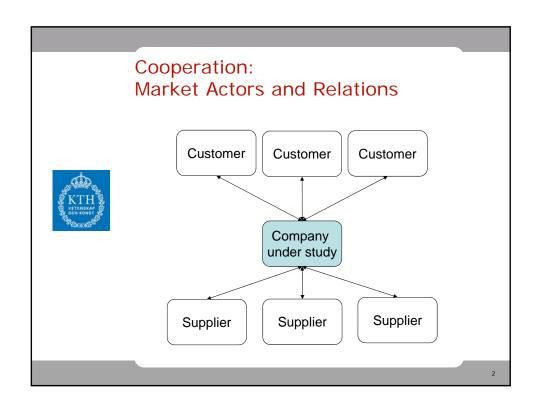
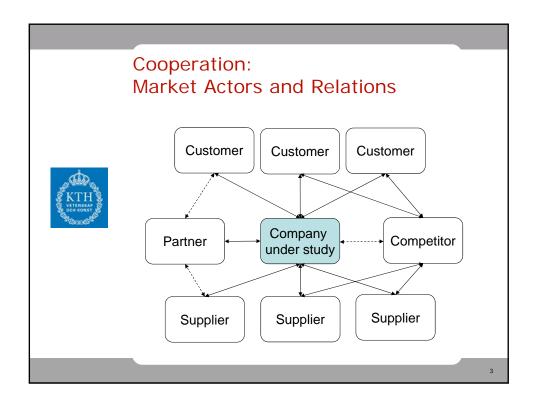
About Business models and Ecosystems



Jan Markendahl November 07, 2012





Aspects to discuss

- Business models
- Ecosystems
- Industrial sectors



- Distribution of business roles
- How to organize the supply chain

About Business Models

- Some definitions found at the web
 - The plan a company uses to generate revenue



- A business model describes the rationale of how an organization creates, delivers, and captures value
- The particular way in which a business organization ensures that it generates income, one that includes the choice of offerings, strategies, infrastructure, organizational structures, trading practices, and operational processes and policies

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About Business Models

- There is a multitude of definitions of how to model "business models" and large number of papers.
 - The Business Model Ontology (BMO)
 - The Business Blueprint Method (BBM)
 - The e3value ontology
 - The approach by Chesbrough & Rosenboom 2002



Business Model Ontology (BMO) by Osterwalder et al (2005)

- The business model is composed by four main elements or "pillars":
 - Product



- Customer Interface,
- Infrastructure Management
- Financial Aspects.

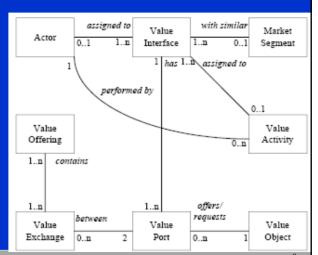
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The Business Blueprint Method (BBM) SERVICE CONCEPT Value proposition Target group VALUE FOR CUSTOMERS VALUE FO

Gordijn & Akkerman, 2003

e^3 value modeling constructs:

- Actor
- Value Object
- · Value Interface
- · Value Offering
- · Value Transfer
- · Market Segment
- Value Activity
- Composed actor

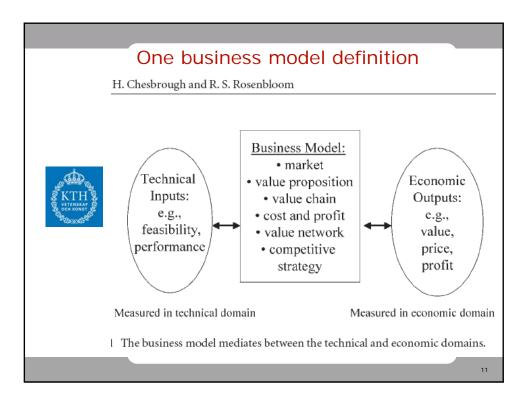


E3value ontology

 The e3value methodology (Gordijn, Akkermans, 2001) has been developed to model a value web consisting of actors who create, exchange, and consume things of economic value.



