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

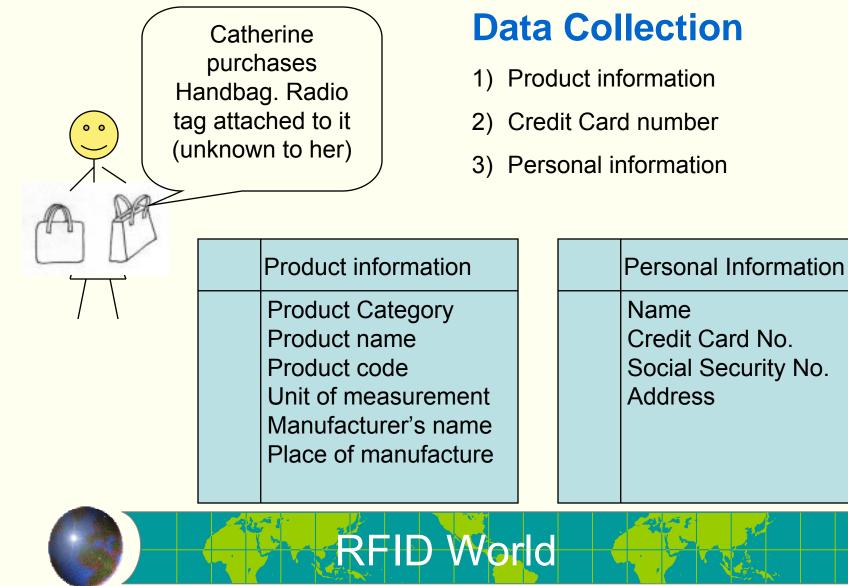
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#### Catherine and RFID

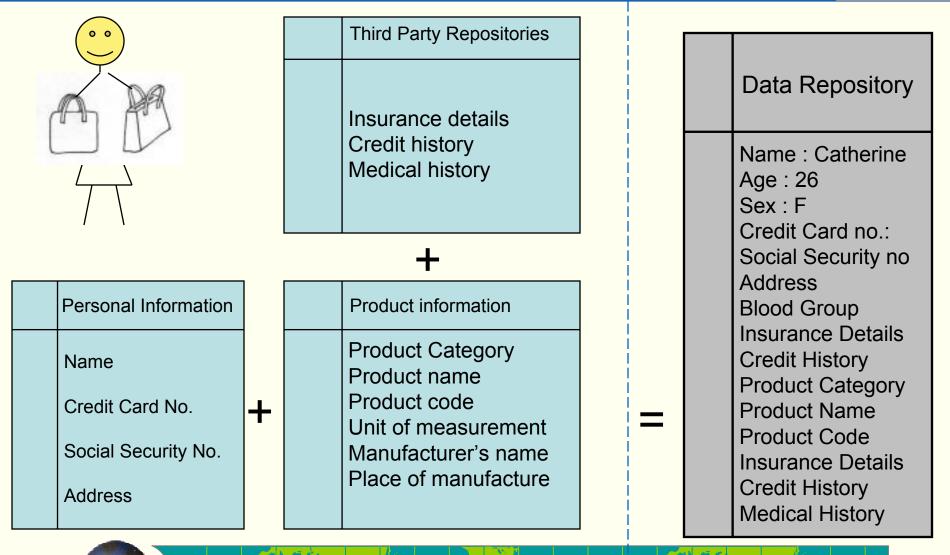




Credit Card No. Social Security No.

# Amalgamation of Transactional and Personal Data

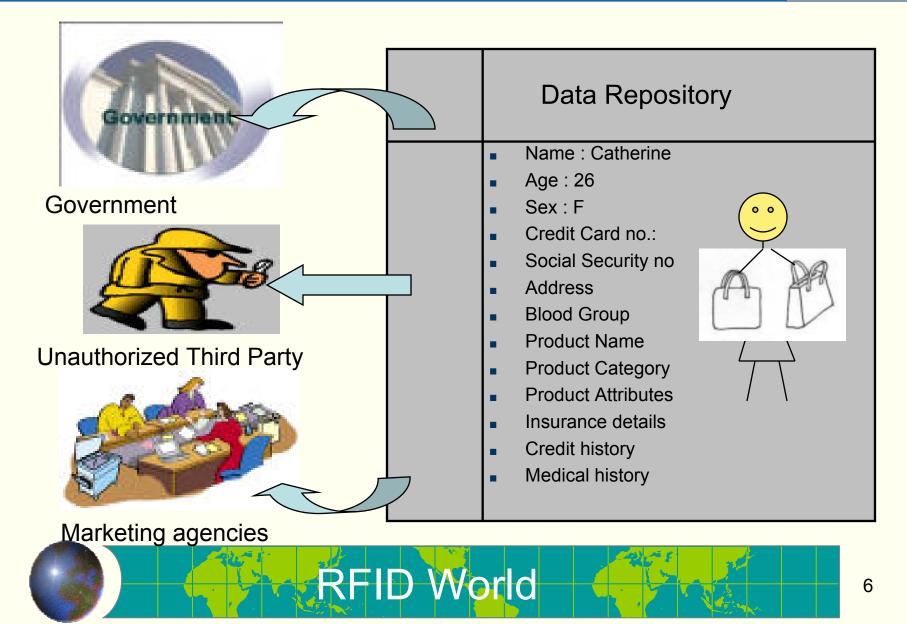




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#### **Unauthorized Access and Usage**





