



A Look Inside the Java Community Process

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The Java Community Process

- **Defines Java SE, Java EE and Java ME**
- **Open, participatory process**
- **Driven by collaboration, review, consensus and shared intellectual investment in Java**
- **Definitely not just for vendors (it used to be)**
- ***Hundreds of specifications, over a thousand members***
- ***“If I have seen further than others, it is by standing upon the shoulders of giants.” - Isaac Newton***



Who can participate?

- **Absolutely anyone (individual or company)**
- **Anyone can register with jcp.org, become an observer, review specifications and provide feedback**
- **Anyone can sign up to become a JCP Member, join Expert Groups or even create JSRs**
- **The specification lead decides who can be on an EG**
- **Be sure to make your case for what you really bring to the table**
- **Anyone can provide comments at any time**



An Expert Group

- Led by one or more specification leads
- Diversity of opinion and broad consensus are sought
- No limit on how many people can be on an EG, but there is a point of diminishing returns
- Communication is usually through an email alias
- There can be conference calls and face-to-face meetings
- *“Great minds discuss ideas; Average minds discuss events; Small minds discuss people.”* -Eleanor Roosevelt

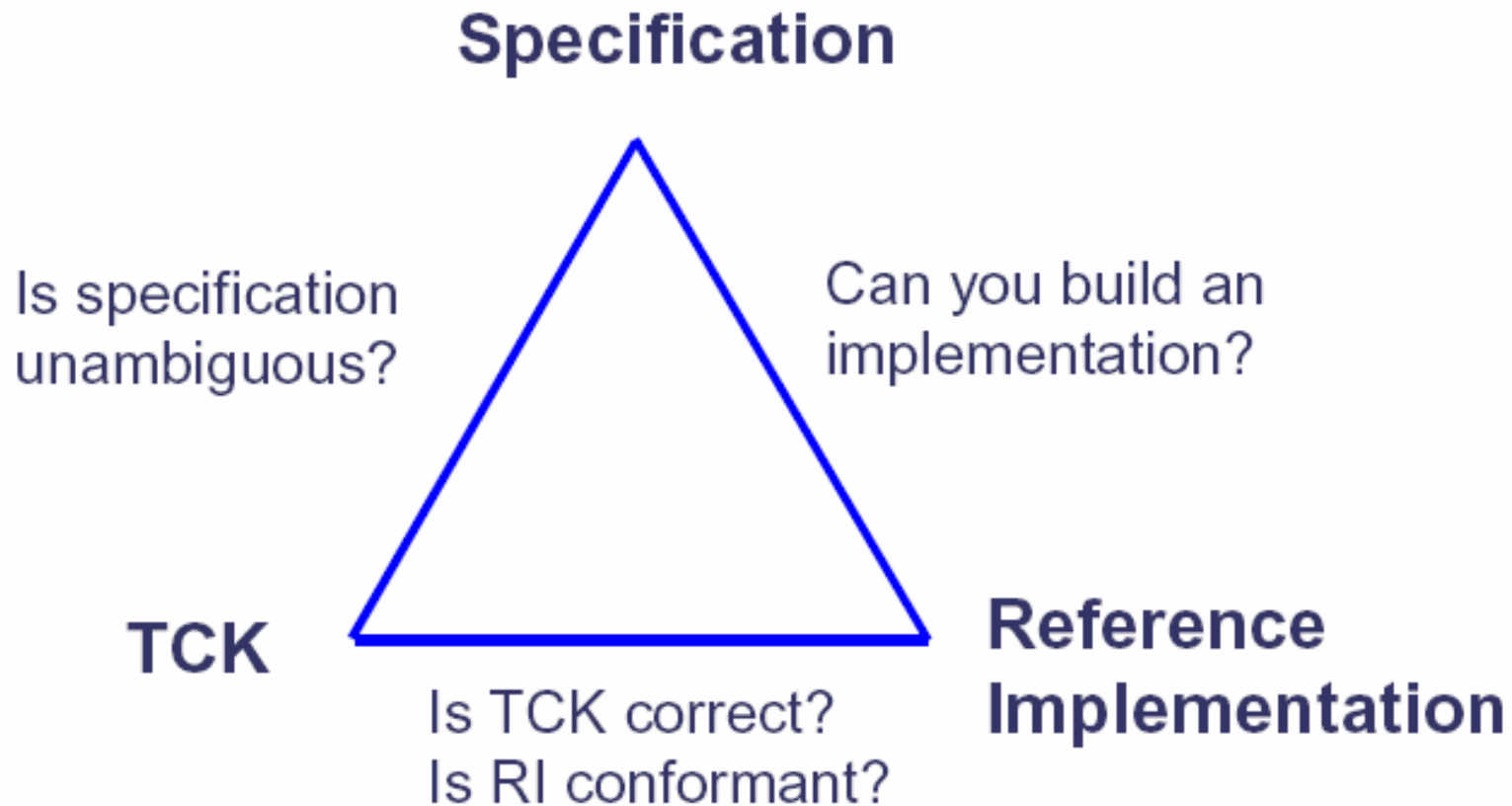


A Specification

- **A specification is formalized in a JSR**
- **A JSR can be created by one or more members**
- **A JSR will have a specification document**
- **Each specification will have a free, open reference implementation**
- **Each specification will have a compatibility test kit (TCK) for independent implementers**
- **Platform JSRs like Java EE and Java SE are “special”**



Specification, RI and TCK Triad



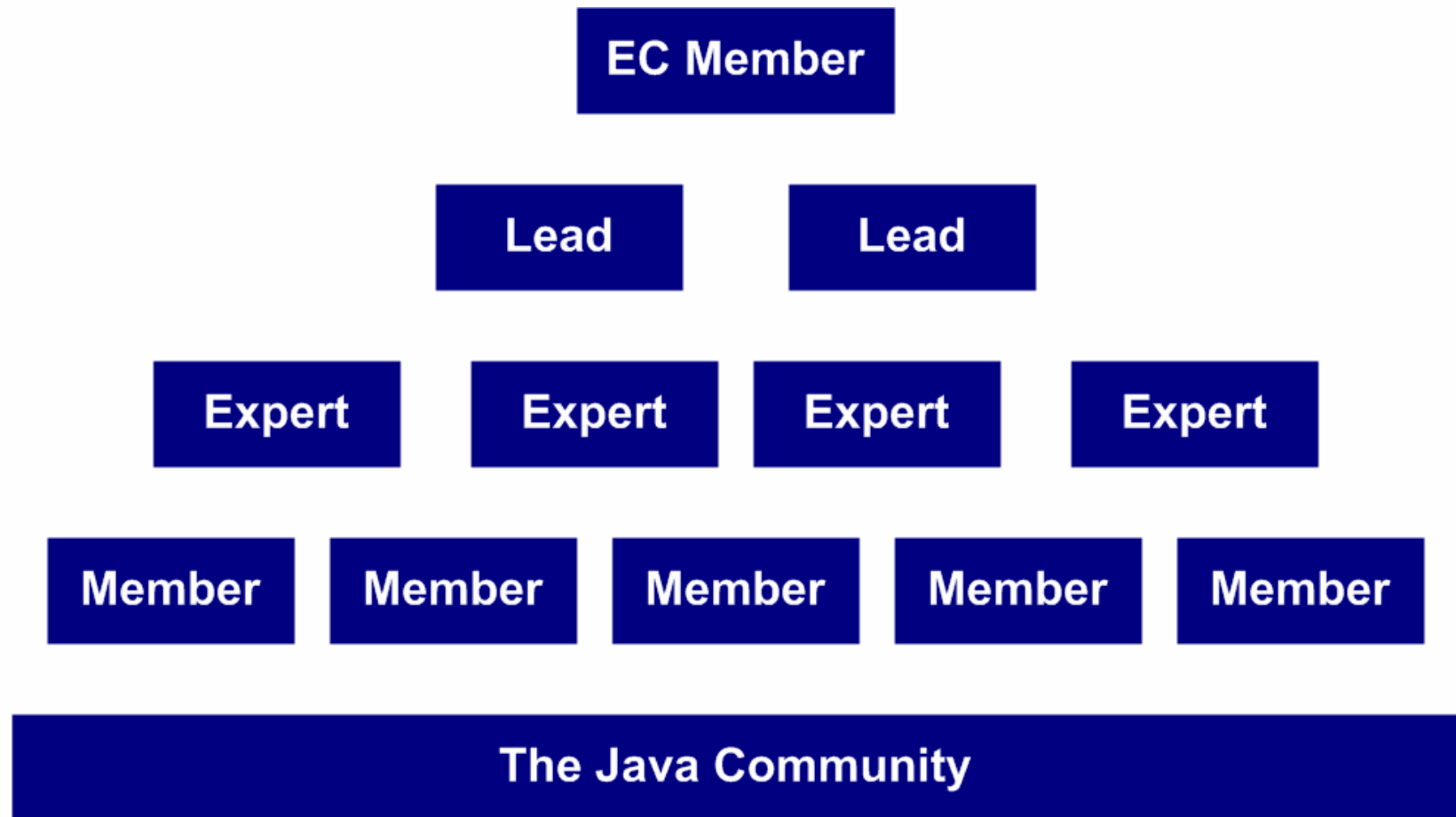


The Executive Committee

- Oversees all JSRs (including platform JSRs)
- There are two – one for SE/EE and one for ME
- Voting members serve 3-year terms
- 10 ratified seats, 5 elected seats, and permanent seat for Oracle/Sun
- Approve JSRs, public review drafts, final specifications, reference implementations and test kits
- Members vote on EC membership