- The e3-Value Ontology aims at identifying exchanges of value objects among actors in a business case and supports profitability analysis.
- The e3-Value Ontology includes some base constructs (Actors, Value objects, Value interfaces, Value ports, Value Interfaces and Value exchanges) and defines linkages among them.
- The constructs and their linkages in the e3-Value Ontology can be used to model a Value Network.



Elements in the BM definition by C & R

- Value proposition.
- Market segment.
- · Firm organisation and value chain
- Cost structure and profit potential.
- · Competitive Strategy
- Firm in the value network



Elements in the BM definition by C & R

- Value proposition.
 - What can our product offer that is new and unique compared to what's available on the market today?



- Firm organisation and value chain
 - What additional assets and functions will the firm need, in order to provide the service?
- Firm in the value network.
 - How is the firm positioned in the network of other players in the industry?

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Elements in the BM definition by C & R

- Market segment.
 - For what market segment is the service useful or of interest?



- Cost structure and profit potential.
 - Estimate the cost structure and profit potential of producing the service offering given the value constellations under study.
- Competitive Strategy
 - How is the position in relation to other competing firms?

About "ecosystems"

How many have heard it before?



Related to what?

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Business Ecosystem

In the early 1990s <u>James F. Moore</u>
 originated the strategic planning concept of a
 business ecosystem, now widely adopted in the
 high tech community.



- The basic definition comes from Moore's book "The Death of Competition: Leadership and Strategy in the Age of Business Ecosystems"
- The concept first appeared in <u>Harvard Business</u> <u>Review</u> in May/June 1993,

Business Ecosystem

Moore defined "business ecosystem" as:

"An economic community supported by a foundation of <u>interacting organizations</u> and individuals—the organisms of the business world. The economic community produces goods and services of value to customers, who are themselves members of the ecosystem.

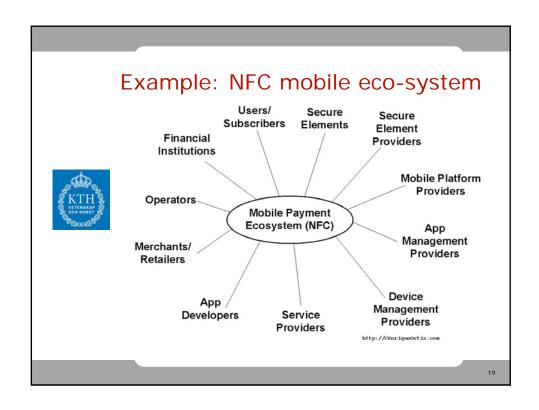


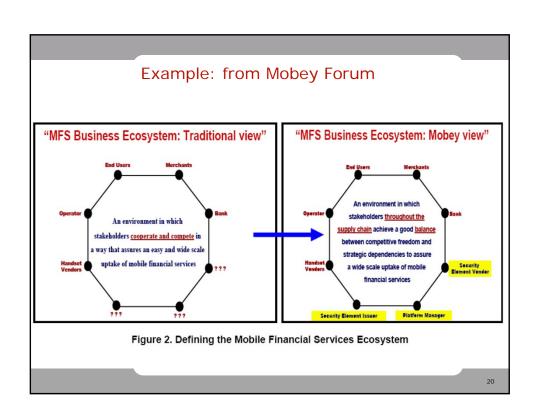
The member organisms also include suppliers, lead producers, competitors, and other stakeholders. Over time, they coevolve their capabilities and roles, and tend to align themselves with the directions set by one or more central companies.

