

Program of Work

Working Group on Data Carriers (SC 31/WG 1)

Convener: Sprague Ackley (United States), E-Mail: sackley@compuserve.com

Secretariat: Chris Swindin (United Kingdom), E-Mail: chris@swindin.karoo.co.uk

Detailed Work Projects: <http://isotc.iso.org/livelink/workprg/workprg?objId=3367879>

1. ISO/IEC 15420: Information technology, automatic identification and data capture techniques - Bar code symbology specification - EAN/UPC

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard	Jan 97	Aug 98	Aug 99	Nov 00	Dec 00
PE: Sprague Ackley	N/A	N0359	N0572	N/A	N/A
	20.99	30.99	40.99	50.99	90.92
First Revision		Jun 06	Mar 07		
PE: Sprague Ackley	N/A	N2110	N/A		
		30.99	40.20		

2. ISO/IEC 15417: Information technology, automatic identification and data capture techniques - Bar code symbology specification - Code 128

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard	Dec 97	Jun 98	Mar 99	Apr 00	Jun 00
PE: Chris Swindin	N/A	N0344	N0479	N/A	N/A
	20.99	30.99	40.99	50.99	90.92
First Revision			Apr 06		
PE: Chris Swindin	N/A	N/A	N2042		
			40.99		

3. ISO/IEC 15438: Information technology, automatic identification and data capture techniques - Bar code symbology specification - PDF417

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard	Jan 97	Sept 98	Aug 00	Dec 00	Sept 01
PE: Harry Clark	N/A	N0374	N0574	N/A	N/A
	20.99	30.99	40.99	50.99	90.92
First Revision		Nov 04	Aug 05	Apr 06	May 06
PE: Harry Clark	N/A	N1730	N1924	N/A	N/A
		30.99	40.99	50.99	60.60

4. ISO/IEC 15424: Information technology, automatic identification and data capture techniques - Data carrier identifiers (Including symbology identifiers)

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard	Jan 97	Sept 98	Aug 99	Apr 00	Jun 00
PE: Chris Swindin	N/A	N0376	N0573	N/A	N/A
	20.99	30.99	40.99	50.99	60.60

Program of Work

5. *ISO/IEC 16023: Information technology, automatic identification and data capture techniques - International symbology specification - Maxicode*

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: Sprague Ackley	N/A	N/A	N/A	Oct 98 N/A 50.99	May 00 N/A 90.93

6. *ISO/IEC 16022: Information technology, automatic identification and data capture techniques - International symbology specification - Data Matrix*

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: Sprague Ackley	N/A	N/A	N/A	Oct 98 N/A 50.99	May 00 N/A 90.92
First Revision PE: Sprague Ackley	N/A	Sept 04 N1711 30.99	Oct 05 N1947 40.99	Jul 06 N/A 50.99	Sept 06 N/A 60.60

7. *ISO/IEC 16388: Information technology, automatic identification and data capture techniques - Bar code symbology specification - Code 39*

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: Sprague Ackley	N/A	N/A	N/A	Aug 98 N/A 50.99	Oct 99 N/A 90.92
First Revision PE: Sprague Ackley	N/A	N/A	Apr 06 N2043 40.99		

8. *ISO/IEC 16390: Information technology, automatic identification and data capture techniques - Bar code symbology specification - Interleaved 2-of-5*

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: Sprague Ackley	N/A	N/A	N/A	Aug 98 N/A 50.99	Oct 99 N/A 90.92
First Revision PE: Sprague Ackley	N/A	N/A	Apr 06 N2044 40.99		

Program of Work

9. ISO/IEC 18004: Information technology, automatic identification and data capture techniques - Bar code symbology specification - QR Code

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: Chris Swindin	N/A	Sept 98 N0375 30.99	Aug 99 N0578 40.99	May 00 N/A 50.99	Jun 00 N/A 90.92
First Revision PE: Chris Swindin	Mar 05 N1802 20.99	Mar 05 N1803 30.99	Dec 05 N1974 40.99	Jul 06 N/A 50.99	Aug 06 N/A 60.60

10. ISO/IEC 24723: Information technology, automatic identification and data capture techniques - Bar code symbology specification - EAN.UCC Composite

