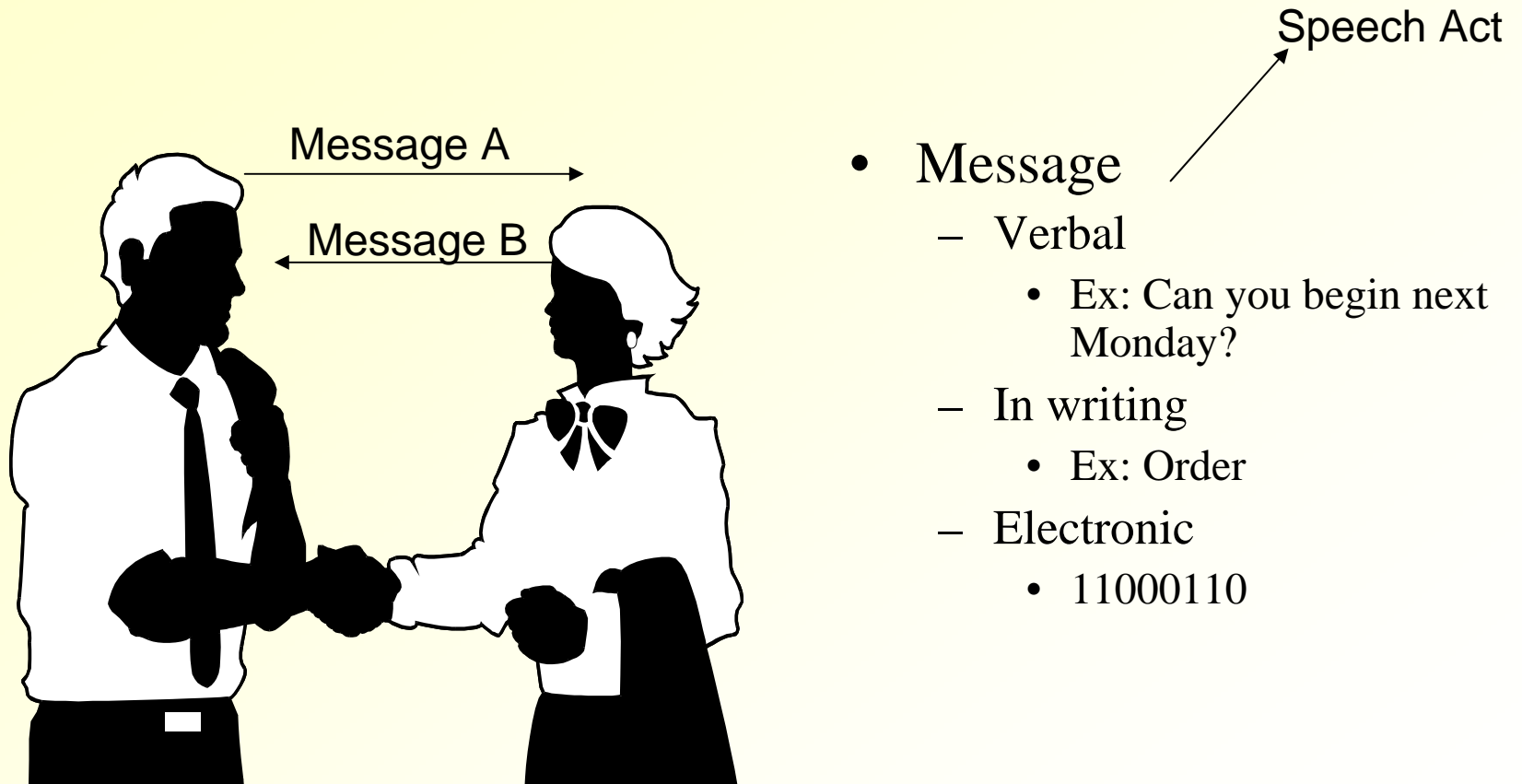


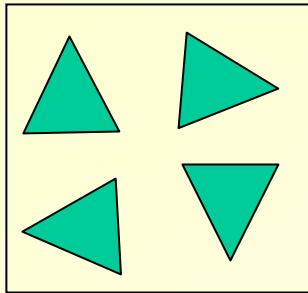
Logistic

Organisations and logistics

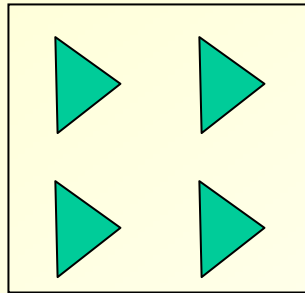
Communication



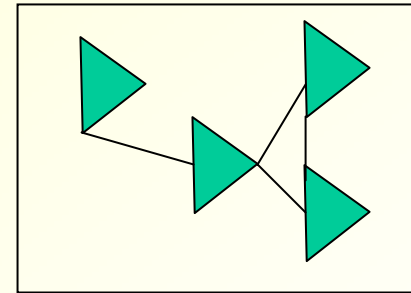
Structure?



