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# ***ISO/IEC JTC 1/SC 31***

## ***Automatic Identification and Data Capture Techniques***

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Ray Delnicki - Secretariat

22<sup>nd</sup> JTC 1 Plenary – Japan – November 2008

# SC Purpose

Standardization of data formats, data syntax, data structures, data encoding, and technologies for the process of automatic



Healthcare

Automotive Identification



Field Service

# SC Purpose

Pharmaceutical



Security



Retail



identification and data capture and of associated devices utilized in inter-industry applications and international business interchanges.

# Working Groups

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- ❑ **WG 1 Data Carriers**
  - 1D and 2D Bar Code Symbolologies & Optical Character Recognition
- ❑ **WG 2 Data Structure**
  - Data Syntax, Functional Commands
- ❑ **WG 3 Conformance**
  - Performance, Conformance
- ❑ **WG 4 RFID Item Level Management**
  - Synonymous with the Bar Code work in WG1 and WG2
- ❑ **WG 5 Real Time Locating Systems**
  - Standardization in Location and Position thru RFID
- ❑ **WG 6 Mobile Item Identification and Management**
  - Standardization in Mobile Item Management using AIDC technologies



# Projects

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- 7 New projects
- 5 Published standards
- 1 Deleted

# Practical Std Application – bar code

- Russian Federation payment document data is encoded with bar codes for automatic data entry in “hundreds of thousands” of government, financial institution & enterprise applications, based on:
  - ISO/IEC 24778 – Bar code symbology Aztec Code
- ...users experienced 400 to 500% in input efficiency increases and 90% process time reductions. Now being adopted for tax, real estate and industrial documentation.





# Practical Std Application – RFID

- ❑ Orthopedic implant (hips, knees, etc) “kit” tracking, many sizes sent for surgery, surgeon chooses appropriate, unused returned, all kits must be tracked.
- ❑ Use of RFID realized a 75% reduction in turnaround time, 5% inventory reduction and 7-8% labor reduction
- ❑ Standard needed...
  - ISO/IEC 18000-3 – Air interface Parameters 13.56 MHz / Mode 2





# Moving forward

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- ❑ Continued re-evaluation / expansion of liaisons
- ❑ Intellectual Property
- ❑ Market and priorities
- ❑ Meeting efficiency (use of “virtual” meetings)
- ❑ Market and priorities



# Questions? ...

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*Thank you*

*Danke Schön*

*Gracias*

*Grazie*

*Merci*

*Dank u*

감사합니다

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謝謝

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