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: Glenn Spitz	Nov 03 N1530 20.99	Dec 04 N1740 30.99	Aug 05 N1922 40.99	Mar 06 N/A 50.99	Apr 06 N/A 60.60

11. ISO/IEC 24724: Information technology, automatic identification and data capture techniques - International symbology specification - Reduced Space Symbology (RSS)

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: Glenn Spitz	Nov 03 N1518 20.99	Dec 04 N1741 30.99	Aug 05 N1921 40.99	Mar 06 N/A 50.99	Sept 06 N/A 60.00

12. ISO/IEC 24728: Information technology, automatic identification and data capture techniques - Bar code symbology specification - MicroPDF417

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: Chris Swindin	Jun 03 N1469 20.99	Nov 04 N1731 30.99	Aug 05 N1923 40.99	Apr 06 N/A 50.99	May 06 N/A 60.60

13. ISO/IEC 24778: Information technology, automatic identification and data capture techniques - Bar code symbology specification - Aztec Code

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: TBD	Feb 06 N2008 20.99	Dec 06 N2168 30.60			

Working Group on Data Structure (SC 31/WG 2)

Convener: Toshihiro Yoshioka (Japan), E-Mail: toshihiro.yoshioka@ai--soken.com

Secretariat: David Buckley (GS1), E-Mail: david.buckley@gs1.org

Detailed Work Projects: <http://isotc.iso.org/livelink/workprg/workprg?objId=3367879>

1. ISO/IEC 15418: Information technology, automatic identification and data capture techniques – EAN/UCC Application Identifiers and ASC MH 10 data identifiers and maintenance

	Stage 1 NWIP	Stage 2 CD/PDTR/PDAM	Stage 3 FCD/FPDAM	Stage 4 FDIS/DTR/FDAM	Stage 5 IS/TR/AMD
International Standard PE: David Buckley	Dec 97 N/A 20.99	Jun 98 N0347 30.99	Mar 99 N0478 40.99	Oct 99 N/A 50.99	Dec 99 N/A 90.93
First Reaffirmation PE: David Buckley	N/A	N/A	N/A	N/A	May 04 N/A 60.60

2. ISO/IEC 15434: Information technology, automatic identification and data capture techniques – Syntax for high capacity ADC media

	Stage 1 NWIP	Stage 2 CD/PDTR/PDAM	Stage 3 FCD/FPDAM	Stage 4 FDIS/DTR/FDAM	Stage 5 IS/TR/AMD
International Standard PE: Craig Harmon	Jan 97 N/A 20.99	Sept 97 N0228 30.99	Aug 98 N0365 40.99	Aug 99 N/A 50.99	Oct 99 N/A 90.92
First Revision PE: Craig Harmon	N/A	May 04 N1640 30.99	Dec 04 N1742 40.99	Aug 05 N/A 50.99	Nov 05 N/A 60.60
Second Revision PE: Craig Harmon	Dec 04 N1736 20.99	Jul 05 N1908 30.99	Mar 06 N2025 40.99	Aug 06 N/A 50.99	Sept 06 N/A 60.00

3. ISO/IEC 15459-1: Information technology, automatic identification and data capture techniques - Unique identification - Part 1: Unique identification of transport units

	Stage 1 NWIP	Stage 2 CD/PDTR/PDAM	Stage 3 FCD/FPDAM	Stage 4 FDIS/DTR/FDAM	Stage 5 IS/TR/AMD
International Standard PE: David Buckley	Dec 97 N/A 20.99	Jun 98 N0345 30.99	Mar 99 N0476 40.99	Oct 99 N/A 50.99	Dec 99 N/A 90.92
First Revision PE: Craig Harmon	Oct 03 N1516 20.99	Oct 03 N1517 30.99	May 05 N1855 40.99	Feb 06 N/A 50.99	Mar 06 N/A 60.60

Program of Work

4. *ISO/IEC 15459-2: Information technology, automatic identification and data capture techniques - Unique identification - Part 2: Registration procedures*

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: David Buckley	Dec 97 N/A 20.99	Jun 98 N0346 30.99	Mar 99 N0477 40.99	Oct 99 N/A 50.99	Dec 99 N/A 90.92
First Revision PE: Craig Harmon	Oct 03 N1516 20.99	Oct 03 N1517 30.99	May 05 N1856 40.99	Feb 06 N/A 50.99	Mar 06 N/A 60.60

