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JCP 2: Process Document

3
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5 Comments to: pmo@jcp.org
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10 I EXECUTIVE SUMMARY

11 The international Java community develops and evolves Java™ technology specifications using the
12 Java Community Process (JCP). The JCP produces high-quality specifications in "Internet time" using
13 an inclusive, consensus building approach that produces a ~~specification~~Specification, a Reference
14 ~~implementation~~ (to prove the ~~specification~~Specification can be implemented), and a Technology
15 ~~Compatibility Kit~~ (a suite of tests, tools, and documentation that is used to test implementations for
16 compliance with the ~~specification~~Specification).

17 Experience has shown that the best way to produce a technology specification is to gather a group of
18 industry experts who have a deep understanding of the technology in question and then have a strong
19 technical lead work with that group to create a first draft. Consensus around the form and content of
20 the draft is then built using an iterative review process that allows an ever-widening audience to review
21 and comment on the document.

22 This version of the JCP was developed through the JCP by means of JSR ~~XXX~~348, led by Oracle and
23 the combined Executive Committees as the ~~expert group~~Expert Group.

24 An Executive Committee (EC) representing a cross-section of both major stakeholders and other
25 members of the Java community is responsible for approving the passage of
26 ~~specification~~Specifications through ~~key points of~~ the JCP's various stages and for reconciling
27 discrepancies between ~~specification~~Specifications and their associated test suites. There are two ECs:
28 one to oversee the Java technologies for the desktop/server space (with responsibility for the Java
29 SE™ and Java EE™ ~~specification~~Specifications) and the other to oversee the Java technologies for
30 the consumer/embedded space (with responsibility for the Java ME™ ~~specification~~Specification). The
31 EC's are considering merging the two bodies into a single one in the near future, so newly elected EC
32 members should be aware that their terms may vary from what is specified in section 65.4, "EC
33 SELECTION PROCESS AND LENGTH OF TERM"

34 There are ~~five~~four major ~~steps~~ages in this version of the JCP:

- 35 1. **INITIATION:** A ~~specification~~Specification targeted at the desktop/server or
36 consumer/embedded space is initiated by community member(s) and approved for
37 development by the responsible EC.
- 38 2. A group of experts is formed to assist the Spec Lead with the development of the Specification.
- 39 3. **EARLY DRAFT RELEASES:** The Expert Group develops the Specification through an iterative
40 process, releasing drafts for public review and comment. After the formal Public Review the EC
41 votes on whether the JSR should proceed to the Final Release stage. ~~proceed to the Final~~
42 ~~Release stage.~~ Review. The EG revises the document on the basis of feedback received from
43 the public. At the end of the review period the EC votes on whether the JSR should ~~The Expert~~
44 ~~Group submits a draft of the specification to the PMO, who publish it for public~~ The draft goes
45 out again for review by the public. The expert group uses the feedback to further revise the
46 document. At the end of this review, the EC decides if the draft should proceed. If approved by
47 the EC, the leader of the expert group sees that the reference implementation and its
48 associated technology compatibility kit are completed before sending the specification to the
49 responsible EC for final approval.
- 50 4. **PUBLIC DRAFT:** ~~The expert group uses feedback from the review to revise and refine the~~
51 ~~draft. the draft and comment on, review~~ then can ~~then review. Anyone with an Internet~~
52 ~~connection the community and the public Members, both~~ A group of experts is formed to
53 develop a preliminary draft of the specification that

- 54 | 5. **FINAL RELEASE:** The Spec Lead ~~finalizes~~ submits the Specification ~~and submits it to~~ the PMO
55 | for publication as the Proposed Final Draft. When the RI and TCK are completed, and the the
56 | RI passes the TCK, all three deliverables are submitted to the PMO, who circulate them to the
57 | responsible EC for final approval.
- 58 | 6. **MAINTENANCE:** The ~~completed specification~~ Specification, ~~r~~Reference ~~i~~Implementation, and
59 | ~~t~~Technology ~~e~~Compatibility ~~k~~Kit are updated in response to ongoing requests for clarification,
60 | interpretation, enhancements, and revisions. The responsible EC ~~can reviews~~ all proposed
61 | changes to the ~~specification~~ Specification and indicates which ~~ones~~ can be carried out
62 | immediately and which will require the ~~specification changes~~ to be ~~revised by an expert group.~~
63 | ~~Challenges to one or more tests in a specification's technology compatibility kit are ultimately~~
64 | ~~decided by the responsible EC if they cannot be otherwise resolved. implemented in a new~~
65 | JSR.

66 | II **FUNDAMENTAL** ~~GENERAL~~ DEFINITIONS

67 | **Appeal Ballot:** The EC ballot to override a first-level decision on a TCK test challenge.

69 | **Change Log:** And area accessible from the JSR Page that lists all changes made to the
70 | Specification, RI, TCK, and licenses since the previous release. A Change Log has six
71 | sections: PROPOSED (changes not yet made to the Specification), ACCEPTED (changes
72 | made to the Specification), DEFERRED (changes to be considered in a new JSR), RI
73 | (changes made to the RI), TCK (changes made to the TCK) and LICENSING (changes to
74 | the licensing terms).

76 | **Dormant Specification (Dormant):** A Specification that does not have an identified
77 | Maintenance Lead. All Specifications become Dormant at the end of their life cycles.

78 | **Early Draft Review:** A 30 to 90 day period during which the public reviews and comments
79 | on the draft Specification.

80 | **Elected Seat:** An EC seat filled by the election process described in section 5.3.4.

81 | **Executive Committee (EC):** The Members who guide the evolution of the Java
82 | technologies. The EC represents a cross-section of both major stakeholders and
83 | other Members of the Java Community. EC members are appointed in an annual
84 | election process. ~~Members must have signed the EC acceptance letter in order to serve~~
85 | ~~on the EC. The EC Policies and Procedures are in Section 5. The EC Standing Rules~~
86 | ~~are found in,~~ which is ~~a~~ separate document.

87 | **Expert:** A Member or Member Representative who has expert knowledge and is an active
88 | practitioner in the technology covered by the JSR.

89 | **Expert Group (EG):** The group of Experts who develop or make significant revisions to a
90 | Specification.

92 | **Final Approval Ballot:** The 14-day EC ballot to approve the Final Draft along with its

associated RI and TCK.

Final Approval Reconsideration Ballot: The 14-day EC ballot to reconsider an initial rejection of a Final Draft, RI, and TCK.

Final Draft: The final draft of the Specification that will be put forward for EC approval.

Final Release: The final stage in the JSR development process when the Specification, RI, and TCK have been completed and can be licensed by implementors.

First-Level TCK Appeals Process: The process defined by the Spec Lead that allows implementers of the Specification to appeal one or more tests defined by the Specification's TCK.

Item Exception Ballot: The EC ballot to determine whether or not to include specific change items in a Maintenance Release.


Java Community Process (JCP): The formal process described in this document for developing or revising Java technology ~~specification~~ Specifications.

Java Community Process Member (Member): A company, organization, or individual that has signed the JSPA and is abiding by its terms.

Java Specification (Specification): A written specification for some aspect of the Java technology. This includes the language, virtual machine, Platform Editions, Profiles, and application programming interfaces.


Java Specification Request (JSR): The document submitted to the PMO by one or more Members to propose the development of a new Specification or significant revision to an existing Specification.

Java Specification Participation Agreement (JSPA): A one-year renewable agreement between Oracle America and a company, organization or individual that allows the latter entities to participate in the Java Community Process.

JCP Web Site: The web site where anyone ~~with an Internet connection~~  stay informed about JCP activities, download draft and final Specifications, and follow the progress of Specifications through the JCP.


JSR Approval Ballot: The EC ballot to determine if the JSR should be approved.

JSR Reconsideration Ballot: The EC ballot to determine if a revised JSR should be approved.

JCP Specification Page (Spec Page) JSR Page: Each JSR ~~Specification~~ approved for development or revision will have a ~~has a~~ dedicated public web page established on the JCP Web Site ~~where to contain~~  the JSR's history of the passage of the Specification through the JCP, ~~is recorded~~ ~~including a record of the decisions, actions, and votes taken by the EC with respect to the draft Specification.~~ ~~and where all relevant information about the JSR is published.~~

129 | **JSR Renewal Ballot:** An EC ballot to confirm that a JSR should continue in its work.

130 | **JSR Renewal Reconsideration Ballot:** An EC ballot to determine if a revised JSR should
131 | continue its work.

132 | **JSR Review:** A 4 week period during which the public  review and comment on a new
133 | JSR.

134 | **Maintenance Lead (ML):** The Expert responsible for maintaining the Specification.

135 | **Maintenance Release:** The final stage in the JSR maintenance process when the
136 | Specification, RI, and TCK have been updated and can be licensed by implementors.

137 | **Maintenance Review:** A period of at least 30 days prior to finalization of a Maintenance
138 | Release when Members and the public consider and comment on the change items listed
139 | in the PROPOSED section of the Change Log.

140 | **Maintenance Review Ballot:** An EC ballot to determine whether the changes proposed by
141 | a Maintenance Lead are appropriate for a Maintenance Release.

142 | **Member Representative:** An employee of a Member company or an associate of a
143 | Member organization who has been approved by the Member to represent it within the
144 | JCP.

145 | **Platform Edition Specification (Platform Edition):** A Specification that defines a
146 | **baseline API set that provides a foundation upon which applications, other APIs,**
147 | **and Profiles can be built. There are currently three Platform Edition Specifications:**
148 | **Java SE, Java EE, and Java ME.**

149 | **Profile Specification (Profile):** A Specification that references one of the Platform
150 | **Edition Specifications and zero or more other JCP Specifications (that are not**
151 | **already a part of a Platform Edition Specification). APIs from the referenced Platform**
152 | **Edition must be included according to the referencing rules set out in that Platform**
153 | **Edition Specification. Other referenced ~~specification~~ Specifications must be referenced**
154 | **in their entirety.**

155 | **Program Management Office (PMO):** The group within Oracle America that is
156 | **responsible for administering the JCP and chairing the EC.**

157 | **Proposed Final Draft:** The version of the draft Specification that will be used as the basis
158 | for the RI and TCK.

