stated.

# 10.1 Current

| Part Number | POS Number    | Name                                      |
|-------------|---------------|---|
| SYN4241     | CLA9000       | Cigarette Lighter Adapter                 |
| SPN4325     | CHA9100       | Desktop charger                           |
| SPN4278     | CHA9000 (Eur) | Universal Rapid Travel Charger            |
|             | CHA9010 (UK)  |   |
| SYN6718     | n/a           | UK Plug                                   |
| SYN4655     | n/a           | Euro Plug                                 |
| SYN4694     | n/a           | Aus/NZ Plug                               |
| SYN4696     | n/a           | Indian Plug                               |
| SYN4657     | n/a           | US Plug                                   |
| SKN4821     | n/a           | PC Card to Phone Connector Cable          |
| S6112       | PCC9100       | CELLect™ 1+ German/English                |
| S6113       | n/a           | CELLect <sup>TM</sup> 1+ French           |
| S6114       | n/a           | CELLect <sup>™</sup> 1+ Italian / Spanish |
| CD1181      | n/a           | CELLect™ 3 Denmark                        |
| CD1177      | n/a           | CELLect <sup>™</sup> 3 Germany            |
| CD1183      | n/a           | CELLect™ 3 Finland                        |
| CD1179      | n/a           | CELLect™ 3 France                         |
| CD1175      | n/a           | CELLect <sup>™</sup> 3 Italy              |

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| Part Number | POS Number | Name                                       |
|-------------|------------|--|
| CD1182      | n/a        | CELLect™ 3 Norway                          |
| CD1178      | n/a        | CELLect™ 3 Sweden                          |
| CD1180      | n/a        | CELLect <sup>TM</sup> 3 Switzerland        |
| CD1176      | PCC9300    | CELLect™ 3 UK                              |
| SNN4937     | BLM9050    | Slim 500 mAh LiIon main battery            |
| SNN4936     | BLM9050    | XCap 900 mAh main LiIon battery            |
| SNN4938     | BNM9050    | Standard 500 mAh main NiMH battery         |
| SNN4867     | BLA9090    | Standard 900 mAh LiIon auxiliary battery   |
| SNN4938     | BNA9100    | XCap 1000 mAh NiMH auxiliary battery       |
| CD1259      | HFK9300    | Deluxe DSP car kit with external handset   |
| CD1261      | HFK9200    | Standard DSP car kit                       |
| S7059       |            | External Handset for DSP car kit           |
| SYN5378     |            | Standard belt clip (for auxiliary battery) |
| SYN4653     | CCA9100    | Slim belt clip (for main batteries only)   |
| SYN6456     | CCA9000    | Leather Pouch                              |
| SLN3940     | HSK6000    | Headset Adapter and                        |
|             |            | Headset/Microphone for Alex Phase 2        |
|             | PCC6000    | SmartCellect soft modem                    |

# 11 APPENDIX 1: DESIGN & FLEX

# A1 Diagram of Alex



# **A2** Initial Colored Housing Requirements

| Alex                             | Black              | TBD | TBD |
|----------------------------------|--------------------|-----|-----|
|                                  |                    |     |     |
| Lens Part Number                 | Same as StarTAC 85 |     |     |
| Lens Surround                    | Black              |     |     |
| Lens Printing                    | Gold Pantone xxx   |     |     |
|                                  |                    |     |     |
| Front Escutcheon Part Number     | Same as StarTAC 85 |     |     |
| Front Escutcheon Background      | Black              |     |     |
| Front Escutcheon Printing Finish | Relief             |     |     |
| Front Escutcheon Printing        | Gold Pantone xxx   |     |     |
|                                  |                    |     |     |
| Earpiece Escutcheon Part Number  |                    |     |     |
| Back Escutcheon Background       | Black              |     |     |
| Earpiece Escutcheon Printing     | Gold Pantone xxx   |     |     |
|                                  |                    |     |     |
| Keypad Part Number               | 38-09105S          |     |     |
| Keypad Background                | Black              |     |     |
| Keypad Printing                  | Orche Gold Pantone |     |     |
|                                  | 465C               |     |     |
|                                  | White              |     |     |
|                                  | Red Pantone 192C   |     |     |
|                                  | Green Pantone 354C |     |     |
|                                  |                    |     |     |