5. *ISO/IEC 15459-3: Information technology, automatic identification and data capture techniques - Unique identification - Part 3: Common rules for unique identification*

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: Craig Harmon	Oct 03 N1516 20.99	Oct 03 N1517 30.99	May 05 N1857 40.99	Feb 06 N/A 50.99	Mar 06 N/A 60.60

6. *ISO/IEC 15459-4: Information technology, automatic identification and data capture techniques - Unique identification - Part 4: Unique item identification for supply chain management*

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: Craig Harmon	Oct 03 N1516 20.99	Oct 03 N1517 30.99	May 05 N1858 40.99	Feb 06 N/A 50.99	Mar 06 N/A 60.60

7. *ISO/IEC 15459-5: Information technology, automatic identification and data capture techniques - Unique identification - Part 5: Unique identification of returnable transport items (RTIs)*

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: Craig Harmon	Aug 05 N1925 20.99	Aug 05 N1926 30.99	Apr 06 N2049 40.99		

Program of Work

8. ISO/IEC 15459-6: Information technology, automatic identification and data capture techniques - Unique identification - Part 6: Unique identification for product groupings in material lifecycle management

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: Wakaizumi Kazuhiko	Feb 06 N2017 20.99	Feb 06 N2018 30.99	Oct 06 N2134 40.99		

Working Group on Conformance (SC 31/WG 3)

Convener: Tina Barkan (United States), E-Mail: tina@webscaninc.com

Secretariat: Vacant

Detailed Work Projects: <http://isotc.iso.org/livelink/workprg/workprg?objId=3367879>

1. ISO/IEC 15415: Information technology, automatic identification and data capture techniques - Bar code print quality test specification - Two-dimensional symbols

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: Glenn Spitz	Apr 00 N/A 20.99	Jan 03 N1350 30.99	Jul 03 N1471 40.99	Apr 04 N1603 50.99	Jun 04 N/A 60.60

2. ISO/IEC 15416: Information technology, automatic identification and data capture techniques - Bar code print quality test specification - Linear symbols

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: Chuck Biss	Dec 97 N/A 20.99	Jun 98 N0348 30.99	Oct 99 N0586 40.99	Jun 00 N/A 50.99	Aug 00 N/A 60.60

3. ISO/IEC 15419: Information technology, automatic identification and data capture techniques - Bar code digital imaging and printing performance testing

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: Scott Gray	May 99 N/A 20.99	Oct 99 N0591 30.99	Aug 00 N0760 40.99	Feb 01 N/A 50.99	Mar 01 N/A 60.60

Program of Work

4. *ISO/IEC 15421: Information technology, automatic identification and data capture techniques - Bar code master test specifications*

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: George Wright, III & Peter Hicks	Jan 98 N/A 20.99	Dec 98 N0444 30.99	Oct 99 N0585 40.99	Jun 00 N/A 50.99	Sept 00 N/A 60.60

5. *ISO/IEC 15423: Information technology, automatic identification and data capture techniques - Bar code scanner and decoder performance testing*

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: TBD	Dec 00 N/A 20.99	Jan 03 N1351 30.99	Jul 03 N1472 40.99	Mar 04 N1604 50.99	Jun 04 N/A 60.60

6. *ISO/IEC 15426-1: Information technology, automatic identification and data capture techniques - Bar code verifier conformance specification - Part 1: Linear*

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: Chuck Biss	Dec 97 N/A 20.99	Jun 98 N0349 30.99	Oct 99 N0587 40.99	Mar 00 N/A 50.99	Jul 00 N/A 90.92
First Revision PE: Chuck Biss	N/A	N/A	Dec 04 N1749 40.99	May 06 N/A 50.99	Jun 06 N/A 60.06

7. *ISO/IEC 15426-2: Information technology, automatic identification and data capture techniques - Bar code verifier conformance specification - Part 2: Two-dimensional symbols*

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: Glenn Spitz	Jun 99 N/A 20.99	Jan 03 N1352 30.99	Mar 04 N1577 40.99	Jan 05 N1766 50.99	May 05 N/A 60.60

