

perago:paygov

Trust and Innovation



BACKGROUND

The Central Bank play multiple roles in the national payment system including settlement services provider, overseer, settlement bank, banker of government and participant. It is in its role as a banker of Government that perago:paygov aims to support the Central Bank.

Government is a major player in the payment system of any country. An effective mechanism for Governments to process outward and inward payments not only increases the efficiency of Governments financial management, but can make a big contribution towards effective liquidity management on a national scale.

THE SOLUTION

Perago:paygov is implemented in the Central Bank and operates as a sub ledger of the general ledger of the banks accounting system. The perago:paygov system is intended for the facilitation of making and receiving payments that comply with the following requirements:

- On time: The real-time paradigm has the benefit of ensuring that the payments are made on time and that liquidity is injected into the economy.
- Low cost: Payments are made as low costs as possible. The real-time paradigm of perago:paygov ensures that funds can be channelled back into the institution making liquidity for payments available to institutions departments and ministries.
- Efficient: Operational efficiencies are achieved due to the integration between perago:paygov, core banking, Automated Clearing House (ACH) and the Real Time Gross Settlement System (RTGS) which ultimately translate into cost benefits; and
- Prefunding: All the payments processed via the perago:paygov will work on a prefunding basis, therefore payments destined for the RTGS and ACH should be funded prior to being submitted.

PRODUCT FUNCTIONALITY

Payment management workstations, Government treasury or Government departments, depending on the implementation model selected, utilizes a payment management workstation to manage their incoming and outgoing payments by:

- Incoming payments received in real-time from the domestic RTGS system managed by central banks, or in batches received from the ACH at the end of a processing cycle; and
- Outgoing payments are channelled to the domestic RTGS or the ACH depending on the value or urgency associated with the payment.

The web based management workstation gives government a real-time view of their position in the perago:paygov system and is also utilized for producing reports, account statements and queries.

ADMINISTRATION

Master file maintenance facilities are provided to the system administrator to:

- Manage accounts, manage account types, and manage user account limits.
- Manage static data required for processing; and
- Monitor positions and payments processed.

CENTRAL PAYMENTS ENGINE

The payment engine provides facilities for government payments to be processed on a gross bilateral bases and payments can be authorized and queued until sufficient funds are available to issue the payment.

The payments engine has the following features:

- Ability to make payments via multiple sources, i.e. payment management workstation and participant bank-office.
- Payments made from the payments management workstation are immediately processed or diarized as instructed by the Central Bank in its role as settlement provider.
- Payment queuing mechanisms are available.
- Provision is made for multiple government accounts so that records can be kept within the account structure preferred by the customer.
- Different government departments can keep separate accounts in the system to manage payments; and
- An automated schedule manages the processing in the payment engine, with cut-off times for submitting payments to the payment engine. An end of the day cut off is used to manage the close of day processing usually before the close of the RTGS system.

REPORTS

Reports include enquiries based on date and value ranges for payments made and received, status reports of payments, queued and master file reports to manage the payments engine and statistics of transactions processed in the system. Reports can be requested through the front-end system at the government or through the administrator front-end.

SYSTEM INTEGRITY MEASURE

The perago:paygov system provides a high level of integrity and security in order to protect the system from fraudulent payments and negligence.

The features provided include:

- The system caters for full access control to the system.
- Multiple levels of authorisation is provided for users; and
- All transactions are kept so that full life cycles of any payment is available for full audit trails.

KEY BENEFITS



Modularity of the solution that has a framework with building blocks:

- Efficient receipt of payments for government departments and ministries.
- Improved liquidity.
- Improved control over payment and fraud management.
- Integration into revenue authority back-office systems for more efficient tax collection; and
- Both single and multiple batches of payments are provided for.

COMPLIMENTARY PRODUCTS



The modular nature of the Perago solution allows for flexibility which easily adapts to the often disparate requirements of customers. The modules all form part of one great whole and the customer experiences one singular system view, regardless of which solution set is implemented.

This is made possible by the Perago360 framework, upon which all the Perago solutions are implemented. These include an Instant Payments System (perago:exp) and a smart business integration system that includes various modules (COMESA, SIRESS, PVP, CLS, STP and Proxy), (perago:Xhub). Furthermore the Perago suite of products include additionally overlay systems that our clients can benefit from, namely a secure enterprise messaging system, (perago:ems), a business intelligence solution based on cubes, (perago:bi).

The above systems all benefit from the flexibility of the Perago360 platform architecture which by default includes a user Access component used to grant or deny users authorization to the Perago systems. A scheduler component used to control the operating hours of the different Perago systems.

Furthermore a Billing component used for billing participates in the system and single sign on component that facilitates ease of sign on, whereby users who are running multiple Perago system sign on in a single window and then have access to the relevant systems and/or components.

Additionally the Perago products include a Central Securities Depository system, (perago:csd), a clearing system, (perago:clear) and a Real Time Gross Settlement System, (perago:rtgs). The RTGS and ACH systems can be tightly integrated to form an Automated Transfer System (ATS) solution.

BACKGROUND ON PERAGO



Founded in 1999, Perago is a world leader and innovative company delivering high quality cost effective solutions which include payment systems (Real Time Gross Settlement, Automated Clearing House, Instant Payments and Government Payments), securities management (Central Securities Depository and Collateral Management) and smart integration solutions (Straight Through Processing and Payment Hub).

At Perago recognized trust, superior business knowledge and innovation together with outstanding operational Service Levels are key building blocks upon which our solutions are built to help Central Institutions and Banks streamline any mission critical process quickly and cost effectively

BACKGROUND ON SIA



SIA is European leader in the design, creation and management of technology infrastructures and services for Financial Institutions, Central Banks, Corporates and Public Administration bodies, in the areas of payments, cards, network services and capital markets.

SIA Group provides its services in 46 countries, and also operates through its subsidiaries in Austria, Germany, Romania, Hungary and South Africa. The company also has branches in Belgium and the Netherlands, and representation offices in the UK and Poland.

In 2016, SIA managed 12.2 billion clearing transactions, 4.3 billion card transactions, 2.8 billion payments, 47.4 billion financial transactions and carried 654.3 terabytes of data on the network.

The Group is made up of nine companies: the parent SIA, the Italian companies Emmecom (innovative network applications), P4cards (card processing), Pi4Pay (advanced collection and payment services), TSP (front-end services), and Ubiq (innovative technology solutions for marketing), Perago in South Africa, PforCards in Austria and SIA Central Europe in Hungary.

PERAGO FINANCIAL SYSTEM ENABLERS (PTY) LTD (PERAGO)

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