Open source “versus” standardization in the face of fast changing industry dynamics

Robby Robson
Co-founder, Eduworks Corporation
Chair, IEEE SA Open Source Committee
Initiating the Project

Mobilizing the Working Group

Drafting the Standard

Balloting the Standard

Gaining Final Approval

Maintaining the Standard
STAGES AND RESOURCES FOR STANDARDS DEVELOPMENT

Proposal Stage*

* = obligatory stage

Preparatory stage  Committee stage  Enquiry stage*  Approval stage  Publication stage*
From first proposal to final publication, developing a standard usually takes about 3 years (from ISO web site).

Software moves a lot faster (3 month to one year release cycles).
Open Source
“Whatever industry you’re in, OSSRA data indicates that it’s prudent to assume open source will be part of the software your business builds and uses. As our findings underscore, open source is everywhere, as is the need to properly manage its use.”


2409 Code bases audited
97% contained open source
53% of audited codebases had license conflicts
88% used components that were not the latest version
### IEEE Standards and IEEE SA Open

<table>
<thead>
<tr>
<th><strong>IEEE Standards</strong></th>
<th><strong>IEEE SA Open Source</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Codify practice with technical accuracy</td>
<td>Implement practice quickly and securely</td>
</tr>
<tr>
<td>Grounded in principles of openness, transparency, consensus and inclusion</td>
<td>Grounded in transparency and openness</td>
</tr>
<tr>
<td>Large (and diverse) technical community</td>
<td>Community and consortium based</td>
</tr>
<tr>
<td>Established and trusted governance processes and policies</td>
<td>Documented Governance Models and Processes</td>
</tr>
<tr>
<td>Supported by volunteers and their employers and through sales</td>
<td>Free, consortium, &amp; philanthropic models</td>
</tr>
</tbody>
</table>
IEEE STANDARDS AND IEEE SA OPEN

IEEE Standards Project

IEEE SA Open Project

saopen.ieee.org / opensource.ieee.org
That’s All