8. *ISO/IEC 19782: Information technology, automatic identification and data capture techniques - Effects of low substrate opacity and substrate (or ink) gloss on reading and verification of bar code symbols*

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
Technical Report PE: John Kessler	Aug 02 N1215 20.99	May 05 N1884 30.99	N/A	Jan 06 N/A 50.99	Jun 06 N/A 60.60

Program of Work

9. ISO/IEC 24720: Information technology, automatic identification and data capture techniques - Guidelines for direct part marking (DPM)

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
Technical Report PE: Marsha Harmon & Hiromitsu Takai	Dec 03 N1537 20.99	Dec 05 N1978 30.99	N/A	May 06 N8141* 50.99	

10. ISO/IEC 24769: Information technology, automatic identification and data capture techniques - Real time locating systems (RTLS) - RTLS device conformance test methods

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: TBD	Sept 05 N1946 20.60				

11. ISO/IEC 24770: Information technology, automatic identification and data capture techniques - Real time locating systems (RTLS) - RTLS device performance test methods

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: TBD	Sept 05 N1945 20.60				

Working Group on Conformance, Sub Group 1 (SC 31/WG 3/SG 1)

Convener: Josef Preishuber-Pflügl (Austria), E-Mail: josef.preishuber--pfluegl@CISG.at

Secretariat: Julia Zhu (United States), E-Mail: jzhu@savi.com

Detailed Work Projects: <http://isotc.iso.org/livelink/workprg/workprg?objId=3367879>

1. ISO/IEC 18046: Information technology, automatic identification and data capture techniques - RFID device performance test methods

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
Technical Report PE: Michael Guillory	Jul 00 N0734 20.99	Mar 04 N1573 30.99	N/A	Aug 04 N1682 50.99	Jul 05 N/A 60.60

* -- Indicates JTC 1 Document Posting

Program of Work

2. *ISO/IEC 18046-1: Information technology, automatic identification and data capture techniques - RFID device performance test methods - Part 1: Test methods for system performance*

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: Michael Guillory	Jun 06 N/A 20.60				

3. *ISO/IEC 18046-2: Information technology, automatic identification and data capture techniques - RFID device performance test methods - Part 2: Test methods for interrogator performance*

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: Julia Zhu	Jun 06 N/A 20.60				

4. *ISO/IEC 18046-3: Information Technology, automatic identification and data capture techniques - RFID Device Performance Test Methods - Part 3: Test methods for tag performance*

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: Gérard Dessenne	Jun 06 N/A 20.99	Jul 06 N2118 30.99	Jan 07 N/A 40.20		

5. *ISO/IEC 18047-2: Information technology, automatic identification and data capture techniques - Radio frequency identification (RFID) for conformance test methods - Part 2: Test methods for air interface communications below 135 KHz*

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
Technical Report PE: Josef Preishuber-Pflügl	May 03 N/A 20.99	Sept 05 N1932 30.99	N/A	Dec 05 N/A 50.99	Jun 06 N/A 60.60

6. *ISO/IEC 18047-3: Information Technology, automatic identification and data capture techniques - Radio Frequency Identification (RFID) for conformance test methods - Part 3: Parameters for air interface communications at 13.56 MHz*

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
Technical Report PE: Josef Preishuber-Pflügl	May 03 N/A 20.99	Oct 03 N1502 30.99	N/A	Mar 04 N1591 50.99	Sept 04 N/A 60.60

Program of Work

7. ISO/IEC 18047-4: Information technology, Automatic identification and data capture techniques - Radio frequency identification (RFID) for conformance test methods - Part 4: Parameters for air interface communications at 2.45 GHz

	Stage 1 NWIP	Stage 2 CD/PDTR/PDAM	Stage 3 FCD/FPDAM	Stage 4 FDIS/DTR/FDAM	Stage 5 IS/TR/AMD
Technical Report PE: Josef Preishuber-Pflügl	May 03 N/A 20.99	Mar 04 N1570 30.99	N/A	Jun 04 N1661 50.99	Nov 04 N/A 60.60

8. ISO/IEC 18047-6: Information technology, Automatic identification and data capture techniques - Radio frequency identification (RFID) for conformance test methods - Part 6: Test methods for air interface communications at 860 to 960MHz