159 | **Public Draft Specification Approval Ballot :** The EC ballot to determine if a draft should
160 | proceed after Public Review.

161 | **Public Draft Specification Reconsideration Ballot :** The EC ballot to determine if a
162 | revised draft should proceed after Public Review.

163 | **Public Review:** A 30 to 90 day period when the public can review and comment on the
164 | draft Specification.

Ratified Seat: An EC seat filled by the ratification process described in section 5.3.3.

Reference Implementation (RI): The prototype or "proof of concept" implementation of a Specification.

Specification Lead (Spec Lead): The Expert responsible for leading the effort to develop or make significant revisions to a Specification and for completing the associated Reference Implementation and Technology Compatibility Kit. A Spec Lead (or the Spec Lead's host company or organization) must be a Java Community Process Member.

Spec Lead Member: The individual JCP member who is a Spec Lead, or otherwise the company or organization that employs, and is represented by, the Spec Lead.

Technology Compatibility Kit (TCK): The suite of tests, tools, and documentation that allows an organization to determine if its implementation is compliant with the Specification.

Transfer Ballot: The EC ballot to approve transfer of ownership of a Specification, RI, and TCK from one Member to another Member.¹

Umbrella Java Specification Request (UJSR): A JSR that defines or revises a Platform Edition or Profile Specification. A UJSR proceeds through the JCP like any other JSR.

The use of the term "day" or "days" in this document refers to calendar days unless otherwise specified.

III THE JAVA COMMUNITY PROCESS SM PROGRAM

0. GENERAL PROCEDURES

0.0 EXPERT GROUP TRANSPARENCY

Each Expert Group is free to use the working style that it finds most productive and appropriate, so long as this is compatible with the requirements specified in this document. For example, EGs may choose to operate by seeking consensus or by voting on issues where there is disagreement.

As specified below, Expert Groups must operate in a transparent manner, enabling the public to observe their deliberations and to provide feedback. All feedback ~~which~~ must be taken into consideration, and ~~to which~~ public responses must be provided. In the initial JSR submission the Spec Lead must specify the transparency mechanisms (for example, the mailing lists and issue trackers) that the Expert Group intends to adopt, and must provide the URLs for accessing the chosen collaboration tools. The PMO will publish this information on the public JSR Page. The Spec Lead must also provide a pointer to any Terms of Use required to use the collaboration tools so that the EC and prospective EG members can judge whether they are compatible with the JSPA.

If the EG changes its collaboration tools during the life of the JSR these changes must be reported to the PMO, who will update the relevant information on the JSR Page. Any such changes must ensure that previously-published information is incorporated into the new tools. When voting to approve a

¹ Transfer of ownership does not mean transfer of IP rights, only transfer of the right to start again. The new Spec Lead can, however, negotiate a transfer of IP with the old Spec Lead.

200 JSR's transition to the next stage EC members are expected to take into consideration the extent to
201 which the Spec Lead is meeting the transparency requirements.

202 Spec Leads should be aware of their obligations under the JSPA to license the output of their JSR on
203 Fair, Reasonable, and Non Discriminatory terms, and to make certain patent grants. Incorporating
204 feedback provided through public email aliases or forums without ensuring that the provider has
205 signed the JSPA or an equivalent Contribution Agreement may ~~violate~~ make it impossible to meet
206 these requirements ~~and/or may thereby~~ expose the Spec Lead to legal liability.

207 The use of *Confidential materials* (as defined in the JSPA) by Expert Groups limits transparency, is
208 strongly discouraged, and will be prohibited in a future version of the Process. If the Spec Lead
209 intends to permit the use of *Confidential materials* (such as emails, drafts or submissions marked as
210 *Confidential*), this must be specified in the initial Java Specification Request. Expert Groups may also
211 choose to keep information private by means other than marking it as Confidential (for example, by not
212 publishing it on a publicly available site).²

213 0.0.1 Mailing Lists

214 All substantive business must be carried out on ~~a~~ official public mailing lists designated by the Spec
215 Lead. The purpose of ~~the official mailing lists~~ is to keep observers aware of important issues and,
216 ~~therefore,~~ minor administrative issues that distract from substantive business should therefore be kept
217 private. ~~The expert~~ A group private mailing list should be used for minor administrative matters.
218 Significant business includes, for example, ~~(a)~~ eliminating or adding new features to the JSR, ~~(b)~~
219 changes to the membership of the ~~expert group~~ Expert Group, ~~(c)~~ modifications to ~~changes to the~~
220 reference implementation or the TCK, ~~(d)~~ changes to the TCK, ~~(e)~~ publication of the agenda, ~~and (f)~~
221 and on-going debate about JSR specifics. Non-substantive administrative matters such as ~~(a) back-~~
222 ~~and forth details~~ notifications of meeting schedules, ~~(b)~~ messages directing ~~expert group~~ Expert Group
223 members to particular documents or URLs, and ~~(c)~~ reminders about voting or task assignments should
224 be excluded from the ~~official~~ public mailing lists.

225 If the ~~official EG~~ public mailing list is writable only by ~~the~~ Expert Group members ~~only~~, the ~~Expert~~
226 ~~Group~~ EG must also provide a publicly readable and writable email list, ~~or a forum,~~ to enable ~~for~~
227 feedback and comments from the public.

228 0.0.2 Issue Tracking

229 Issues must be tracked through a publicly ~~view~~ readable issue tracking mechanism. A formalized issue
230 tracking mechanism will help to ensure that all issues raised by the Java community are documented
231 and responded to before the JSR moves to the next stage. ~~The specific issue tracking mechanism will~~
232 ~~be proposed as part of the Working Group Style by the specific expert group prior to the JSR~~
233 ~~Specification Review process. The main JSR page will explicitly describe the issue tracking~~
234 ~~mechanism including the URL for all issues. The issue tracking mechanism can be changed through a~~
235 ~~majority vote of the expert group as long as all issues are incorporated into the new system.~~

236 0.0.3 Comments-Response to Comments

237 Expert Groups must respond publicly ~~respond~~ ~~yleilb~~ up to all comments before ~~Ja~~ JSRs can move to
238 the next stage. All comments regarding a JSR deserve a well-crafted response. Expert groups should
239 review responses prior to release to ensure that the response addresses the specific comment.
240 Responses to similar comments can be consolidated. ~~Comments that are substantively the same as~~
241 ~~previously responded to comments (duplicate comments) can be answered through reference to the~~
242 ~~previous comment.~~ Comments that are off-topic do not require a ~~comment~~ response but should be
243 denoted as such. The ~~e~~ Executive ~~e~~ Committee reserves the right to require that a comment deemed by

2 ² The EC intends to remove the Confidentiality language from the next version of the JSPA.

244 | the Expert Group as off-topic be addressed prior to d before the JSR review. moves to the next
245 | stage.

246 | **0.0.4 Changes to Licensing Terms Changes**

247 | If the licensing terms for a JSR change substantially from one release to the next, the changes must
248 | be explicitly listed explicitly and explained. Such Changes to the licensing terms must be disclosed
249 | during JSR submission (in the case of a new JSR) or in the Change Log for Maintenance Releases.
250 | Subsequent Additional changes to licensing terms during the life of the JSR must be disclosed when
251 | the Specification is next submitted to the PMO for public posting or review.

252 | Existing licensees who not wish to accept a modified license when required to adopt a newer TCK will
253 | have the option to accept the updated TCK under the previous licensing terms.

254 | **0.1 EXPERT GROUP MEMBERSHIP**

255 | **0.1.1 WITHDRAWAL OF AN EXPERT FROM THE EXPERT GROUP**

256 | An Expert may withdraw from the Expert Group at any time. When this happens, the Spec Lead
257 | should approach the Member who originally contributed the Expert and work with that organization to
258 | find a replacement. If no replacement is offered, the Spec Lead may recruit a replacement from
259 | another Member. If the departing Expert is the Spec Lead, the Expert Group should choose one of its
260 | members as the new Spec Lead.



261 | **0.1.2 DISRUPTIVE, UNCOOPERATIVE OR UNRESPONSIVE EXPERT GROUP MEMBERS**




262 | There may be rare instances when members of the Expert Group feel that one of their fellow Experts
263 | is not acting in ways that advance the work of the Expert Group, and is being disruptive,
264 | uncooperative or unresponsive. EG members are expected to make a reasonable effort to resolve any
265 | such issues among themselves, with the active help of the Spec Lead. However, if the situation cannot
266 | be resolved in a timely manner, any three members of the EG can approach the Spec Lead and
267 | request that the EG member in question be excluded from further participation in the EG. If the Spec
268 | Lead agrees to the request he can then do so. In the case where the EG Member in question is an
269 | ~~Associate Member~~ Member Representative, the Spec Lead must first request that the Member replace
270 | its representative. If the Member does not do so in a timely manner, the Spec Lead can exclude the
271 | Member itself from further EG participation. The Spec Lead's decision as to whether or not to exclude
272 | can be appealed to the EC by following the process outlined in Section 0.26, "Escalation and Appeals"

273 | **0.1.3 UNRESPONSIVE OR INACTIVE SPEC LEAD**

274 | There may be rare instances when members of the Expert Group feel that the Spec Lead is not acting
275 | in ways that advance the work of the Expert Group and is being unresponsive or inactive. These
276 | concerns should be brought to the attention of the EC as quickly as possible so they may be
277 | proactively addressed and resolved. The EC is expected to make a reasonable effort to resolve any
278 | such issues in a timely manner. However, if the situation cannot be resolved in a timely manner, any
279 | three members of the EG may request the EC to replace the Spec Lead for cause (which should be
280 | made clear and documented to the EC). If the EC agrees that there is cause, it may ask the PMO to
281 | replace the Spec Lead. In the case where the Spec Lead is an ~~Associate Member~~ Member
282 | Representative the PMO should ask the Member to replace the Spec Lead, or it may seek to put in
283 | place an alternative Spec Lead, in which case the EC must conduct a transfer ballot as specified in
284 | section 5.1.2 of this document. If no Spec Lead replacement can be found, the EC may disband the
285 | Expert Group.

