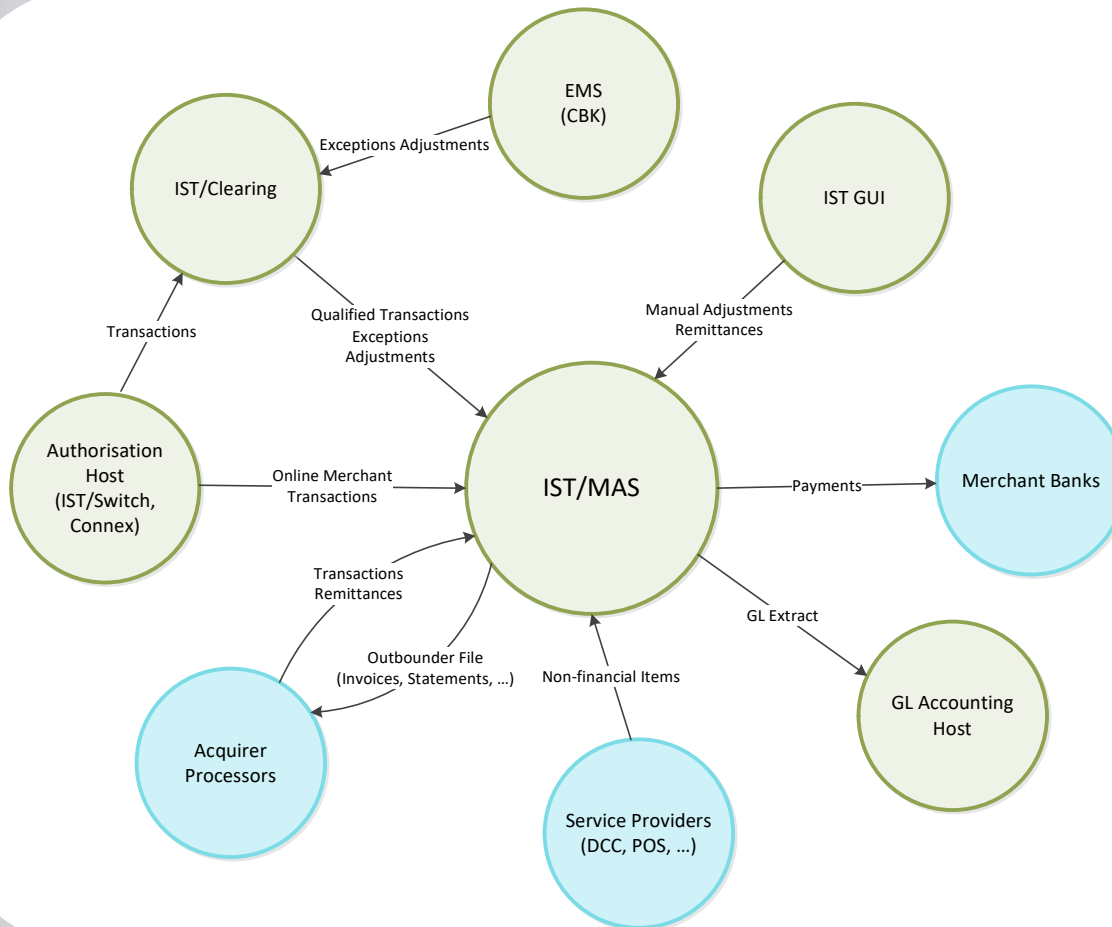




IST MAS (Merchant Accounting and Settlement) Product Overview

2019

IST/MAS: Generic Solution



In:

- Financial transactions
- Non-financial transactions
- Non-transaction fees
- Service events
- Exceptions
- Adjustments
- Remittances

Out:

- Payments: ACH, Wire, etc.
- Invoices
- Reconciliation reports ('Outbounder')
- Balance reports
- GL reports
- Other reports

