Interaction of RFID Technology and Public Policy

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Privacy



Consumer's Perspective

Privacy can be defined as customer's ability to control the terms under which their personal information is acquired and used (Westin 1967)

Business perspective

Privacy is about making consumers comfortable disclosing the personal information needed for relationship marketing



Privacy in context of RFID

Some Concerns

- 1. RFID tags without notice
- 2. Unauthorized development of detailed profiles
- 3. Unauthorized third party access
- 4. Government's perfect hegemony
- 5. Redress-al mechanism

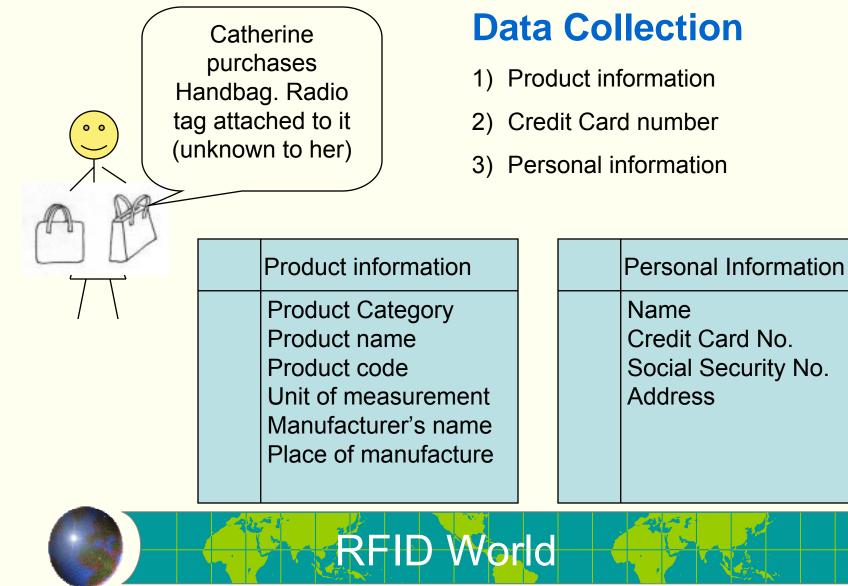
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Catherine and RFID

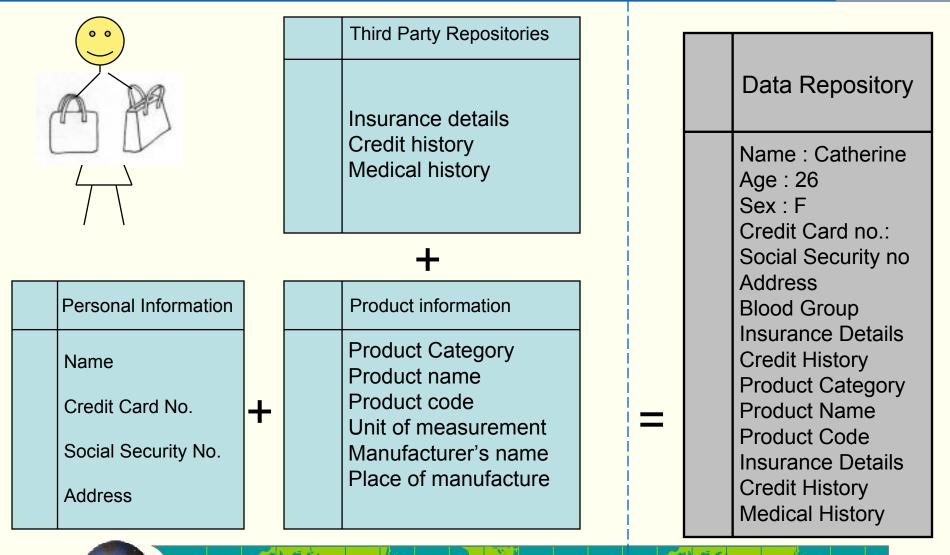




Credit Card No. Social Security No.

