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What is iRemitHome?

The **iRemitHome** System allows registered customers to remit money to another registered customer. The two customers (Remitter & Beneficiary) can be in any countries. Such a transfer is made easily, quickly & very securely. Typically it is used for funds transfer among immigrants to make remittances back home.

A registered customer is one who has been issued a smart card for this purpose.

The offices or outlets from which such transfer will be performed will have a **Simputer** based terminal called SIMPOS that gets connected to a central server over Internet.

The Simputer

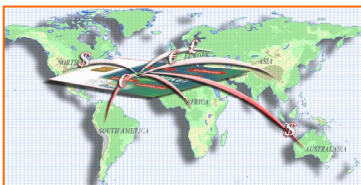
The Simputer is a low-cost, compact computer with multiple connectivity options. It is designed to be modular and extensible, and based on Linux. Its primary input is a touch-sensitive overlay on the LCD display panel.

The smart card

The solution is built with Gemalto's Payflex 4K, 3DES card. Datanet has developed a multi application smart card system called e-Smart Card. Its essential technology capabilities are (i) ID (ii) strong authentication (iii) e-Purse (iv) digital signature and (v) e-Document.

The Instant funds transfer application uses the digital signature and e-Document function, by generating & verifying the Transaction Authentication Code (TAC) for all key transactions and by storing the last five transaction records on the card itself.

Datanet delivers plastic & chip personalised cards that are ready to issue.



Simpos

Each location of the Funds Transfer Office outlets that facilitates money transfer needs a Simputer based terminal called SIMPOS and an Internet connection (of any type). The application software is loaded on these SIMPOS machines.

A smart card with a unique key is supplied with each SIMPOS, which will be the vehicle to authenticate the Funds Transfer Agency's official.

What can iRemitHome Do?

- **Registration and Issue of cards**

The cards are partially personalized at Datanet & the data will be in a central database to help complete the registration of cards.

The cards will be issued at Funds Transfer Offices after recording the customer details on the chip using the SIMPOS. The Issue transaction is done on-line (by connecting to a server hosted over Internet).

- **Registering lost card**

The person approaches the nearest Funds Transfer Office, establishes his/her identity and provides the (i) 16 digit card serial number (ii) Name and (iii) date of birth and requests the card to be hot listed. The Office uploads these details, and upon verification, the card will be marked as lost card and no further transactions are permitted on the card.

- **Define Exchange Rate**

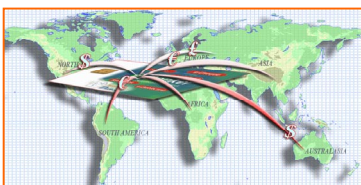
A browser-based transaction is provided to set the exchange rate between source & target currencies.

- **Activate Locations**

A browser-based transaction is provided to activate the Funds Transfer Office locations, when they are ready to start service.

- **Define commission or transaction fee**

A browser-based transaction is provided to define distinct commission rates for each transaction type.



- **Credit virtual account**

For each registered Smart cardholder, a separate virtual account is maintained in a central server.

A cardholder can credit amount into this account to maintain adequate balance for performing funds transactions. This is done by approaching the Funds Transfer Office, depositing the desired amount & performing a secure on-line transaction. Optionally, a printed receipt can be given.

- **Authorise Money Transfer**

For authorizing money transfer to another card, the customer approaches the Funds Transfer Office, gives the beneficiary card serial number, amount to be transferred and then a secure on-line transaction is done to perform the transfer instantly.

- **Withdraw Cash from Card Account**

A cardholder can withdraw amount from his/her account. For this he/she approaches the Funds Transfer Office with the smart card, specifies the amount & a secure on-line transaction is done to debit his/her account and get approval for payment of the amount in cash. The Official upon getting the approval online pays out the cash.

- **View exchange rate**

By Inputting Source currency & target currency, Exchange rate is downloaded & displayed from the defined values.

- **Get commission**

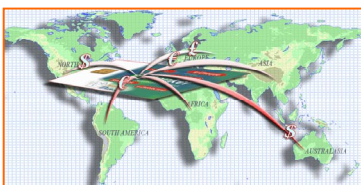
By inputting Transaction type, card account currency & amount, Transaction fee & Commission amount in card account currency are downloaded & displayed.

- **View card Transactions**

Using this facility, the customer can view the last five transactions recorded on the card's e-passbook.

- **The Reports**

At any point of time, the Central Office of the Funds Transfer Services can view/download the reports.



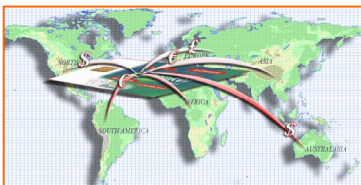
They are of the following types:

- Detailed report location wise
- Summary report for all locations
- Variety of MIS reports

- **Download transaction data**

A browser-based transaction is provided to download the raw data of all transactions stored in Anyflow server (see note at the end of the document) as an MS Excel file to a Central Office of the Funds Transfer Service. This can be used to generate any other MIS report.

Note: Anyflow server is a secure, hosted-managed Internet based server facility provided by Datanet. The server is primarily used for (i) strong authentication, and (ii) optionally for capturing & storing the transaction database.



System Architecture