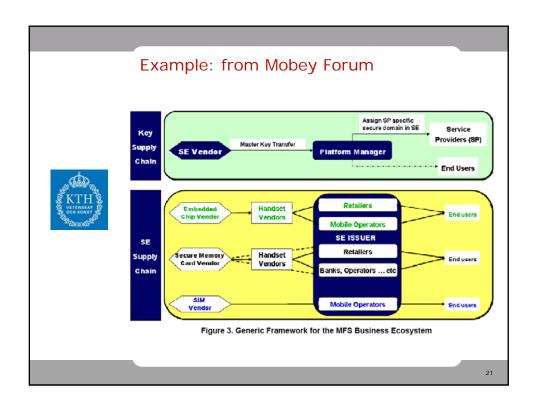
Those companies holding leadership roles may change over time, but the function of ecosystem leader is valued by the community because it enables members to move toward shared visions to align their investments, and to find mutually supportive roles".

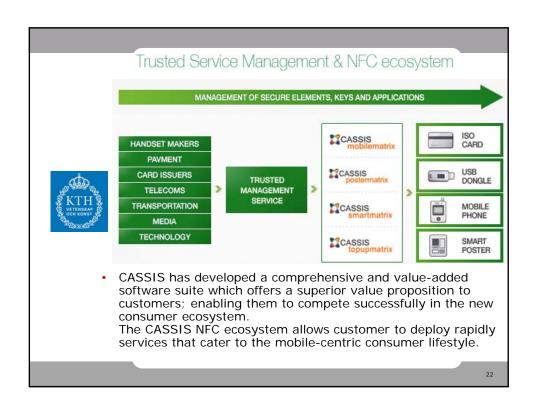
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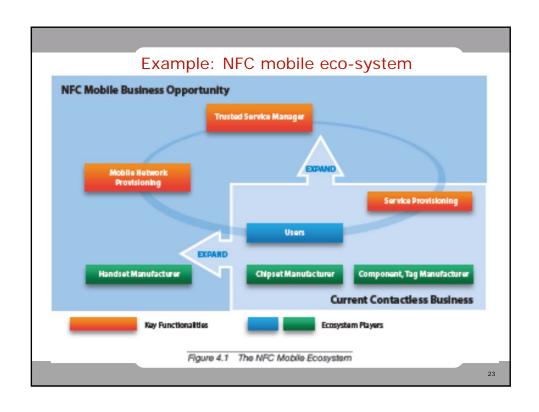
Example: NFC mobile eco-system Retailers Mass Transit & Trusted Service Managers Financial Institutions