286 0.2 JSR DEADLINES

287 If a JSR does not begin Early Draft Review within the first 12 months following the completion of its
288 initial JSR Approval Ballot (JSR Approval), or does not begin Public Review within 2 years of JSR
289 Approval, or has not achieved Final Release within 3 years of JSR Approval, then a majority of the EC
290 may initiate a JSR Renewal Ballot. The PMO will inform the Spec Lead and Expert Group of the is
291 ~~decision of the EC to hold this ballot~~ and will request ~~that t~~the Spec Lead and Expert Group to prepare
292 a public statement to the EC.  The JSR Renewal Ballot will start 30 days after the request. If the JSR
293 Renewal Ballot is approved  by the EC, then another renewal ballot cannot be initiated for that JSR for
294 an additional year.

295 If the JSR Renewal Ballot fails, the Expert Group will have 30 days to update the JSR in response to
296 the concerns raised by the EC, and may submit a revised version to the PMO. If a revised JSR is not
297 received  by the end of the 30 days, the original decision by the EC will stand and the JSR will be
298 closed.  A revision is received, then the PMO will forward it to the EC and initiate a JSR Renewal
299 Reconsideration Ballot. At the close of balloting, all comments submitted by EC members, together
300 with their ballots will be circulated to the Expert Group by the PMO. If this ballot fails, the JSR will be
301 closed and the Expert Group will disband. If the JSR was a revision to an existing Specification, 
302 Spec Lead will resume the role of Maintenance Lead of the current Specification (see section 5).

303 0.3 COMPATIBILITY TESTING

304 The Spec Lead is responsible for defining the process whereby the TCK is used to certify
305 implementations of the JSR as compatible. The Spec Lead must submit to the PMO at least quarterly,
306 and at every Maintenance Release, a list of all implementations that have been certified as compatible
307 and that have been released publicly or commercially. The PMO will publish this information on the
308 JCP website. If the Spec Lead submits the information in the form of a pointer to an already published
309 list the PMO may choose simply to reference that list rather than duplicate it.


310 TCK license terms must permit implementors to discuss detailed TCK test results with their customers. 

311 0.4 EXECUTIVE COMMITTEE DUTIES


312 0.4.1 Transparency

313 All substantive Executive Committee business should be conducted in the most transparent manner
314 possible. EC transparency requirements are specified in a separate document, <name of standing
315 rules document>.

316 0.4.2 Draft Reviews

317 During Draft Review periods EC members are strongly encouraged to have one or more technical
318 members of their organizations review the draft in order to uncover possible duplication of features or
319 services between the draft and other Specifications. EC members should inform the Expert Group of
320 any such discoveries using the feedback mechanism specified by the Spec Lead. EC feedback is
321 particularly important to the Expert Group , and EC members are encouraged not to wait until ballot
322 periods to raise concerns and issues.

323 0.5 PMO RESPONSE TIMES

324 Materials to be posted on the JCP website for review, comment, or any other official EG or EC
325 business should be submitted to the PMO, which will post them on  the website and announce their
326 availability to Members and the public within seven days of receipt.

327 | 0.6 **ESCALATION AND APPEALS**

328 | ~~Unless otherwise specified in this document, any one EG member can initiate an appeal to the EC~~
329 | ~~regarding a decision, an action or inaction by the PMO, a Spec Lead, or a Maintenance Lead that~~
330 | ~~affects EG participation or issue-resolution and which cannot be resolved by other reasonable means.~~
331 | ~~Such appeal shall be~~ An appeal must be initiated by sending an email message to the PMO
332 | (pmo@jcp.org) in all cases, even if it affects the PMO. The message must describe the issue under
333 | appeal clearly and concisely, with a short and relevant Subject: line, and provide all relevant
334 | documentation ~~into support of the appeal, either by copy or by reference.~~ The PMO shall transmit the
335 | message to the EC no later than seven days of receipt. The EC shall then respond to the appellant
336 | within 30 days, either with a resolution or with a request for clarification and/or further documentation.-

337 | 0.7 **TURNAROUND TIMES**

338 | ~~Materials to be posted on the JCP website for review, comment, or any other official EG or EC~~
339 | ~~business should be submitted to the PMO, which will post them on the website and announce their~~
340 | ~~availability to Members and the public within seven days of receipt.~~

342 | 1. **INITIATE A NEW OR REVISED SPECIFICATION**

343 | 1.0 **DEFINITIONS**

344 | ~~**Expert:** A Member representative who has expert knowledge and is an active practitioner in the~~
345 | ~~technology covered by the JSR.-~~

346 | ~~**Expert Group representative (EG):** The group of Experts who develop or make significant~~
347 | ~~revisions to a Specification.-~~

348 | ~~**Java Specification Request (JSR):** The document submitted to the PMO by one or more~~
349 | ~~Members to propose the development of a new Specification or significant revision to an~~
350 | ~~existing Specification.-~~

351 | ~~**JSR Approval Ballot:** The EC ballot to determine if the JSR should be approved.-~~

352 | ~~**JSR Reconsideration Ballot:** The EC ballot to determine if a revised JSR should be approved.-~~

353 | ~~**JSR Review:** A 4 week period when anyone with an internet connection can review and~~
354 | ~~comment on a new JSR.-~~

355 | ~~**Specification Lead (Spec Lead):** The Expert responsible for leading the effort to develop~~
356 | ~~or make significant revisions to a Specification and for completing the associated~~
357 | ~~Reference Implementation and Technology Compatibility Kit. A Spec Lead (or the Spec~~
358 | ~~Lead's host company or organization) must be a Java Community Process Member.-~~


359 | ~~**Spec Lead Member:** The individual JCP member who is a Spec Lead, or otherwise the~~
360 | ~~company or organization that employs, and is represented by, the Spec Lead.-~~

361 | ~~**Umbrella Java Specification Request (UJSR):** A JSR that defines or revises a Platform Edition~~
362 | ~~or Profile Specification. A UJSR proceeds through the JCP like any other JSR.-~~



363 1.1 INITIATE A JAVA SPECIFICATION REQUEST

364 One or more Members can initiate a request to develop a new Specification, or carry out a significant
365 revision to an existing one, by sending a JSR to the PMO. The JSR must use the template available at
366 the JCP Web Site. Any JSR under consideration can be withdrawn by its submitter(s) without
367 explanation at any time prior to the completion of the JSR approval vote (see section 1.3) upon
368 request by the submitter(s) to the PMO.

369 The following is some of the information required to be included with each JSR:

- 370 • the Members making the request (the submitters), ~~at the proposed~~ Specification  Lead, and the
371 initial members of the Expert Group.
- 372 • a description of the proposed ~~specification~~ Specification.
- 373 • the reason(s) for developing or revising it.
- 374 • the primary Platform Edition, as well as any consideration given to other Platform Editions.
- 375 • an estimated development schedule.
- 376 • any preexisting documents, technology descriptions, or implementations that might be used as
377 a starting point.
- 378 • a transparency plan, which outlines the tools and techniques that the Spec Lead will use,
379 during the creation and development of the ~~specification~~ Specification, and for communicating
380 the progress within the Expert Group to Community Members, EC Members and the public.
381 The EC will expect the Spec Lead to operate the JSR in accordance with this plan.

382 1.1.1 REVISE EXISTING SPECIFICATIONS

383 Existing Specifications, ~~along together~~ with their associated RIs and TCKs, are maintained by a
384 designated Maintenance Lead using the processes described in section ~~454~~ of this document.
385 Maintenance Lead Members are expected to assume long term ownership of the Specification, RI,
386 and TCK while respecting the wishes of the Java Community Members with regard to evolution. ~~(and~~
387 ~~their host companies or organizations)~~  ~~are expected to assume long term ownership of their~~
388 ~~Specifications, RIs, and TCKs with due respect of the will of the Java Community Members with~~
389 ~~regard to evolution. This means that~~  Maintenance Leads will ~~automatically~~ therefore be the Spec
390 Leads for all significant revisions to their Specifications, ~~going forward~~ but they will not have the
391 exclusive right to decide when a significant revision will take place. That will be decided by the EC in
392 response to a revision JSR that can be initiated by any Java Community Member ~~(or Members)~~. ~~The~~
393 ~~only provision is that the s~~ Submitter(s) should make a reasonable effort to get some of the members
394 of the previous Expert Group to join the revision effort.

395 1.1.2 PROTECT THE INSTALLED BASE AND GUARD AGAINST FRAGMENTATION

396 Changes to the Java programming language, the Java virtual machine (JVM), the Java Native
397 Interface (JNI), packages in the "java.*" space, or other packages delivered as part of Java SE, have
398 the potential to seriously disrupt the installed base if carried out inconsistently across the Platform
399 Editions. In order to protect the installed base, any such changes can only be accepted and carried
400 out within a UJSR for Java SE.

401 In order to guard against fragmentation, new Platform Edition Specifications will not substantially
402 duplicate existing Platform Editions or Profiles.

