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# Product Description



## GSM Zap and Zap C (Refresh)

Created By: Jim Filicette-WJF005 on 22/04/98 at 16:21  
Category: Review

**Version Number: 4**

**Hot Spot** to PR Number Assignment database. This Hot Spot for use by ECSG personnel only.  
[Click in Hot Spot](#), [to view](#), or [to generate a request for a Product Release \(PR\) number](#).

**PR Number: A74-01 A74-02**

**Motorola Confidential Proprietary**

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Insert Table in field below to define key changes. Go to Menu -> Create -> Table. Make table 4 columns wide.  
 Enter brief summary of any updates below:

**Change Control:**

Version Number	Date	Editor	Key Changes
1	4/22/98	Jim Filicette	Initial release of Zap refresh
2	5/25/98	Jim Filicette	Revisions to MMI per Steve Akin's 5/22/98 email. Add Tri-Codec and new vibrator Clarify stage IV and V of Zap refresh
3	6/10/98	Jim Filicette	Revise O2O feature Add Stage I unicode support for phone book to stage V Move VoiceNotes <sup>TM</sup> improvement to stage IV Add note to tri-codec (voice only HR)
4	6/?/98	Jim Filicette	Major Revisions: Add Eastern European Languages Clarify stages and features Add paint requirements Add manual, literature kit and model structure tables Add unique SMS alert, last 10 improvements, quick access software features to list.

Insert Table in field below to define release approvals. Go to Menu -> Create -> Table. Make table 3 columns wide.  
 When ready for release, submit for signatures. Define who signed below.  
 Each subsequent version change requires release signatures.

**Release Approval Summary:**

Version Number	Signed by	Date
	Jim Filicette	
	Tracey Koziol	
	Ruchi Mangalik	
	Neal Keating	
	Doug Main	
	Mike Hader	
	Zaf Azam	
	Philip Broderon	
	Dave Loveridge	

Market Name:

Proposed: cd921 (EMEA Flip) cd931 (EMEA Flat)

Proposed: cd928e (ASIA Flip) cd938e (ASIA Flat)

Ship Authorization date:

01/SEPT/98 (use format DDMMYY)

Give a general introduction for this product requirement.

This product description covers the worldwide requirements for GSM 900/1800 Zap and Zap C REFRESH. It will have two stages which will be called: Zap stage IV and Zap stage V. Zap refresh will have a number of long awaited software MMI improvements plus improved keypad and vibrator hardware features.

Zap stage IV software release date is 20/JUL/98 for internal test and ship authorization requirement of 01/SEPT/98. Zap and Zap C will have simultaneous launch dates.

Zap stage V will include an enhanced version of stage IV plus Tri-Codec support (half rate). Zap stage V goal for ship acceptance is 01/OCT/98.

Europe Plan:

Stage IV for Europe will require a product name change because of the numerous MMI improvements and hardware improvements (key pad and vibraCall™). Stage IV will also include painted housings on the flat version only. The proposed market name for Europe is cd921/cd931. Stage V for Europe will not require a product name change because Half Rate will be 'Soft' to the market (only operator).

Asia Plan:

Stage IV for Asia will require a product name change because of the numerous MMI improvements and hardware improvements (key pad and vibraCall™). The proposed market name for Asia is cd928e/cd938e. Stage V for Asia will not require a product name change because Half Rate support will be 'Soft' to the market (only operator). Asia plans to introduce manual band select to limited market on Aug 18, 1998 and full roll out on Sept 1, 1998.

Signaling Type:

GSM Dual Band

Define Key Selling Points and Message:

New key features in addition to previous versions for Zap Stage IV:

- Significant user interface enhancements
- Unicode for full SIM application toolkit class II plus stage I of Asian phone book
- Eastern European languages
- Improved keypad and VibraCall™

New key features in addition to the above for Zap Stage V:

- Tri-Codec support (voice only HR)

The following are key selling features of previous versions of Zap cd920/cd930:

- Dual-Band technology, the quality capacity solution
- Best in class radio, battery and speaker performance
- Ergonomically designed for comfortable handling
- Value added service delivery through SIM Toolkit
- 3 minute VoiceNote™ message recording feature
- Dual-Rate speech codec (FR and EFR)
- Ease of use
- Large, high contrast (Optimax™), easy to read display

Define Product Tier (High, Mid, or Low):

Mid Tier

Define Distribution Channel:

Same as cd920/cd930.

Define Competitors:

- Ericsson SH888; now shipping
- Nokia 6150, due end Q3-98
- Siemens S15; due end Q2-98
- Bosch Dual-Com 738; now shipping
- Mitsubishi MT-D30; due to launch in Q2-98
- NEC G10; due end Q3-98; and DB2000 also now due in Q3-98
- Nortel/AEG 2785; due in Q3-98

Define Key Target Customers:

Same as cd920 and cd930.

Define product tiering strategy, and any planned variants, for this product:

Zap is a product representing the mid tier.

