

# Location API

## for Java™ 2 Micro Edition

Version 1.0  
Proposed Final Draft 0.6

JSR 179 Expert Group  
[jsr-179-comments@jcp.org](mailto:jsr-179-comments@jcp.org)

Java Community Process

---

## **Copyright Notice and Disclaimers**

Copyright © 2003 Nokia Corporation. All rights reserved.

### **NOTICE**

The Specification is protected by copyright and the information described therein may be protected by one or more U.S. patents, foreign patents, or pending applications. Except as provided under the following license, no part of the Specification may be reproduced in any form by any means without the prior written authorization of the Specification Lead and its licensors, if any. Any use of the Specification and the information described therein will be governed by the terms and conditions of this license and the Export Control and General Terms as set forth in the Specification Lead website Legal Terms. By viewing, downloading or otherwise copying the Specification, you agree that you have read, understood, and will comply with all of the terms and conditions set forth herein.

Subject to the terms and conditions of this license, the Specification Lead hereby grants you a fully-paid, non-exclusive, non-transferable, worldwide, limited license (without the right to sublicense) under Specification Lead intellectual property rights to review the Specification internally for the purposes of evaluation only. Other than this limited license, you acquire no right, title or interest in or to the Specification or any other intellectual property of the Specification Lead. The Specification contains the proprietary and confidential information of Specification Lead and may only be used in accordance with the license terms set forth herein. This license will expire ninety (90) days from the date of Release listed above and will terminate immediately without notice from Specification Lead if you fail to comply with any provision of this license. Upon termination, you must cease use of or destroy the Specification.

### **TRADEMARKS**

No right, title, or interest in or to any trademarks, service marks, or trade names of Sun or Sun's licensors, the Specification Lead or the Specification Lead's licensors is granted hereunder. Sun, Sun Microsystems, the Sun logo, Java, J2ME, and the Java Coffee Cup logo are trademarks or registered trademarks of Sun Microsystems, Inc. in the U.S. and other countries.

Nokia is a registered trademark of Nokia Corporation.

### **DISCLAIMER OF WARRANTIES**

THE SPECIFICATION IS PROVIDED "AS IS" AND IS EXPERIMENTAL AND MAY CONTAIN DEFECTS OR DEFICIENCIES WHICH CANNOT OR WILL NOT BE CORRECTED BY THE SPECIFICATION LEAD. THE SPECIFICATION LEAD MAKES NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT THAT THE CONTENTS OF THE SPECIFICATION ARE SUITABLE FOR ANY PURPOSE OR THAT ANY PRACTICE OR IMPLEMENTATION OF SUCH CONTENTS WILL NOT INFRINGE ANY THIRD PARTY PATENTS, COPYRIGHTS, TRADE SECRETS OR OTHER RIGHTS. This document does not represent any commitment to release or implement any portion of the Specification in any product.

THE SPECIFICATION COULD INCLUDE TECHNICAL INACCURACIES OR TYPOGRAPHICAL ERRORS. CHANGES ARE PERIODICALLY ADDED TO THE INFORMATION THEREIN; THESE CHANGES WILL BE INCORPORATED INTO NEW VERSIONS OF THE SPECIFICATION, IF ANY. THE SPECIFICATION LEAD MAY MAKE IMPROVEMENTS AND/OR CHANGES TO THE PRODUCT(S) AND/OR THE PROGRAM(S) DESCRIBED IN THE SPECIFICATION AT ANY TIME. Any use of such changes in the Specification will be governed by the then-current license for the applicable version of the Specification.

### **LIMITATION OF LIABILITY**

TO THE EXTENT NOT PROHIBITED BY LAW, IN NO EVENT WILL THE SPECIFICATION LEAD OR ITS LICENSORS BE LIABLE FOR ANY DAMAGES, INCLUDING WITHOUT LIMITATION, LOST REVENUE, PROFITS OR DATA, OR FOR SPECIAL, INDIRECT, CONSEQUENTIAL, INCIDENTAL OR

---

PUNITIVE DAMAGES, HOWEVER CAUSED AND REGARDLESS OF THE THEORY OF LIABILITY, ARISING OUT OF OR RELATED TO ANY FURNISHING, PRACTICING, MODIFYING OR ANY USE OF THE SPECIFICATION, EVEN IF THE SPECIFICATION LEAD AND/OR ITS LICENSORS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

You will indemnify, hold harmless, and defend the Specification Lead and its licensors from any claims based on your use of the Specification for any purposes other than those of internal evaluation, and from any claims that later versions or releases of any Specification furnished to you are incompatible with the Specification provided to you under this license.

#### **RESTRICTED RIGHTS LEGEND**

If this Software is being acquired by or on behalf of the U.S. Government or by a U.S. Government prime contractor or subcontractor (at any tier), then the Government's rights in the Software and accompanying documentation shall be only as set forth in this license; this is in accordance with 48 C.F.R. 227.7201 through 227.7202-4 (for Department of Defense (DoD) acquisitions) and with 48 C.F.R. 2.101 and 12.212 (for non-DoD acquisitions).

#### **REPORT**

You may wish to report any ambiguities, inconsistencies or inaccuracies you may find in connection with your evaluation of the Specification ("Feedback"). To the extent that you provide the Specification Lead with any Feedback, you hereby: (i) agree that such Feedback is provided on a non-proprietary and non-confidential basis, and (ii) grant the Specification Lead a perpetual, non-exclusive, worldwide, fully paid-up, irrevocable license, with the right to sublicense through multiple levels of sublicensees, to incorporate, disclose, and use without limitation the Feedback for any purpose related to the Specification and future versions, implementations, and test suites thereof.

# Contents

<b>Overview</b> .....	1
<b>javax.microedition.location</b> .....	5
AddressInfo .....	10
Coordinates .....	16
Criteria .....	22
Landmark .....	29
LandmarkException .....	33
LandmarkStore .....	35
Location .....	43
LocationException .....	49
LocationListener .....	51
LocationProvider .....	53
Orientation .....	60
ProximityListener .....	63
QualifiedCoordinates .....	65
<b>Constant Field Values</b> .....	69
<b>Almanac</b> .....	73
<b>Index</b> .....	79

# Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

## Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

## Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

## Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

## API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

## LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

## FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

## E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.