E-Procurement
E-procurement

- Basic terms of e-procurement
- Key benefits of e-procurement
- Position of e-procurement system in ERP system
- E-procurement flow chart
- Methods and tools
- Software Architecture, Tiers
E-procurement

- Web based ERP
- E-sourcing
- E-tendering
- E-reverse auctioning
- E-informing
E-procurement key benefits

- Improved management information of purchasing
- Improved transparency during purchasing process
- Standardized and streamlined purchasing spend control and better use of corporate contacts
- Budget holder have visibility and hands-on control
- Supplier bills are paid on time
- Reduction in paperwork, improved customer service
Position of e-procurement system in General ERP system

Database

E-Procurement

Intermediary System

Purchase System
Accounting System
Sale System
Warehouse System
E-Procurement Methods and Environment

- Planning methods and tools
- Procurement methods and tools
- Payment methods and tools
Planning tools

- Spend Analysis tools
- Supplier Management tools
- Electronic Auctions
- E-RFXs
  - RFI- request for information
  - RFT- request for tender
  - RFP- request for proposals
  - RFQ- request for quotation
Procurement Tools

- Electronic catalogues
- Electronic purchase orders (POs)
- Automated Approvals
- FMIS-ERP systems (Financial Management Information Systems)
Procurement Tools-Internally Hosted Catalogues

End User

Order Details and spend Limits

Transactional Procurement System

Agency FMIS

Order is created and sent to supplier for Processing

Supplier System

Internal Catalogues
Procurement Tools-Punch Out Catalogues

End User

Transactional Procurement System

End user browse supplier catalogue via punch out form internal eProcurement system

Order Details and spend Limits

Agency FMIS

Order is created using punch out details and send to supplier for Processing

Internal Catalogues

Real time pricing and stock availability

Supplier System
Procurement Tools-Direct Supplier Catalogue Access

End User

Agency FMIS

Supplier System

Internal Catalogues

Order is created and lodged directly in the Supplier system

Real time pricing and stock availability

Order is paid
Payment methods and tools

- P-cards (Purchasing Cards)
- EMS (Expense Management System)
- EFT (Electronic Fund Transfer)
- ERS (Evaluated Receipt Settlement)
Application Tier of software Architecture

- Workflow Services
- Tolerance Service
- Order Monitoring Service
- Configuration
Java in the ERP and e-procurement application

- Multiplatform
- Compatible with complex application
- Object oriented
- Flexible and modular
- Accomodate with SAP (JRFC-java remote function calls package)
- Oracle serves “Oracle Business components for Java” with oracle JDeveloper
Sources

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- “Google Answers” and “Google scholar”