Define Models to be Replaced by this Product:

Place cursor in field below. Go to Menu, select Create -> Table, then define number of rows you require, by 3 columns.

Model Name	Model Number	Comments
cd920	SE0007Bccxx	Stage II Flipped Zap
cd920	SE0012Bccxx	Stage II Flipped Zap w/ CPHS
cd930	SE0006Bccxx	Stage III Flat Zap
cd930	SE0013Bccxx	Stage III Flat Zap w/ CPHS

Define Target Markets:

Zap is positioned as a feature loaded product, aimed at power users. In particular, the Business Accomplishment and Activity Management user segments will be targeted.

Define Advertising Requirements, Specifications to Advertise, and Key Message to be delivered:

To be developed in correlation to the Motorola Corporate Wings and brand awareness campaign. Advertising is to be consistent with cd920/cd930.

Define Phone Physical Characteristics. Insert drawings, photos, or other representation if available.

Zap refresh will not require any major modifications to the form factor. Flat Zap stage IV will include painted front, rear and battery door housings in various colors, including CeBit Motorola blue. These colors will be available at stage IV launch on 01/Sept/98.

Define Housing Physical Characteristics. Insert drawings, photos, or other representation if available.

Same as cd920 and cd930.

Define Battery Door Physical Characteristics. Insert drawings, photos, or other representation if available.

Painted battery doors will be required to match the housing colors and be available

Define Display Physical Characteristics. Insert drawings, photos, or other representation if available.

Same as cd920 and cd930.

Define Lens Physical Characteristics. Insert drawings, photos, or other representation if available.

Same as cd920 and cd930.

Define Keypad and Keypad Board Physical Characteristics. Insert drawings, photos, or other representation if available.

Zap stage IV will include an improved keypad that will address the field complaints on Zap.

Define Escutcheon Physical Characteristics. Insert drawings, photos, or other representation if available.

New escutcheons will be needed for the new market names. The market names for Europe will be cd921 and cd931 for flip and flat respectively.

Define Antenna Physical Characteristics. Insert drawings, photos, or other representation if available.

Same as cd920 and cd930.

Define Connectivity Physical Characteristics. Insert drawings, photos, or other representation if available.

Same as cd920 and cd930.

Define SIM Card, and SIM Card Reader Physical Characteristics. Insert drawings, photos, or other representation if available.

Same as cd920 and cd930.

Define any other physical characteristics.

Zap stage IV will incorporate a new vibrator to improve the VibraCall™ feature. This will address complaints from the field on the quality of the vibrator. Zap should use the same vibrator that is being used in GSM 8700.

Define Transceiver Performance:

Place cursor in [ ] below header. Go to menu, select Create -> Table. Select number of rows you require, by 5 columns wide.

**Volume (cubic cm)**

**Weight (grams)**

**Talk Time (minutes)**

**Standby Time (hours)**

**With Battery (Name)**

TALK/STANDBY TIMES - ZAP					
			DUAL BAND		
			TX/DRX2	DTX/DRX9	
TX	---	ma	275	220	
RX	---	ma	12.7	9.5	
Wgt	---	grams	99		MKT
<b>A. Nickel Metal Hydride</b>					
TX	AAA - Long	650	2.4	3.0	2-3 hrs
RX	139cc	617.5	49	65	50-60 hrs
Wgt	Wgt	48	147		147 g
TX	AA	1100	4.0	5.0	4-5 hrs
RX	150cc	1045	84	110	80-100 hrs
Wgt	Wgt	83	182		193
<b>B. Lithium Ion</b>					
TX	P5	400	1.5	1.8	1-1.5 hrs
RX	139cc	380	30	40	30-40 hrs
Wgt	Wgt	20	119		119 g
TX	LP4 Saft	400	87	109	1-1.5 hrs
RX	139cc	380	30	40	30-40 hrs
Wgt	Wgt	23	122		122 g
TX	LSQ8	1000	3.6	4.5	3.5-4.5 hrs
RX	139cc	950	75	100	80-100 hrs
Wgt	Wgt	45	144		144 g
TX	Hi-Cap Pack	2800	10.2	12.7	10-12 hrs
RX	189cc	2660	209	280	200-250 hrs
Wgt	Wgt	124	223		
<b>C. LiPolymer (Preliminary)</b>					
TX	Lith Ploymer	480	105	131	
RX		456	36	48	
Wgt	Wgt	19	118		

Note: The above performance numbers are engineering estimates for Zap.

Define Battery Technology compatibility and Security requirements:

Same as cd920 and cd930. Zap refresh will also employ the invalid battery technology by utilizing the Dallas chip. Zap refresh will eliminate the invalid battery leaflet by integrating the information into the manual.

Define Charge Times with the sharger shipped as standard:

**Battery**

Place cursor in [ ] below header. Go to menu, select Create -> Table. Select number of rows you require, by 3 columns wide.

Charge time with E. P. Standard Travel Charger to 90 % charge (Minutes)	Charge time with E. P. Desktop Charger to 90 % charge (Minutes)
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Same as cd920 and cd930.

