ITU-T

International Telecommunication Union

Summary & Conclusions of Session 2 and 3

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Speakers in Session 2
RFID Applications

- Peter Jones (Hitachi Europe)
  Networked RFID for Use in the Food Chain

  Edoardo Cottino (SIRTI SpA)
  RFID for telecommunication network maintenance

  Susan Evans (Savi Networks, USA)
  Transport : Container (ISO/TC104)

  Christian Mory (Michelin)
  Automotive industry and RFID

  Robert Gaisch (MBBS, Switzerland)
  RFID solutions for e-health

Summary of Session 2
RFID Applications

- There were excellent presentations on the practical RFID adaptation in Food Chain, Maintenance of Telecommunication Networks, Container Monitoring & Transport, Automotive Industry and Healthcare.

They have clearly found the benefits in Traceability, Safety, Supply Chain, Logistics & Anti-counterfeit and Medical healthcare.

Some papers review Security concern relating to access to the data and also global harmonization in Standards and Regulations.

Speakers in Session 3
RFID and New Business Models

- Hyoung Jun Kim (ETRI Korea)
  Mobile RFID services and its business impacts

  Bjorn Thorstensen (Telenor R&D)
  RFID, applications and business models –
  the Telco perspective

  Alain Pfeffer (France Telecom)
  RFID, gateway to M2M (machine to Machine)

  Ichiro Kase (NTT Comware Co.)
  RFID's three application models : Location Identification,
  Product Traceability & Personnel Tracking

Summary of Session 3
RFID and new Business Models

- It has strong impact on new business opportunity in Mobile RFID Services, Machine to Machine application and Location Identification.

They show the expectation of the Values and Benefits of the new business models according to the NRFID technology being used in the industry, leisure and culture.

NRFID is a possible extension of the existing network services. These new services must pay clear attention to Security and Privacy issues.

Conclusions in Session 2 and 3
RFID Applications and New Business Models

- RFID Applications :

In the case of specific business industry, we have seen that one RFID solution cannot satisfy the needs of all applications across a number of different industry sectors.

For example, we heard that ePC standard is not sufficient for the automotive industry needs. However, industry users do expect the global harmonization in standards. Therefore we should closely understand the needs and develop a set of relevant standards.

We have seen that the base building block for NRFID is the common platform potentially managed by service providers with appropriate levels of access/security for industry users.

Conclusions in Session 2 and 3
RFID Applications and New Business Models

- RFID Applications :

In case the several NRFID applications it is clear that there is a strong need for unique ID numbers for addressing many billions of items without compromising privacy issues.

Having so many tagged items presents a potential security and privacy risk. IT security and privacy are fundamental societal issues and we should ensure that NRFID does not propagate further problems.

Conclusions in Session 2 and 3
RFID Applications and New Business Models

- New Business Models :

In case of the new global business models with NRFID it is not clear what the major subjects are that need to be covered.

Different business approaches may be necessary according to local market situation.

We heard that for NRFID to succeed, the key industries must work together, such as Manufacturing, IT industry and Telecoms to achieve the new business models.

Recommendations (Future study issues)

- Through the presentations in session 2 & 3 there are several suggestions for ITU-T standardization activities on NRFID.

In case the common universal application of NRFID such as Ubiquitous information network service (secure and easy access from anyone, anytime, anywhere and anything), the standardization areas are related to various elements, such as Information service, Identification coding, Protocols, Data format and Security etc.

Recommendations (Future study issues)

So at the beginning of NRFID standardization, the issues described above should be discussed in more detail.

More specifically, these topics should be listed as the candidates for inclusion as a series of ITU-T Study Groups.

Also it is very important that we should hear and understand the feed back from the users in the various market sectors and applications.