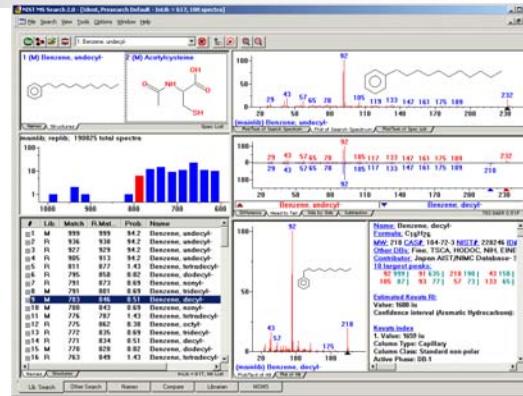
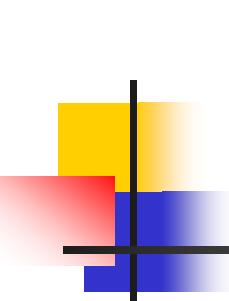


# NIST Scientific Data

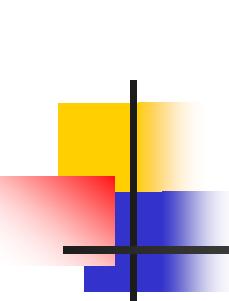
- All Labs; most divisions
- Standard Reference Data
  - 55 PC products available
  - 54 Online SRD systems out of 91 total NIST systems
  - 6,000 units sold/year
  - 130 M/year data downloads
  - \$5.1 M in sales
  - \$7.1 M in spending





# Technical Areas for NIST SRD

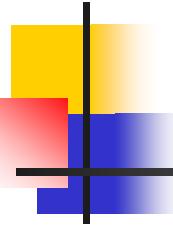
- Analytical Chemistry
- Atomic and Molecular Physics
- Biotechnology
- Chemical and Crystal Structure
- Chemical Kinetics
- Environmental data
- Fire
- Fluids
- International Trade
- Law Enforcement
- Materials Properties
- Optical Character Recognition
- Surface Data
- Text and Video Retrieval
- Thermophysical & Thermochemical



# SRD Act PL 90-396

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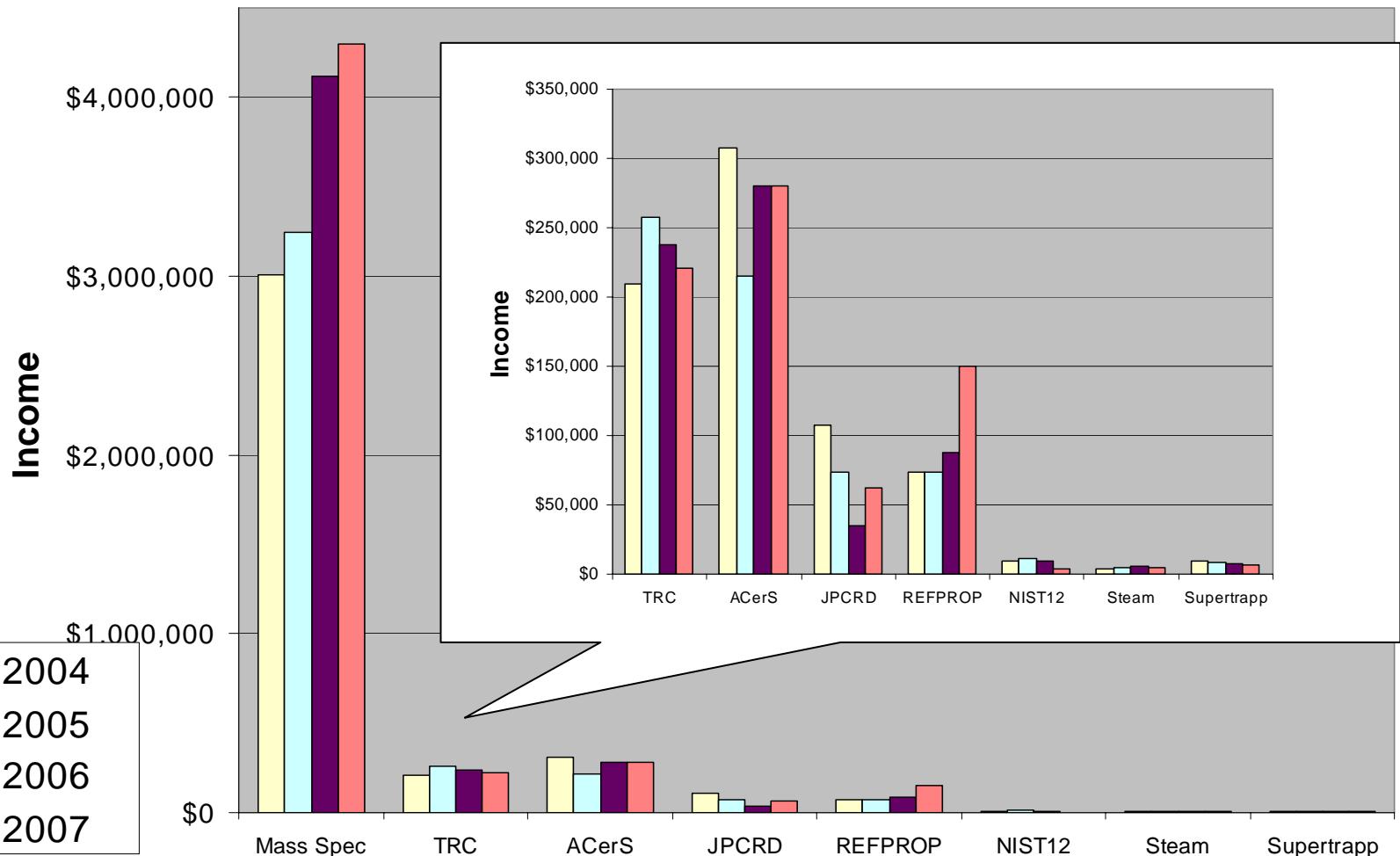
- Specifically authorizes the Secretary of Commerce to
  - Evaluate scientific data available to the public
  - Secure copyright to such data