Define Data Compatibility:  
Same as cd920 and cd930.

Define any requirements in general terms, or define overall requirements scope:  
Zap refresh will have the same feature set as Zap stage III launch plus the new features below.

**Key Software Requirements:**

**Define Key Software Requirements.** Insert drawings, photos, or other representation if required, after table.

Place cursor in [ ] below header. Go to menu, select Create -> Table. Select number of rows you require, by 5 columns wide.

Tracking Number	Description	Status - First Launch	Status - Main Launch	Priority
<b>Features required in Zap refresh stage IV:</b>				
0203	Viag Home Zone	In process and committed		1
0195	SIM Toolkit class 2	In process and committed		1
0196	Eastern European languages (not including Hebrew)	In process and committed		1
?*	Asian subsidy lock enhancement	In process and committed		1
0016	Unicode for SIM Toolkit	In process and committed		1
0115	SMS Delete all messages option	In process and committed		1
0023	MO-SMS reply to MT-SMS	In process and committed		1
0014	SMS Phone book access	In process and committed		1
?*	Manual band select for dual band (ASIA)	In process and committed		1
0155	Increase SIM ADN locations from 155- 255	In process and committed		1
?*	Increase SIM SMS locations from 35 to 75	In process and committed		1
0162	Support for CSP based on CPHS V4.2	In process and committed		1
?*	Change CLI lookup to use 8 digits	In process and committed		1
n/a	Check card software	In process and committed	Note: No MMI required	1
?*	Conference call / call transfer improvement	In process and committed		1
?**	Unicode phone book support-stage 1	Under investigation, NOT committed	Note: This feature could hold up Zap refresh launch date in Asia	1
0138**	Quick access additions (3)	In process and committed		1
0075**	Last 10 call improvements	In process and NOT committed		2
0028**	Unique SMS alert tones	In process and NOT committed		2
?*	Orange data field support	Under investigation, NOT committed		2
?*	O2O dual band CSP bit	Under investigation, not committed		2

**Features required in Zap refresh stage V:**

0056**	Multi rate speach coder (FR/EFR/HR) (voice only HR)	In process and committed		1
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Note:

\* = denotes marketing specification is not available

\*\* = denotes marketing specification is available

Priority:

1 = Required, will not ship without

2 = Will be considered for future product launch; will ship without

**Transceivers:**

Zap refresh for Europe will allow upto 14 languages per transceiver. The languages will be formatted in the following:

The first Zap Refersh transceiver will have the following languages:

- English
- French
- German
- Turkish
- Italian
- Spanish
- Danish
- Finnish
- Dutch
- Greek
- Norweigian
- Portugese
- Swedish
- Hungarian

The second Zap Refersh transceiver will have the following languages:

- English
- Russian
- Lithuanian
- Polish
- Czech
- Slovakian
- Croatian
- Romanian
- Slovenia
- Latvian
- Estonian
- Ukraine
- Servian
- Bulgarian

**Key Hardware Requirements:**

**Define Key Hardware Requirements.** Insert drawings, photos, or other representation if required, after table.

Place cursor in [ ] below header. Go to menu, select Create -> Table. Select number of rows you require, by 5 columns wide.

Tracking Number	Description	Status - First Launch	Status - Main Launch	Priority
Z-1	Vibrator (same as 8700)	Stage IV	Committed	1
Z-2	Vibrator grommet	Stage IV	Committed	1
Z-3	Painted housings & batt doors (flat)	Stage IV	Committed	1
Z-4	Improved keypad	Stage IV	Committed	1
Z-5	Tricoder	Stage V		2

Priority:

1=Must ship in stage IV launch on Sept 1

2=Must ship in stage V launch on Oct 1

Define Flex Requirements. This is the list of most important default flexing settings.

Insert drawings, photos, or other representation if required, after table.

Place cursor in [ ] below header. Go to menu, select Create -> Table. Select number of rows you require, by 2 columns wide.

**Feature**

**Flex Default**

Same as cd920 and cd930

Insert Wake Up Graphic required:  
Same as cd920 and cd930.

Define Menu Requirements.  
Insert graphic detail for new quick access icons, after table.

Place cursor in [ ] below header. Go to menu, select Create -> Table. Select number of rows you require, by 3 columns wide.

**Quick Access**

**New Features**

**New Features**

Place cursor in [ ] below header. Go to menu, select Create -> Table. Select number of rows you require, by 7 columns wide.

**Phone  
Book**

**Call Related  
Features**

**Messages**

Place cursor in [ ] below header. Go to menu, select Create -> Table. Select number of rows you require, by 7 columns wide.

**Phone Setup**

**Network Selection**

**Call Meters**

**Accessory Setup**

Define Box , Box Insert, and Overpack requirements. Identify if these are common existing designs, or new designs.  
Insert or attach drawing, or photos, if available.  
New box artwork will be required for Zap refresh stage IV due to product market name change.