Main Features



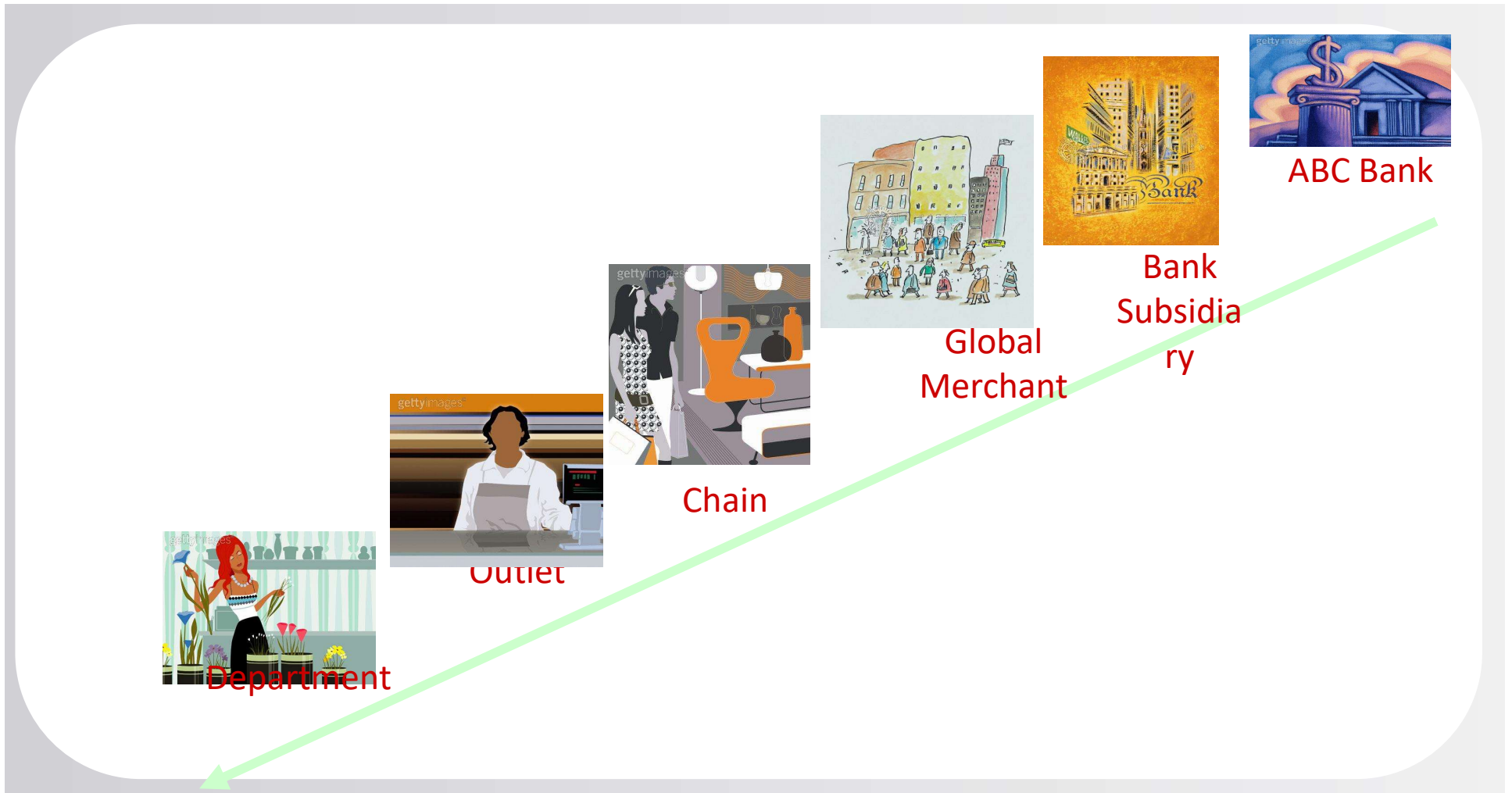
- **Multi:** Multi-Institution, Multi-Currency, Multi-hierarchy
- **Settlement:** Multi-Settlement Options
- **Profitable:** Flexible pricing/discount billing to maximize revenue
- **Evolving:** New features are being added constantly
- **Customizable:** Easy to use custom features, even on the fly
- **Scalable:** Multi-threaded, optimized to utilize available hardware
- **Lights-off Ready:** Runs 365x24x7, minimum administration
- **Flexible:** Extended configurability in every functionality
- **Secure:** Entitlement/Authentication services

