



## ISO/IEC JTC 1 N9720

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# ISO/IEC JTC 1 SC 28

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Akira Saito, SC Chair

Moto Sugiyama, SC Secretariat

2009 JTC 1 Plenary



# What is New

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- Work items
  - NP 29142 Cartridge Characterization Standards (multi-part)
  - WD 29183 Digital Copying Productivity of a Single, One Sided Original
  - NP 20186 TR - Test Method of Color Gamut Mapping Algorithm for Office Color Equipment
- Participants  
Russia as O-member (P:14/O:17)
- Liaisons  
Cat C with International Color Consortium



# NP 29142 Cartridge Characterization Standards

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- Part 1: General:  
Terms, Symbols, and Notations
- Part 2: Labeling
- Part 3: Environment
- Part 4: Ink Cartridge Attributes
- Part 5: Toner Cartridge Attributes



# User Engagement

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- Participation  
thru user survey by mfrs for roadmap  
creation “Technical seeds vs. User  
needs”
- Requirements addressed  
Fair comparison of :
  - Printer cartridge yield
  - Digital printers/copiers throughput
- Challenges  
Membership skewed in few countries



# Known Implementations

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- Cartridge yield measurement standards are very popular: Google search -

ISO/IEC19752-2004 (B/W laser)	143,000 hits
ISO/IEC19798-2007 (colour laser)	52,600 hits
ISO/IEC24711-2007 (ink)	45,400 hits

- Other standards are also well used behind development of product catalog etc.

eg. Information to be included in specification sheets and related test methods



Source: Asahi Shimbun morning edition 20070521







## Cartridge yield measurement standards



### MFC-6490CW

[Home](#) > [Asia/ Oceania](#) > [Others](#) >

[MFC-6490CW](#) > Consumables & Options

#### Ink Cartridge



LC67BK

- Black
- Standard
- Innobella™ Ink Cartridges
- Approx. 450 pages in accordance with ISO/IEC 24711



LC67HY-BK

- Black
- High Yield
- Innobella™ Ink Cartridges
- Approx. 900 pages in accordance with ISO/IEC 24711



LC67C

- Cyan
- Standard
- Innobella™ Ink Cartridges
- Approx. 325 pages in accordance with ISO/IEC 24711

Cartridge Model(s)	Page Yield (pages)
73N (Standard Black Ink)	Approx 250 pages (ISO/IEC 24711 and 24712 Test Suite)
73N (Standard Colour Ink) *	Approx 390 pages (ISO/IEC 24711 and 24712 Test Suite)
91N (Economy Black Ink)	Approx 180 pages (ISO/IEC 24711 and 24712 Test Suite)
91N (Economy Colour Ink) *	Approx 215 pages (ISO/IEC 24711 and 24712 Test Suite)



## OEMs Support New ISO Cartridge Yield Standards

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ISO STANDARDS TO MEASURE INK AND COLOR TONER CARTRIDGE YIELDS WILL HELP CUSTOMERS MAKE MORE INFORMED PURCHASE DECISIONS BY OBJECTIVELY AND ACCURATELY EVALUATING PRINT CARTRIDGE YIELDS.



# Outreach

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- Press releases  
none
- Articles  
“Comparing apples with apples” in “ISO and the Media” for ISO Focus 4/2009 edition
- Citings by external sources  
(see “known implementation slides”)
- Presentations  
“Supply yield standards” at Asia Imaging Forum 2008 Singapore (by SC28 Ambassador)



# Challenges

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- Impediments to success
  - Short term – project delays
  - Long term - industry matured, frontier congested with other TCs/SCs/consortia



# Issues or Needs

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- Resources skew in Korea, Japan, US + where office equipment industry exists
- Need strategic coordination/collaboration, not confrontation, with TC42, TC130 and TC171+



# 2010

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- New directions (under consideration)  
High level application I/F e.g. Print Ticket
- Date/location of next SC plenary  
June 3 – 11, 2010 in Rochester NY