Unorganised
activities



Goal-oriented
organisation



Goal-oriented and
co-ordinated organisation

Organisation

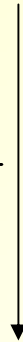
- Structure

- work differentiation
- information and command
- responsibility and decision

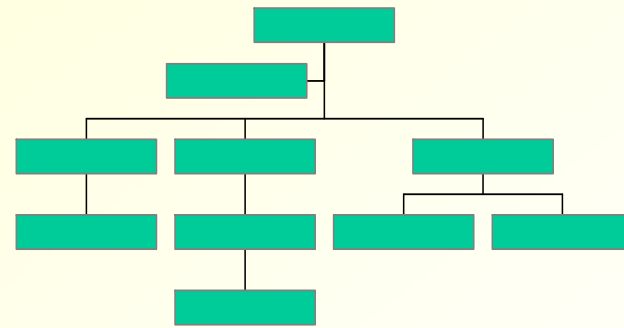
- Orientation

- task
- products
- geographical
- customer
- etc

Vertical



Formal organisation



Horizontal



Job descriptions

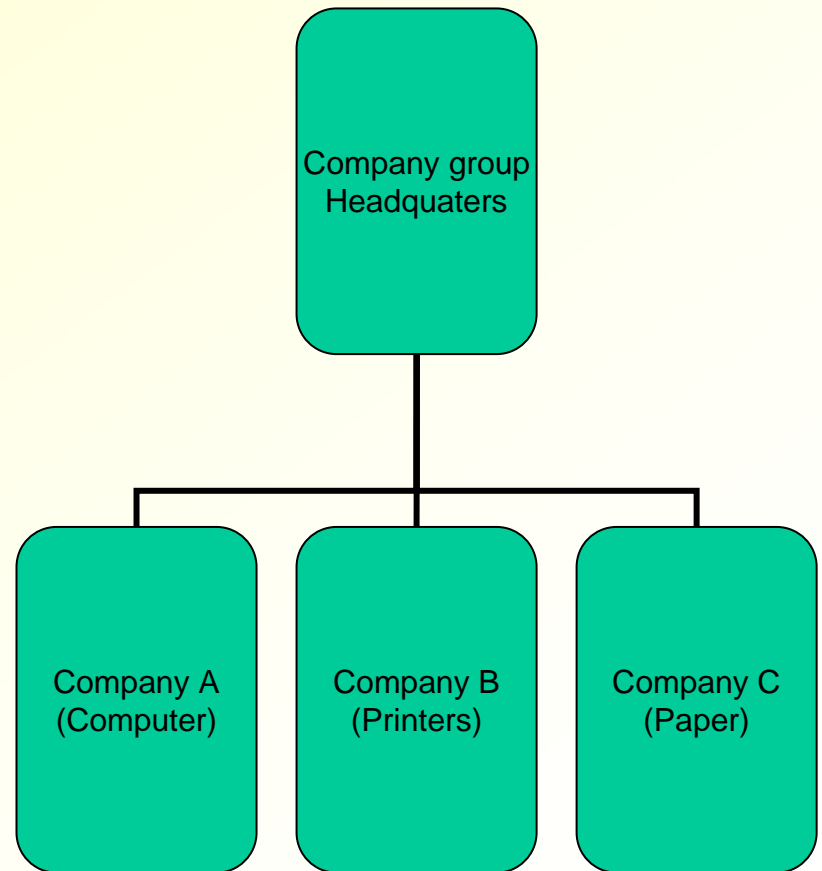
Workflow descriptions

Matrix organisations

	Sale	Purchase	Stock
Company A			
Company B			
