



# Taking an Application Through the LSB Certification Process

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# Overview

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- Prerequisites for LSB Certification
- How to Achieve LSB Certification
- Registering an Application
- Product Renewals and Updates
- Additional Resources



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# Prerequisites for LSB Certification

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- Develop app using only LSB specified interfaces
- Build with LSB runtime linker in appropriate environment
  - ▶ Isbdev-chroot for an isolated environment
  - ▶ Isbdev-cc for full use of system
- All non-LSB interfaces statically linked or bundled with app
- Pass LSB app checker
- Answer FHS Checklist
- Package app in RPM v3 format
- Execute app successfully on LSB SI and two LSB certified runtime environments

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# How to Seek LSB Application Certification

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- Understand LSB certification processes
  - LSB Certification Policy
  - LSB Product Standard for Applications
- Informal testing of application
- Applying for LSB Application Certification
- Formal testing of application
- Submission of formal testing results

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# Registering an Application

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- Submit completed LSB Trademark License Agreement
- Create Conformance Statement for application
  - [http://www.opengroup.org/lsb/cert/docs/LSB\\_Application\\_12\\_CSQ.html](http://www.opengroup.org/lsb/cert/docs/LSB_Application_12_CSQ.html)
- Register application on web certification system
  - <http://www.opengroup.org/lsb/cert>
- Register company with LSB Certification Authority
  - Only necessary once per company
- Warrant correct execution in three LSB Runtime Environments
  - LSB Sample Implementation
  - LSB Certified Runtime Environment chosen by submitter
  - LSB Certified Runtime Environment chosen by LSB Certification Authority

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# Registering an Application (continued)

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- Upload conformance statement for application
  - Submit test journal output from LSB application checker
    - Executed in any of the three LSB Runtime Environments
    - Resolve all test failures
      - Interpretation granted by LSB Certification Authority
      - Test suite deficiencies from problem report database
      - Certification system deficiencies from problem report database
  - Confirm info for company, application, and registration
  - Affirm commitment to terms and conditions
    - LSB Trademark License Agreement
    - LSB Certification Agreement
  - Select method for paying registration fee
  - Submit completed registration

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# Feedback on Certification Request

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- Successful completion of LSB certification
  - Notified within 15 calendar days
  - Certified product details on Certification Register
    - Confidential certification requests during registration
  - LSB certificate sent via electronic mail
  
- Rejected LSB certification
  - Corrected resubmission within 60 calendar days
  - Extension granted by Certification Authority
  - Appeals process
    - Request for appeal to [lsb-cert@opengroup.org](mailto:lsb-cert@opengroup.org)
    - Acknowledgment of request within 6 working days

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# Appeals Process

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- Appeal to Certification Authority
- Reasons for Appeal
  - Specification Authority resolution of a Problem Report
  - Certification Authority grounds for denying certification
  - Notification of need to rectify a nonconformance
- Two Levels of Appeal
  - Technical Review
  - Board Review
- Response to Technical Review within 31 calendar days
- Appeal Technical Review to FSG Board within 14 calendar days



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# Product Renewals and Updates

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## ■ Product Renewals

- Defined term for initial certification period
- Certification expires or can be renewed
- Product continues conformance to LSB specification
- Renewal request via web-based certification system
- Product re-test may be required

## ■ Product Updates

- Maintenance release
  - No need to contact Certification Authority
- Renaming of product
  - Handled on web-based certification system
  - No need for re-testing or re-certifying
- Major product updates
  - Considered as new product requiring full certification

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# Additional Resources

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- Linux<sup>®</sup> Standard Base
  - <http://www.linuxbase.org>
- Free Standards Group
  - <http://www.freestandards.org>
- LSB Certification
  - <http://www.opengroup.org/lsb/cert>

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