403 1.1.3 PROFILES AND API SPECIFICATIONS TARGET CURRENT PLATFORM EDITIONS

404 All new or revised Specifications must be compatible with the most recent versions of the targeted
405 Platform Edition Specifications. In order to achieve this, all UJSRs to define new Profile Specifications
406 or revise existing Profile Specifications must reference the latest version of the Platform Edition

407 Specification they are based upon.

408 **1.1.4 PLATFORM INCLUSION CONTINUED AVAILABILITY**

409 The technology that a JSR defines can be delivered as part of a Profile or Platform Edition, it can be
410 delivered stand-alone, or both. ~~Future versions of the technology may be integrated into a Profile or a~~
411 ~~Platform Edition while previous versions were not.~~ The submitter of a JSR will be required, via the JSR
412 submission form requires the submitter, to indicate state whether if it is the submitter's goal to deliver
413 ~~the JSR's RI and TCK should be delivered~~ as part of a Profile or Platform Edition, in stand-alone
414 manner, or both. The final decision whether a specific JSR is included in a Profile or a Platform Edition
415 is made by the Spec Lead and Expert Group of that Platform Edition JSR or Profile JSR, and
416 confirmed by the EC ballots on those JSRs. If the Platform Edition or Profile JSR turns down the
417 request for inclusion, then the JSR for the API will be required to deliver a stand-alone RI and TCK.

418 Tehnologies may be incorporated into a Profile or Platform Edition after having been initially delivered
419 standalone. A JSR for a new version of an API that proposes to become part of a Profile or Platform
420 Edition and is considering discontinuing stand-alone availability must state the rationale for this
421 change. The public must be informed of the intention to discontinue the availability of the standalone
422 RI and TCK one release in advance.~~When delivering the JSR's RI and TCK integrated into a Profile or~~
423 ~~Platform Edition and not delivering these separately and where the RI and TCK of previous versions~~
424 ~~were available separately, the submitter must state the rationale. Also in this case the JSR Review~~
425 ~~(see section 1.2) will be 4 weeks instead of 14 days.~~

426 ~~A JSR for a new version of an API that proposes to become part of a Profile or Platform Edition and is~~
427 ~~considering discontinuing stand-alone availability where the previous JSR for this API did not indicate~~
428 ~~this plan, must make that proposal to discontinue stand-alone availability one version ahead.~~

429 **1.1.5 PLATFORM INCLUSION**

430 ~~JSRs that want to be considered to be included in the definition of a Platform Edition or a Profile~~
431 ~~should describe this intent in the JSR's submission. The final decision whether a specific JSR is~~
432 ~~included in a Profile or a Platform Edition is made by the Spec Lead and Expert Group of that Platform~~
433 ~~Edition JSR or Profile JSR, and confirmed by the EC ballots on those JSRs. If the Platform Edition or~~
434 ~~Profile JSR turns down the request for inclusion, then the JSR for the API will be required to deliver a~~
435 ~~stand-alone RI and TCK.~~

436 **1.2 JSR REVIEW**

437 **1.3 definition - JSR Page: Each initiated JSR will be published on a public** 438 **area of the JCP Web Site.**

439 When a JSR is received, the PMO will give it a tracking number, assign the JSR to the appropriate EC
440 (or to both ECs if so requested by the submitter), create its JSR Page, announce the proposed JSR to
441 the public, and begin JSR Review. Comments on the JSR should be sent to the JSR's public feedback
442 alias email address listed on the JSR Page. Comments will be forwarded to the EC for its
443 consideration and will be ~~.All comments received will be~~ made available from the JSR Page (similar
444 comments may be consolidated.) ~~and forwarded to the EC for its consideration.~~ Members who are
445 interested in joining the Expert Group (should the JSR be approved) should identify themselves by
446 submitting a nomination form to the PMO.

1.3.1 ~~EARLY WARNING AND FEEDBACK ON~~ DISCLOSURE OF LICENSING TERMS FOR THE RI AND TCK

The Spec Lead's ~~company or organization~~ Member is responsible for developing the Reference Implementation (~~RI~~) and Technology Compatibility Kit (~~TCK~~) and for licensing them its licensing as described in the JSPA ~~under terms compatible with the licensing guidelines established for use within the JCP.~~ The Spec Lead Member will must provide the EC with the terms complete copies of the proposed RI and TCK licenses ~~under which the RI and TCK will be licensed~~ no later than the start of JSR Review. ~~The Spec Lead Member must provide complete copies of the licenses that they intend to use, not simply a summary of some of the terms. The licenses must be offered in perpetuity.~~ licenses will be published ~~for public access with links on the public JSR page.~~ shall provide both the revised licenses and the reasons for the changes to the EC. ~~Member subsequently determines that circumstances require a change to one or more of the licenses it provided, the Spec Lead Member If the Spec Lead EC members will should~~ provide feedback on the terms as an indication of how the community as a whole might react ~~as a whole~~ to the terms. ~~Existing licensees who not wish to accept the modified license when required to adopt a newer TCK will have the option to accept the updated TCK under the previous licensing terms. If the EC consensus is that the proposed licensing terms are not compatible with the licensing guidelines established for use within the JCP, then balloting on the proposed JSR will be delayed until Oracle legal provides an opinion on the matter. The opinion of Oracle legal will be the final decision on the matter.~~ If the EC consensus is that the proposed revised terms are not compatible with the licensing guidelines established for use within the JCP, then balloting on the proposed JSR will be delayed until Oracle legal provides an opinion on the matter. The opinion of Oracle legal will be the final decision on the matter. ~~the JCP Web site JSR Page Spec Page~~

~~If Expert Group members are required to enter into an agreement (other than the JSPA) for access to Expert Group infrastructure (such as Expert Group mail lists, document or code repositories, etc.), the Spec Lead must include references to the licenses for use of these services in the Java Specification Request. Since hosting services may impose licensing requirements on Expert Group members, this information may be considered by the EC during the JSR Approval Ballot. If the Expert Group switches to a different hosting service after the JSR Approval Ballot, the Spec Lead must obtain EC approval and update the public~~

1.4 JSR APPROVAL BALLOT


After the JSR Review, EC members will ~~review~~ the JSR ~~(with its proposed Spec Lead and initial Expert Group); and any comments and nominations~~ received, and cast their ballot as per specified in Section 6.5 below to decide if the JSR should be approved.

If the JSR Approval Ballot fails, the PMO will send all EC comments to the JSR submitter(s) who will may have the option of ~~revising~~ the JSR and resubmitting ~~it to the PMO~~ within 14 days. If a revised JSR is not received in that time, the original EC decision will stand and the JSR will be closed. If a revised JSR is received, the PMO will post it to the JSR Page, announce the revised JSR to the public, and send it to all EC members for a JSR Reconsideration Ballot. If that ballot fails, the JSR will be closed. **CREATE THE EARLY DRAFT**

1.5 FORM THE EXPERT GROUP

Within 14 days of a JSR being approved, the PMO will notify instructs the identified Spec Lead to form the Expert Group. If the Member contributing the Spec Lead withdraws from the Community before the JSR is approved, the PMO will request the initial preliminary Expert Group to choose a replacement from among themselves who is willing to take on the duties defined in this document ~~(including taking responsibility for the RI and TCK, working towards the estimated schedule given in the JSR, and assuming the position of Maintenance Lead as described in section 4)- 5.~~


494 There is no size limit on the Expert Group. The Spec Lead may add additional Experts at any time
495 provided the ~~existing Expert Group~~existing EG members ~~is~~are consulted ~~first~~. New members may be
496 added, for example, to increase diversity of opinion. ~~A Spec Lead recruits new Experts by approaching~~
497 ~~other Members directly and working with them to identify an expert and bring him or her into the~~
498 ~~Expert Group.~~

499 Any JCP m~~Member or employee of a JCP member~~Member Representative can request to join an
500 Expert Group at any time by sending an email to the Spec Lead of~~such~~the EG. The request, together
501 with the Spec Lead's official response, substantive deliberations within the EG about this matter, and
502 any other official decision related to EG composition, including decisions to remove or replace EG
503 members, ~~must be made public via a publicly readable (and publicly archived) email list~~the EG's public
504 alias. 

505 ~~FREEDOM OF WORKING STYLE~~

506 ~~Each Expert Group is free to define and follow whatever working style it finds most productive and~~
507 ~~appropriate as long as it is compatible with the JCP. Use of the Internet is encouraged. E-mail~~
508 ~~exchanges on mailing lists established for the use by the Expert Group, along with conference calls~~
509 ~~and group meetings, have been used by past Expert Groups to discuss and resolve issues raised as~~
510 ~~the draft evolves.~~

511 ~~Spec Leads are encouraged to choose a style that provides maximal transparency to the Expert~~
512 ~~Group, community, the EG members and the public. The PMO provides Spec Leads with tools and~~
513 ~~techniques for making the actions of their Expert Groups transparent, and the EG members expect~~
514 ~~Spec Leads to carefully choose which tools are best for their Expert Groups and commit to using~~
515 ~~them. Transparency is valuable to everyone in the community, especially the Expert Group, because it~~
516 ~~offers broader feedback to the group and helps build broader support for the final spec. The public~~
517 ~~JSR page must contain information on what transparency techniques are being used by the Expert~~
518 ~~Group and this information must be current before any JSR Ballot.~~

519 ~~The use of JSPA Confidential materials (as defined in the JSPA) by Expert Groups limits transparency~~
520 ~~and is strongly discouraged. If the Spec Lead intends to permit the use of JSPA Confidential materials~~
521 ~~(such as emails, drafts or submissions marked as Confidential), this must be specified in the initial~~
522 ~~Java Specification Request before the JSR Approval Ballot.~~ ~~3~~  ~~we need to coordinate schedules, travel~~
523 ~~restrictions and In-person group meetings are useful but they tend to slow down work considerably~~
524 ~~due to Electronic and phone communication is encouraged.~~