Company C			

Company group

- Business areas

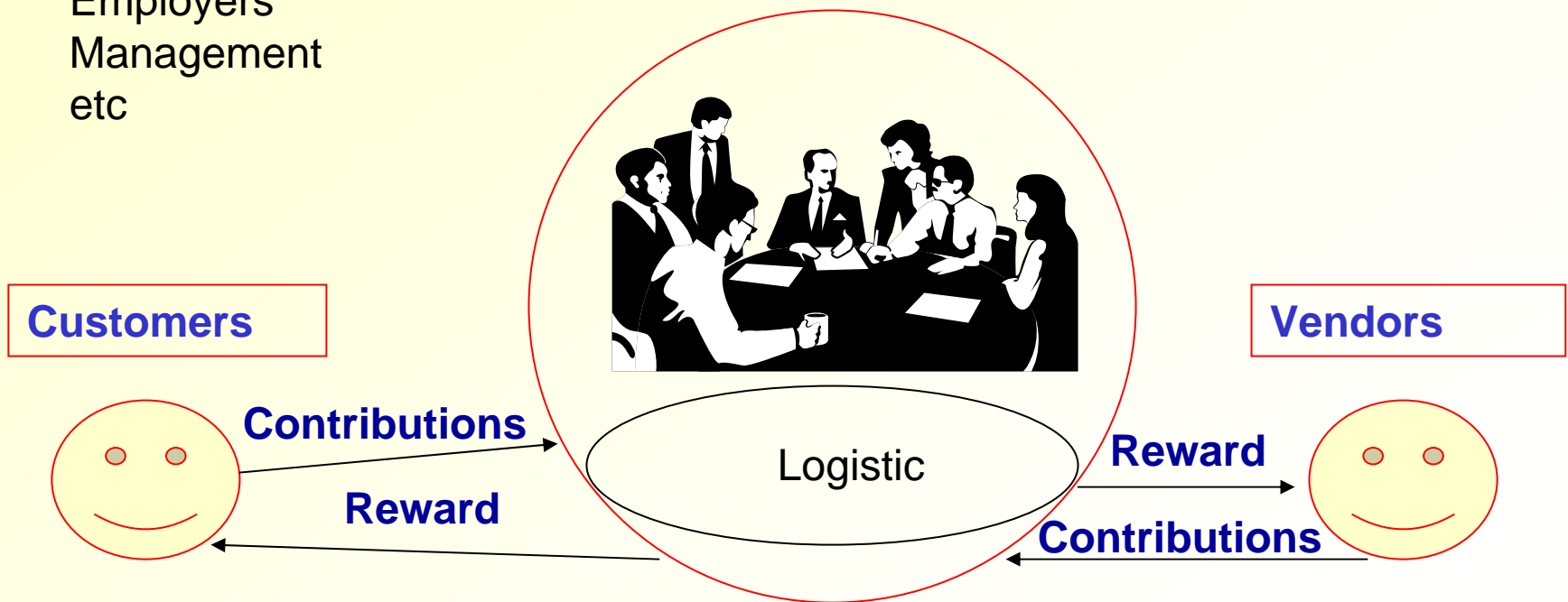


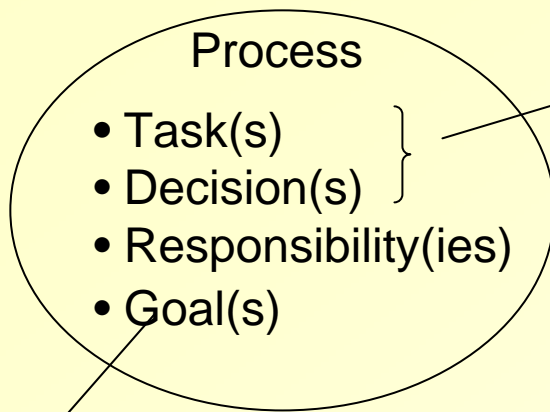
Logistic

Stakeholders?

Customers
Vendors
Owners
Employers
Management
etc

**Business-
process**





Process models

Different kinds of business documents



Goal model



Inquiry

Quotation

Order

Acknowledgement

Shipping note

Invoice

Complaint

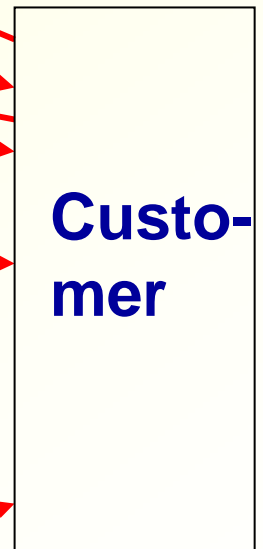
Credit note

Management of reminders

Reminder to pay

Management of debt-collection

Debt-collection letter



Order?