	Stage 1 NWIP	Stage 2 CD/PDTR/PDAM	Stage 3 FCD/FPDAM	Stage 4 FDIS/DTR/FDAM	Stage 5 IS/TR/AMD
Technical Report PE: Gérard Dessenne	May 03 N/A 20.99	Sept 05 N1933 30.99	N/A	Dec 05 N/A 50.99	Jun 06 N/A 60.60
First Revision PE: Gérard Dessenne					

9. ISO/IEC 18047-7: Information technology, Automatic identification and data capture techniques - Radio frequency identification (RFID) for conformance test methods - Part 7: Parameters for air interface communications at 433 MHz

	Stage 1 NWIP	Stage 2 CD/PDTR/PDAM	Stage 3 FCD/FPDAM	Stage 4 FDIS/DTR/FDAM	Stage 5 IS/TR/AMD
Technical Report PE: Josef Preishuber-Pflügl	May 03 N/A 20.99	Oct 04 N1722 30.99	N/A	May 05 N1849 50.99	Oct 05 N/A 60.60
First Revision PE: Josef Preishuber-Pflügl					

Working Group on RFID for Item Management (SC 31/WG 4)

Convener: Henri Barthel (Belgium), E-Mail: henri.barthel@gs1.org

Secretariat: Gertjan van den Akker (Netherlands), E-Mail: gertjan.vandenakker@nen.nl

Detailed Work Projects: <http://isotc.iso.org/livelink/workprg/workprg?objId=3367879>

No Projects Assigned

Working Group on RFID for Item Management, Sub Group 1 (WG 4/SG 1)

Convener: Rick Schuessler (United States), E-Mail: Rick.Schuessler@symbol.com

Secretariat: Vacant

Detailed Work Projects: <http://isotc.iso.org/livelink/workprg/workprg?objId=3367879>

- 1. ISO/IEC 15961: Information technology, Automatic identification and data capture techniques - Radio frequency identification (RFID) for item management - Data protocol: Application interface**

	Stage 1 NWIP	Stage 2 CD/PDTR/PDAM	Stage 3 FCD/FPDAM	Stage 4 FDIS/DTR/FDAM	Stage 5 IS/TR/AMD
International Standard PE: Paul Chartier	Nov 02 N1318 20.99	Jul 03 N1467 30.99	Mar 04 N1571 40.99	Sept 04 N1701 50.99	Oct 04 N/A 60.60
First Revision PE: TBD	Sept 05 N1937 20.60				

- 2. ISO/IEC 15961-2: Information Technology, Automatic identification and data capture techniques - Radio frequency identification (RFID) for item management - Data protocol Part 2: Registration of RFID data constructs**

	Stage 1 NWIP	Stage 2 CD/PDTR/PDAM	Stage 3 FCD/FPDAM	Stage 4 FDIS/DTR/FDAM	Stage 5 IS/TR/AMD
International Standard PE: Paul Chartier	N/A	Feb 06 N2007 30.60			

- 3. ISO/IEC 15961-3: Information technology, Automatic identification and data capture techniques - Radio frequency identification (RFID) for item management - Data protocol Part 3: Data constructs**

	Stage 1 NWIP	Stage 2 CD/PDTR/PDAM	Stage 3 FCD/FPDAM	Stage 4 FDIS/DTR/FDAM	Stage 5 IS/TR/AMD
International Standard PE: Paul Chartier	Feb 06 N2005 20.99	Feb 06 N2006 30.60			

Program of Work

4. *ISO/IEC 15962: Information Technology, Automatic identification and data capture techniques - Radio frequency identification (RFID) for item management - Data protocol: Data encoding rules and logical memory functions*

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: Paul Chartier	Nov 02 N1319 20.99	Jul 03 N1468 30.99	Mar 04 N1572 40.99	Sept 04 N1702 50.99	Oct 04 N/A 60.60
First Revision PE: TBD	Sept 05 N1938 20.60				

5. *ISO/IEC 24753: Information technology, Automatic identification and data capture techniques - Radio frequency identification (RFID) for item management - Application protocol: encoding and processing rules for sensors and batteries*

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: Paul Chartier	Apr 05 N1828 20.99	Jan 07 N/A 30.20			