#### 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

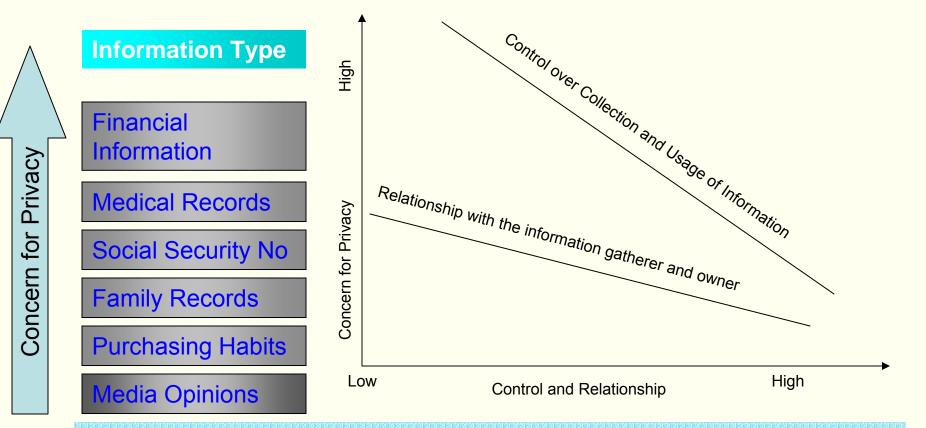






#### Information Type





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

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# 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**

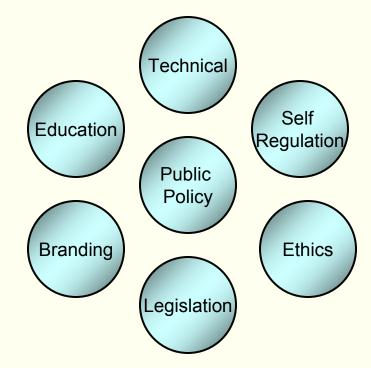


Integrated approach for framing RFID Public Policy :

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

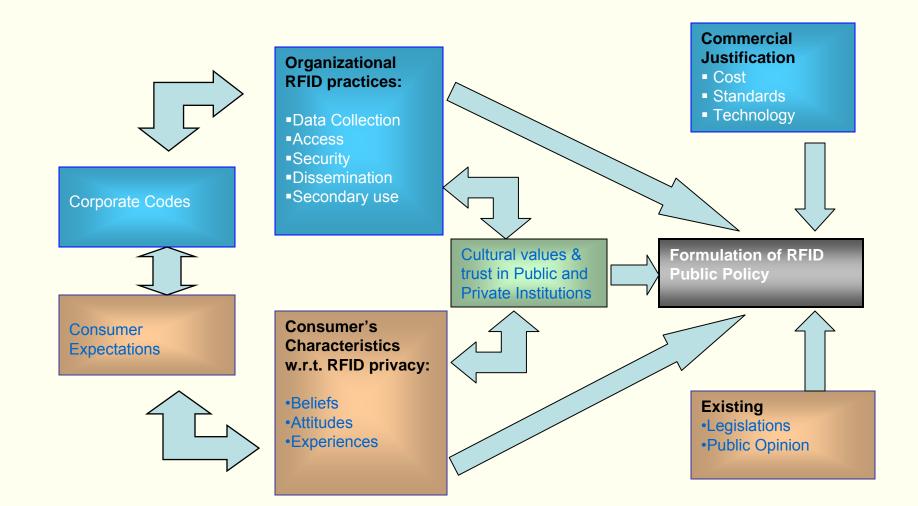
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- 3. Ethical approach
- 4. Legislation
- 5. Branding RFID and
- 6. Educating Consumers



### Framework for formulating Public Policy





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# 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**

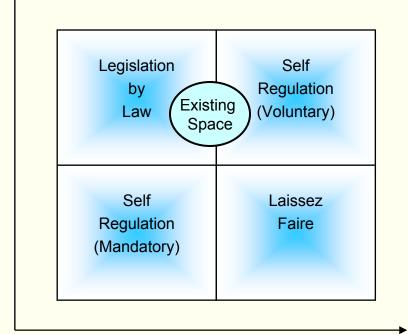
- 1. The "Kill Tag" approach
- 2. The Faraday Cage approach
- 3. The Active Jamming Approach
- 4. The Smart RFID Tag Approach
- 5. Selective disclosure of information





#### 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

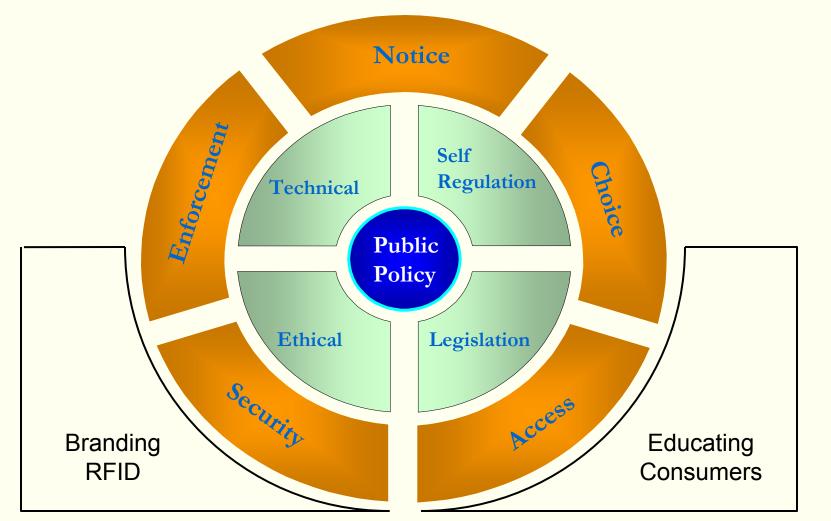
WIPRO Applying Thought

- 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



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