

PRODUCT BRIEFING DOCUMENT

EasyRoamTM

What is EasyRoam?

EasyRoam was conceived to provide carriers with a simple, but highly effective, solution to the absence of a CDMA network-based + code dialing capability.

EasyRoam is a handset based solution which requires no changes to a carriers network i.e. its very low touch.

EasyRoam prefixes the contacts in the phonebook with required access and country codes to enable dialing from any CDMA network.

EasyRoam is a handset application available in BREW, JAVA (MIDP 2.0), Windows Mobile, and Palm. It runs on all major OEM handset brands including Nokia, Motorola, Samsung, Kyocera, and LG.

EasyRoam is very simple to use. It has a simple user interface to enable customers' to reconfigure their phonebook the minute they step off the plane or cross a border.

EasyRoam reconfigures the customer's phonebook with the relevant international prefix in a matter of seconds. When they return to their home country, EasyRoam reconverts their phonebook.

How does EasyRoam work?

EasyRoam has been developed to provide global roaming capability to CDMA phones.

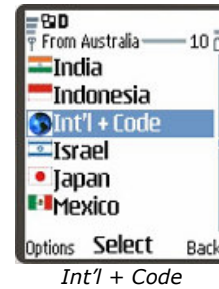
The application works as follows:

1. User selects the application
2. The country for which their phonebook is currently configured is displayed e.g. United States, and the user is prompted to select their new current location (this would be the country the user is now in e.g. New Zealand)



3. Their phonebook is converted to have the correct international dialling codes for that user's current location.

For example, when in the United States a local number could be 0908 555 5555, but when the user visits New Zealand, this number would be converted to 001 908 555 5555.



4. Some networks will soon support "+ Code" dialling prefixes including GSM networks when using GSM mode on a dual technology "World Phone". In these countries "Int'l + Code" can be selected as an alternate "Country Code".

When adding contacts, while roaming, the user should enter the phone number as they would dial it from the "Current Country". That way, when the "Current Country" is changed again, the new contacts will be changed correctly.

EasyRoam has advanced functionality to manage the contents of a user's phonebook. Only those numbers in the phonebook, which have been set-up with the pre-fixes that are valid for the current country, will be modified. Any numbers, which do not have the correct pre-fixes, are ignored.

Technical Details

EasyRoam has been developed for the following platforms:

- Java J2ME MIDP2.0 application using the JSR-75 APIs. A digital certificate needs to be pre-installed on the mobile device to authenticate the EasyRoam application and enable access to the phone's contact repository.
- EasyRoam requires BREW version 2.0 as a minimum, on phones supporting the IAddrBook and IAddrRec APIs
- Windows Mobile 2003 Second Edition Version 4.21
- Palm 5.2.1

Conversion Process:

Once a new country has been selected from the menu, the EasyRoam application accesses each contact in the phonebook sequentially.

The dialling prefix of each number (Network access and IDD codes) is analysed and conversion logic is applied to replace the existing prefix with a prefix valid for the newly selected country.

EasyRoam keeps track of which numbers have been converted so that, in the event a conversion being interrupted when partially complete, EasyRoam can resume the conversion when restarted.

Application:

EasyRoam carries a footprint of less than 70kb and has no impact on the normal operation of the phone, i.e. the user can receive calls while the conversion process is ongoing.

Deployment

Synapse can work with you and your handset OEM to ensure that EasyRoam is pre-provisioned on your handsets.

Alternatively, EasyRoam can be downloaded by your customers using your standard OTA download technology.

Additional Information

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