Entity setup and maintenance



- Fully functional multi-institution support
- Hierarchical model of multi-tier parent child representation
 - Flexible entity hierarchy (up to 99 levels)
 - Profit sharing among entities within the hierarchy
- Shareable pricing/discount billing plan to simplify maintenance
- Secured GUI access
- XML based interface for merchant data exchange with other systems (online or batch)

Parent-Child Hierarchy (Example)



Parent-Child Hierarchy

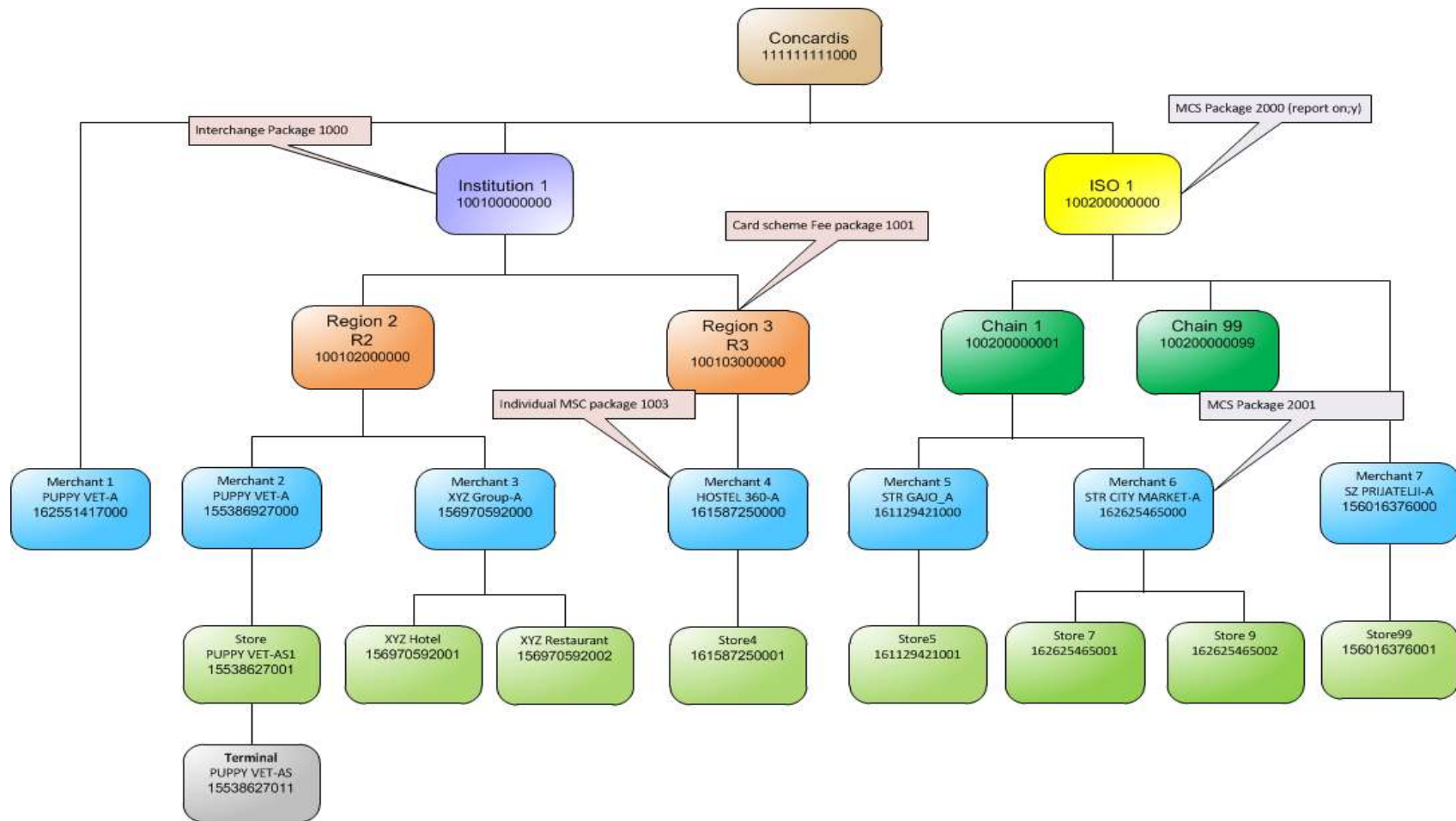


Entity Level	
Role (Processor)	Level 1
Parent (1) Entity ID Role (Institution)	Level 2
Parent (2) Entity ID Role (Sub-institution)	Level 3
Parent (3) Entity ID Role (Agent Bank)	Level 4
Parent (4) Entity ID Role (ISO/ISA)	Level 5
Parent (5) Entity ID Role (Chain)	Level 6
Parent (6) Entity ID Role (Region)	Level 7
Parent (7) Entity ID Role (Department)	Level 8
Parent (8) Entity ID Role (Branch)	Level 9
Parent (9) Entity ID Role (Individual Store)	Level 10
Parent (X) Entity ID Role (X)	Level 99

