

*Dimensional Metrology  
Standards Consortium*

**DMSC**



# Dimensional Metrology Standards Consortium (DMSC Inc)

Curtis W. Brown

National Nuclear Security Agency's Kansas City Plant

Honeywell FM&T

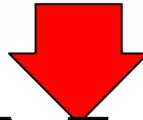
cbrown@kcp.com

Once upon a time . . .



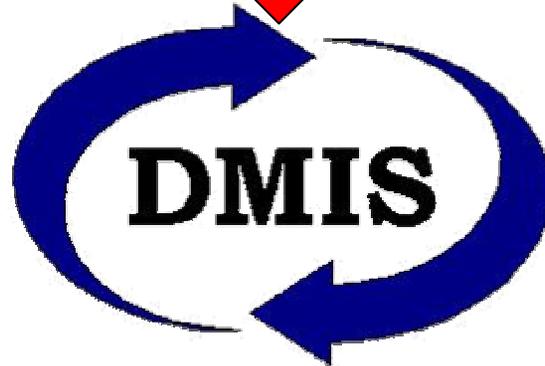
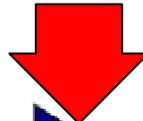
1.0, 2.0

Once upon a time . . .



**DNSC**

*DMIS National Standards Committee*



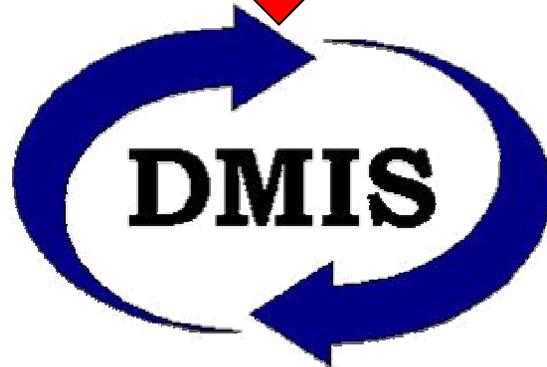
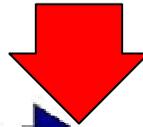
2.1, 3.0,  
4.0, 5.0

Then . . .



**DNOSC**

*DMIS National Standards Committee*



5.0

Then . . .



**DNOSC**

*DMIS National Standards Committee*



5.0

Then . . .

*Dimensional Metrology  
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**DNOSC**

*DMIS National Standards Committee*



5.0

# Now . . .

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Standards Consortium* **DMSC**