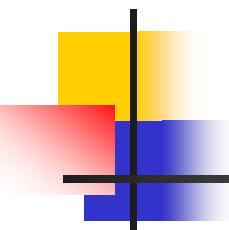


# NIST Standard Reference Data-Licensing

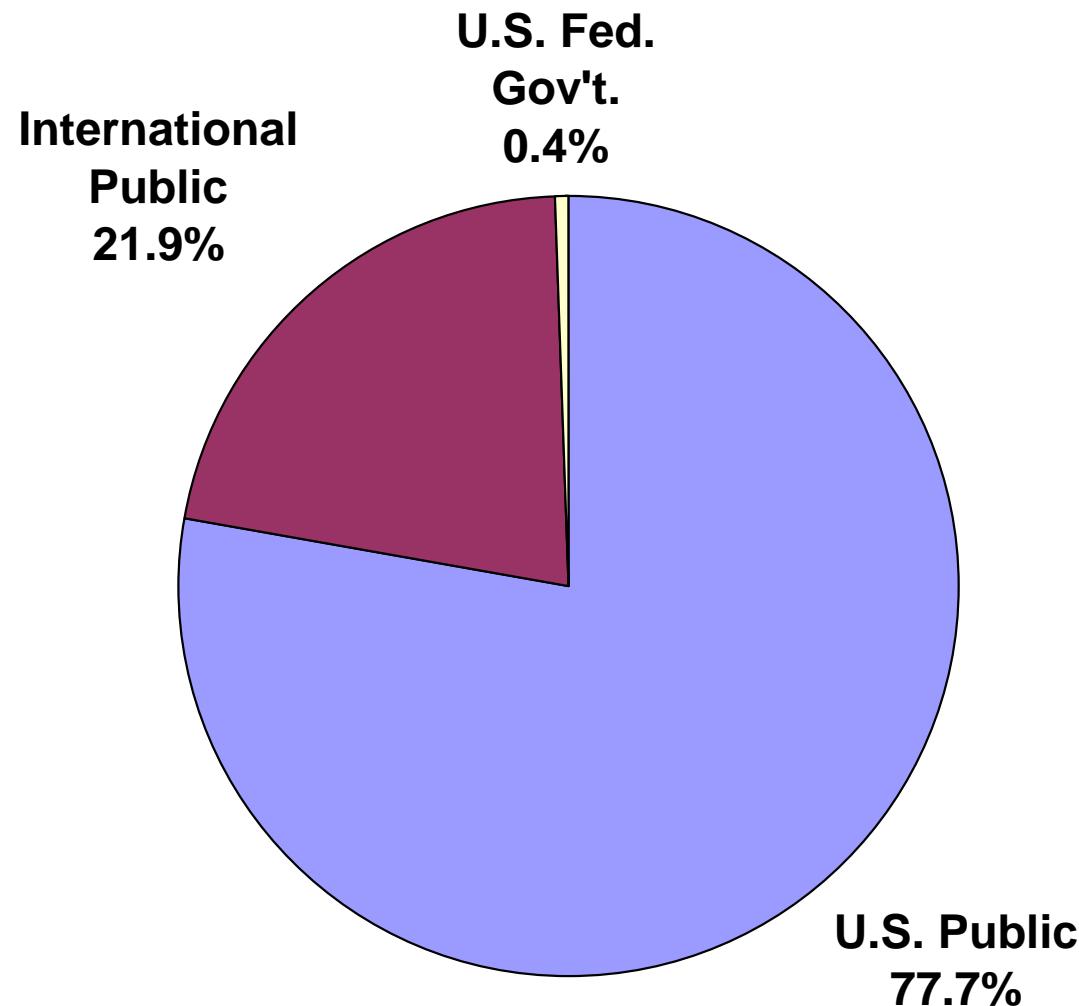
- Terms
  - Limited to termination date or specific version
  - Requires acknowledgement of copyright
  - Scientific acknowledgement of NIST name
  - Prohibits further redistribution – secondary distributors
  - Non-transferable
  - SRD disclaimer-best efforts, no guarantee
- Mass Spectrometry – over 40 distributors
- REFPROP/other fluids – over 40 distributors