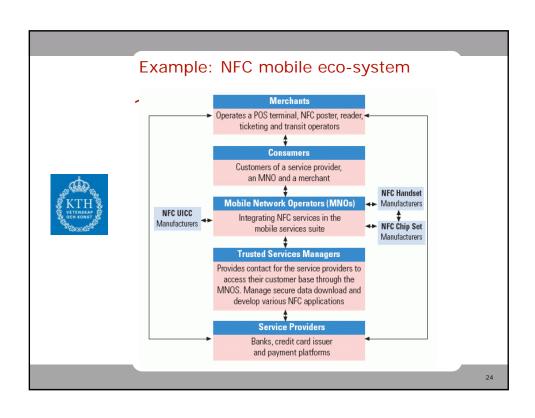


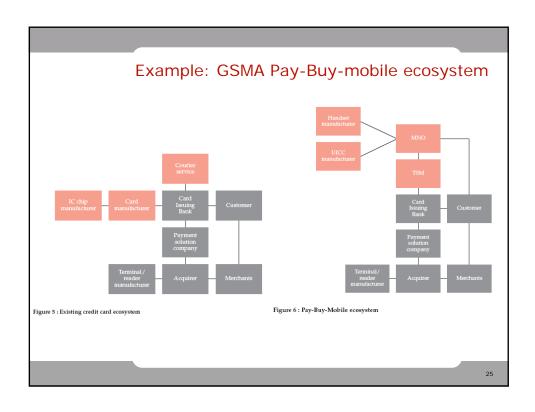


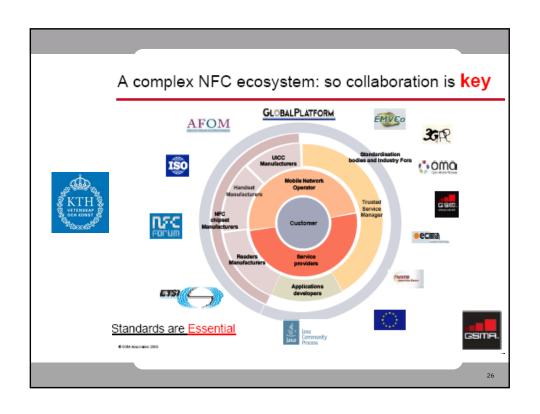














A small exercise

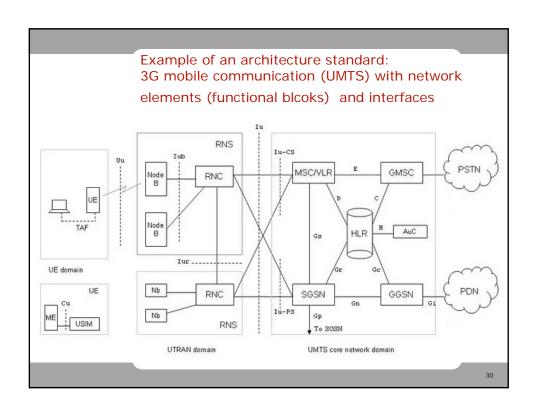


- What do these representations of "Eco-systems" say?
- Is there something missing?
- What do you think are "good things" with a specific representation?

Compare with other representations

- 3GPP
- · Credit card transactions



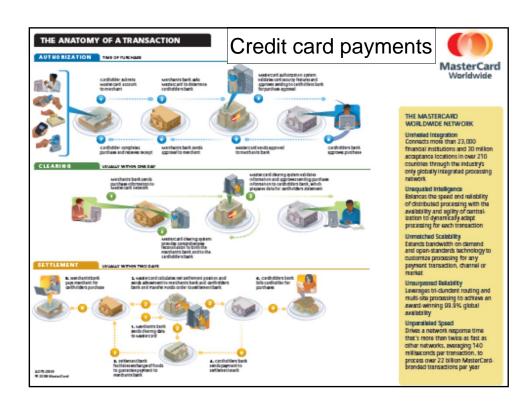


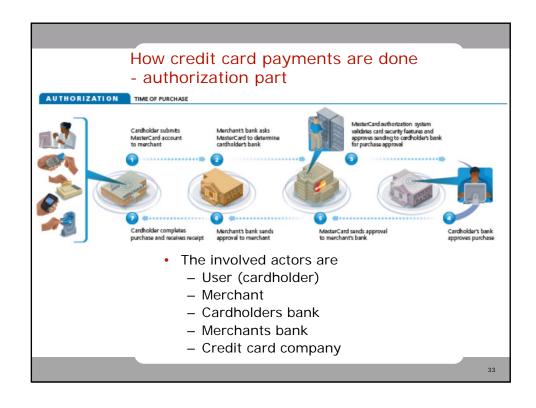
About 3GPP

- Technical standards for GSM, "3G", "4G"
- Descriptions of single operator networks
- · Also covers multi-operator aspects
 - Network selection