Amalgamation of Transactional and Personal Data

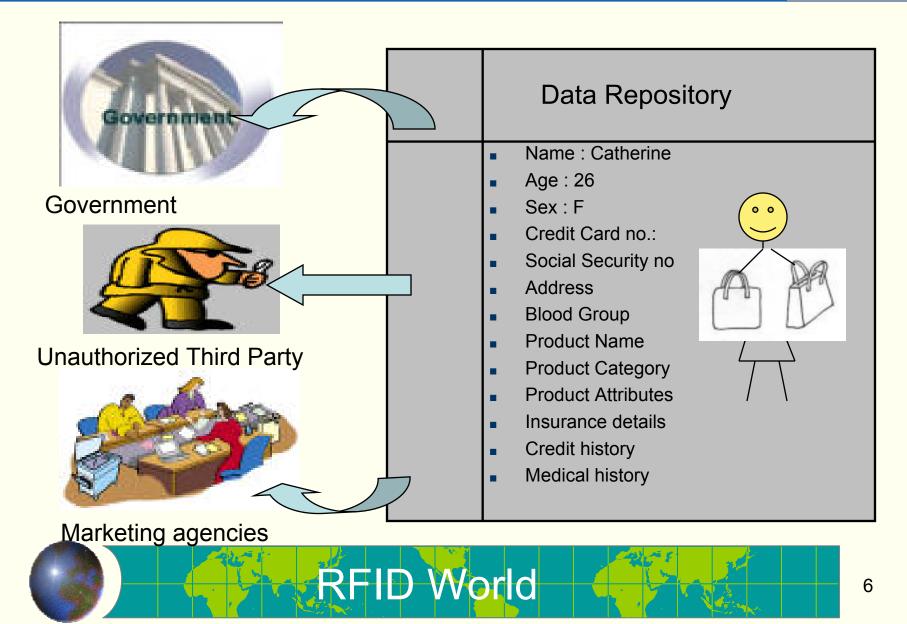




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Unauthorized Access and Usage





Paradox

- 1. To participate in today's marketplace
- 2. Catherine is willing to make trade-offs
 - 1. Reward Programmes
 - 2. Better Tracking
 - 3. Guarantees
 - 4. Financial Incentives

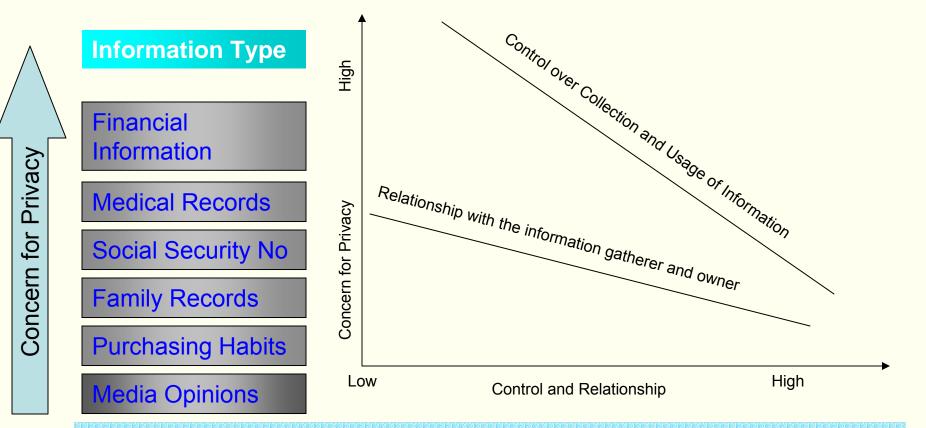






Information Type





Sensitivity is contextual; that is, what is considered sensitive differs by person and by situation

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8

Why Policy is important?



- 1. If RFID commerce has to realize its full potential!
- 2. Fundamental shift to a customer-centered world
- 3. Probability of reengaging customer reduced
- 4. Conducting business nationally and internationally
- 5. Infuse trust in public and private institutions



Basic Building Blocks

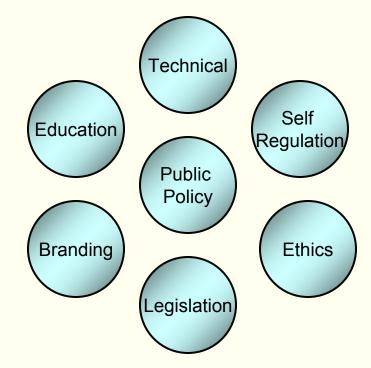


Integrated approach for framing RFID Public Policy :

- 1. Technical
- 2. Industry Self-Regulation (Mandatory vs. Voluntary)