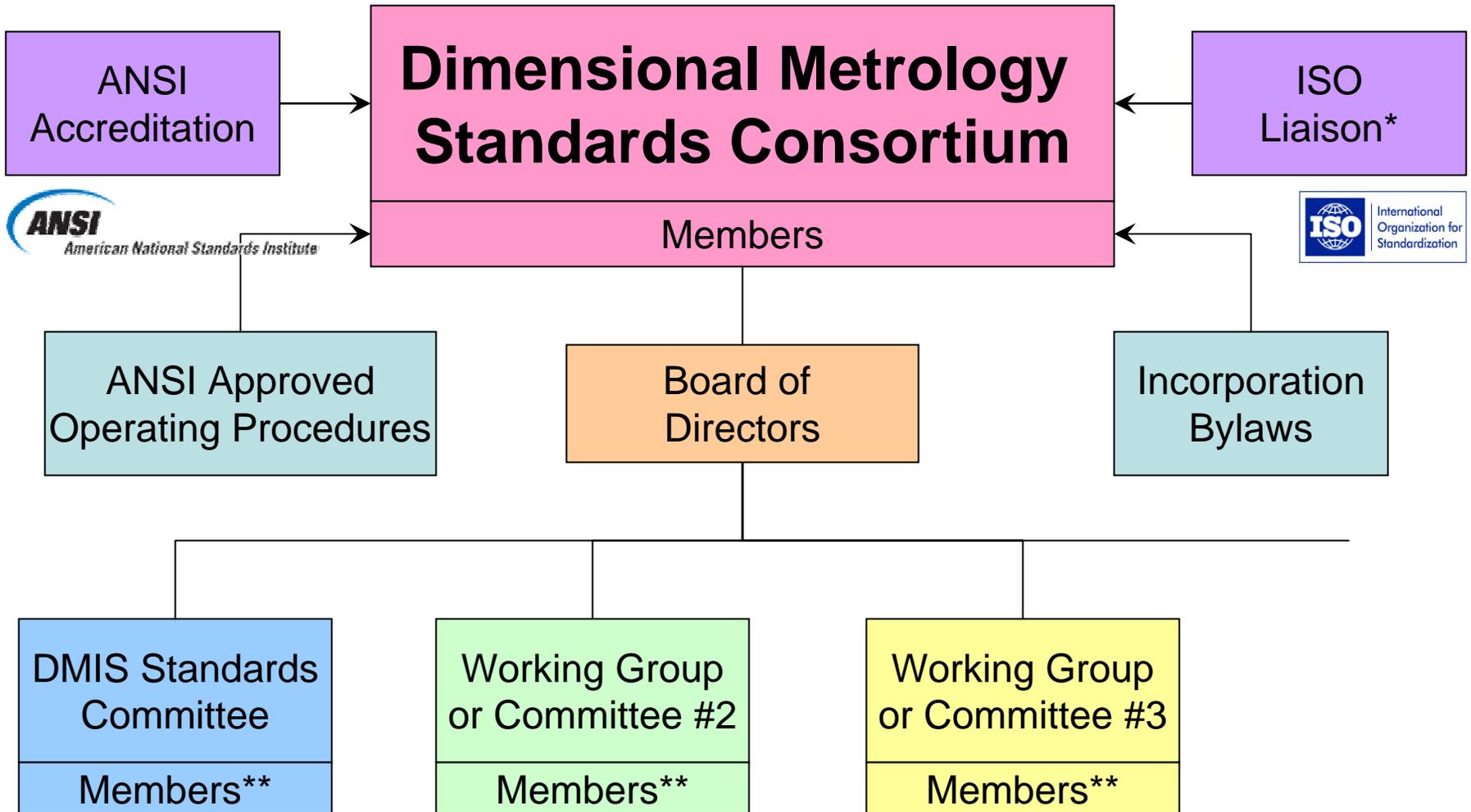
**DMIS**    
*Standards Committee*

**DMIS 5.0**   
*Dimensional Measuring Interface Standard*

# DMSC is . . .

- a non-for-profit, cooperative sponsorship organization.
- focused on or relating to digital dimensional metrology.
- dedicated to identifying, promoting, fostering, and encouraging the development and interoperability of standards that benefit the dimensional metrology community.
- accredited national standard-making organization with international presence.

# DMSC organization . . .



# DMSC members are . . .

- DaimlerChrysler
- Ford Motor Co.
- Hexagon Metrologies
- Honeywell FM&T
- John Deere & Company
- LK Limited
- Lockheed Martin Corp.
- Mitutoyo America Corp.
- Renishaw
- UGS, Tecnomatix Tech
- Xspect Solutions, Inc.



JOHN DEERE

**Honeywell**

**Xspect**  
SOLUTIONS



LOCKHEED MARTIN

**Mitutoyo**

**HEXAGON**  
METROLOGY

DAIMLERCHRYSLER

**RENISHAW**



**TECNOMATIX**



# DMSC membership is . . .

- open to any individual, company, organization, corporation or government entity
- that:
  - has a direct or material interest in the development and support of metrology-related and automation standards
  - willing to work cooperatively
  - pays the annual consortium membership dues. (currently at less than \$4k w/ options)

# DMSC membership . . .

- sustains metrology standards such as DMIS
- preserves company investments
- provides an avenue for bodies of works to become accredited standards
- leverages ideas, concepts, and resources
- networks with individuals and builds teams with peers
- gains advanced notice of emerging interoperability activity
- provides structure to champion, create, and/or extend standards
- influences standards and interoperability decisions
- enables eligibility as a board of directors
- waivers of all committee participating fees

# In summary, DMSC can . . .

- provide the mechanism to establish national and international standards.
- foster authorized groups (sub-committees).
  - to promote and/or develop specifications into standards.
  - to maintain and/or enhance existing standards
  - to coordinate and harmonize related standards.
- encourage the collaboration of efforts to achieve shared goals. (such as the IMIS)

# Finally, DMSC requests your . . .

- active participation in the DMSC
  - supporting consortium member
  - non-paying sub-committee member
- for more information
  - visit the website
    - [www.dmsc-inc.org](http://www.dmsc-inc.org)
  - visit the DMSC booth
    - meet Bailey Squier