525 **2. ~~REVIEW~~PUBLIC COMPLETE THE SPECIFICATION DRAFT**

526 **RELEASES**

527 **2.0 DEFINITIONS**

528 **~~Proposed Final Draft:~~** ~~The version of the draft Specification that will be used as the basis for~~
529 ~~the RI and TCK.~~

530 **~~Public Draft Specification Approval Ballot :~~** ~~The EG ballot to determine if a draft should~~
531 ~~proceed after Public Review.~~

532 **~~Public Draft Specification Reconsideration Ballot :~~** ~~The EG ballot to determine if a~~
533 ~~revised draft should proceed after Public Review.~~


534 **~~Public Review:~~** ~~A 30 to 90 day period when the public can review and comment on the draft~~
535 ~~Specification.~~

3 The EC intends to remove the confidentiality language from the JSPA in the near future.



536 2.1 WRITE THE FIRST DRAFT OF THE SPECIFICATION

537 The Expert Group should begin work by considering the requirements set forth in the JSR, any
538 contributed documents or technology descriptions, comments received during JSR Review and, if this
539 is a revision of an existing Specification, the Change Log kept by the Maintenance Lead (see section
540 4). Additional input can be obtained from discussions with other Members, industry groups, software
541 developers, end-users, and academics. The goal is to define requirements and then write a draft
542 ~~specification~~[Specification](#) suitable for review by the Community and the public.


543 When the Expert Group decides that the first draft is ready for review, the Spec Lead will send the
544 draft, along with any additional files required for review, to the PMO. The Spec Lead should also
545 suggest the length of the Early Draft Review period if the Expert Group feels it should go beyond the
546 minimum 30 days.

547 Multiple Early Drafts (and Early Draft Reviews) are encouraged where the Expert Group feels that this
548 would be helpful. 

549 2.2 EARLY DRAFT REVIEW


550 Refinement of the draft Specification begins when the PMO posts it to the JCP Web Site  and
551 announces the start of Early Draft Review ~~to all the Members and the public~~. Anyone  download
552 and comment on the draft. The goal of Early Draft Review is to get the draft Specification into a form
553 suitable for Public Review as quickly as possible by uncovering and correcting major problems with
554 the draft. Early Draft Review is an early access review, ~~designed to~~ [and should](#) ideally take place
555 when the ~~specification~~[Specification](#) still has some unresolved issues. The public's participation in Early
556 Draft Review is an important part of the JCP. In the past, comments from the public have raised
557 fundamental architectural and technological issues that have considerably improved some
558 Specifications.


559 2.2.1 UPDATING THE DRAFT DURING EARLY DRAFT REVIEW


560 If the Expert Group makes major revisions to the draft during Early Draft Review, the Spec Lead
561 should send the revised draft, along with a synopsis of the changes, to the PMO. ~~The PMO who will~~
562 ~~immediately notify Members and the public of any updated drafts and change synopses~~
563 ~~received~~ [publish these online](#) and make them available for download ~~by Members and the public by the~~
564 ~~public~~. 

565 After the Early Draft Review period has ended, the Expert Group can make any additional changes to
566 the draft it deems necessary in response to comments before submitting the draft to the PMO for
567 Public Review.

568 2.3 PUBLIC REVIEW

569 Public Review begins when the PMO posts a new draft Specification on the JCP Web Site and
570 announces its [availability](#) ~~to both Members and the~~  ~~for~~ public. ~~Anyone with access to the Internet can~~
571 ~~download and comment on the draft.~~ [view and comment](#).

572 ~~All comments from Members and the public should be sent to the e-mail feedback address listed in the~~
573 ~~draft.~~ The Spec Lead is responsible for ensuring that all comments are read and considered. If those
574 comments result in revisions to the draft,  and those revisions result in major changes (in the opinion of
575 the Expert Group), then the Specification Lead ~~will~~ [must](#) send an updated draft (with [a summary](#)
576 ~~synopsis~~ of the changes) to the PMO ~~at any time up until before the the last day of the r~~ review period
577 ~~ends~~. The PMO will post ~~both~~ the new draft and the change ~~synopsis~~ [summary](#) ~~to on~~ the JCP Web Site
578 and [will](#) notify ~~both Members and the public.~~ ~~All comments received must be made available from the~~
579 ~~JSR Page before the end of the Review so that they can be considered by the EC during the ballot~~

580 | ~~(similar comments may be consolidated). Before the Proposed Final Draft, a brief Expert Group~~
581 | ~~response to each of the Public Review comments must be made available from the JSR page.~~
582 | ~~EC members are strongly encouraged to have one or more technical members of their organizations~~
583 | ~~carry out a review of the draft early on in Public Review, in order to uncover possible negative changes~~
584 | ~~since Early Draft Review. EC members should inform the Expert Group of any such discoveries using~~
585 | ~~the Member e-mail feedback address listed in the draft so they can be considered and responded to~~
586 | ~~during the review period, like all Member comments. EC member feedback is important to the Expert~~
587 | ~~Group, and EC members are encouraged not to wait until ballot periods to voice concerns and issues.~~
588 | ~~that the new draft is available.~~ 

589 | 2.4 PUBLIC DRAFT SPECIFICATION APPROVAL BALLOT

590 | The Public Draft Specification Approval Ballot starts when the Public Review closes. At the close of
591 | balloting, all comments submitted by EC members with their ballots will be circulated to the Expert
592 | Group by the PMO.

593 | If the Public Draft Specification Ballot fails, the Expert Group will have 30 days to update the draft in
594 | response to the concerns raised by the EC and to submit a revised version to the PMO. If a revised
595 | draft is not received ~~by the end of the~~ within 30 days, the original decision by the EC will stand and the
596 | JSR will be closed. If a revision is received, the PMO will forward it to the EC and initiate a Public Draft
597 | Specification Reconsideration Ballot. At the close of balloting, all comments submitted by EC members
598 | with their ballots will be circulated to the Expert Group by the PMO. If this ballot fails, the JSR will be
599 | closed and the Expert Group will disband. If the JSR was a revision to an existing Specification, the
600 | Spec Lead will resume the role of Maintenance Lead of the current Specification (see section 4).

601 | 3. FINAL RELEASE

602 | DEFINITIONS

603 | ~~Appeal Ballot : The EC ballot to override a first-level decision on a TCK test~~
604 | ~~challenge.~~

605 | ~~**Final Draft:** The final draft of the Specification that will be put forward for EC approval.~~

606 | ~~**Final Approval Ballot:** The 14-day EC ballot to approve the Final Draft along with its~~
607 | ~~associated RI and TCK.~~

608 | ~~**Final Approval Reconsideration Ballot:** The 14-day EC ballot to reconsider an initial~~
609 | ~~rejection of a Final Draft, RI, and TCK.~~

610 | ~~**First-Level TCK Appeals Process :** The process defined by the Spec Lead that allows~~
611 | ~~implementers of the Specification to appeal one or more tests defined by the~~
612 | ~~Specification's TCK.~~

613 | 3.0 PROPOSED FINAL DRAFT

614 |
615 | If the Public Draft Specification Approval Ballot (or Reconsideration Ballot) is successful, the Expert
616 | Group will prepare the Proposed Final Draft of the Specification by completing any revisions it deems
617 | necessary in response to comments received. The Spec Lead will then send the Proposed Final Draft

618 | to the PMO, who will ~~announce it to both Members and the public and~~ post it on the JCP Web Site for
619 | public download ~~within seven days of receipt.~~

620 | 3.0.1 COMPLETE THE RI AND TCK

621 | The Spec Lead Member is responsible for the completion of both the ~~Reference Implementation (RI)~~
622 | and ~~the Technology Compatibility Kit (TCK)~~. JSRs ~~which that~~ are assigned to both ECs are required to
623 | ~~deliver an RI and TCK that are applicable to the Java ME support both~~ environments ~~and to the Java-~~
624 | ~~SE or Java EE environment, which.~~ This may require a separate RI and TCK for each environment. If
625 | the RI and TCK uncover areas of the Specification that were under-defined, incomplete, or
626 | ambiguous, the Spec Lead will work with the Expert Group to correct those deficiencies and then send
627 | a revised Specification ~~(together with a summary synopsis of the changes)~~ to the PMO. ~~All such~~
628 | ~~Information will revisions and change synopses received will~~ be posted to the JCP Web Site ~~and~~
629 | ~~announced to both Members and the public.~~ The Expert Group will continue to consider any further
630 | comments received during this time.

631 | 3.0.2 ESTABLISH A FIRST-LEVEL TCK APPEALS PROCESS


632 | ~~3.0.3 The Spec Lead is also responsible for establishing a clearly defined First Level~~
633 | ~~TCK Appeals Process to address challenges to the tests contained in the TCK.~~
634 | ~~This process must be described in the documentation included in the TCK (see~~
635 | ~~Section 4.3 for information on the full TCK Appeals Process). Examples of First~~
636 | ~~Level TCK Appeals Process applicable to situations ranging from simple API~~
637 | ~~Specifications all the way up to Platform Edition Specifications can be found in~~
638 | ~~the TCK section of the JCP Web Site.~~

639 | The Spec Lead is also responsible for establishing a clearly defined First Level TCK Appeals Process
640 | to address challenges to the tests contained in the TCK. This process must be described in the TCK
641 | documentation. Implementers who are not satisfied with a first level decision should appeal to the EC
642 | by documenting their concerns in an email message to the PMO. The PMO will circulate the request to
643 | the EC, along together with any information received from the ML concerning the rationale for the first-
644 | level decision, and initiate a 7-day Appeal Ballot.