6. *ISO/IEC 24791-1: Information technology, Automatic identification and data capture techniques - Radio frequency identification (RFID) for item management - Software system infrastructure - Part 1: Device management*

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: Scott Barvick	Sept 06 N2124 20.99	Jan 07 N/A 30.20			

7. *ISO/IEC 24791-2: Information technology, Automatic identification and data capture techniques - Radio frequency identification (RFID) for item management - Software system infrastructure - Part 2: Data management*

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: Joo-Sang Park & Masaki Ehara	Sept 06 N2124 20.60				

Program of Work

8. ISO/IEC 24791-3: Information technology, Automatic identification and data capture techniques - Radio frequency identification (RFID) for item management - Software system infrastructure - Part 3: Application management

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: Scott Barvick & Luke Donnelly	Sept 06 N2124 20.60				

9. ISO/IEC 24791-4: Information technology, Automatic identification and data capture techniques - Radio frequency identification (RFID) for item management - Software system infrastructure - Part 4: Application interface

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: TBD	Sept 06 N2124 20.60				

10. ISO/IEC 24791-5: Information technology, Automatic identification and data capture techniques - Radio frequency identification (RFID) for item management - Software system infrastructure - Part 5: Device interface

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: Tony Carter	Sept 06 N2124 20.60				

11. ISO/IEC 24791-6: Information technology, Automatic identification and data capture techniques - Radio frequency identification (RFID) for item management - Software system infrastructure - Part 6: Security

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: Curtis Rozeboom & Ho-Won Kim	Sept 06 N2124 20.60				

Working Group on RFID for Item Management, Sub Group 2 (WG 4/SG 2)

Convener: Pierre Georget (France), E-Mail: pierre.georget@gs1fr.org

Secretariat: Vacant

Detailed Work Projects: <http://isotc.iso.org/livelink/workprg/workprg?objId=3367879>

- 1. ISO/IEC 15963: Information technology, automatic identification and data capture techniques -- Radio frequency identification (RFID) for item management -- Unique identification for RF tag***

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: Craig Harmon	N/A	Mar 02 N1094 30.99	Aug 03 N1489 40.99	Jul 04 N1660 50.99	Sept 04 N/A 60.60

Working Group on RFID for Item Management, Sub Group 3 (WG 4/SG 3)

Convener: Steve Halliday (United States), E-Mail: steve@hightechaid.com

Secretariat: Vacant

Detailed Work Projects: <http://isotc.iso.org/livelink/workprg/workprg?objId=3367879>

- 1. ISO/IEC 18001: Information technology, automatic identification and data capture techniques - Radio frequency identification (RFID) for item management - Application requirements profiles***

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
Technical Report PE: Craig Harmon	N/A	Feb 01 N0827 30.99	N/A	Apr 04 N1590 50.92	Oct 04 N/A 60.60

- 2. ISO/IEC 18000-1: Information technology, automatic identification and data capture techniques - Radio frequency identification (RFID) for item management - Air interface - Part 1: Generic parameters for air interface communication for globally accepted frequencies***

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: A. Watanabe	Sept 00 N/A 20.99	Jul 01 N0936 30.99	Feb 03 N1357 40.99	Aug 04 N1680 50.99	Sept 04 N/A 60.60
First Amendment PE: Steve Halliday	May 05 N1841 20.60				

Program of Work

3. *ISO/IEC 18000-2: Information technology, automatic identification and data capture techniques - Radio frequency identification (RFID) for item management - Air interface - Part 2: Parameters for air interface communications below 135 KHz*

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: Alain Berthon	Jan 02 N1031 20.99	Feb 02 N1058 30.99	Feb 03 N1358 40.99	Jul 04 N1678 50.99	Sept 04 N/A 60.60
First Amendment PE: Steve Lazar & Dominique Paret	May 05 N1842 20.60				

4. *ISO/IEC 18000-3: Information technology, automatic identification and data capture techniques - Radio frequency identification (RFID) for item management - Air interface - Part 3: Parameters for air interface communications at 13.56 MHz*

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: Robert Williams	Nov 01 N0997 20.99	Feb 02 N1059 30.99	Feb 03 N1359 40.99	Aug 04 N1681 50.99	Sept 04 N/A 60.60
First Amendment PE: Ken Laing & Christophe Mani	May 05 N1843 20.60				
Second Amendment PE: TBD	Apr 07 N/A 20.20	Apr 07 N/A 30.20			