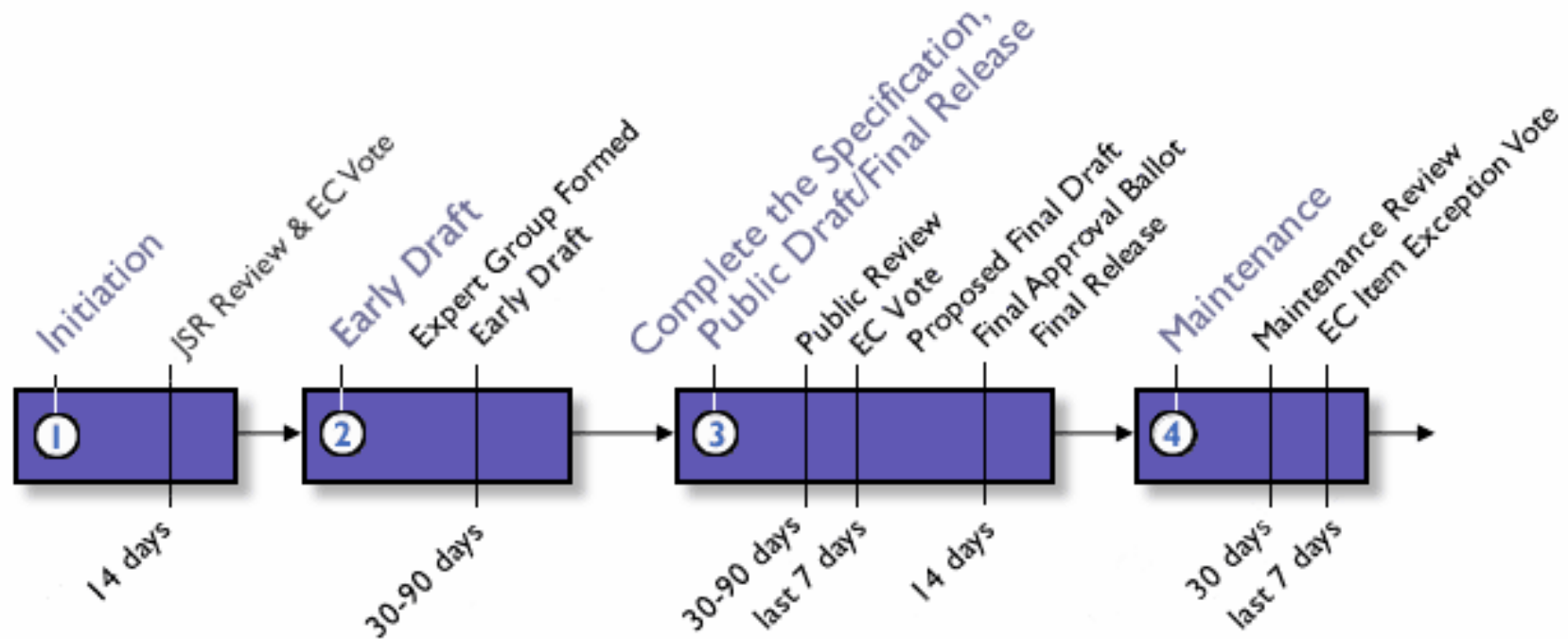


The Ecosystem





The Process





The Future

- **Oracle takes helm from Sun**
- **More openness (some JSRs have already shown the way)?**
- **Licensing issues (mostly with Apache) finally resolved?**
- **Faster pace of development, more independent JSR releases?**
- **More participation from individuals?**
- **IBM continues to stay on-board?**
- **A little less politics (from surprising sources)?**



Summary

- **Plays critical part in shaping Java – our shared investment**
- **Open, participatory, collaborative process**
- **Anyone can participate by voting, observing, reviewing and providing feedback**
- **Any one can become an expert or lead a JSR**
- **Even more open going forward...**
- ***“Science may have found a cure for most evils; but it has found no remedy for the worst of them all -- the apathy of human beings.” – Helen Keller***



References

- **Java Community Process**

- jcp.org

- **List of all JSRs**

- <http://jcp.org/en/jsr/all>

- **JCP Process Document**

- <http://jcp.org/en/procedures/jcp2>

- **JCP FAQ**

- <http://jcp.org/en/introduction/faq>