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ISO/IEC JTC 1/SC 31 Automatic Identification and Data Capture Techniques

Charles E. "Chuck" Biss – Chairman Ray Delnicki - Secretariat 22nd 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



SC Purpose



identification and data capture and of associated devices utilized in interindustry applications and international business interchanges.

Working Groups

- WG 1 Data Carriers
 - 1D and 2D Bar Code Symbologies & 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

- □ 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:

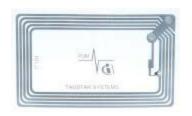
 ISO/IEC 24778 – Bar code symbology Aztec Code

...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

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



Questions? ...

Thank you Danke Schön Gracias Grazie Merci Dank u

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