Sales document type (1) 50 Entries			Sales document type (1) 50 Entries found			Sales document type (1) 50 Entries found		
Restrictions			Restrictions			Restrictions		
<div><div><div>✓</div><div>✕</div><div>🏠</div><div>🏠</div><div>🖨</div><div>📄</div></div></div>			<div><div><div>✓</div><div>✕</div><div>🏠</div><div>🏠</div><div>🖨</div><div>📄</div></div></div>			<div><div><div>✓</div><div>✕</div><div>🏠</div><div>🏠</div><div>🖨</div><div>📄</div></div></div>		
SaTy	Description		SaTy	Description		SaTy	Description	
AA	Promotion order	A	L2	Debit Memo Request	B	SDF	Subs.Div.Free of Ch.	D
AT	Ret.Packaging Pickup		MAKO	Dely order correctn		SPO	Spare Part Order	
B1	Rebate Cred Memo Req		MM	Dely order returns		TAM	Delivery order	
B2	Rebate Correctn Rqst		OR	Standard Order		TAV	Standard Order (VMI)	
CD	Deliv.Free of Charge		PS1	PS: order	WA	Rel. to value contr.	E	
CEA	Correction f.ExtAgnt		PS2	PS: billing request	ZA	Internet order		
CF	Consignment Fill-up		R3	PartRebSettl.request	ZAD4	A&D Order	F	
CI	Consignment Issue		R4	Reb.Reg.f.Man.Accrls	ZAD5	Standard Order		
CP	Consignment Pick-up		RA	Repair Request	ZBV	Factory sales		
CPC	ConsignPick-up CompS		RAS	Repairs / Service	ZEC3	A&D Order		
CR	Consignment Returns	RE	Returns	ZL2	SP Debit Memo Req.			
CRES	ConsignReturn CompS	RK	Invoice correct. req	ZRRC	Returns Recycling			
CS	Cash Sale	RO	Rush Order	ZSB	Third Party w/o SN			
DL	Order Type Sched.Ag.	RPI	Ret.Packaging Issue	ZSE	Third Party with SN			
DR1	Agrmnt Deb.Memo Req.	RSA	Returns Sched.Agrmnt	ZSP1	SP: Service order			
DR2	Agrmnt Deb.Memo Req.	SCO	Stand Unit Costing					

Orders in use, ex

- A
- B
- C
- D
- E
- F
- Cash Sale
- Standard Order
- Rush Order
- Delivery Order
- Internet Order
- Service Order

Each order type has its own set of activities that are to be performed when the order type is in use

Quotation inquiry

What items you
intend to order

Order

Delivery address
Contact person
Order total
Reference to quotation

Item/article:

- quantity
- price
- delivery terms
- terms of payment
- delivery date
- quantity discount

Quotation

Period of validity
Reference to Quotation
Inquiry

Acknowledgement

Reference to order

Price list

Shipping note

Item
Quantity
Delivery address
Reference to order

Invoice/Credit note

Payment for delivered items
Reference to order,
shipping note,
complaints
etc

**Customer facts/
vendor facts**

Delivery terms

Terms

Freight

Insurance

Risk

**Vendor
(Malmö)**

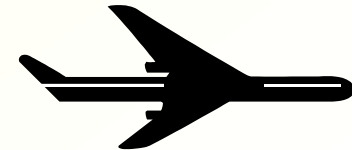
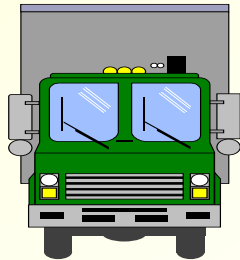
**Customer
(Stockholm)**

- Set of standard clauses stipulation whether vendor or the customer pays for the freight, insurance and risk along with a place.

- Ex. Cif Stockholm

This agreement stipulates that the vendor pays for freight and insurance to Stockholm

- Total numbers of clauses are 6.



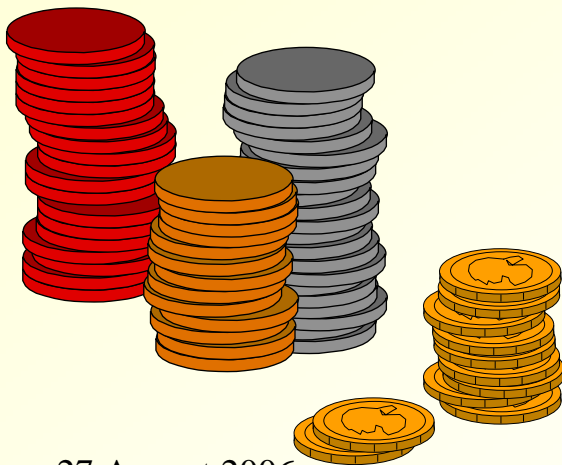
Terms of payment

According to law

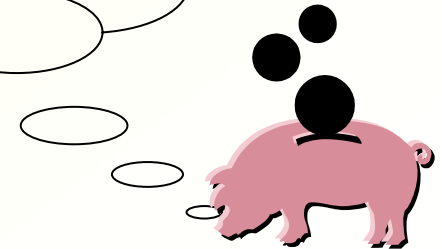
- 30 days pay net cash

According to agreement

- pay net cash
- 10 days pay net cash
- 10 days ./. 3 %discount
- Interest on overdue payment 21 %



Interest on overdue payment 21 % ?

