The Application of IT to Standards Development

An assessment and look ahead

US Leadership in ISO and IEC
David White
Kavi Corporation
May 24, 2007
Kavi Corp

The world runs on standards. Standards organizations run on Kavi.

By the numbers:

Years in business: 10

Users: >140,000 people from >10,000 companies

Employees: 42

Customers: 85
Current Customers

Standards Consortia (SSOs)

Over 50 SSOs including USB, PCI, EPCGlobal, VICS, Trusted Computing, Wi-Fi Alliance, WiMax Forum, DLNA, **Green Grid Alliance, SemiTest, HomePlug Alliance, Payment Card Industry Standards Consortium**

Standards Developers (SDOs)

ACS X9, SMPTE, AIAA

Ecosystems

Power.org, Itanium Solutions Alliance, Blade Systems
Focus on SDOs

- Introduction of the Kavi SDO Edition
- Supporting formal standards processes
- ANSI Essential Requirements
- Comment management & reporting
- ANSI ballot types
- Interest category support
- Audit preparation, documentation and BSR-9 filing
IT Support for Standards Development

Considering how important standards are to the overall health of the ICT industry:

• The segment is underserved
• Standards processes aren’t widely supported or understood
• Commercial/custom solutions are expensive
• Nearly every org has different tools
Requirements

- Membership management
- Asynchronous Collaboration
- Document management
- Balloting
- Comment management
- Procedures & process documentation
- Archiving
- Reliable secure hosting and network mgmt
Options - Full Custom

How hard can it be?
Options - Integration

Benefits
• Less custom development
• Basic components standardized
• APIs facilitate integration

Tradeoffs
• How/where to host?
• Long term maintenance?
• License fees accumulate
• Update/upgrade fees
• APIs can break
• Managing multiple vendors consultants
• Customization
• Hardware costs
Options- On-demand or SaaS

Benefits
- Lower costs
- No SW licenses
- No hardware
- People costs
- Quality and security
- Reliability of service
- Continuous improvement

Tradeoffs
- Lack of flexibility
- Limited branding
- Customization limited
US Standards Setting Orgs

- **Formal**: Operates under detailed and strict policies and procedures
  - ANSI
  - IEEE
  - OASIS
  - W3C
  - TCG
  - OMA
  - DMTF
  - DLNA
  - PCI

- **Inclusive**: Operates transparently & encourages wide participation and public, global input
  - Open Source Projects

- **Exclusive**: Excludes or limits participation either explicitly (e.g. by invitation only) or implicitly (high cost of membership or rights dependent upon level of membership).
  - ANSI
  - IEEE
  - OASIS
  - W3C
  - TCG
  - OMA
  - DMTF
  - DLNA
  - PCI

- **Informal**: Operates loosely without formal policies and procedures
Kavi Flexible SaaS

Benefits:
• Lower costs
• No SW licenses
• No hardware
• People costs
• Quality and security
• Continuous improvement
• Reliability
• Flexibility
• Branding
• Customization
• Integration
IT support for standards developers

- The volunteers do the heavy lifting
- A second full time job for chairs and lead contributors
- What can be done to support them?
Making your second life easier today

- Automate the drudgery (comment tracking)
- Empower the decision makers/referees
- Encode policies/procedures into the infrastructure
- Simplify process documentation
- Archive everything
- Aggregate the info - don’t make me look for it
Making your second life easier today

- RSS feeds and email notification
- Personalized view into “My Committees”
- Calendars that sync to desktop
- Integration
Making your second life easier today

- Productivity tools for chairs/secretariat
  - Roster management
  - Comment management
  - Process documentation and audit prep
  - Balloting and voting eligibility
  - Document management
  - Reporting
Future - What to expect

- Collaborative authoring tools
- Better inter-org communication (liaison support)
- “My orgs” - aggregation of all your committees across orgs
- Standardization of tools
- Single sign-on access to a complete suite of tools - the Web Services vision
Questions for the group

• What pain points do you experience that could be addressed with IT?
• How could global collaboration become easier or more effective?
• Is there a tool that you wish you had?
Other Suggestions? Questions?

The world runs on standards

Standard setting organizations run on Kavi

davidw@kavi.com