Entity	Description
Institution	Mandatory entity role concept as used in the IST/Interchange product. From the message the BIN and the PAN determines the institution's affiliation with VISA, MC, etc.
Agent	Optional entity. Third party entity that signs up the merchant chain or merchant with the acquiring institution. The Agent instructs how the merchant interfaces with the institution.

Entity	Description
Merchant Chain	Optional entity that has Institutions as its parents (one to many relation), a side relation with Agents (one to many relation) and Merchant, Stores, Terminals and batches as its children (one to many relation).
Merchant	Mandatory entity. Merchant may have Merchant chain or Institution as its parent entity. It has a side relation with Agent. Merchant has Stores as its children.
Store	Mandatory entity. Store must have Merchant as its parent and Terminals and Batches as its children.
Terminal	Mandatory entity which has Store as its parent and Batches as its children.
Batch	Mandatory entity. File of electronic captured transactions related and uniquely recognized within all parent entities and/or business day of shift.

Sample of Entity Hierarchy Structure



Flexible Transaction Pricing



- Flexible Discount Pricing Models : (cost++, tiered, flat)
- Flexible setup at different merchant level
- Transaction/Item billing using shareable fee Packages
- Rate Selection based on Transaction Type, Billing Code, Card Scheme
- I.S.O. Billing (Revenue Sharing) and Non-Qualification Pricing
- Split payments (reserve)
- Tax calculation

Transaction Pricing



- Defined as pricing packages
- 'Pick and mix' pricing packages for any entity
- Can be assigned to any entity level

Additional pricing features:

- Promotional pricing
- Seasonal pricing
- Tiered pricing (based on transaction count, accumulated amount, average amount)
- Differential pricing

- Entity ID
- Transaction type
- Card scheme
- Transaction currency
- MAS Code (aggregate transaction description code)

- Flat rate
- Percentage rate
- Minimum and maximum amounts
- Rate assessment rules
- Affective dates

Flexible Non-transaction Related Billing



- Flexible setup at different merchant level
- Flexible charging period/frequency
- Multiple charging types to maximize the revenue
 - Recurring fee (for example, monthly terminal rental, statement fee)
 - Instalment fees (for example, one time application fee)
 - Penalty charges - For example, number of chargeback's exceeds the limit
 - Tiered pricing with minimum charges within configurable period
 - Per item rate
 - Maximum percent to volume – (charge for each transaction that exceeds threshold value)
 - Payment (ACH, Wire) fees
 - Flat rate

Settlement



Settlement options:

- Settlement currency defined per entity account
- Multiple settlement currencies
- Payment can be posted to any level within the hierarchy
- ISO Billing (revenue sharing): percentage of payment posted to an alternative entity
- Split payment: percentage of payment withheld up to a maximum amount

- Entity ID
- Transaction type
- Card scheme
- Transaction currency

- Posting entity
- Bank account
- Settlement frequency
- Delay factors (per day of week)
- Debit and credit GL accounts
- Accumulation method (by day, file, batch, etc.)
- Payment method (ACH, Invoice, etc.)
- Payment cycle

General Ledger Logging and Reporting

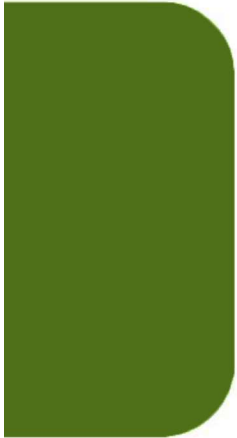


Flexible G/L account journal entries

- Transaction Type
- Currency
- Card Type

Online inquiry report or data file

- Default File format supported
- Easy to add a new file format



Thank you