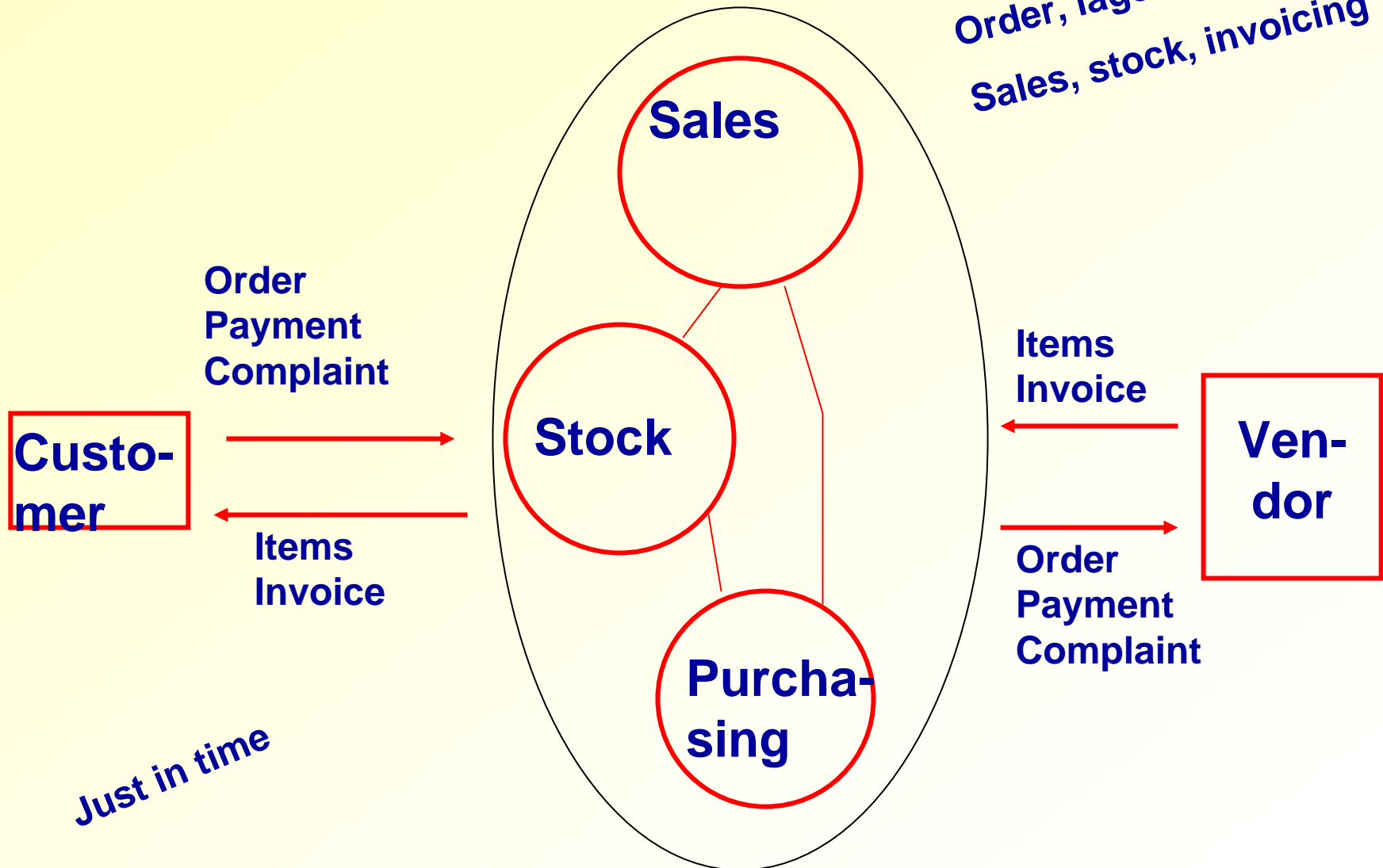


Complaint

- **Incorrect item**
- **Incorrect quantity**
- **Damaged item**
- **items missing**
- **Fault in quality**
- **etc**