**Standard Box** pack configuration.

Define standard model complement. Identify all components which go into this pack configuration.

Place cursor in [ ] below header. Go to menu, select Create -> Table. Select number of rows you require, by 4 columns wide.

**Configuration**

**Contents**

**Quantity**

**Comments**

Same as cd920 and cd930 except a leather holster will replace the plastic holster for product with painted housings.

**Extended Box** pack configuration.

Define extended model complement, (more items than standard model complement).  
Identify all components which will go into this pack configuration.

Place cursor in [ ] below header. Go to menu, select Create -> Table. Select number of rows you require, by 4 columns wide.

**Configuration**

**Contents**

**Quantity**

**Comments**

Same as cd920/cd930.

Define Packaging, Manual and Label Artwork requirements. Identify which items require a unique artwork.  
Insert or attach drawing, or photos, if available.

New artworks will be required for manuals, boxes, escutheons as necessary due to the market name change on stage IV.

Define any unique package Labeling required for this product. Include special requirements such as TIM Metricola numbers, etc. Include all labels, including transceiver, packaging, accessories, etc.

Insert or attach drawing, or photos, if available.

TBA

EAN Numbers for each product type, for each market:  
Define EAN Numbers:

Place cursor in [ ] below header. Go to menu, select Create -> Table. Select number of rows you require, by 4 columns wide.

<b>Market (Country)</b>	<b>Product Name</b>	<b>EAN Number</b>	<b>Comments</b>
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Define Current Accessories and Compatibility to this product:

Place cursor in [ ] below header. Go to menu, select Create -> Table. Select number of rows you require, by 3 columns wide.

<b>Model, Kit, or Part Number</b>	<b>Accessory Name</b>	<b>Compatibility Notes</b>
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Same as cd920 and cd930

Define Planned Accessories and Compatibility to this product:

Place cursor in [ ] below header. Go to menu, select Create -> Table. Select number of rows you require, by 4 columns wide.

<b>Model, Kit, or Part Number</b>	<b>Accessory Name</b>	<b>Compatibility Notes</b>	<b>Availability Date</b>
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Same as cd920 and cd930

Define Type Approval Requirements, such as GSM Phase 2, and other Approval Requirements, such as CE Compliance, E Mark Compliance, etc. Include compliance specification number definition where required.

Same as cd920 and cd930

**Hot Spot** to Assembly Number Assignment database. This Hot Spot for use by all personnel.  
Click in Hot Spot, to view, or to generate a request for model, kit, or assembly numbers.

New Sales Models:

Place cursor in [ ] below header. Go to menu, select Create -> Table. Select number of rows you require, by 3 columns wide.

<b>Sales Model Number</b>	<b>Brand</b>	<b>Description</b>
SE0007Cccxx	cd921	Stage IV Flipped Zap
SE0012Cccxx	cd921	Stage IV Flipped Zap w/ CPHS
SE0006Cccxx	cd931	Stage IV Flat Zap
SE0013Cccxx	cd931	Stage IV Flat Zap w/ CPHS
SE0007Dccxx	cd921	Stage V Flipped Zap
SE0012Dccxx	cd921	Stage V Flipped Zap w/ CPHS
SE0006Dccxx	cd931	Stage V Flat Zap
SE0013Dccxx	cd931	Stage V Flat Zap w/ CPHS

**Note:** For Europe, Zap refresh will utilize all the existing model numbers from the initial launch of Zap. Zap refresh will employ a similar up-suffixing scheme as stage I, II, III of Zap. Stage IV models will be upsuffixed to the 'C' version of Zap. Stage IV product will also have the market name change as per above. Stage V model numbers will be upsuffixed to 'D' version of Zap. Stage V will not have a market name change.

New Field Service Models:

Place cursor in [ ] below header. Go to menu, select Create -> Table. Select number of rows you require, by 3 columns wide.

<b>Field Service Model Number</b>	<b>Brand</b>	<b>Description</b>
TBA		

Define New Sales Model Content for the First Core Product. Include all model, kit, or item numbers:

Place cursor in [ ] below header. Go to menu, select Create -> Table. Select number of rows you require, by 5 columns wide.