A3 Flexing Defaults
Below is a list of the most important default flexing settings:

| Feature                   | Flex Default                                   |  |  |  |
|---------------------------|--|--|--|--|
| Operating Bands           | GSM 900  |  |  |  |
| Network Selection         | Automatic                                      |  |  |  |
| Network Search Frequency  | Medium   |  |  |  |
| SIM Lock                  | None   |  |  |  |
| Home Zone                 | None   |  |  |  |
| VMWI Type                 | GSM Phase II+ implementation (if supported)    |  |  |  |
| Emergency Number          | 112  |  |  |  |
| Data                      | 9600 baud                                      |  |  |  |
| Extended Menus            | Off  |  |  |  |
| Ringer                    | Standard Tone                                  |  |  |  |
| Ringer Volume             | Maximum  |  |  |  |
| Earpiece Volume           | Maximum  |  |  |  |
| Keypad Tone               | Normal Tones                                   |  |  |  |
| Greeting Tone             | On   |  |  |  |
| Language                  | Automatic                                      |  |  |  |
| Keypad Lock               | Flip locks keypad when closed                  |  |  |  |
| Key Answer Only           | Off  |  |  |  |
| Phone Lock                | Off  |  |  |  |
| Phone Lock Number         | 1234   |  |  |  |
| Security Code             | 000000   |  |  |  |
| Battery Saving Mode       | On   |  |  |  |
| In-Call Display           | Off  |  |  |  |
| Single Alert Timer Length | 30 seconds                                     |  |  |  |
| Repetitive Timer Length   | 60 seconds                                     |  |  |  |
| Phone Book Access         | No Restrictions                                |  |  |  |
| CLI Alpha Tag Lookup      | On   |  |  |  |
| One-Touch dialing         | to SIM Memory                                  |  |  |  |
| Quick Access              | User definable                                 |  |  |  |
| Voicemail Number          | from Phone Memory                              |  |  |  |
| LED Status Indicator      | On   |  |  |  |
| Power key delays          | Delay on Power On and Power Off (if supported) |  |  |  |

Wake Up Graphics:

Motorola ssm. **Stor**TAC GSM900 Alex, Issue 1.0 PRODUCT DESC

|    | 3.4    | ъ.     |        |
|----|--------|--------|--------|
| ۱4 | Vienii | Requir | ements |

