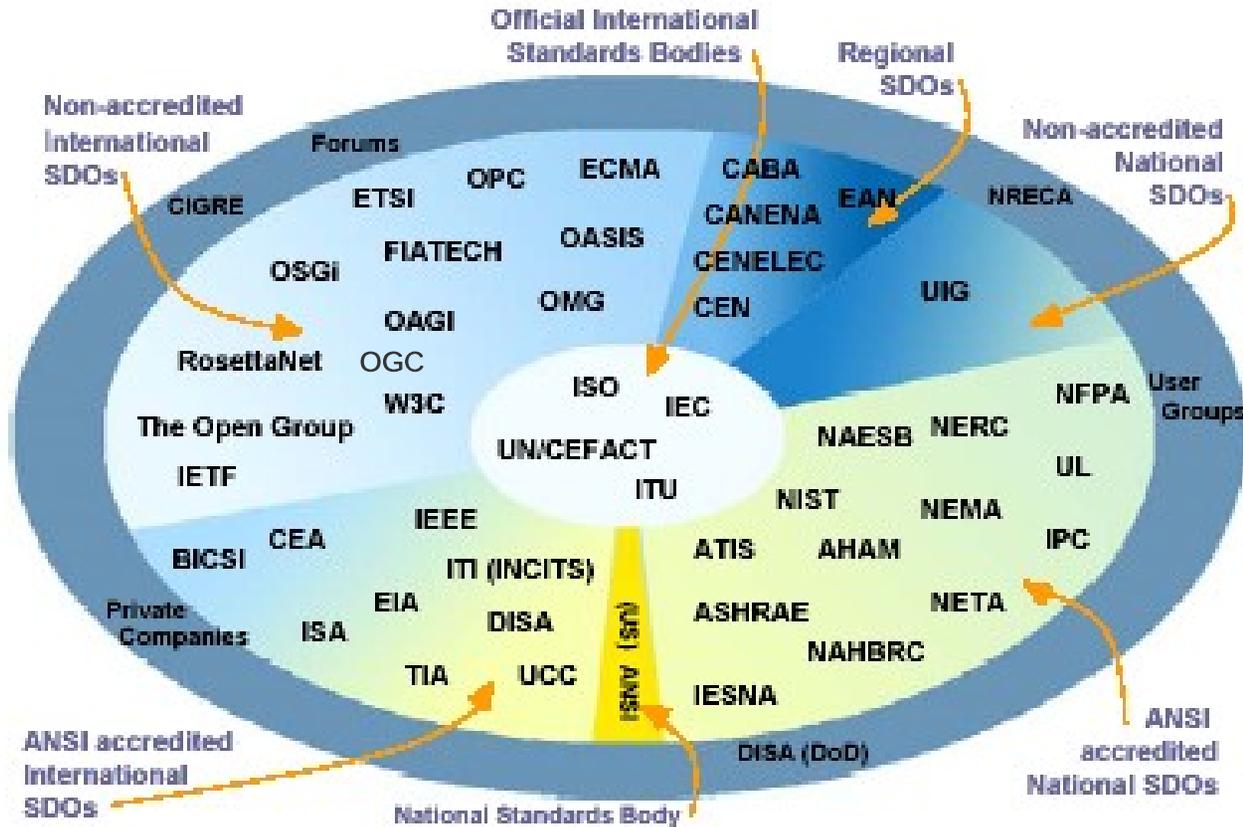


Net-Ready Sensors Workshop

Wrap-up Session

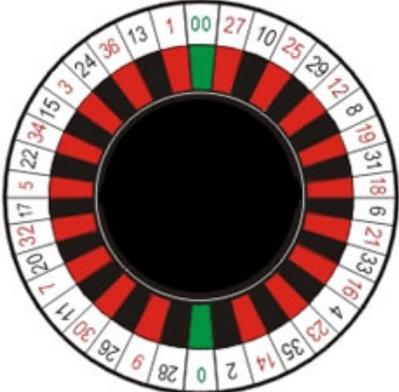
Navigating the Standards Maze

Standards-Related Organizations

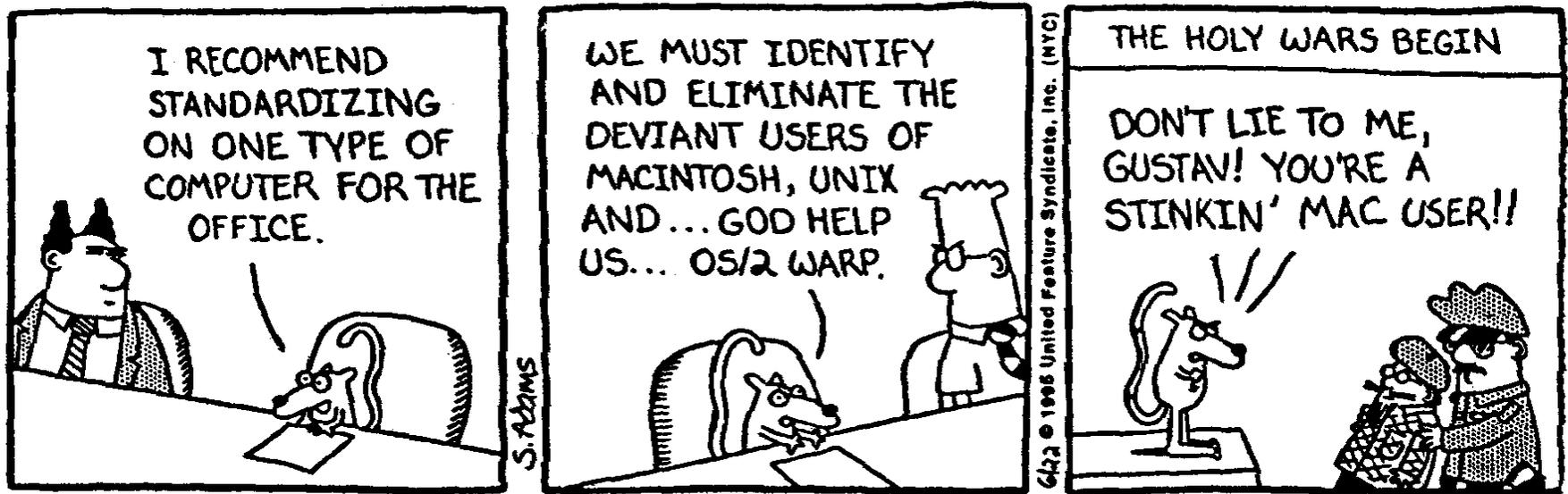


Spin the Wheel and Pick a Winner: Some Standards Succeed and Most Do Not

TCP/IP	OSI/TP4
XML	CORBA
Java	Ada
LDAP	X.500
IEEE 802.3/Ethernet	IEEE 802.5/Token Ring
	ATM to the Desktop
	isoEthernet
802.11x (WiFi)	Home PNA/Home RF
SMTP	X.400
SNMP	TINA-C



The Holy Wars According to Scott Adams (circa 1995)



“...the standards process can slow down development and implementation of new things.” Mitchell Baker, Chief Lizard Wrangler, Mozilla Corp.



ORNL's Collaborative Approach

1. Adopt a guiding **philosophy** and articulate it to sponsors, developers, collaborators, and vendors.
2. Understand and define the basic system requirements and develop a **technical approach** that is consistent with the philosophy.
3. In projects where the requirements and technologies are dynamic and likely to change, insure the fundamental components have open and standard interfaces. Push innovation and disruptive technologies into the components and keep the infrastructure that the components connect to standards-based and interoperable. In other words, acquire proprietary components but **AVOID proprietary interfaces**. Insist upon **commercially-supported open interfaces, standards, and interoperability**.
4. Design with a big context, preferably as big as a **long-term global solution**, but speed results and reduce technical risks and costs by **building small**, utilizing **sound systems integration** methodologies, and growing the system incrementally with **frequent milestones**.
5. Whatever else happens, maintain a good sense of humor and remain optimistic.