<b>Models</b>	<b>Transceiver</b>	<b>Manual</b>	<b>Accessories</b>	<b>Other</b>
Stage IV: Flip Zap  SE0005CB1xx SE0007CB1xx SE0012CB1xx	Kit: SUGxxxx - Blk SUGxxxx - Grey SUGxxxx - TP blue  Rear Escutcheon: See Table 2 in appendix	Kit: See Table 1 in section 4.4  Manual: See Table 1 in section 4.4  Literature Kit: See Table 3 in appendix	Battery: (LGQ8) SNN5360 Battery Door AAA: SHN6617-BLK SHN6825-Grey SHN6943-TP blue Universal Charger: SPN4278 Plug: See Table 1 in section 4.4	Holster (plastic): SHN6851 ZAP WINGS box: 56xxxxxKxx Blue pulp insert: 5603930K01  Flip escutcheon: See Table 2 in appendix
Stage V:  Flip Zap SE0005DB1xx SE0007DB1xx SE0012DB1xx	Kit: SUGxxxx - Blk SUGxxxx - Grey SUGxxxx - TP blue  Rear Escutcheon: See Table 2 in appendix	Kit: See Table 1 in section 4.4  Manual: See Table 1 in section 4.4  Literature Kit: See Table 3 in appendix	Battery: (LGQ8) SNN5360 Battery Door AAA: SHN6617-BLK SHN6825-Grey SHN6943-TP blue Universal Charger: SPN4278 Plug: See Table 1 in section 4.4	Holster (plastic): SHN6851 Zap WINGS box: 56xxxxxKxx Blue pulp insert: 5603930K01  Flip escutcheon: See Table 2 in appendix
Stage IV:  Flat Zap SE0006CB1xx SE0013CB1xx	Kit: SUGxxxx - Blk SUGxxxx - Grey SUGxxxx - TP blue  Rear Escutcheon: See Table 2 in appendix	Kit: See Table 1 in section 4.4  Manual: See Table 1 in section 4.4  Literature Kit: See Table 3 in appendix	Battery: (LGQ8) SNN5360 Battery Door AAA: SHN6617-BLK SHN6825-Grey SHN6943-TP blue Universal Charger: SPN4278 Plug: See Table 1 in section 4.4	Holster (plastic): SHN6851 ZAP WINGS box: 56xxxxxKxx Blue pulp insert: 5603930K01  Front escutcheon: See Table 2 in appendix
Stage V:  Flat Zap SE0006DCB1xx SE0013DB1xx	Kit: SUGxxxx - Blk SUGxxxx - Grey SUGxxxx - TP blue  Rear Escutcheon: See Table 2 in appendix	Kit: See Table 1 in section 4.4  Manual: See Table 1 in section 4.4  Literature Kit: See Table 3 in appendix	Battery: (LGQ8) SNN5360 Battery Door AAA: SHN6617-BLK SHN6825-Grey SHN6943-TP blue Universal Charger: SPN4278 Plug: See Table 1 in section 4.4	Holster (plastic): SHN6851 ZAP WINGS box: 56xxxxxKxx Blue pulp insert: 5603930K01  Front escutcheon: See Table 2 in appendix

Define any upcoming variants required, beyond this core product introduction.  
These programs will be separately defined, with their own product description, etc.:

TBA

**Hot Spot** to Assembly Number Assignment database.

Click in Hot Spot, to view, or to generate a request for model, kit, or assembly numbers.

Define Manual requirements, and any translation priorities for the various models. Attach "01R" documents if applicable.

Place cursor in [ ] below header. Go to menu, select Create -> Table. Select number of rows you require, by 5 columns wide.