5. *ISO/IEC 18000-4: Information technology, automatic identification and data capture techniques - Radio frequency identification (RFID) for item management - Air interface - Part 4: Parameters for air interface communications at 2.45 GHz*

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: Josef Preishuber-Pflügl	Jan 02 N1032 20.99	Feb 02 N1060 30.99	Feb 03 N1360 40.99	May 04 N1645 50.99	Sept 04 N/A 60.60
First Revision PE: Josef Preishuber-Pflügl	May 05 N1844 20.99	Mar 07 N/A 30.20			

Program of Work

6. ISO/IEC 18000-6: Information technology, automatic identification and data capture techniques - Radio frequency identification (RFID) for item management - Air interface - Part 6: Parameters for air interface communications at 860--960 MHz

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: Alfio Grasso	Sept 00 N/A 20.99	Jan 03 N1349 30.99	Aug 03 N1487 40.99	May 04 N1646 50.99	Sept 04 N/A 60.60
First Amendment PE: Josef Preishuber-Pflügl & Chris Diorio	Nov 04 N1729 20.99	May 05 N1879 30.99	Nov 05 N1964 40.99	May 06 N/A 50.99	Jun 06 N/A 60.60
Second Amendment PE: TBD	May 05 N1854 20.60				

7. ISO/IEC 18000-7: Information technology, automatic identification and data capture techniques - Radio frequency identification (RFID) for item management - Air interface - Part 7: Parameters for air interface communications at 433 MHz

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: Craig Harmon	Jan 03 N1347 20.99	Jan 03 N1346 30.99	Aug 03 N1488 40.99	May 04 N1647 50.99	Sept 04 N/A 60.60
First Revision PE: Craig Harmon	May 05 N1845 20.99	Mar 06 N2026 30.99	Aug 06 N2121 40.99	Jan 07 N/A 50.20	

8. ISO/IEC 24710: Information technology, automatic identification and data capture techniques - Radio frequency identification (RFID) for item management - Elementary tag license plate functionality for ISO air interface definitions

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
Technical Report PE: Richard Rees	Jul 03 N1476 20.99	Aug 04 N1695 30.99	N/A	Jan 05 N1767 50.99	Oct 05 N/A 60.60

Program of Work

Working Group on RFID for Item Management, Sub Group 5 (WG 4/SG 5)

Convener: Toshihiro Yoshioka (Japan), E-Mail: toshihiro.yoshioka@ai--soken.com

Secretariat: Vacant

Detailed Work Projects: <http://isotc.iso.org/livelink/workprg/workprg?objId=3367879>

- 1. ISO/IEC 24729-1: Information technology, automatic identification and data capture techniques - Radio frequency identification for item management - Implementation guidelines - Part 1: RFID-enabled labels**

	Stage 1 NWIP	Stage 2 CD/PDTR/PDAM	Stage 3 FCD/FPDAM	Stage 4 FDIS/DTR/FDAM	Stage 5 IS/TR/AMD
International Standard	Jan 05 N1552	Sept 06 N/A			
PE: Craig Harmon	20.99	30.20			

- 2. ISO/IEC 24729-2: Information technology, automatic identification and data capture techniques - Radio frequency identification for item management - Implementation guidelines - Part 2: Recyclability of RF tags**

	Stage 1 NWIP	Stage 2 CD/PDTR/PDAM	Stage 3 FCD/FPDAM	Stage 4 FDIS/DTR/FDAM	Stage 5 IS/TR/AMD
International Standard	Jan 05 N1552	Sept 06 N/A			
PE: Craig Harmon	20.99	30.20			

- 3. ISO/IEC 24729-3: Information technology, automatic identification and data capture techniques - Radio frequency identification for item management - Implementation guidelines - Part 3: RFID interrogator/antenna installation**

	Stage 1 NWIP	Stage 2 CD/PDTR/PDAM	Stage 3 FCD/FPDAM	Stage 4 FDIS/DTR/FDAM	Stage 5 IS/TR/AMD
International Standard	Jan 05 N1552				
PE: Craig Harmon	20.60				

Working Group on Real Time Locating Systems (RTLS) (SC 31/WG 5)