645 | ~~4.3.2 UPDATE THE RI TO MATCH THE TCK AND THE SPECIFICATION~~

646 | ~~If the Appeal Ballot is successful, the ML will, within one month of the close of Ballot, update the TCK~~
647 | ~~and/or the Specification in accordance with the EC decision, update the RI if necessary, and record~~
648 | ~~the changes in the RI and TCK Change Logs.~~

649 | 3.0.4 UPDATE THE DELIVERABLES IN RESPONSE TO THE APPEAL BALLOT


650 | Depending on the nature of the problem, a successful TCK challenge will require updating one or
651 | more of the TCK, the Specification, or the RI. Within one month of the close of a successful TCK
652 | Appeal Ballot the Maintenance Lead must update these deliverables as necessary and record the
653 | changes in the relevant sections of the Change Log. The modified Change Log, the Specification (if
654 | changed,) and URLs for the updated RI and/or TCK must be delivered to the PMO, who will publish
655 | them on the JCP website. 

656 | 3.1 FINAL APPROVAL BALLOT

657 | When the Expert Group is satisfied that the TCK provides adequate test coverage, the RI
658 | ~~adequately~~correctly implements the Specification, and the RI passes the TCK, the Spec Lead will
659 | send the Final Draft of the Specification to the PMO ~~together~~along with instructions on how EC

660 members can obtain the RI and TCK for evaluation. The PMO will circulate the materials to the EC
661 and initiate the Final Approval Ballot. At the close of balloting, all EC comments will be sent to the
662 Expert Group by the PMO.

663 ~~Each~~The TCK submitted as part of the Final Draft must meet the following requirements:


- 664 • Include ~~all TCK~~ documentation covering configuration and execution of the TCK, a definition
665 and explanation of the First-level TCK Appeals Process, the Gcompatibility Rrequirements that
666 must be met in addition to passing the TCK tests, and any other information needed to use the
667 TCK (e.g. Tools documentation). 
- 668 • Be accompanied by a test harness, scripts or other means to automate the test execution and
669 recording of results.
- 670 • Include a TCK ~~Gcoverage Ddocument~~ that will help for the EC members to use in evaluating
671 theto evaluate the TCK's quality. sufficiency of the TCK. T ~~This executive summary of the~~
672 ~~TCKdocument~~ should include an overview of the documentation included in the TCK, a
673 description of means used to validate the quality of the TCK, the criteria used to measure TCK
674 test coverage of the Specification, test coverage numbers achieved, and a justification for the
675 adequacy of TCK quality and its test coverage.
- 676 • Provide 100% signature test coverage. These tests must ensure that all of the required API
677 signatures of the spec are completely implemented. ~~and that no non-specified APIs are~~
678 included in the JSR's namespace.


679 If the Final Approval Ballot fails, the Spec Lead will have 30 days to revise the Specification, RI, and
680 and/or TCK in response to ~~any~~ EC concerns and to resubmit modified materials. ~~At the same time,~~
681 ~~the Expert Group will have 30 days to revise the Final Draft in response to any EC concerns and send~~
682 ~~it~~ to the PMO.

683 If no responses are received ~~by the end of the~~ within 30 days, the original decision of the EC will
684 stand, the PMO will close the JSR, and the Expert Group will disband. If the JSR was a revision to an
685 existing Specification, the Spec Lead will resume the role of Maintenance Lead of the current
686 Specification (see section 4).

687 If a response is received, the PMO will circulate it to all EC members for a Final Approval
688 Reconsideration Ballot. At the close of balloting, all ballot comments submitted by EC members will be
689 circulated to the Expert Group by the PMO. If the reconsideration ballot fails, the JSR will be closed
690 and the Expert Group will disband. If the JSR was a revision to an existing Specification, the Spec
691 Lead will resume the role of Maintenance Lead of the current Specification.

692 3.2 FINAL RELEASE

693 Within 14 days of a successful Final Approval Ballot (~~or a~~ Reconsideration Ballot), the PMO will
694 publish on the JCP website the Specification and links to information on how to obtain the RI and TCK
695 ~~on the JCP Web Site and an will~~ announcement will be made the availability of these materials to both
696 Members and the public. The published TCK information must include a means for any interested
697 party to obtain a copy of the TCK documentation at no charge.  Upon Final Release, the Expert Group
698 will have completed its work and disbands. The Spec Lead will typically be the Maintenance Lead and
699 may call upon Expert Group members and others for aid in that role.

700 The Maintenance Lead must ensure that the links to the RI and TCK remain valid through the lifetime
701 of the Specification. If the links become broken or non-functional, the Maintenance Lead will have 30
702 days following notification from the PMO of the invalid links to correct them. If the problems are not
703 corrected within the 30 days, the Specification must reenter the Process at the Proposal Final Draft
704 stage and complete the Final Approval or Maintenance Draft Approval process again. 

COMPATIBILITY TESTING

The Spec Lead is responsible for defining the process whereby the TCK is used to certify implementations of the JSR as compatible. The Spec Lead must submit to the PMO at least quarterly, and at every Maintenance Release, a list of all implementations that have been certified as compatible and that have been released publicly or commercially. The PMO will publish this information on the JCP website. If the Spec Lead submits the information in the form of a pointer to an already published list the PMO may choose simply to reference that list rather than duplicate it.

JSR RENEWAL BALLOT

definition -- JSR Renewal Ballot: An EC ballot to confirm that a JSR should continue in its work.

If a JSR does not begin Early Draft Review within the first 12 months following the completion of its initial JSR Approval Ballot (JSR Approval), or does not begin Public Review within 2 years of JSR Approval or has not achieved Final Release within 3 years of JSR Approval, then a JSR Renewal Ballot may be initiated at the request of a majority of the EC. The PMO will inform the Spec Lead and Expert Group of the decision of the EC to hold this ballot and request that the Spec Lead and Expert Group prepare a public statement to the EC. The JSR Renewal Ballot will start 30 days following the majority request. The JSR Renewal Ballot is carried out for 7 days. If the JSR Renewal Ballot is approved by the EC, then another renewal ballot cannot be initiated for that JSR for an additional year.

definition -- JSR Renewal Reconsideration Ballot: An EC ballot to determine if a revised JSR should continue its work.

If the JSR Renewal Ballot fails, the Expert Group will have 30 days to update the JSR in response to the concerns raised by the EC and submit a revised version to the PMO. If a revised JSR is not received by the end of the 30 days, the original decision by the EC will stand and the JSR will be closed. If a revision is received, then the PMO will forward it to the EC and initiate a JSR Renewal Reconsideration Ballot. At the close of balloting, all comments submitted by EC members with their ballots will be circulated to the Expert Group by the PMO. If this ballot fails, the JSR will be closed and the Expert Group will disband. If the JSR was a revision to an existing Specification, the Spec Lead will resume the role of Maintenance Lead of the current Specification (see section 5).

4. MAINTENANCE

4.0 MAINTENANCE LEAD RESPONSIBILITIES

DEFINITIONS

Dormant Specification (Dormant) : A Specification that does not have an identified Maintenance Lead. All Specifications become Dormant at the end of their life cycles.

Item Exception Ballot : The EC ballot to determine whether or not to include specific change items in a Minor Revision.

Maintenance Lead (ML) : The Expert responsible for maintaining the Specification.

Maintenance Review : A period of at least 30 days prior to finalization of a Minor Revision when Members and the public consider and comment on the change items listed in the

~~PROPOSED section of the Change Log.~~

~~**Minor Revision:** Minor changes made to a Specification by the ML.~~

~~**Transfer Ballot:** The EC ballot to approve transfer of ownership of a Specification, RI, and TCK from one Member to another Member.⁴~~

~~The Maintenance Lead Member is expected to assume long term ownership of the Specification, RI, and TCK while respecting the wishes of the Java Community Members with regard to evolution. A Maintenance Lead will therefore automatically be the Spec Lead for all significant future revisions to their Specification but will not have the exclusive right to decide when a significant revision will take place (see section 1.1.1).~~ KEEP THE SPECIFICATION UP TO DATE

~~The PMO will provide a publicly archived Maintenance feedback alias through which the public may submit requests for clarification, interpretation, and enhancements to the Specification. The Maintenance Lead is responsible for carrying out maintenance on the Specification and dealing with errata by fielding requests for clarification, interpretation, and enhancements to the Specification from both Members and the public via an e-mail address listed in the Specification.~~

~~The ML will consider all requests and will decide how and if the Specification should be updated in response. The ML will typically be the Spec Lead from the Expert Group that developed the Specification. The ML is not required to do all these tasks alone, but is free to consult with the former members of the Expert Group, or any other sources, to assist with the Maintenance duties. The ML may find it very helpful to recruit members of the Expert Group that helped to develop the Specification to assist with the Maintenance duties.~~

~~THE MAINTENANCE LEAD MAKES A LONG TERM COMMITMENT~~

~~The Maintenance Lead (and his or her host company or organization) is expected to assume long-term ownership of the Specification, RI, and TCK with due respect of the will of the Java Community Members with regard to evolution. This means that a Maintenance Lead will automatically be the Spec Lead for all significant revisions to their Specification going forward but he or she will not have the exclusive right to decide when a significant revision will take place (see section 1.1.1). All changes proposed by the ML will make their way into the Specification by either the Maintenance Release process (described below) or through a new JSR.~~

~~RELINQUISHING OWNERSHIP~~

~~If the ML decides to discontinue his or her work for whatever reason (including discontinuing maintenance activities or declining to take on the role of Spec Lead during a significant revision initiated by a JSR) the ML should make a reasonable effort to locate another Member who is willing to take on the task. If the ML fails to find a replacement, the PMO will declare the Specification to be Dormant. No further maintenance will be carried out on it until a new ML is identified and ownership of the Specification, RI, and TCK is transferred to the new ML's organization (subject to a successful Transfer ballot by the EC). Changes appropriate for a Maintenance Release include bug-fixes, clarifications of the Specification, changes to the implementation of existing APIs, and implementation-specific enhancements. Modifications to existing APIs or the addition of new APIs should be deferred to a new JSR.~~

⁴ Transfer of ownership does not mean transfer of IP rights, only transfer of the right to start again. The new Spec Lead can, however, negotiate a transfer of IP with the old Spec Lead.