**Models**

**Manual Kit Number**

**Manual Part Number**

**Language Market**

**Translation Priority**

Table 1. Chargers and Manuals								
Stage IV Flip ZAP	Stage IV Flat ZAP	Stage V Flip ZAP	Stage V Flat ZAP	Charger Plug	Manual Kit #	Manual P/N	Priority	Market or Language
SE0007CccA1	SE0006CccA1	SE0007DccA1	SE0006DccA1	SYN4655	SJN7598B	6809417A28	1	Danish
SE0012CccA1	SE0013CccA1	SE0012DccA1	SE0013DccA1					
SE0007CccB1	SE0006CccB1	SE0007DccB1	SE0006DccB1	SYN6718	SJN7609B	6809417A29	1	English (UK)
SE0012CccB1	SE0013CccB1	SE0012DccB1	SE0013DccB1					
SE0007CccC1	SE0006CccC1	SE0007DccC1	SE0006DccC1	SYN4655	SJN7599B	6809417A30	1	Finnish
SE0007CccD1	SE0006CccD1	SE0007DccD1	SE0006DccD1	SYN4655	SJN7602B	6809417A31	1	Dutch
SE0007CccE1	SE0006CccE1	SE0007DccE1	SE0006DccE1	SYN4655	SJN7604B	6809417A32	1	French
SE0012CccE1	SE0013CccE1	SE0012DccE1	SE0013DccE1					
SE0007CccF1	SE0006CccF1	SE0007DccF1	SE0006DccF1	SYN4655	SJN7608B	6809417A33	1	German
SE0007CccG1	SE0006CccG1	SE0007DccG1	SE0006DccG1	SYN4655	SJN7600B	6809417A34	1	Greek
SE0007CccH1	SE0006CccH1	SE0007DccH1	SE0006DccH1	SYN4655	SJN7607B	6809417A35	1	Italian
SE0007CccJ1	SE0006CccJ1	SE0007DccJ1	SE0006DccJ1	SYN4655	SJN7597B	6809417A36	1	Norwegian
SE0007CccK1	SE0006CccK1	SE0007DccK1	SE0006DccK1	SYN4655	SJN7601B	6809417A37	1	Portuguese
SE0007CccL1	SE0006CccL1	SE0007DccL1	SE0006DccL1	SYN4655	SJN7603B	6809417A38	1	Spanish
SE0007CccM1	SE0006CccM1	SE0007DccM1	SE0006DccM1	SYN4655	SJN7606B	6809417A39	1	Swedish
SE0007CccN1	SE0006CccN1	SE0007DccN1	SE0006DccN1	SYN4655	SJN7602B	6809417A40	1	Belgium
SE0007CccP1	SE0006CccP1	SE0007DccP1	SE0006DccP1	SYN4655	SJN7604B,	6809417A41	1	Swiss Package
SE0007CccQ1	SE0006CccQ1	SE0007DccQ1	SE0006DccQ1	SYN4655	SJN7595B	6809417A39	1	Turkish
SE0007CccR1	SE0006CccR1	SE0007DccR1	SE0006DccR1	SYN4655	SJN7596B	6809417A43	1	Hungarian
SE0007CccS1	SE0006CccS1	SE0007DccS1	SE0006DccS1	SYN4655	SJN7572B	6809417A44	1	Slovakian
other models	other models	other models	other models	SYN4655	SJN7610B	6809417A45	1	Arabic
SE0007CccT1	SE0006CccT1	SE0007DccT1	SE0006DccT1	n/a	SJN7604B	6809417A46	1	North Africa
SE0007CccU1	SE0006CccU1	SE0007DccU1	SE0006DccU1	SYN4655	SJN7593B	6809417A47	1	Russian
SE0007CccV1	SE0006CccV1	SE0007DccV1	SE0006DccV1	SYN4655	SJN7592B	6809417A48	1	Lithuanian
SE0007CccW1	SE0006CccW1	SE0007DccW1	SE0006DccW1	SYN4655	SJN7571B	6809417A49	1	Polish
SE0007CccY1	SE0006CccY1	SE0007DccY1	SE0006DccY1	SYN4655	SJN7793B	6809417A50	1	Czech
SE0007CccZ1	SE0006CccZ1	SE0007DccZ1	SE0006DccZ1	SYN4655	None	None	1	No language
SE0007CccB2	SE0006CccB2	SE0007DccB2	SE0006DccB2	SYN4655	SJN7609B	6809417A51	1	English for S.
SE0007CccC2	SE0006CccC2	SE0007DccC2	SE0006DccC2	SYN4655	SJN8173B	6809417A52	1	Croatian
SE0007CccF2	SE0006CccF2	SE0007DccF2	SE0006DccF2	SYN4655	SJN7608B	6809417A53	1	German for
SE0007CccG2	SE0006CccG2	SE0007DccG2	SE0006DccG2	SYN6718	SJN7600B	6809417A54	1	Cyprus
SE0007CccP2	SE0006CccP2	SE0007DccP2	SE0006DccP2	SYN4655	SJN8174B	6809417A55	1	Romanian
SE0007CccS2	SE0006CccS2	SE0007DccS2	SE0006DccS2	SYN4655	SJN8175B	6809417A56	1	Slovenian
SE0007CccT2	SE0006CccT2	SE0007DccT2	SE0006DccT2	SYN6718	SJN7609B	-	1	Gulf States
SE0007CccU2	SE0006CccU2	SE0007DccU2	SE0006DccU2	SYN4655	SJN8176B	6809417A57	1	Ukrainian
SE0007CccX2	SE0006CccX2	SE0007DccX2	SE0006DccX2	SYN4655	SJN8180B	6809417A58	1	Israeli
SE0007CccZ2	SE0006CccZ2	SE0007DccZ2	SE0006DccZ2	SYN6718	None	None	1	No language
SE0007CccA3	SE0006CccA3	SE0007DccA3	SE0006DccA3	SYN4655	SJN8177B	6809417A59	1	Latvian
SE0007CccC3	SE0006CccC3	SE0007DccC3	SE0006DccC3	SYN4655	SJN8178B	6809417A60	1	Estonian
SE0007CccA4	SE0006CccA4	SE0007DccA4	SE0006DccA4	SYN4655	SJN8179B	6809417A61	1	Bulgarian
SE0007Cccxx	SE0006Cccxx	SE0007Dccxx	SE0006Dccxx	SYNxxxx	SJN8530A	6809417A62	1	Serbian

Priority:  
1 = required at launch

Define Core Schedule Milestone Requirements:

Schedule Milestone	Units	Requested Date (DDMMYY)	Comments
Non-Functioning Cosmetically Correct Units For Marketing Purposes	N/A		
Functioning Units For Marketing Purposes (final functionality not required)	100	01Aug98	Note: Painted units
Field Engineering Test Samples	1000	20JUL98	
Worldwide Operator Test Samples	1000	10Aug98	
Market Trial Test Samples	5000	10Aug98	
Launch Requirements	30000	01Sept98	

Define any other Key Schedule Milestones:

Required Introduction Date: 01/SEPT/98  
 Launch Volume (number of units): 5,000

Period (MMYY)	Volume Region 1 EMEA	Volume Region 2 ASIA	Volume Region 3	Volume Other	Volume Total Worldwide
Required Stock for Launch Sep. 98	15,000	15,000	0	0	30,000

Define expected Product Lifetime: Through Q4 1999

Keep a list of all requirements requested in this product description, from the first draft through final copy, which ARE NOT POSSIBLE in this product design. The intent of this section is to keep a running list of all non-fulfilled requirements, for inclusion in the next product design activity.

