

Presentation

Designing Device Design Deliverables

Prepared for Design for Mobile 2010

17 September 2010

HandsetSpec-2010sept15

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Introduction (Continued)

This entire document is relational. Each component refers to other components or sections. Most follow a standard organizational method described below. Certain early sections, defining the behavior of the re-usable modules, appear in slightly different formats. All requirements are regardless written and listed in the same manner, preceeded with a number and title.



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Common Features (Continued)

3644 Common Interactive Click Behaviors

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Most button, softkey and on-screen element behaviors are re-used and repeated in a predictable manner throughout the interface. The most common interface elements are summarized in the table to the right. Details of these most common behaviors are described in the following requirements on keys and screen elements.

Figure 3544 - Default Key Assignments & Actions



handsets. These keys are only used for text entry, so are not included in the Key Assignments & Actions diagrams.



1278 Placing and Receiving Voice Calls

1278 Placing and Receiving Voice Calls

1278 Placing and Receiving Voice Calls — Principal Elements and Processes



3706 Basic Dialing Features and Behaviors

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4704	Emergency & Special Numbers	
	Emergency and Special Numbers will be configured via	
	the PRI.	
1292	Hyphenation	
	1293 Automatic Hyphenation Based on NANP The handset will have an automatic hyphenation feature based on the North American Numbering Plan.	
	1294 Star Code Support	
	The handset will support Star-Code Call Origina-	
	tion.	Example 1296:
	1295 No Hyphens After Pauses	8_ (speed dial)
	When dialing a Phone Number the digits after any	81_ (speed dial)
	pause will not be hyphenated.	816_
	1296 Left-to-Right Digit Display	8165_ (4-digit dial/abbreviated dialing)
	When dialing a Phone Number, display of digit	81655_ (5-digit abbreviated dialing)
	entry is to be from left to right.	816-559_
	1297 Treatment of Numeral One Prefix	816-5598_
	when dialing a Phone Number, If "I" (one) is	816-559-89_
	entered before the area code, the Phone Number	816-559-8989
	1209 Support for Long Numbers	
	Call origination will be supported up to 40 digits	Note 1297: Some digits may overflow to the next line
	Pauses are to be counted as a digit	с ,
	1299 Soft and Hard Pause Support	Note 1200:
	The handset will support both "Soft" pauses and	"Soft" Pauses: two seconds
	"Hard" pauses.	"Hard" Pauses: wait for user input
	1300 Hyphenation Exception for Long Numbers with	Thata Tauses. Waterior user input
	Pauses	
	If a Phone Number of eleven digits or more is	
	entered before a pause, all hyphens are to be	
	removed and additional characters entered are to	

remain unhyphenated.



3706 Basic Dialing Features and Behaviors (Continued)





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3706 Basic Dialing Features and Behaviors (continued)

Plus Code

2354 Plus Code (International) Dialing 2357 Default IDP The default IDP is 011. This will be set by the PRI	
1304 Typing a Plus Code From the Idle Screen, pressing and holding the [0] key will display a plus symbol, or "+" in the "Num- ber Entry" field	Note 1304: The "plus" symbol will allow the user to make an interna- tional call from any country. After the plus symbol has been entered, the user can dial the desired country code, Phone Number, and press the ITALK1 key to place the call
1307 Plus Symbol Display When in the Number Entry field, a plus symbol entered as a part of a phone number, will always	Example 1304: " + 1 913 555 1212"
If a plus symbol is used when dialing a number, is to be reflected in the Outgoing Call Log.	Example 1309: If a number was dialed with a plus symbol, or "+," the Outgoing Call Log entry would be formatted as such: " + 1 - XXX - XXX - XXXX - XXXX
3647 Plus Code Dialing for Three-Way Calling Plus Code Dialing for a Three-way call will be sup- ported.	
2359 Behavior When Plus Code Dialing Off When Plus Code Dialing is set to "Off," all dialed values are sent to the network without modifica- tion	
2360 Behavior When Plus Code Dialing On When Plus Code Dialing is set to "On," dialed val- ues will be analyzed and manipulated as needed before being sent to the network.	
3709 Handset Plus-Code Behavior in GSM Coverage When the handset is in GSM coverage, the "+" character will be sent to the network, and not translated to an IDP.	
3710 Handset Plus-Code Behavior in CDMA Coverage When the handset is in CDMA coverage, the hand- set will convert the "+" character to an IDP, and not send the "+" character to the network.	
3711 Handset Detection of Region The handset will use the CDMA MCC being broad- cast to determine if it is in North-American cover- age.	Note 3711: The MCC for North America is 310.



3719 Placing a Voice Call

3719 Placing a Voice Call

1277 Dialer Access is Pervasive

Access to Voice Services will be pervasive throughout the user interface. The dialer may be directly accessed from many locations within the phone in order to place a Voice Call.