| QA   | MENU   |  |   |  |  |   |   |     |
|--|--|--|---|--|--|---|---|-----|
| Quick Access                               | Phonebook  | Call Related Features                        | Messages                                    | Phone Setup  | Network Selection                            | Call Meters   | Accessory Setup                         |     |
| Assigned Functions:                        | <ul> <li>Personal Numbers</li> </ul>               | Show Battery Meter                           | Call Voicemail                              | Select Phone Line                                    | Available Networks                           | Show Call Charges <sup>2</sup>                          | Mute Car Radio                          | 1   |
| 1- Find Name                               | <ul> <li>Find Entry By Name</li> </ul>             | <ul> <li>Restrict My Phone Number</li> </ul> | <ul> <li>Received Messages</li> </ul>       | Line 1   | <ul><li>&lt; PLMN List &gt;</li></ul>        | Show Last Call  | <ul> <li>On/Off</li> </ul>              |     |
| 2- Add to SIM                              | <ul> <li>&lt; Personal Numbers &gt;</li> </ul>     | <ul> <li>Show ID On Next Call</li> </ul>     | <ul> <li>&lt; Message List &gt;</li> </ul>  | Line 2   | <ul> <li>Register Now</li> </ul>             | <ul> <li>Total For All Calls</li> </ul>                 | <ul> <li>Automatic Answer</li> </ul>    | ľ   |
| 3- Outgoing Messages                       | <ul> <li>Call Number</li> </ul>                    | <ul> <li>Restrict ID On Next Call</li> </ul> | <ul> <li>Delete Message</li> </ul>          | <ul> <li>Adjust Ring Volume</li> </ul>               | <ul> <li>Make Preferred</li> </ul>           | <ul> <li>Credit Remaining</li> </ul>                    | <ul> <li>On/Off</li> </ul>              |     |
| 4- Battery Meter                           | <ul> <li>Modify Name or No</li> </ul>              | <ul> <li>Call Diverting</li> </ul>           | Return Call                                 | <ul> <li>&lt; Volume Keys &gt;</li> </ul>            | Network Search                               | Show Call Timers  | <ul> <li>Automatic Handsfree</li> </ul> |     |
| 5- Phone Lock Now                          | <ul> <li>Erase Name and No</li> </ul>              |  | <ul> <li>Edit Message</li> </ul>            | <ul> <li>Ring or Vibrate</li> </ul>                  | <ul> <li>Registration Preferences</li> </ul> | <ul> <li>Show Last Call</li> </ul>                      | On/Off                                  |     |
| 6- Mute On/Off                             | <ul> <li>Find Entry By Location</li> </ul>         | <ul> <li>Divert When Unavail.</li> </ul>     | <ul> <li>&lt; Message Editor&gt;</li> </ul> | <ul> <li>Ring Only</li> </ul>                        | <ul> <li>Automatic Search</li> </ul>         | <ul> <li>Total For All Calls</li> </ul>                 | <ul> <li>Safety Timer</li> </ul>        |     |
| 7- Read Messages                           | <ul> <li>&lt; Personal Numbers &gt;</li> </ul>     | Submenu-1                                    | <ul> <li>Send Message</li> </ul>            | <ul> <li>Vibrate Only</li> </ul>                     | <ul> <li>Manual Search</li> </ul>            | <ul> <li>Reset All Timers</li> </ul>                    | On/Off                                  | į   |
| 8- Vibrate On/Off                          | <ul> <li>Call Number</li> </ul>                    | <ul> <li>Divert All Voice Calls</li> </ul>   | <ul> <li>Store Message</li> </ul>           | <ul> <li>Vibrate Then Ring</li> </ul>                | <ul> <li>Frequency of Search</li> </ul>      | <ul> <li>Set Audible Call Timers</li> </ul>             | <ul> <li>Auxiliary Alert</li> </ul>     | ı   |
| 9- Divert On/Off                           | <ul> <li>Modify Name or No</li> </ul>              | Submenu-1                                    | <ul> <li>Go To Next Message</li> </ul>      | <ul> <li>No Ring Or Vibrate</li> </ul>               | Slow Search                                  | <ul> <li>Single Alert Timer</li> </ul>                  | On/Off                                  | ŀ   |
|  | <ul> <li>Erase Name and No</li> </ul>              | <ul> <li>Detailed Diverting</li> </ul>       | <ul> <li>Outgoing Messages</li> </ul>       | Ringer On or Off                                     | Medium Search                                | <ul> <li>On/Off</li> </ul>                              |   |     |