Approval of this product description, brings an agreement between all team members, on what will be included in this product design. Items in this section are EXCLUDED from the approval.

**Define Key Requirements Excluded From This Product Description, but required for future product introduction.**

Insert drawings, photos, or other representation if required, after table.

Place cursor in [ ] below header. Go to menu, select Create -> Table. Select number of rows you require, by 5 columns wide.

Tracking Number	Description	Status - First Launch	Status - Main Launch	Priority
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**Define Other Expected Customers, in First 3 Months of Production:**

Customer Name	Product Required	Comments
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Attach any additional information required:

**Table 2:**

<b>Stages IV and V: Flipped</b>	<b>Black</b>	<b>Magix Grey</b>	<b>Ten Pin Blue</b>
Lens Surround	Black	Silver MM524	Black
Lens Printing	Pantone 427	Bright White	Pantone 427
Front Escutcheon Part Number	54-09397-Mxx	54-09397-Mxx	54-09397-Mxx
Front Escutcheon Background	Black	Silver MM524	Black
Front Escutcheon Finish	Polished	Polished	Polished
Front Escutcheon Printing	Pantone 427	Bright White	Pantone 427
Back Escutcheon Part Number	54 09158-T04	54 09158-T04	54 09158-T04
Back Escutcheon Background	Black	Black	Black
Back Escutcheon Finish	Domed	Domed	Domed
Back Escutcheon Printing	Pantone 427	Pantone 427	Pantone 427
Keypad Background	Black	Black	Black
Keypad Finish	Hard	Hard	Hard

<b>Stage IV &amp; V: Flipless</b>	<b>Black</b>	<b>Magix Grey</b>	<b>Ten Pin Blue</b>
Lens Surround	Black	Silver MM524	Black
Lens Printing	Pantone 427	Bright White	Pantone 427
Front Escutcheon Part Number	13-09432-Uxx	13-09432-Uxx	13-09432-Uxx
Front Escutcheon Background	Black	Silver MM524	Black
Front Escutcheon Finish	as body	as body	as body
Front Escutcheon Printing	Pantone 427	Bright White	Pantone 427
Back Escutcheon Part Number	54 09158-T04	54 09158-T04	54 09158-T04
Back Escutcheon Background	Black	Black	Black
Back Escutcheon Finish	Domed	Domed	Domed
Back Escutcheon Printing	Pantone 427	Pantone 427	Pantone 427
Keypad Background	Black	Black	Black
Keypad Finish	Silicon	Silicon	Silicon