-Note 1277: Calls may be initiated as contextually appropriate throughout History, Contacts, Group, and Messaging and from the Idle Screen. Calls may also be initiated from any other applications which may include this feature. Alerts related to Voice Services, such as "Incoming Call," may appear anywhere within the user interface as long as the network is available to transmit the alert and the handset is capable of receiving the alert.



3719 Placing a Voice Call (Continued)

1280 Dialing a Voice Call	Eigure 1280: Dialer Matching
1200 Dialing a voice can 1201 Dialor Koy Eunctionality	a Saved Number billing
The Disler function will allow menual entry of a	
The Dialer function will allow manual entry of a	
Phone Number.	Dialer Dialer
1287 Dialer Entry Field	
The Dialer function will provide a field for entry of	
Phone Numbers.	000-000-1234 000-000-1234
1314 Layout of Dialer Screen ———————	
When dialing a Phone Number, the string of en-	
tered digits will be displayed higher on the screen	Contact Name State match
the any matching results or other information,	
and will remain in focus by default.	
3721 Send Message From Dialer Screen	
Within the Dialer screen, once four (4) digits have	
been entered, the Left-Softkey will become active,	Nets 1201 Additional addeted for stimus and discussed as well as de
and is labeled "Send Msg." Selecting this option	-Note 1281: Additional, related functions are discussed as well, such
will open a Pop-Up menu with the following se-	as number matching, which are not strictly manual entry of a com-
lectable options:	plete Phone Number.
1) "Text Message"	
2) "MMS"	
3) "VoiceSMS"	Figure 1314: Dlaler Screen - Key Assignments & Actions
Selecting any of these options will dismiss the	
Dialer and open the relevant application to a com-	
pose screen with the value entered on the Dialer	Places PTT Call to
populated into the recipient field"	
3722 Options From Dialer Screen	
Within the Dialer screen the Pight Softkow will	b [LEFT-SOFTKEY] ← b [LEFT-SOFTKEY]
be labeled "Options" and contains the following	"Send message," "Options," see 3722
	see 3721
1) "Soue" coo Doquiromont 2722	C [TALK] ← 12-Key pad
 Jave see Requirement 5725 "Hard Dauco" which will incort a "D" character 	Dials number
2) Fiduly rause which will liser the reliance	
appropriate action	3585: SOTIKEYS
appropriate action. 2) "2:00 Dauco" which will incort a "T" character	f 📃 Key performs default action(s). See Requirement 3644.
3) ZSEC FAUSE WHICH WILHISELLA I CHAIdCLEP	g 🔲 Key disabled in this screen or state.
and the under string as a placeholder for the	
appropriate action.	
	Note 3721: If space allows, the label may be "Send Message."



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3719 Placing a Voice Call (continued)

3723	Save From Dialer Screen From the Dialer screen, when the Save option is selected, a Pop-Up dialog is presented with the following selectable options: 1) "New Entry" 2) "Existing Entry" Each of these will load the Contact List into the appropriate state.	I
1422	Location Matching Within the Dialer screen, when a complete valid NANP Phone Number has been entered, the Area Code will be used to determine the correspond- ing U.S. State, Territory, Protectorate or District. The name of this location will be displayed on the screen.	
1288	Contact List Matching The Dialer function will display number match information.	[
1289	Contact Name Display In any situation where a Contact name is dis- played, as much of the Contact name will be displayed as possible.	
1290	Contact Name Truncation Rules In any situation where a Contact name is dis- played but it will not fit entirely in the space allowed, the Contact name will be truncated by adding an ellipsis to the end of the string. Char- acters will be removed until the Contact name, in addition to the ellipsis, fits in the given space. The Phone Number type indicator is not to be trun- cated.	- - - - - - - - - - - - - - - - - - -
1291	Dialing On Non-Numeric Handsets QWERTY handsets that do not have a 12-key key- pad will support alphanumeric dialing.	

—Figure 1422: Dialer Number Match Display: State Match

Yul					
Dialer					
[650-555-1234]					
State match					
Send Msg	4:32 pm	Options			

-Note 1288: See Requirement 1414, et. al. for Contact List Matching.

Example 1290: In the following example, the pipe indicates the right side of the screen:

---William Johanns|en

Truncating it would not be helpful or clear, and simply adding ellipsis will not help, as they will disappear. Additional characters must be removed to provide space for the ellipsis:

---William Johan...|

And, be sure to provide additional space for items such as number type:

---William Jo(M)...|

Specific spacing values cannot be provided as it depends on the typeface and font on the individual handset.

Note 1290: This also applies anywhere there is a Contact match displayed, including History, Alerts, and Messages

Example 1291: An example of alphanumeric dialing is: (1800FLOWERS).



3719 Placing a Voice Call (continued)

1414 Dialed Number Contact List Matching



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Principles of Designing and Documenting

Clarity Consistency Extensibility Accuracy **Avoid duplication** Reference



Any questions?

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