| Available Functions:                       | <ul> <li>Add Entry</li> </ul>                      | If Busy                                      | <ul> <li>&lt; Message List &gt;</li> </ul>  | On/Off   | Fast Search                                  | <ul> <li>Repetitive Timer</li> </ul>                    |   |     |
| Find by Name                               | <ul> <li>Add To Phone Memory</li> </ul>            | Submenu-1                                    | <ul> <li>Send Message</li> </ul>            | Set Ringer Tone                                      | Continuous Search                            | <ul> <li>On/Off</li> </ul>                              |   | (   |
| <ul> <li>Find by Location</li> </ul>       | <ul> <li>Add To SIM Card Mem</li> </ul>            | <ul> <li>If Not Reachable</li> </ul>         | <ul> <li>Edit Message</li> </ul>            | <ul> <li>Standard Tone etc</li> </ul>                | Preferred Networks                           | <ul> <li>Set In-Call Display</li> </ul>                 |   | ,   |
| <ul> <li>Add Entry to Phone</li> </ul>     | <ul> <li>Check Capacity</li> </ul>                 | Submenu-1                                    | <ul> <li>&lt; Message Editor&gt;</li> </ul> | Phone Lock   | <ul> <li>Add Network To List</li> </ul>      | <ul> <li>Show Time Per Call</li> </ul>                  |   | ı,  |
| <ul> <li>Add Entry to SIM</li> </ul>       | <ul> <li>Check Phone Capacity</li> </ul>           | <ul> <li>If No Answer</li> </ul>             | <ul> <li>Send Message</li> </ul>            | <ul> <li>Automatic Lock</li> </ul>                   | Choose From Available                        | <ul> <li>Show Charge Per Call<sup>2</sup></li> </ul>    |   | l   |
| Battery Meter                              | <ul> <li>Check SIM Capacity</li> </ul>             | Submenu-1                                    | <ul> <li>Store Message</li> </ul>           | On/Off   | Choose From Known                            | <ul> <li>Show Total Call Charges<sup>2</sup></li> </ul> |   | þ   |
| <ul> <li>Phone Lock Now</li> </ul>         | <ul> <li>Prevent Access</li> </ul>                 | <ul> <li>Divert Fax Calls</li> </ul>         | <ul> <li>Delete Message</li> </ul>          | <ul> <li>Lock Now</li> </ul>                         | Add New Network code                         | <ul> <li>No In-Call Display</li> </ul>                  |   | ı   |
| Phone Mute On/Off                          | <ul> <li>To SIM Card Memory</li> </ul>             | Submenu-1                                    | <ul> <li>Go To Next Message</li> </ul>      | <ul> <li>Change Unlock Code</li> </ul>               | Show List Of Networks                        | <ul> <li>Call Charge Settings<sup>2</sup></li> </ul>    |   |     |
| Ring Volume                                | <ul> <li>To Phone Memory</li> </ul>                | <ul> <li>Divert Data Calls</li> </ul>        | <ul> <li>Message Editor</li> </ul>          | <ul> <li>Require SIM Card PIN</li> </ul>             | PLMN List >                                  | <ul><li>&lt; Enter PIN2 &gt;</li></ul>                  |   | ľ   |
| Vibracall On/Off                           | <ul> <li>To Phone &amp; SIM Mem</li> </ul>         | Submenu-1                                    | <ul> <li>Send Message</li> </ul>            | On/Off   | <ul> <li>Move To New Locn.</li> </ul>        | <ul> <li>Reset Call Charges</li> </ul>                  |   |     |
| Ringer On/Off                              | <ul> <li>No Memory Restriction</li> </ul>          | <ul> <li>Cancel All Diverting</li> </ul>     | <ul> <li>Store Message</li> </ul>           | <ul> <li>Change SIM PIN Code</li> </ul>              | Delete Selection                             | <ul> <li>Set Total Charge Limit</li> </ul>              |   |     |
| <ul> <li>Divert All Voice Calls</li> </ul> | Copy SIM Memory                                    | SIM selection                                | <ul> <li>Cell Broadcast</li> </ul>          | <ul> <li>Change SIM PIN2 Code<sup>2</sup></li> </ul> | Find New Network                             | <ul> <li>On/Off</li> </ul>                              |   |     |
| <ul> <li>Switch Memory</li> </ul>          | <ul> <li>Show Services</li> </ul>                  | Select Active SIM                            | On/Off                                      | <ul> <li>New Security Code</li> </ul>                |  | <ul> <li>Set Charge Type</li> </ul>                     |   |     |