**Table 3: Literature Kits**

Stage IV Flipped ZAP	Stage IV Flat ZAP	Stage V Flipped ZAP	Stage V Flipless ZAP	Kit Number	Market	Kit Contents
SE0007CccA1 SE0012CccA1	SE0006CccA1 SE0013CccA1	SE0007DccA1 SE0012DccA1	SE0006DccA1 SE0013DccA1	SJN8356BA	Denmark	Accessory leaflet-68p09414A66
SE0007CccB1 SE0012CccB1	SE0006CccB1 SE0013CccB1	SE0007DccB1 SE0012DccB1	SE0006DccB1 SE0013DccB1	SJN8356BB	UK	Accessory leaflet-68p09414A67 Registration Card-68p09408A20
SE0007CccC1 SE0007CccD1	SE0006CccC1 SE0006CccD1	SE0007DccC1 SE0007DccD1	SE0006DccC1 SE0006DccD1	SJN8356BC SJN8356BD	Finland Netherlands	Accessory leaflet-68p09414A68 Accessory leaflet-68p09414A69 Registration Card-68p09408A24
SE0007CccE1 SE0012CccE1	SE0006CccE1 SE0013CccE1	SE0007DccE1 SE0012DccE1	SE0006DccE1 SE0013DccE1	SJN8356BE	France	Accessory leaflet-68p09414A70 Registration Card-68p09408A21
SE0007CccF1	SE0006CccF1	SE0007DccF1	SE0006DccF1	SJN8356BF	Germany	Accessory leaflet-68p09414A71 Registration Card-68p09408A22 24 hour service-68p09405A07
SE0007CccG1	SE0006CccG1	SE0007DccG1	SE0006DccG1	SJN8356BG	Greece	Accessory leaflet-68p09414A72
SE0007CccH1	SE0006CccH1	SE0007DccH1	SE0006DccH1	SJN8356BH	Italy	Accessory leaflet-68p09414A73
SE0007CccJ1	SE0006CccJ1	SE0007DccJ1	SE0006DccJ1	SJN8356BJ	Norway	Accessory leaflet-68p09414A74
SE0007CccK1	SE0006CccK1	SE0007DccK1	SE0006DccK1	SJN8356BK	Portugal	Accessory leaflet-68p09414A75 Waranty Card-68p09405A09
SE0007CccL1	SE0006CccL1	SE0007DccL1	SE0006DccL1	SJN8356BL	Spain	Accessory leaflet-68p09414A76 Registration Card-68p09408A23 Waranty Card-68p09405A08
SE0007CccM1	SE0006CccM1	SE0007DccM1	SE0006DccM1	SJN8356BM	Sweden	Accessory leaflet-68p09414A77
SE0007CccN1	SE0006CccN1	SE0007DccN1	SE0006DccN1	SJN8356BN	Belgium	Accessory leaflet-68p09414A78
SE0007CccP1	SE0006CccP1	SE0007DccP1	SE0006DccP1	SJN8356BP	Switzerland	Accessory leaflet-68p09414A79
SE0007CccQ1	SE0006CccQ1	SE0007DccQ1	SE0006DccQ1	SJN8356BQ	Turkey	Accessory leaflet-68p09414A80
SE0007CccR1	SE0006CccR1	SE0007DccR1	SE0006DccR1	SJN8356BR	Hungary	Accessory leaflet-68p09414A81
SE0007CccS1	SE0006CccS1	SE0007DccS1	SE0006DccS1	SJN8356BS	Slovakia	Accessory leaflet-68p09414A82
other models	other models	other models	other models	SJN8356BT	Arab/Eng/French	Accessory leaflet-68p09414A83
SE0007CccT1	SE0006CccT1	SE0007DccT1	SE0006DccT1	SJN8356BT	North Africa	Accessory leaflet-68p09414A83
SE0007CccU1	SE0006CccU1	SE0007DccU1	SE0006DccU1	SJN8356BU	Russia	Accessory leaflet-68p09414A84
SE0007CccV1	SE0006CccV1	SE0007DccV1	SE0006DccV1	SJN8356BV	Lithuania	Accessory leaflet-68p09414A85
SE0007CccW1	SE0006CccW1	SE0007DccW1	SE0006DccW1	SJN8356B	Poland	Accessory leaflet-68p09414A86
SE0007CccY1	SE0006CccY1	SE0007DccY1	SE0006DccY1	SJN8356BX	Czech Republic	Accessory leaflet-68p09414A87
SE0007CccZ1	SE0006CccZ1	SE0007DccZ1	SE0006DccZ1	NONE	Generic UK plug	None
SE0007CccB2	SE0006CccB2	SE0007DccB2	SE0006DccB2	SJN8491BA	So Africa	Accessory leaflet-68p09414A67
SE0007CccC2	SE0006CccC2	SE0007DccC2	SE0006DccC2	SJN8356BY	Croatia	Accessory leaflet-68p09414A88
SE0007CccF2	SE0006CccF2	SE0007DccF2	SE0006DccF2	SJN8489BA	Austria	Accessory leaflet-68p09414A71 Registration Card-68p09408A22 24 hour service-68p09405A16
SE0007CccG2	SE0006CccG2	SE0007DccG2	SE0006DccG2	SJN8356BZ	Cyprus	Accessory leaflet-68p09414A89
SE0007CccP2	SE0006CccP2	SE0007DccP2	SE0006DccP2	SJN8490BA	Romania	Accessory leaflet-68p09414A90
SE0007CccS2	SE0006CccS2	SE0007DccS2	SE0006DccS2	SJN8492BA	Slovenia	Accessory leaflet-68p09414A79
SE0007CccT2	SE0006CccT2	SE0007DccT2	SE0006DccT2	SJN8493BA	Gulf States	Accessory leaflet-68p09414A83
SE0007CccU2	SE0006CccU2	SE0007DccU2	SE0006DccU2	SJN8357BA	Ukraine	Accessory leaflet-68p09414A91
SE0007CccX2	SE0006CccX2	SE0007DccX2	SE0006DccX2	SJN8357BB	Israel	Accessory leaflet-68p09414A92
SE0007CccZ2	SE0006CccZ2	SE0007DccZ2	SE0006DccZ2	NONE	Generic UK plug	None
SE0007CccA3	SE0006CccA3	SE0007DccA3	SE0006DccA3	SJN8357BC	Latvia	Accessory leaflet-68p09414A93
SE0007CccC3	SE0006CccC3	SE0007DccC3	SE0006DccC3	SJN8357BD	Estonia	Accessory leaflet-68p09414A94
SE0007CccA4	SE0006CccA4	SE0007DccA4	SE0006DccA4	SJN8357BE	Bulgaria	Accessory leaflet-68p09414A95
SE0007Cccxx	SE0006Cccxx	SE0007Dccxx	SE0006Dccxx		Serbia	