# SRD Purchased Products

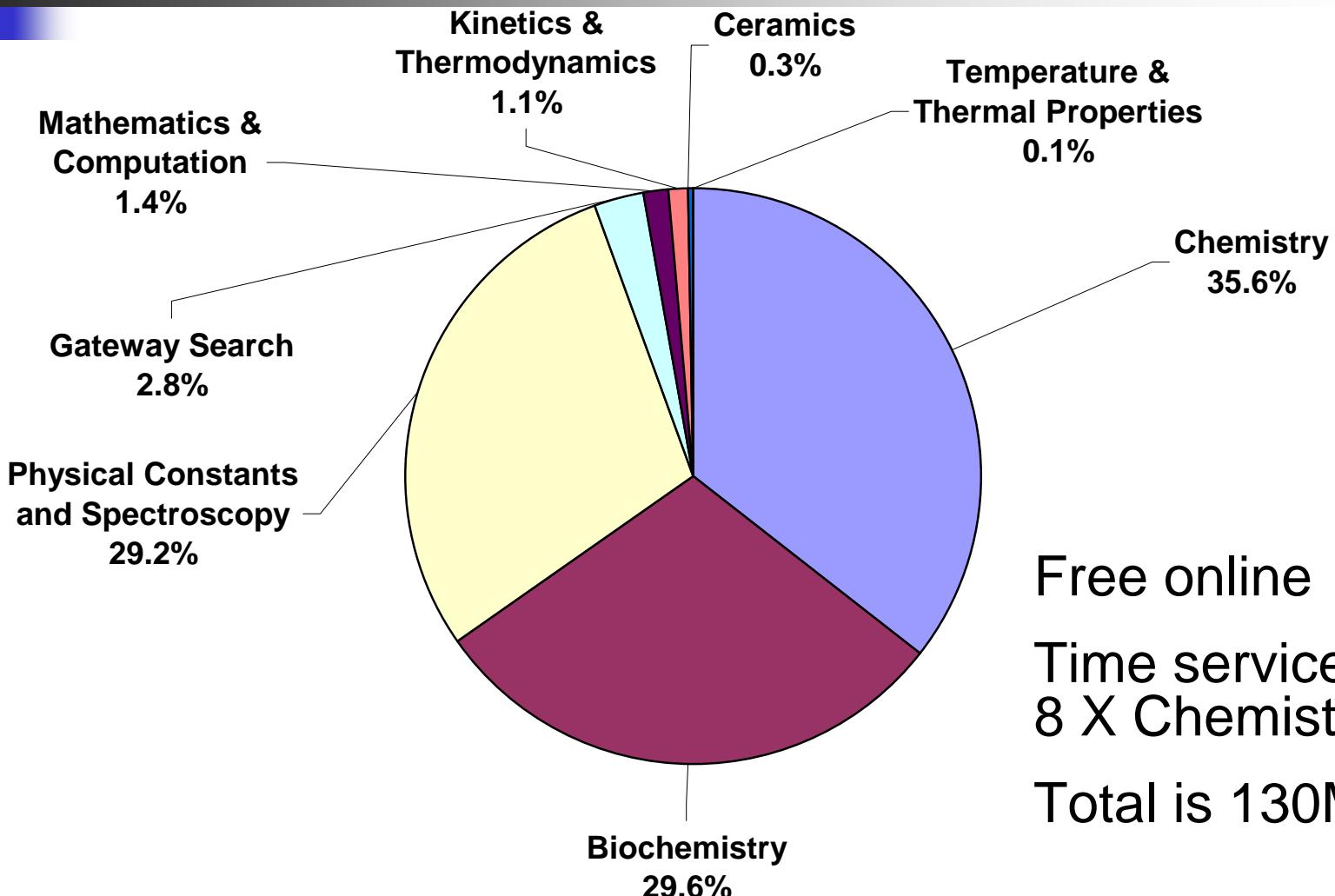




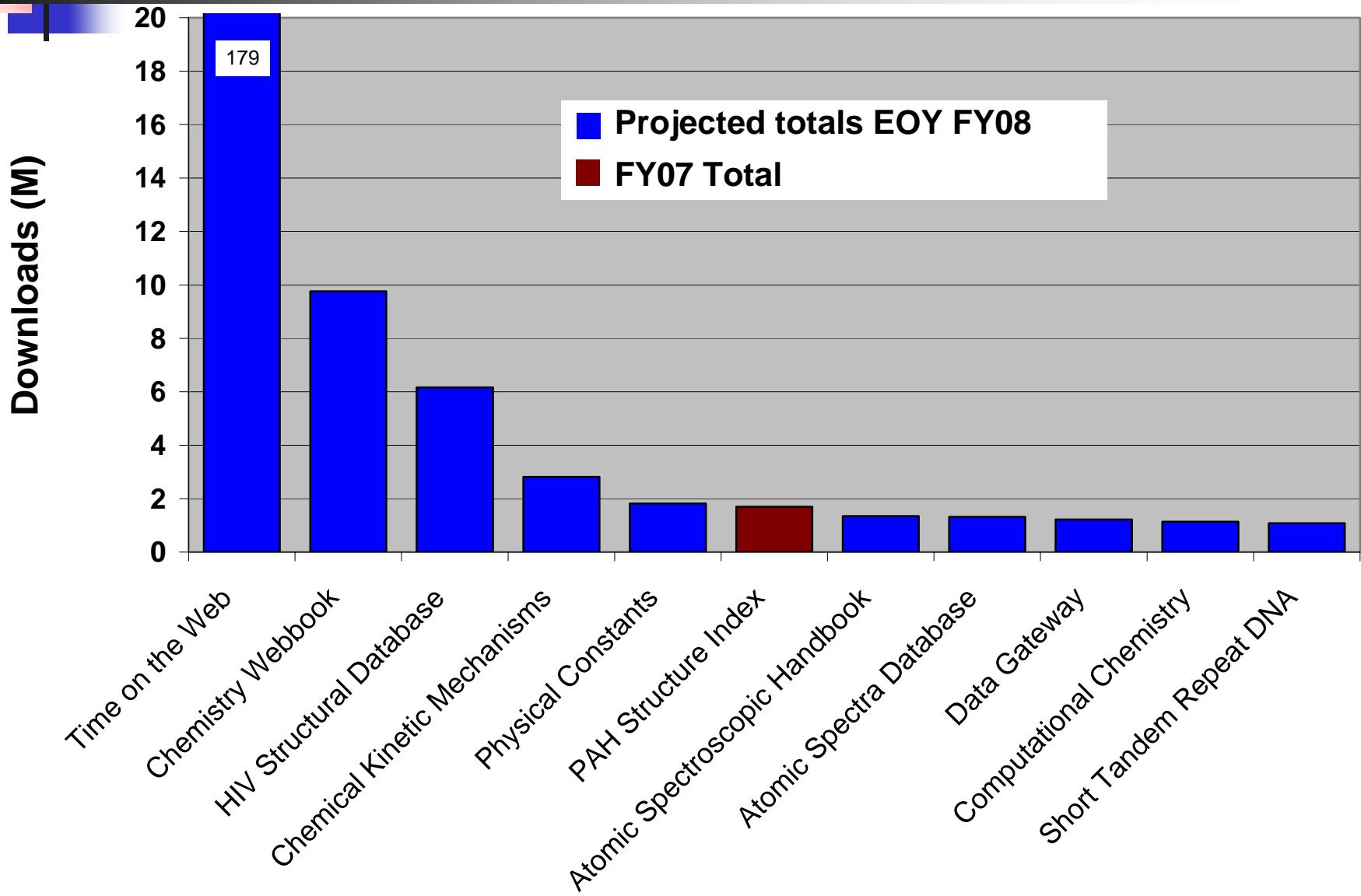
# SRD Customers



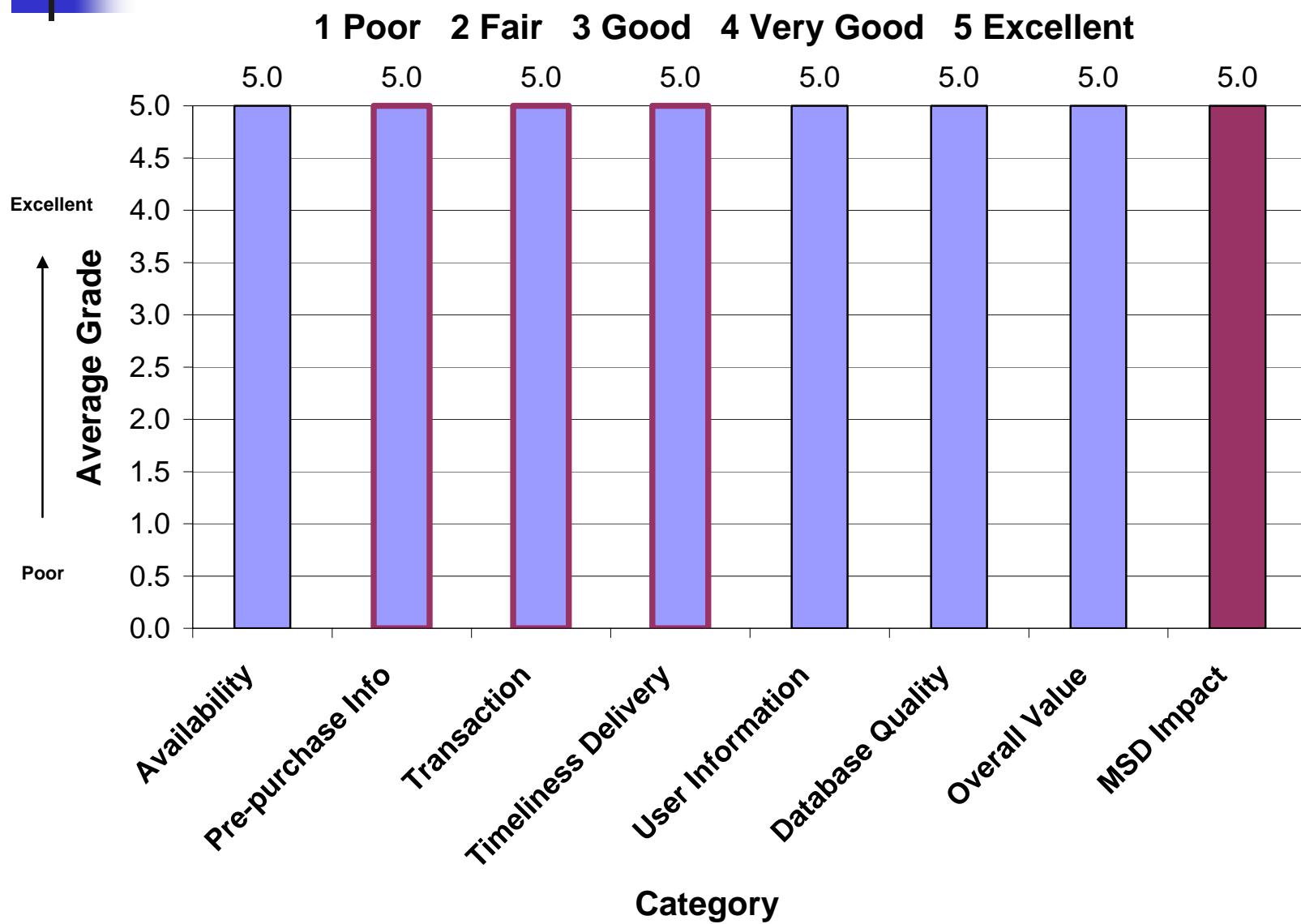
# Data Downloads (excl. Time)

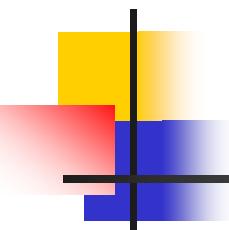


# Free Online Systems



# Customer Satisfaction

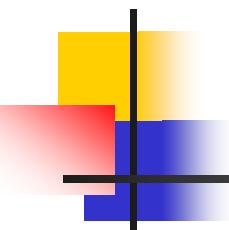




# SRD Impact Studies

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- REFPROP (1987 – 1996)
  - Benefit-to-Cost Ratio = 3.9
- Ceramic Phase Diagrams (1985 – 2001)
  - BCR = 10.0



## Journal of Physical and Chemical Reference Data

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- NIST partner with American Institute of Physics
- Co-editors Allan Harvey and Don Burgess
- 25 – 30 articles; 2000 pages per year
- 4000 citations per year
- Citation half-life >10 years
- High impact factor over the years
  - Average number of citations for “recent” articles

# JPCRD Impact Factor