Logistic

OLF
Order, lager, fakturering
Sales, stock, invoicing



Sales process

Concerns: Line of business	Customer categories	Selection of items
<div>Sales</div> <ul style="list-style-type: none">• Offer• Order entries<ul style="list-style-type: none">• Items in stock or not• Creditworthy• Acceptance of order• Shipment document<ul style="list-style-type: none">• Collecting order• Shipping note• Payment documents<ul style="list-style-type: none">• Invoice• Reminder invoice• Complaint handling• Entries into the stock book	<div>Stock</div> <ul style="list-style-type: none">• Collecting items• Packaging items• Stock account of deliveries	<div>Distribution</div> <ul style="list-style-type: none">• Arrange transport• Load• Delivery documents<ul style="list-style-type: none">• Consignment note• Customs declaration• Arrival message• Acknowledge documents

Complaint

(activities and/or decisions to be made)

- Incorrect delivery
 - Supplementary delivery
 - New sales order
 - Supplementary invoice
- Damaged items
 - Send back
 - Kept by the customer
 - Thrown away by us or the customer

Creditworthy

(activities and/or decisions)

- Check if the order total \leq a customers disposable credit (granted credit - unpaid invoices (to be find in customer accounts))
- Punctual payer?
 - Decided by the financial management?
- Special condition
 - Obtainable by the C.E.O.

Stock account

Item no Item name Stocktaking		Buffer stock Safety stock Lead time		Order point Order quantity Optimal order quantity		
Date	Supplier order	Incoming deliveries	Re-served	Deliveries	Available in stock	Stock balance

Selection of items

Purchase process

Line of business

Customer quantities

Customer categories

Purchase

Goods -Receipt

Stock

- Handling purchase needs
- Search for/decides supplier
- New supplier?
- Quotation?
- Orders
- Evaluates Quotations
- Quotation choice
- Make complaints
- Make entries into the stock book

- Receive incoming deliveries
- Check incoming deliveries
- Make entries about complaints
- Handle delivery documents
- Handle acknowledgement documents

- Place items in stock
- Make entries into the stock book of incoming deliveries

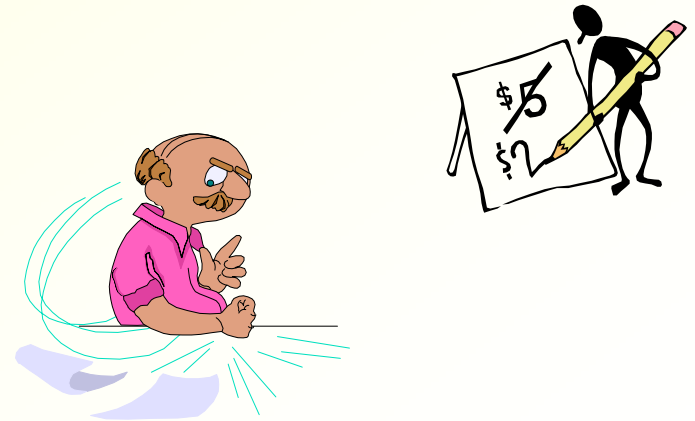
Evaluation and choice of quotations (activities)

- Comparable facts
 - Price in stock
 - Quantity discounts
 - Delivery terms
 - Other facts of interest
- Comparison of quotations
- Choice of quotation