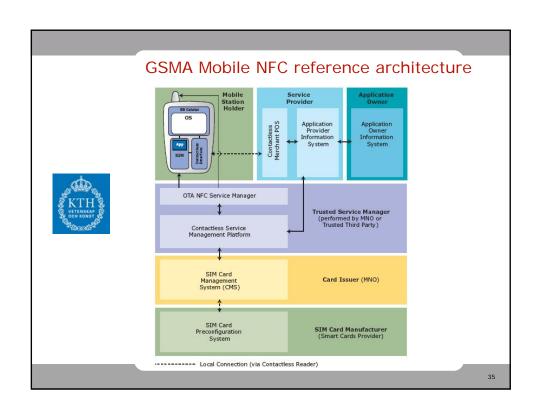


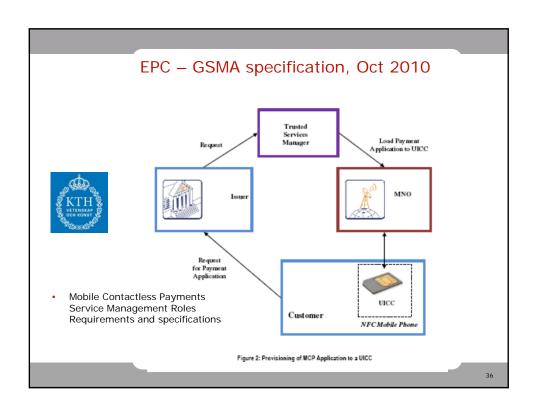
- Roaming
- Shared networks

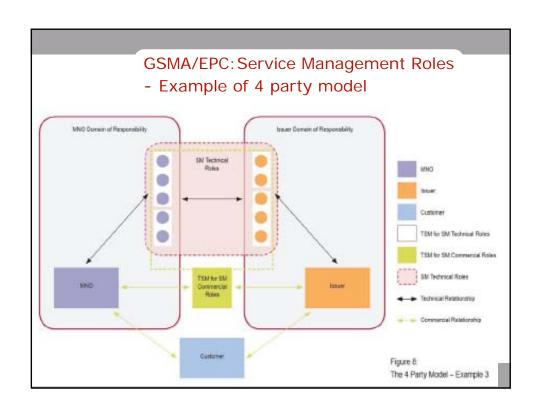


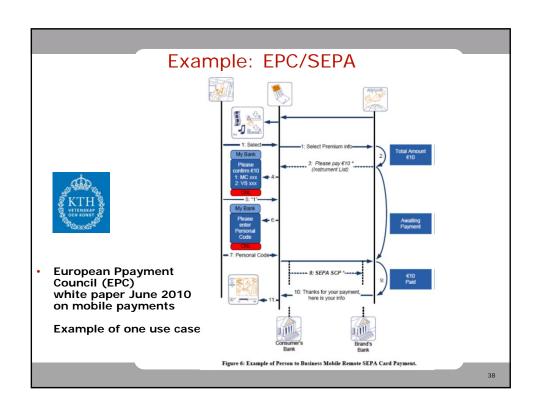


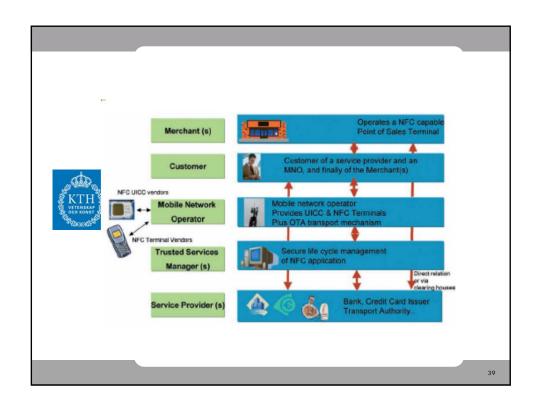


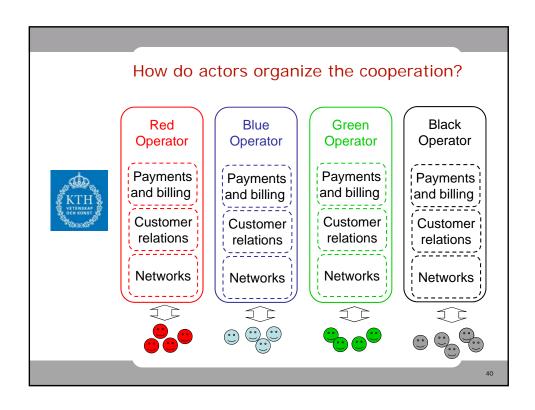


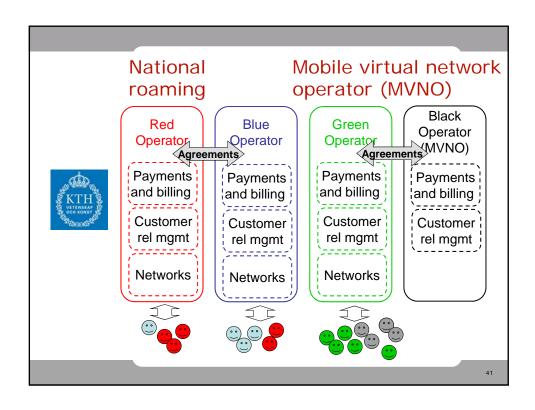


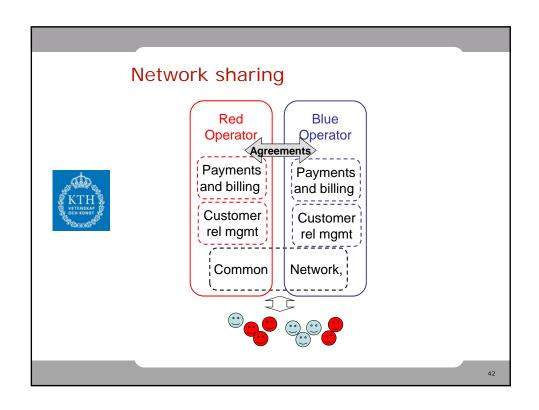


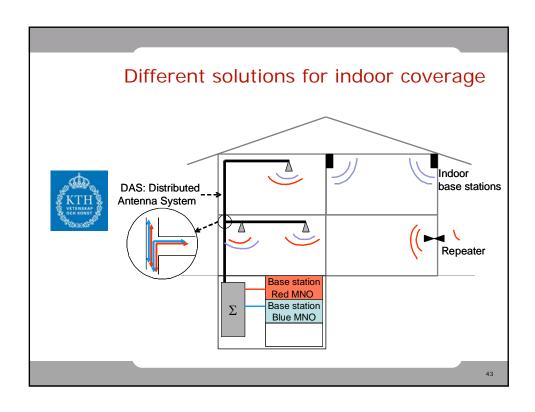


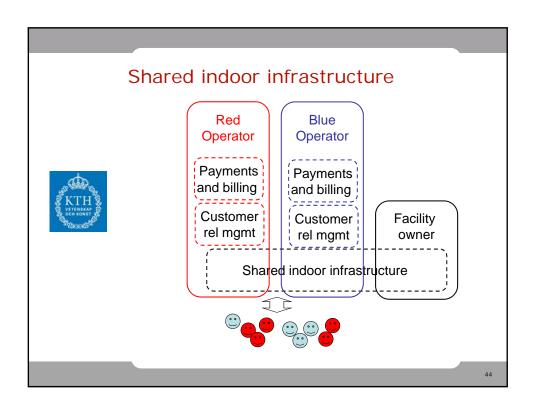


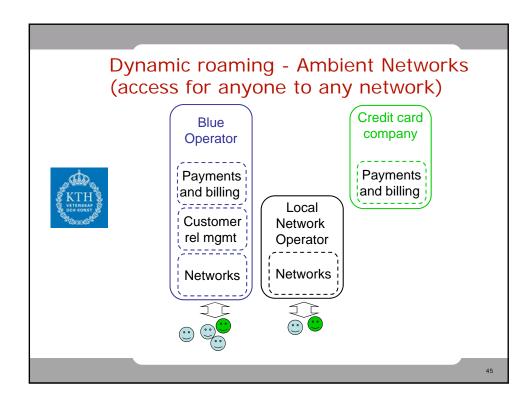












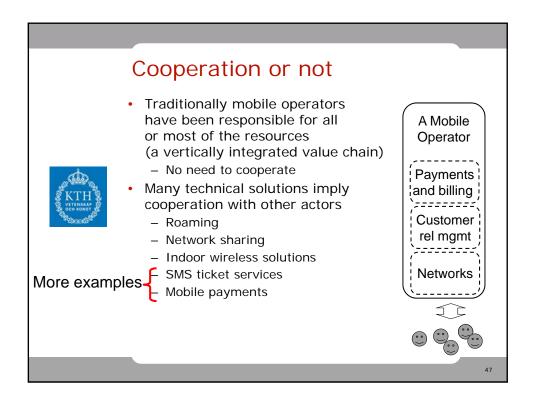
How do actors organize the cooperation?

 Operators share network resources but control own marketing, customers and billing



What can be said about dynamic roaming?

- DR means less control of users, usage and revenues
 - May lead to lower incentives for network investments
 - Will change the market landscape
- Dynamic roaming is beneficial for
 - Market entrants (access to networks)
 - Local operators (access to customers)

