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# The work of ISO Technical Committee 42– Photography

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# Technical Committee 42

- The ISO structure
- Photographic standards – TC 42
- The TC42 Business Plan
- Further information
  - <http://www.rps-isg.org>

# The ISO structure

- 157 National Standards bodies such as BSI
- 17,041 ISO standards published
  - 1,105 produced in 2007
  - 3,488 in progress
- Standards work by Technical Committees
  - Currently 201 TCs
  - Work done by 2,287 Working Groups

See [http://www.iso.org/iso/about/iso\\_in\\_figures.htm](http://www.iso.org/iso/about/iso_in_figures.htm)

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# ISO photographic standards

- Technical Committee 42 – Photography
- 177 standards, 32 countries
  - A HUGE amount of embedded knowledge
- UK input coordinated by BSI CPW/42
- 19 Working Groups
- Guided by the TC42 Business Plan

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# The TC42 Business Plan

- A Technical Committee in transition
  - The decline of Silver Halide technology
  - The growth in Digital Imaging
- 3 goals to support this
  - Manage the legacy standards
  - Modify some legacy for new applications
  - Develop standards to support new technology

# Managing legacy standards

- Standards subject to periodic review (5yrs)
- Options available
  - Withdraw
  - Revise / Amend
  - Confirm (previous BSI default response)
  - Confirm and correct errors
  - Abstain (new BSI default response)

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# Managing legacy standards - withdrawal

## ISO 1943 – Overhead Projectors

- Part 1: Projection stages – Dimensions
- Part 2: Transparencies and transparency frames – Dimensions
- Part 3: Film rolls, cores and winders – Dimensions

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# Managing legacy standards - modifying

ISO 10505 – Root mean square (RMS)  
granularity of photographic films — Method of  
measurement

- Modified to bring in “new” technology
  - Computer interfaces
  - Digital signal processing
- Currently on hold due to lack of WG3 resource



# Modify legacy for new applications

ISO 14548:1998 –  
Dimensions of glass  
plates

- Intended as the dimensions for glass plate cameras



Sizes, thickness and tolerances no longer appropriate

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# Modify legacy for new applications

## ISO 14548:1998 – Dimensions of glass plates

- Current uses of photographic glass plates
  - Scientific & Technical
  - Holography
- The move from rolled to float glass
- 14548 is not only inappropriate but wrong!
- The lack of WG8 resource

# Develop standards – new technology

## Optical disc – Storage, Care and Handling

- ISO 18925:2002
  - Storage practices
- ISO 18938:2008
  - Care and handling

## Optical disc – estimating life expectancy

- ISO 18921:2008 (CDROM)
- ISO 18927:2002 (CDR)

# Develop standards – new technology

- ISO 18927 (work by TC42)
  - CDR – Method for estimating the life expectancy based on the effects of temperature and relative humidity
- ISO 10995 (work by ISO/IEC/JTC1/SC23)
  - Digitally recorded media for information interchange and storage -- Test method for the estimation of the archival lifetime of optical media
- ISO/IEC/JTC1/SC23 and ISO/TC42
  - JWG on Optical Media Longevity Testing

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# Conclusions

- TC42 (Photography) is a very active group
- In transition between technologies
- Still work outstanding on “old” technology
- Lots to do in “new” technology
- **WE NEED YOUR HELP!**

# Sources of information

- The RPS Imaging Science Group
  - <http://www.rps-isg.org>
- BSI standards
  - <http://www.bsi-global.com/en/Standards-and-Publications/>
- ISO TC42
  - [http://www.iso.org/iso/standards\\_development/technical\\_committees/list\\_of\\_iso\\_technical\\_committees/iso\\_technical\\_committee.htm?commid=48420](http://www.iso.org/iso/standards_development/technical_committees/list_of_iso_technical_committees/iso_technical_committee.htm?commid=48420)
- International Imaging Industry Association
  - <http://www.i3a.org/resources/iso/>