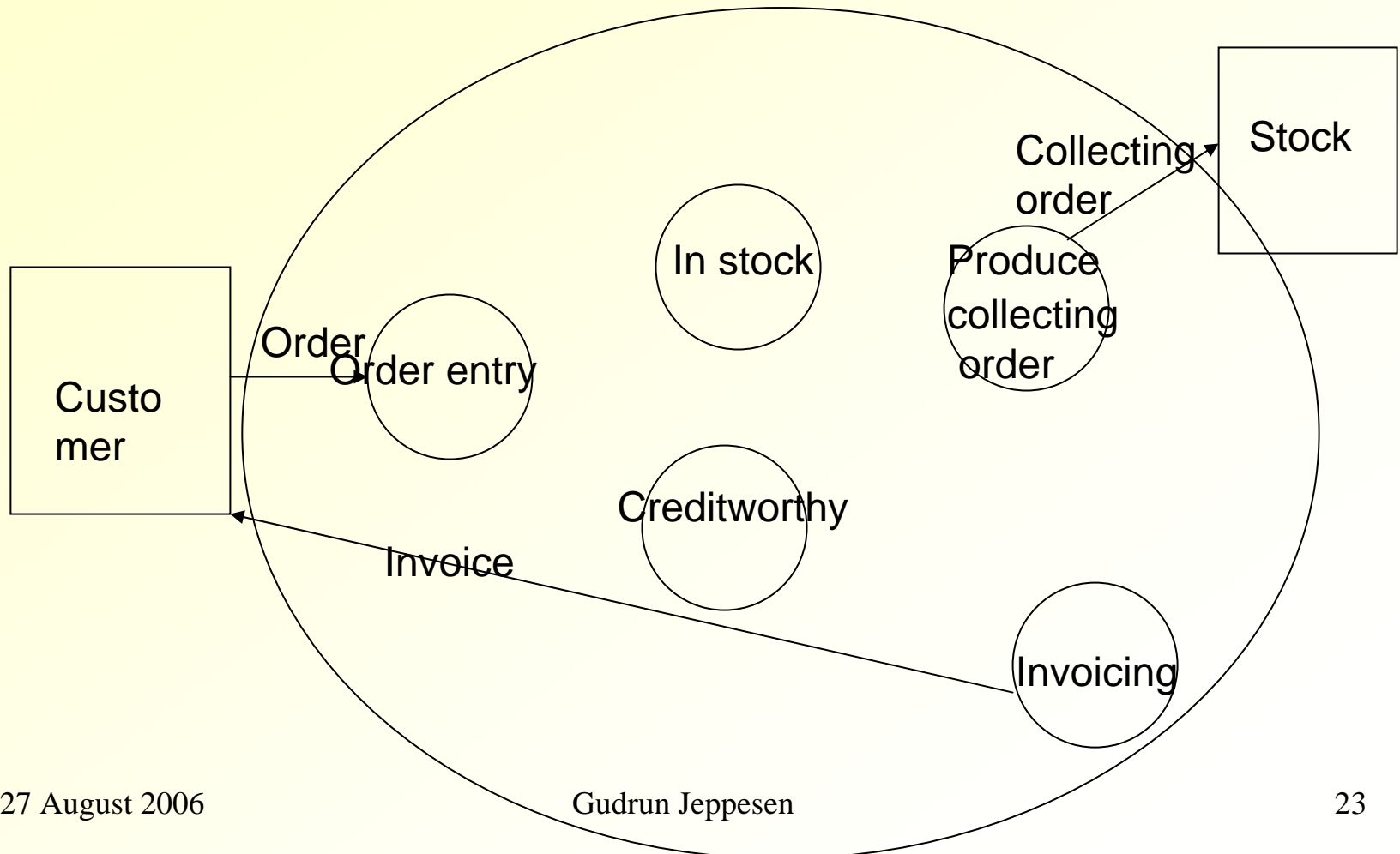
Handling of invoices (activities)



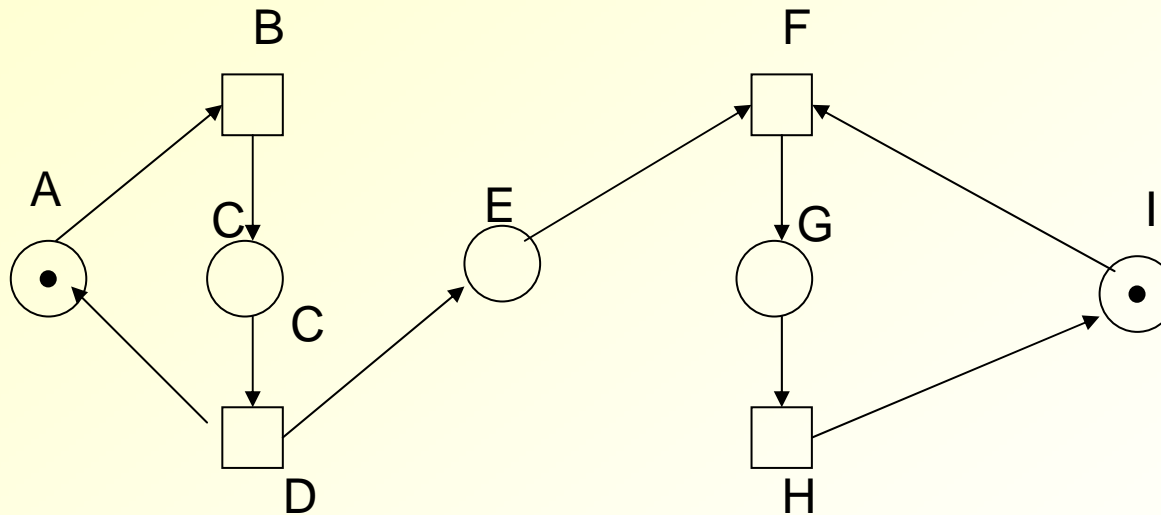
- Certifying of invoices/reminder invoices
- Payment of invoices/reminder invoices
- Payment reminders
- Debt-collection