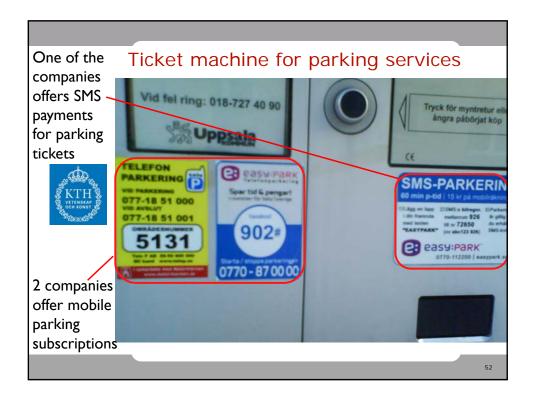


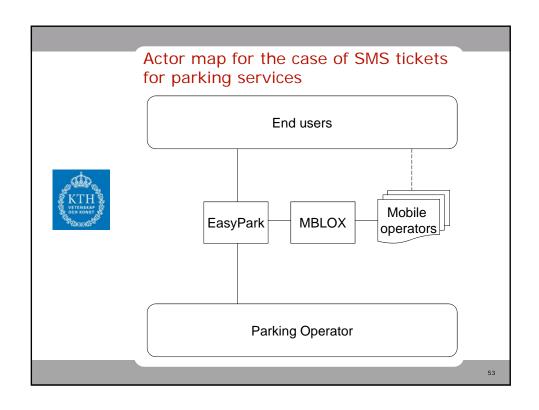


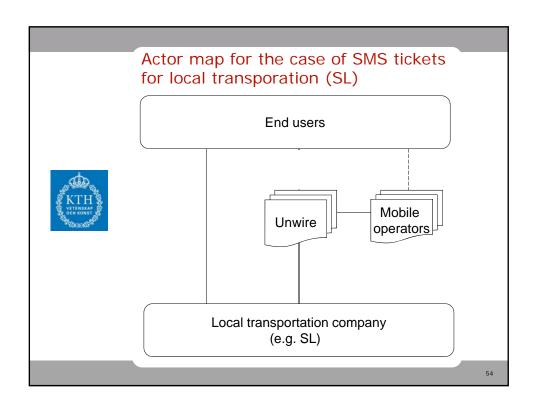


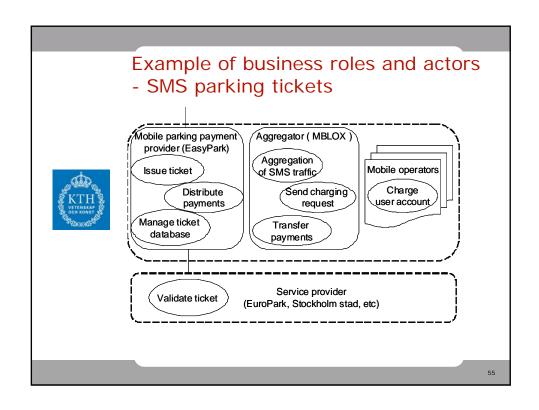


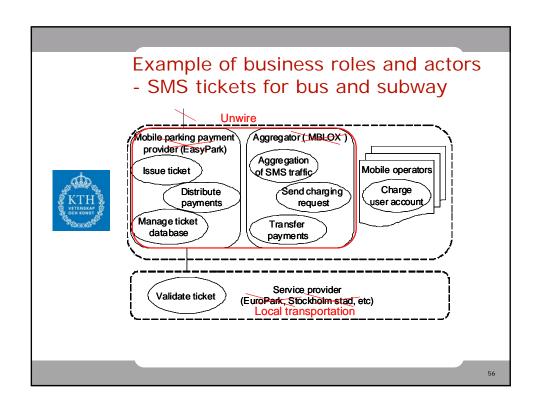


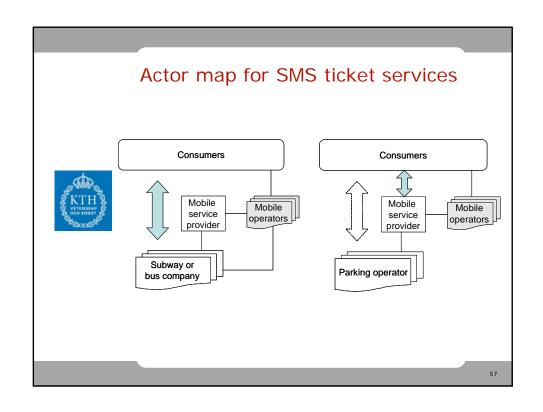


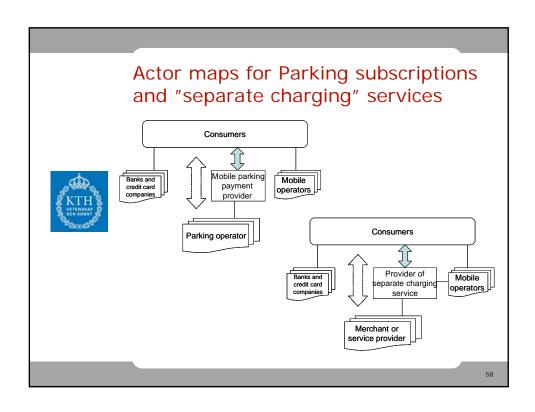


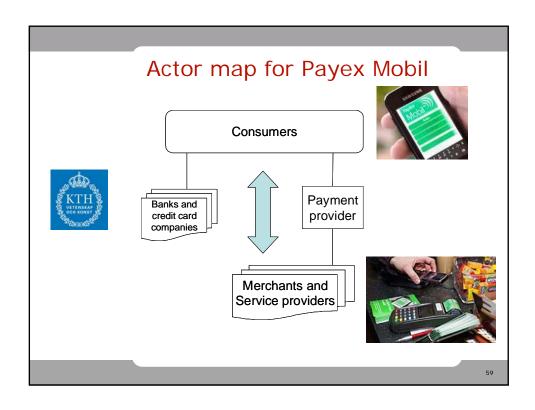












Some findings about mobile payment services and business models

- Intermediary actors in many cases do "a lot"
 - They establish and maintain business relations with merchants/ service providers
 - They provide the services to end-users
 - Thay develop services and maintain platforms



Some findings about mobile payment services and business models

- Financial institutions are involved "as usual"
 - People make use of credit card and bank accounts
- Mobile operators in many cases "do less"
 - Play a minor role in the service provisioning
 - May even not be aware of the mobile payment or ticketing service



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Compare the situation for mobile phone subscriptions

- Operators may share network resources BUT
- · Operators "own" customers and billing
- Operators invest in marketing and own brand