Convener: Marsha Harmon (United States), E-mail: marsha.harmon@qed.org

Secretariat: Dan Kimball (United States), E-mail: daniel_kimball@hq.dla.mil

Detailed Work Projects: <http://isotc.iso.org/livelink/workprg/workprg?objId=3367879>

- 1. ISO/IEC 24730-1: Information technology, automatic identification and data capture techniques - Real time locating systems (RTLS) - Part 1: Application programming interface (API)**

	Stage 1 NWIP	Stage 2 CD/PDTR/PDAM	Stage 3 FCD/FPDAM	Stage 4 FDIS/DTR/FDAM	Stage 5 IS/TR/AMD
International Standard	Nov 03 N1520	Jan 05 N1768	Jul 05 N1914	Jan 06 N/A	Feb 06 N/A
PE: Sandeep Jain	20.99	30.99	40.99	50.99	60.60

Program of Work

2. ISO/IEC 24730-2: Information technology, automatic identification and data capture techniques - Real time locating systems (RTLS) - Part 2: 2.4 GHz

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: Tim Harrington	Nov 03 N1520 20.99	Jun 05 N1903 30.99	Jan 06 N1994 40.99	Jun 06 N/A 50.20	

3. ISO/IEC 24730-3: Information technology, automatic identification and data capture techniques - Real time locating systems (RTLS) - Part 3: Chirp spread spectrum (CSS) at 2,4 GHz

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: TBD	Mar 07 N/A 20.20	Mar 07 N/A 30.20			

4. ISO/IEC 24730-4: Information technology, automatic identification and data capture techniques - Real time locating systems (RTLS) - Part 4: Global locating systems (GLS)

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: TBD	Apr 05 N1839 20.60				

Vocabulary Rapporteur (SC 31)

Convener: Craig Harmon (United States), E-Mail: craig.harmon@qed.org

Detailed Work Projects: <http://isotc.iso.org/livelink/workprg/workprg?objId=3367879>

1. ISO/IEC 19762: Information technology, automatic identification and data capture techniques - Harmonized vocabulary - Abbreviations

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: Craig Harmon	N/A	May 06 N2090 30.60			

Program of Work

2. *ISO/IEC 19762-1: Information technology, automatic identification and data capture techniques - Harmonized vocabulary - Part 1: General terms relating to automatic identification and data capture (AIDC)*

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: Craig Harmon	N/A	Mar 02 N/A 30.99	Feb 03 N/A 40.99	Feb 05 N/A 50.99	Mar 05 N/A 60.60
First Revision PE: Craig Harmon	N/A	May 06 N2085 30.60			

3. *ISO/IEC 19762-2: Information technology, automatic identification and data capture techniques - Harmonized vocabulary - Part 2: Optically readable media (ORM)*

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: Craig Harmon	N/A	Mar 02 N/A 30.99	Feb 03 N/A 40.99	Feb 05 N/A 50.99	Mar 05 N/A 60.60
First Revision PE: Craig Harmon	N/A	May 06 N2086 30.60			

4. *ISO/IEC 19762-3: Information technology, automatic identification and data capture techniques - Harmonized vocabulary - Part 3: Radio frequency identification (RFID)*

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: Craig Harmon	N/A	Mar 02 N/A 30.99	Feb 03 N/A 40.99	Feb 05 N/A 50.99	Mar 05 N/A 60.60
First Revision PE: Craig Harmon	N/A	May 06 N2087 30.60			

5. *ISO/IEC 19762-4: Information technology, automatic identification and data capture techniques - Harmonized vocabulary - Part 4: Conceptual relationship between terms*

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: Craig Harmon	Sept 04 N/A 20.99	May 06 N2088 30.60			

Program of Work

6. ISO/IEC 19762-5: Information technology, automatic identification and data capture techniques - Harmonized vocabulary - Part 5: locating systems

	<u>Stage 1</u> NWIP	<u>Stage 2</u> CD/PDTR/PDAM	<u>Stage 3</u> FCD/FPDAM	<u>Stage 4</u> FDIS/DTR/FDAM	<u>Stage 5</u> IS/TR/AMD
International Standard PE: Craig Harmon	Jun 05 N/A 20.99	May 06 N2089 30.60			