785 | 4.0.1 RELINQUISHING OWNERSHIP

786 |

787 | 4.1 ~~THE MAINTENANCE CYCLE~~

788 | ~~The PMO will provide a publicly archived Maintenance feedback email address for requests for~~
789 | ~~Specification clarifications, corrections or changes from the public. The ML will review all comments,~~
790 | ~~identify common themes, and arrange with the PMO to make a list of frequently raised issues~~
791 | ~~available from the document's Spec PageJSR Page. The ML is free to consult with the former~~
792 | ~~members of the Expert Group, or any other sources, for advice on how to revise the Specification. All~~
793 | ~~change items proposed by the ML will make their way into the Specification by either the Minor~~
794 | ~~Revision process (described in section 54.2.1) or by a JSR. If the ML decides to discontinue his or her~~
795 | ~~work at any time (including discontinuing maintenance activities or declining to take on the role of~~
796 | ~~Spec Lead during a significant revision initiated by a JSR) the ML should make a reasonable effort to~~
797 | ~~locate another Member who is willing to take on the task. If the ML fails to find a replacement, the~~
798 | ~~PMO will declare the Specification to be Dormant. No further maintenance will be carried out on it until~~
799 | ~~a new ML is identified and ownership of the Specification, RI, and TCK is transferred to the new ML's~~
800 | ~~organization (subject to a successful Transfer ballot by the EC).~~


801 | 4.2 ~~MINOR REVISION~~MAINTENANCE ~~PROCESS~~REVIEW

802 | -

803 | ~~**definition – Change Log:** An area accessible from the Spec Page that lists all changes~~
804 | ~~made to the Specification after Final Release. There are three sections: PROPOSED~~
805 | ~~(changes not yet made to the Specification), ACCEPTED (changes made), and~~
806 | ~~DEFERRED (change items to be considered in a new JSR).~~



807 |

808 | The ML will ~~arrange to have~~  ~~all change items placed into~~ document all suggested proposed
809 | Specification changes in ~~the~~ PROPOSED section of the Change Log and then send a request to the
810 | PMO to initiate a Maintenance Review. Before the Maintenance Review begins, the ML must
811 | summarize comments received at through the Maintenance feedback ~~alias email address (similar~~
812 | ~~comments may be consolidated)~~ and must indicate the disposition ~~for of~~ each comment (e.g. deferred
813 | with a brief explanation, rejected with a brief explanation, included in the Change Log proposal). This
814 | summary will be posted along with the Change Log on the Spec PageJSR Page. The PMO will then
815 | make a public announcement and begin the review ~~within 14 days of receipt of the request.~~

816 | The ML may choose to modify one or more of the proposed changes based on comments received
817 | during the review.

818 | At the close of the Maintenance Review the PMO will initiate a 7-day Maintenance Review Ballot.
819 | During this ballot EC members should vote "yes" if they agree that the Maintenance Release should
820 | go ahead as the Spec Lead has proposed, and "no" if they believe that one or more of the changes
821 | proposed by the ML is inappropriate for a Maintenance Release and should be deferred to a follow-on
822 | JSR. "No" votes must be accompanied by comments in which the offending items are identified and
823 | the reasons for the objection are explained.

824 | If there are any "no" votes the PMO will within two weeks initiate an Item Exception Ballot for each
825 | change that EC members have objected to.

826 | NOTE: there is no minimum number of "yes" votes required to move forward with the proposed
827 | Maintenance Release, and "no" votes cannot prevent a release unless the ML is unwilling to defer


828 | items subsequently disallowed in an Item Exception Ballot.
829 | ~~All comments will be available from the Spec Page JSR Page.~~ At the end of Maintenance Review and
830 | any subsequent Item Exception Ballots, the ML will update the Specification, moving all approved
831 | revisions from the PROPOSED to the document all revisions in the ACCEPTED section of the Change
832 | Log, and delete the corresponding entries in the PROPOSED section. Items voted down in an Item
833 | Exception Ballot must be moved to the DEFERRED section of the log. ~~Other~~ changes not
834 | incorporated into the Specification ~~may be~~ ay be either left in the PROPOSED section or moved to the
835 | DEFERRED section.

836 | ~~4.2.1 THE EC MAY DEFER MINOR REVISION ITEMS~~

837 |
838 | ~~During Maintenance Review an EC member may request that specific proposed change items be~~
839 | ~~deferred to the next JSR. Any such request must be made to the PMO no later than the close of~~
840 | ~~Maintenance Review. If requests are received, the PMO will circulate the requests to all EC members~~
841 | ~~and initiate a 7 day Item Exception Ballot within 2 weeks after the close of the Maintenance Review. At~~
842 | ~~the close of the Item Exception Ballot, the PMO will post the ballot results to the Change Log. The ML~~
843 | ~~will place all proposed changes that were disapproved into the DEFERRED section. The ML will need~~
844 | ~~to initiate a JSR to carry out any of those changes. The ML must post an updated version of the~~
845 | ~~Specification within one month of the completion of the Review and any Item Exception Ballot.~~ at the
846 | ML's discretion.

847 | ~~4.3 KEEPING THE RI AND TCK SYNCHRONIZED WITH THE~~ 848 | ~~SPECIFICATION MAINTENANCE RELEASE~~

849 | At any time after a Maintenance Review Ballot and possible Item Exception Ballot the Spec Lead will
850 | update the Specification, RI, TCK, and Change Log as necessary and submit them to the PMO for
851 | publication in a Maintenance Release. The PMO verifies that the necessary changes have been
852 | made, and publishes the Specification, the Change Log, and pointers to the RI and TCK on the JSR
853 | Web Page.

854 | ~~Whenever the Specification is updated, the ML is responsible for reviewing the current RI and TCK to~~
855 | ~~determine what revisions (if any) are needed to keep the RI and TCK synchronized with the~~
856 | ~~Specification. The ML must keep a Change Log for the RI and one for the TCK, recording all updates~~
857 | ~~to each of them record all RI and TCK updates in the Change Log, respectively.~~ 
858 | ~~changes will be considered final when the RI and TCK are synchronized with the Specification.~~

859 | ~~4.3 THE TCK APPEALS PROCESS~~

860 | ~~As noted in section 3.2.2, the TCK documentation must identify and specify a First-Level TCK Appeals~~
861 | ~~Process by which challenges to the TCK will be addressed. An implementer of a Specification can~~
862 | ~~challenge a TCK test using the First-Level TCK Appeals Process. Implementers who are not satisfied~~
863 | ~~with a first-level decision can appeal it to the EC.~~


864 | ~~4.3.1 APPEALING A FIRST-LEVEL DECISION TO THE EC~~

865 | ~~**definition -- Appeal Ballot** : The EC ballot to override a first-level decision on a TCK test~~
866 | ~~challenge.~~

867 | ~~Implementers appeal a first-level decision to the EC by filing a written request with the PMO using the~~
868 | ~~online form available at the TCK section of the JCP Web Site. The PMO will circulate the request to~~
869 | ~~the EC, along with any information received from the ML concerning the rationale for the first-level~~

870 | ~~decision, and initiate a 7-day Appeal Ballot.~~

871 | 4.3.2 UPDATE THE RI TO MATCH THE TCK AND THE SPECIFICATION

872 | ~~If the Appeal Ballot is successful, the ML will, within one month of the close of Ballot, update the TCK-~~
873 | ~~and/or the Specification in accordance with the  decision, update the RI if necessary, and record-~~
874 | ~~the changes in the RI and TCK Change Logs.~~

875 | NOTE: until the Maintenance Release stage is reached any proposed changes should be considered
876 | preliminary and subject to change, and therefore should not be implemented in shipping products.

877 | 5. EXECUTIVE COMMITTEE POLICIES AND PROCEDURES

878 | 5.0 DEFINITIONS

879 | ~~definition -- Ratified Seat : An EC seat filled by the ratification process described in section-~~
880 | ~~65.4.2.-~~


881 | ~~definition -- Elected Seat : An EC seat filled by the election process described in section 65.4.3.-~~


882 | 5.1 SCOPE

883 | The Executive Committee (EC) oversees the development and evolution of the Java technologies
884 | within the JCP.-

885 | 5.2 MEMBERSHIP

886 | ~~The~~Each of the two -Executive Committees ~~is~~is currently composed of 16 Java Community Process
887 | Members.⁵ ~~Members~~Oracle America, Inc. has a permanent voting seat on each EC. (Oracle
888 | representatives must not be members of the PMO. ~~The ECs are led by a non-voting Chair from the~~
889 | ~~plus a non-voting Chair. The Chair of the EC will~~is ~~be~~is a member of the Process~~gram~~ Management
890 | Office. ~~The 16 voting members will be~~are selected from Java Community Process Members. ~~Oracle-~~
891 | ~~America, Inc. will have~~has a permanent voting seat on the EC. ~~That Oracle representative will~~is not be
892 | a member of the PMO.-

893 | Should one Member on the EC acquire a majority ownership of another EC member, one of those
894 | members must resign his or her seat by the effective date of the acquisition. 