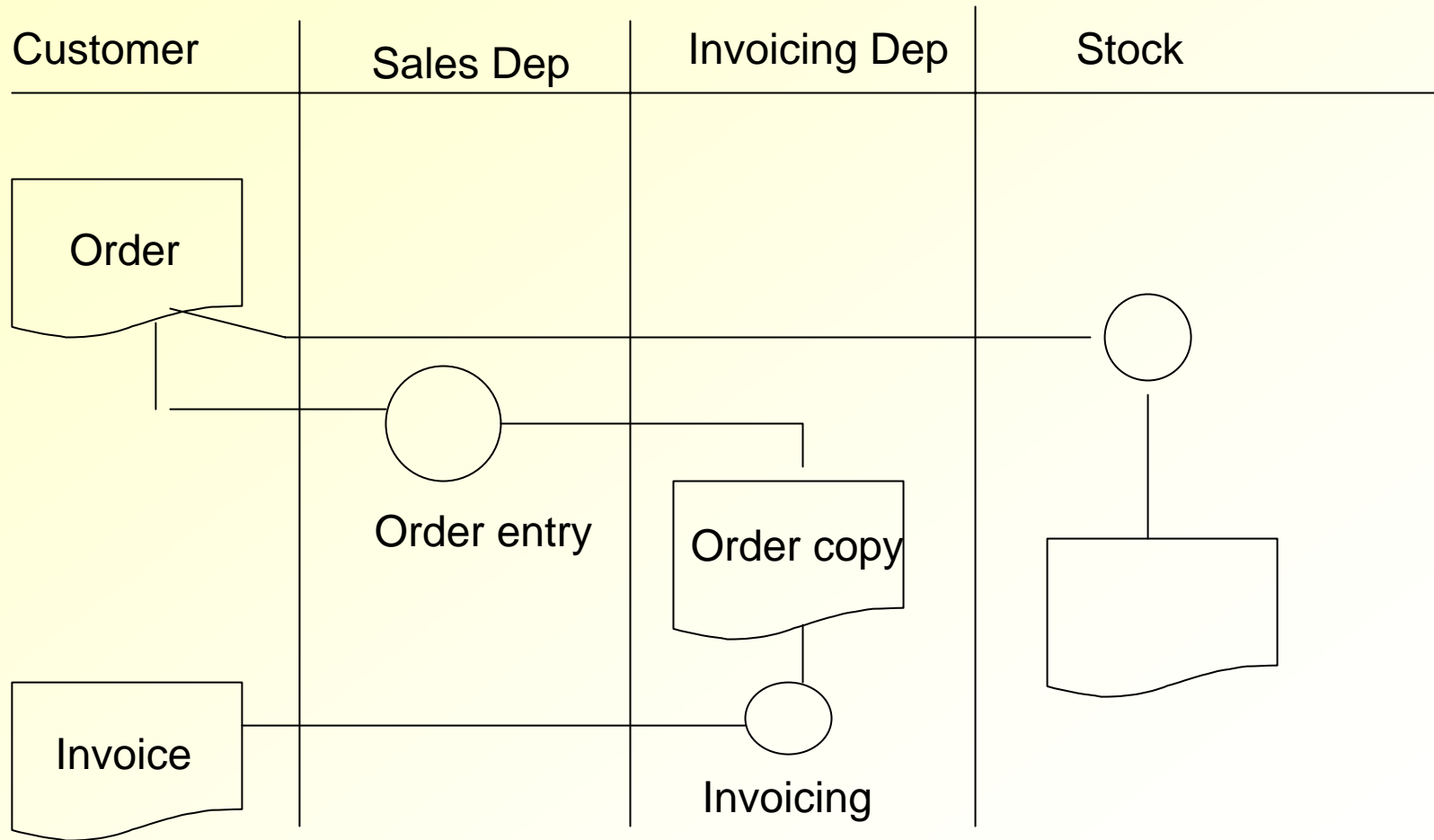
Process model (sales)



Petri net



Ex graphical work flow description: Sales routine



Value chain

- A value chain describes those activities that are part of a certain scenario e.g a standard sale.