| <ul> <li>Read Messages</li> </ul>          | <ul> <li>Last Ten Calls</li> </ul>                 | • SIM 1                                      | <ul> <li>Message Settings</li> </ul>        | <ul> <li>Extended Menus</li> </ul>                   |  | <ul> <li>Units</li> </ul>                               |   |     |
| <ul> <li>Outgoing Messages</li> </ul>      | <ul> <li>Last Calls Made</li> </ul>                | • SIM2                                       | <ul> <li>Voicemail Number</li> </ul>        | On/Off   |  | Currency  |   |     |
| Message Editor                             | <ul> <li>Last Calls Received</li> </ul>            | Select Default SIM                           | Service Centre                              | Show Time and Date                                   |  | Lifetime Timer  |   |     |
| <ul> <li>Last Calls Received</li> </ul>    | <ul> <li>Erase All Numbers</li> </ul>              | • SIM 1                                      | <ul> <li>Expiry Period</li> </ul>           | Set Time and Date                                    |  |   |   |     |
| <ul> <li>Last Call Charge</li> </ul>       | <ul> <li>My Phone Number(s)</li> </ul>             | • SIM 2                                      | <ul> <li>Outgoing Message Type</li> </ul>   | Set Time Format                                      |  |   |   |     |
| <ul> <li>Last Call Timer</li> </ul>        | <ul> <li>&lt; MSISDN List &gt;</li> </ul>          | •Talk and Fax                                | Text  | Language Selection                                   |  |   |   |     |
| Talk and Fax                               | <ul> <li>Fixed Dialing<sup>2</sup></li> </ul>      | On/Off                                       | • Fax                                       | Dansk  |  |   |   |     |
| Show My ID Next Call                       | <ul> <li>View Fixed Dial List</li> </ul>           | Call Waiting                                 | • X400                                      |  |  |   |   |     |
| <ul> <li>Restrict my ID</li> </ul>         | <ul> <li>&lt; Fixed Dial List &gt;</li> </ul>      | On/Off                                       | <ul> <li>Paging</li> </ul>                  | ***  |  |   |   |     |
| Key Answer Only                            | <ul> <li>Setup Fixed Dialling</li> </ul>           | Call Barring                                 | E-mail                                      | Türkce   |  |   |   |     |
| SIM selection                              | <ul><li>&lt; Enter PIN2 &gt;</li></ul>             | Bar Outgoing Calls                           | <ul> <li>ERMES</li> </ul>                   | Automatic  |  |   |   |     |
|  | • On   | Int'l Calls                                  | <ul> <li>Voice</li> </ul>                   | Change Greeting                                      |  |   |   |     |
|  | <ul> <li>Off</li> </ul>                            | Int'l Calls Ex Home                          |   | Battery Saving Mode                                  |  |   |   |     |
|  | <ul> <li>Edit Entry</li> </ul>                     | All Calls                                    |   | On/Off   |  |   |   |     |
|  | <ul> <li>&lt; Fixed Dial List &gt;</li> </ul>      |  |   | Select Keypad Tones                                  |  |   |   |     |
|  | <ul> <li>Add Entry</li> </ul>                      | • Off  |   | Normal Tones   |  |   |   |     |
|  | <ul> <li>Erase Entry</li> </ul>                    | Bar Incoming Calls                           |   | Single Tones   |  |   |   |     |
|  | <ul> <li>One Touch Dial Setting</li> </ul>         | When Roaming                                 |   | No Tones   |  |   |   |     |
|  | <ul> <li>To Phone Memory</li> </ul>                | All Calls                                    |   |  |  |   | Submenu-1                               | - [ |
|  | To SIM Card  | • Off  |   | Phone Status   |  |   | • On                                    |     |
|  | <ul> <li>To Fixed Dial List<sup>2</sup></li> </ul> | <ul> <li>Cancel All Barring</li> </ul>       |   | Status Review  |  |   | Voicemail                               |     |
|  |  | <ul> <li>Change Bar Password</li> </ul>      |   | Master Reset   |  |   | <ul> <li>Other Number</li> </ul>        |     |
|  |  | <ul> <li>Key Answer Only</li> </ul>          |   | Master Clear   |  |   | • Off                                   | - [ |
|  |  | • On   |   |  |  |   |   |     |
|  | 1  | Off  |   |  |  |   |   | ı   |

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