895 | ~~No Member may hold more than one voting seat on the EC at any given time. For example, if a-~~
896 | ~~Member has majority ownership of one or more other Members, then that group of Members can have-~~
897 | ~~only one seat on the EC at any given time.~~ 

898 | 5.3 EC DUTIES AND RESPONSIBILITIES

- 899 | 1. Select JSRs for development within the JCP.
- 900 | 2. Approve draft Specifications for Public Review.
- 901 | 3. Give final approval to completed Specifications and their associated RIs and TCKs.
- 902 | 4. Decide appeals of first-level TCK test challenges.
- 903 | 5. Review w proposed maintenance revisions and possibly require some to be carried out in a
904 | new JSR.
- 905 | 6. Approve the transfer of maintenance duties between Members.
- 906 | 7. Decide when JSRs that have not made sufficient progress through the Process should be

5 The EC intends to merge the two ECs in the near future.

[withdrawn.](#)

8. Provide guidance to the PMO and JCP Community to promote the efficient operations of the organization and to guide the evolution of Java platforms and technologies. Such guidance may be provided by mechanisms such as publishing white papers, reports, or comments as the EC deems appropriate to express the opinions of one or both Executive Committees.

Members of the Executive Committees will be dedicated to the principles of full and open competition, in full compliance with all applicable laws, including all antitrust laws of the United States and other nations and governmental bodies as appropriate. Violations of such laws can result in criminal as well as civil penalties for individuals as well as employers, depending on the jurisdiction. In particular, any discussion related to product pricing, methods or channels of distribution, division of markets or allocation of customers, among other subjects, should be avoided.

6

5.4 EC SELECTION PROCESS AND LENGTH OF TERM

~~Voting Members on the EC serve 3-year terms. There are 10 Ratified Seats, 5 Elected Seats, and one permanent seat held by Oracle America, Inc. The 3-year terms are staggered so that 5 of the 15 seats are normally up for ratification/election each year as follows:-~~

	Ratified Seats Replaced	Elected Seats Replaced
Year 1	3	2
Year 2	3	2
Year 3	4	1

~~The cycle repeats every 3 years. Ratified or Elected Seats that are vacated prior to completion of the term will be filled as described sections in 5.4.2 and 5.4.3.~~

Voting Members on the EC serve three-year terms. There are 2 Ratified Seats for every Elected Seat, (currently 10 Ratified Seats and 5 Elected Seats on each EC) plus one permanent seat held by Oracle America, Inc. The terms are staggered so that a third of the Voting seats are normally up for election each year. Ratified or Elected Seats that are vacated prior to completion of the term will be filled as described in sections 6.4.2 and 6.4.3.

5.4.1 RESIGNATION OF EC SEATS

EC Members ~~on the EC~~ may resign their seats at any time during their term.

~~Should one Member on the EC acquire a majority ownership of another EC member, one of those members must resign his or her seat by the effective date of the acquisition.~~

EC members who fail to remain Java Community Members forfeit their EC seat.

Vacated seats will be filled for the remainder of their term by a special election ballot that will be held no later than two months after the resignation (unless the resignation is less than six months before the next scheduled annual election ballot).

6 There was more text here, it has been moved to Standing Rules

941 | 5.4.2 ELECTION PROCESSES

942 | All JCP Members are eligible to vote in ballots for Ratified and Elected Seats subject to the provision
943 | that if a Member has majority-ownership of, or is the employer of, one or more other Members, then
944 | that group of Members will collectively have 1 vote, which will be cast by the person they designate to
945 | be their representative for the ballot in question.

946 | Annual elections for Ratified and Elected Seats will be held simultaneously. Voting in these elections
947 | will start in the third week of October.

948 |
949 | In the interests of promoting transparency and participation in the election process the PMO shall
950 | organize teleconferences at which the Members have an opportunity to hear from and to ask
951 | questions of the candidates. If a suitable venue such as JavaOne is available the PMO shall also
952 | organize a public meeting with the same purpose.

953 | 5.4.3 SELECTION PROCESS FOR RATIFIED SEATS

954 | Members are selected for the ~~10~~ Ratified Seats using a ratification ballot: which is carried out as
955 | follows: ~~The table given at the end of section 5.4 determines the number of Ratified Seats up for~~
956 | ~~ratification each year of the 3-year cycle.~~

957 | ~~A Ratified Seat that was vacated by resignation will be filled for the remainder of its term by a~~
958 | ~~ratification ballot that will be held no later than two months after the resignation (unless the resignation~~
959 | ~~is less than six months before the next scheduled ratification ballot).~~

960 | ~~All JCP Members are eligible to vote in a ratification ballot subject to the provision that if a Member~~
961 | ~~has majority ownership of, or is the employer of, one or more other Members, then that group of~~
962 | ~~Members will collectively have 1 vote, which will be cast by the person they designate to be their~~
963 | ~~representative for the ratification ballot in question.~~

- 964 | • ~~The ratification ballot is carried out as follows:-~~
965 | • The PMO nominates Members to fill the vacant Ratified Seats with due regard for balanced
966 | community and regional representation.
967 | • ~~Voting begins starting in the third week of October each year.~~
968 | • Eligible Members will vote to ratify each nominee over a 14-day voting period.
969 | • A nominee is ratified by a simple majority of those who cast a vote.
970 | • If one or more of the nominees are not ratified by the vote, the PMO will nominate additional
971 | Members as needed and hold additional ratification ballots until the vacant seats are filled.

972 | 5.4.4 SELECTION PROCESS FOR ELECTED SEATS

973 | Members are selected for the ~~5~~ Elected Seats using an open election process that is carried out as
974 | follows:- ~~The table given at the end of section 5.4 determines the number of Elected Seats up for~~
975 | ~~election each year of the 3-year cycle.~~

976 | ~~An Elected Seat that was vacated by resignation will be filled for the remainder of its term by an~~
977 | ~~election ballot that will be held no later than two months after the resignation (unless the resignation is~~
978 | ~~less than six months before the next yearly election).~~

979 | ~~All JCP Members are eligible to vote in an election ballot subject to the provision that if a Member has~~
980 | ~~majority ownership of, or is the employer of, one or more other Members, then that group of Members~~
981 | ~~will collectively have 1 vote, which will be cast by the person they designate to be their representative~~
982 | ~~for the ratification ballot in question.~~

983 | ~~The election ballot is carried out as follows:-~~

- 984 | • Four weeks before the voting period, the PMO will post on the public JCP site a complete

- description of all materials that will be provided to voters ~~from the JCP election pages and ballot~~ (e.g. any candidate statements, position papers, candidate forums, etc. that will be posted during the election).
- ~~Starting fo~~Four weeks before the voting period, the PMO will accept nominations from the Community for a period of 14 days. ~~Any Member may be nominated. Any Member may nominate themselves except that employees of JCP Members cannot run for Elected Seats as individuals and the PMO shall reject such nominations.~~
 - ~~However, employees of EC members cannot run for election as individuals and the PMO shall reject such nominations.~~
 - ~~Voting begins starting in the third fourth week of October each year.~~
 - Eligible Members may vote for as many nominees as there are vacant Elected Seats over a 14-day voting period.
 - The nominees who receive the most votes will fill the vacant Elected Seats.
 - ~~If there is only one nominee for an Elected Seat voters will be given the opportunity to vote "yes" or "no" for that candidate. To be elected, the candidate must obtain a simple majority.~~
 - Ties will be decided by following the procedure defined in <http://www.ietf.org/rfc/rfc2777.txt> and using the calculator provided by W3C in <http://www.w3.org/2001/05/rfc2777>.

6. EXECUTIVE COMMITTEE JSR VOTING RULES

1. All ~~EC-J~~JSR ~~ballots~~votes will be conducted electronically and the results made public.
2. ~~EC~~-JSR balloting periods last ~~7~~14 days except where noted in this document.
3. EC Members may cast three types of votes: "yes", "no" and "abstain". Explicit abstentions are strongly discouraged. In the extreme and most undesirable case, an EC Member may not vote at all.
4. Only "yes" and "no" votes count in determining the result of an ~~EC~~ JSR ballot.
5. ~~EC-J~~JSR ballots are approved if (a) a majority of the votes cast are "yes" votes, and (b) a minimum of 5 "yes" votes are cast. Ballots are otherwise rejected.
- 6.
7. ~~EC-b~~Ballots to approve UJSRs for new Platform Edition Specifications or JSRs that propose changes to the Java language, are approved if (a) at least a two-thirds majority of the votes cast are "yes" votes, (b) a minimum of 5 "yes" votes are cast, and (c) Oracle casts one of the "yes" votes. Ballots are otherwise rejected.
8. "No" votes must be accompanied by an explanation ~~along with~~of the changes (if any) that ~~are would persuade the member necessary~~ to change the vote to "yes".
9. It is highly recommended that abstentions be accompanied by comments.
10. When a failed ~~EC~~-JSR ballot results in the closing of a JSR, at least 1 month must pass before the JSR can be reinitiated.
11. EC ballots to override a first-level decision on a TCK challenge are approved if (a) at least a two-thirds majority of the votes cast are "yes" votes, and (b) a minimum of 5 "yes" votes are cast.
12. An item listed in an Item Exception Ballot will be deferred to the next JSR if at least one-third of the EC Members cast "no" votes for that item.
13. When more than one EC is voting on any ~~of the above mentioned~~JSR ballots, the ballot will be approved only if each EC approves it separately.

IV APPENDIX A: REVISING THE JCP AND THE JSPA

Revisions to the Java Community Process (this document) and the Java Specification Participation

1032 Agreement will be carried out using the Java Community Process with the following changes:

1033 1. Only EC members can initiate a JSR to revise one of these documents.

1034 2. Each EC must approve the JSR.

1035 | 3. The Expert Group consists of both ECs with a member of the PMO as Specification  read.

1036 4. There is no Reference Implementation or Technology Compatibility Kit to be delivered and no
1037 | TCK appeals process to be defined.

1038 | 5.