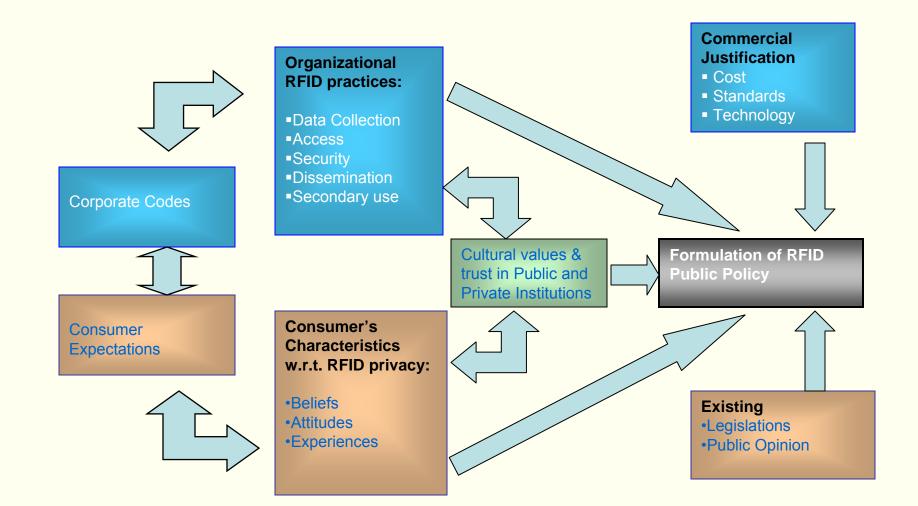
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- 3. Ethical approach
- 4. Legislation
- 5. Branding RFID and
- 6. Educating Consumers



Framework for formulating Public Policy





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11

Framing the RFID Public Policy



Policy Questions

1. Definition & role of stake holders/

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- 2. Operational features
- 3. Legal rights
- 4. Analogies
- 5. Criteria
- 6. Research methodology /

Major Expectations Data collection procedures 1. (informed vs. un-informed) 2. Authentication 3. Major expectations (both implicit and explicit) 4. Level of security **Major concerns** Collection 1. 2. Access 3. Use 4. Exchange 5. Control



Building Block - Technical

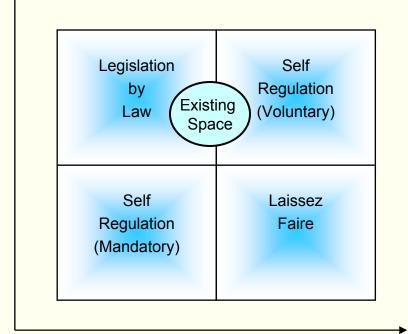
- 1. The "Kill Tag" approach
- 2. The Faraday Cage approach
- 3. The Active Jamming Approach
- 4. The Smart RFID Tag Approach
- 5. Selective disclosure of information





Building Block - The Regulation Approach

- Self Regulation
 - Industry Legislation
 - Enforcement and
 - Adjudication
- A pure market approach
- Legislation



Public Trust in Institutions



Public Concern about Privacy

Building Block - Bringing Ethics

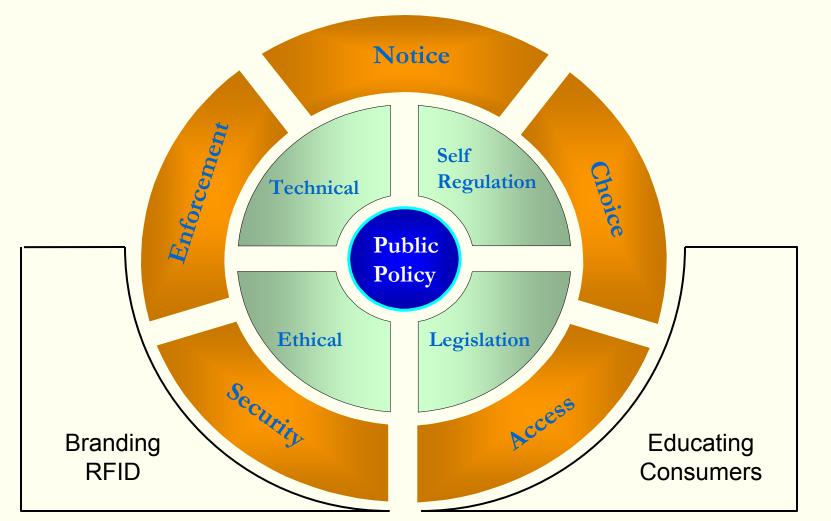
WIPRO Applying Thought

- 1. Respect confidentiality
- 2. Don't "flame"
- 3. Don't be anonymous
- 4. Don't allow third party to access other's data
- 5. Don't misrepresent or lie
- 6. Follow government's general guidelines
- 7. Consider presentation of message



Take Away









Thank You



17