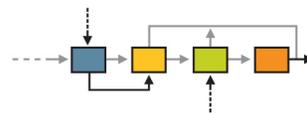# JCP Training: General Session

5 May 2008

JavaOne - San Francisco

Harold Ogle

Community Development of Java Technology Specifications

Overview

What is the JCP?

JCP Versions

Types of Participation

JSR Timeline

Using the site

Q&A

What is the JCP?

JCP stands for "Java Community Process"

- **Home of the international Java developer community working to develop and evolve Java technology specifications, Reference Implementations, and Technology Compatibility Kits**

- **The process by which groups of developers collaborate in Expert Groups to develop these specifications**

- **The web site that provides information on this process and its products (specifications, RIs and TCKs)**

A Brief History of the JCP

- **JCP launched in December 1998 (version 1.0) - JSPA 1, PMO arbitrated JSRs, Sun-owned final copyright**

- **JCP 2.0 rolled out in June 2000 - creation of the Executive Committee**

- **JCP 2.1 revision completed July 2001 - updating the EC voting rules**

- **JCP 2.5 revision completed October 2002 - JSPA 2, Spec Lead owns final copyright**

- **JCP 2.6 revision completed March 2004 - transparency, TCK requirements**

Common Terms/Abbreviations

- **JCP 2.6 (*1.0/2.1*) – version iterations of the process, all are in use**

- **JSR – Java Specification Request**

- **JSPA – Java Specification Participation Agreement**

- **EC – Executive Committee: elected body that votes on all JSRs**

- **RI – Reference Implementation**

- **TCK – Technology Compatibility Kit**
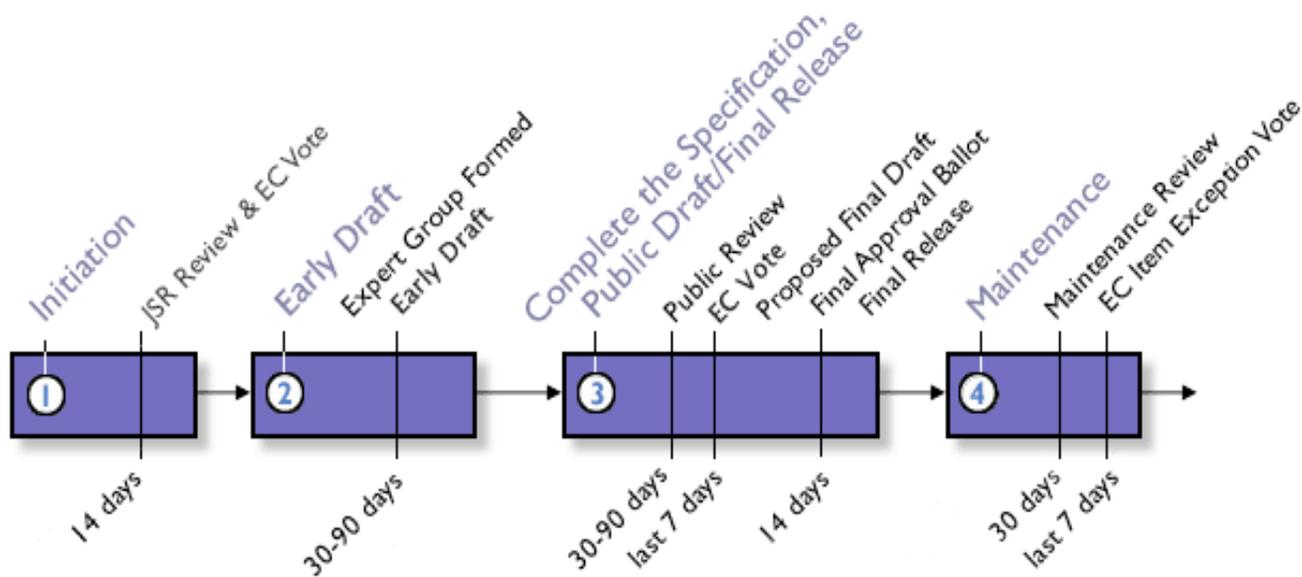
Common Terms/Abbreviations

- **JSR – Java Specification Request**

- **EDR – Early Draft Review (first review in JCP 2.6)**

- **PR – Public Review**

- **PFD – Proposed Final Draft**

- **FAB – Final Approval Ballot**

- **FR – Final Release**

- **MR – Maintenance Review**

- **MREL – Maintenance Release (update to a Final Release)**

Types of Participation

- **Public – can view most of the site, comment on draft specifications**

- **JCP Member – same as public, plus access to Update pages of JSRs, participating in Member events and EC elections, can lead and participate on JSR Expert Groups**

- **Expert on a JSR- a Member representative who collaborates with a group of other developers to create a Java Specification within a JSR**

- **Spec Lead of a JSR – a Member representative who leads the development efforts of an Expert Group, as well as creating and maintaining the RI and TCK**

- **Executive Committee – an elected or ratified Member representative serving a three-year term reviewing and voting on JSRs. There are two ECs: one for Java ME, the other for Java EE and Java SE JSRs.**

JCP: Process Timeline

JCP Timeline - continued

- **JCP Member submits a JSR at initiation**

- **JSR Approval Ballot is held for 14 days – EC votes and public comments**

- **Once approved, Spec Leads forms the Expert Group**

- **As the Expert Group forms, it begins to work on the first, Early Draft of the specification**

- **Early Draft is submitted and posted for Early Draft Review**

- **EG works on next draft, the Public Review Draft**

- **PR is held – EC votes on the last 7 days of the review**

- **EG works on and then submits PFD for posting**

- **Spec Lead finishes the RI and TCK**

JCP Timeline - continued

- **Once EG agrees, Spec Lead submits materials for FAB**

- **FAB is held for 14 days – EC votes on final materials**

- **Once approved, Spec Lead submits FR which is then posted**

- **EG work is finished, but Spec Lead continues in JSR Maintenance**

- **Proposed changes collected in Change Log**

- **Change Log submitted for Maintenance Review – EC votes for last 7 days**

- **Once approved, proposed changes are incorporated into Specification revision**

- **Revised specification is posted as Maintenance Release**

Using jcp.org

Using jcp.org

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Becoming a JCP Member

- **To become a JCP Member, you or your organization must sign the JSPA**

- **Agreements are then signed by Sun and returned to you by fax or post**

- **Most individuals may participate under their own title, separate from their employer. The employer must confirm the individual's participation.**

- **Membership for organizations confers membership rights onto every employee of that organization**

- **Information and instructions on becoming a member are located here: http://jcp.org/en/participation/membership**

Questions & Answers

Thank you!

Java Community Process

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