

# Symbian Signed – Accessing Manufacturer Capabilities

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# Symbian Signed & Platform Security

- Symbian Signed is an application testing and certification program for applications running on Symbian OS
  - Best practices in developing applications and content through the use of industry-agreed-upon quality guidelines
- Platform Security brought the "capability model" to restrict access to the most sensitive APIs and provide more security to users
  - Capabilities are granted through Symbian Signed
  - The most sensitive ones also require manufacturer approval



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# Requesting Manufacturer Capabilities

1. Create the Open Signed Offline request with the needed capabilities
  - AllFiles, DRM and TCB are granted by Nokia to Nokia devices
  - Publisher ID is required
2. Submit that through the Symbian Signed web site
  - Use the “Request Phone Manufacturer Approved DevCert” path
3. Fill in all the information which is asked
  - Remember to be detailed in the technical justification
4. Nokia will evaluate the submission technically and may ask for more details related to your company
5. If the evaluation is successful a legal agreement is created between the company and Nokia
  - When the legal agreement has been signed the developer certificate is granted

**Symbian Signed**

Symbian Signed Overview | My Symbian Signed | Account Settings | Log out...

Tools  
Submissions  
TCT Content IDs  
UIDs  
**Open Signed**  
Request  
My DevCerts  
Legal  
Documentation and support

[Symbian.com](#)

**McAfee**  
OPERATED BY CIDERCONE

### New Open Signed Developer Certificate request

Please be aware if you are requesting a developer certificate for SonyEricsson phone(s) that makes use of one of the capabilities below then a [capability request form](#) MUST be completed and send to [devcerts@sonyericsson.com](mailto:devcerts@sonyericsson.com) before the request is made.

- AllFiles
- TCB
- DRM

Please notice that Capability request form needs to be filled in and sent to SonyEricsson only once. After the requested capabilities have been granted once, you don't need to request approval anymore for the same purpose. However, if you need some other capabilities or use the granted capabilities for some other purpose than what they were originally granted for, please send the updated form to SonyEricsson for the new approval.

Please ensure you have used the Developer Certificate Request tool to create your CSR file. If you have not used this tool then your uploaded file will not be valid and a developer certificate will not be issued!

Generating a DevCert can take a few minutes...please wait while your request is being processed.

Please type in the security code seen in the picture below using only **letters A-F and numbers 0-9**

Please attach the PKCS#10 formatted certificate request file:

If you have a Publisher Id and wish to request a Developer Certificate that has more than 1000e IMEIs or provides access to the 3 most sensitive capabilities you must first get permission from a phone manufacturer. You can request permission by using the following request form.

**Only use the link below if you are requesting any of the three (AllFiles, TCB or DRM) manufacturer capabilities. DO NOT request the DevCert from the link below if you are requesting a DevCert for any other capabilities.**

[Request Phone Manufacturer Approved DevCert](#)

Symbian Developer Network  
The Symbian Developer Network is the primary source for all developer requirements for Symbian OS. Click [here](#) for downloads, technical papers, system documentation and newsgroups...

Forum Nokia  
Forum Nokia provides a wealth of information to help you develop applications for S60 phones on Symbian OS. [Click here to find out more](#)

Sony Ericsson Developer World  
Sony Ericsson Developer World helps professional developers get on the fast track from mind to market. [Click here for more information](#)

UIQ Developer Portal  
The UIQ Developer Portal provides resources invaluable to developers creating applications, content and services for all UIQ 3 phones. [Click here to find out more](#)

Get your freeware  
Symbian Signed

# Accessing Manufacturer Capabilities

6. When the application has been finalised it can be sent to Symbian Signed for Nokia for testing
  - Invitation only web site – Nokia will provide the access details
  - The site requires a separate registration to Symbian Signed web site
7. Testing
  - Testing is done by an independent test house and the test has a cost.
  - The testing is done against the Nokia criteria ([www.forum.nokia.com/testing](http://www.forum.nokia.com/testing)) and the Symbian Signed ([www.symbian.signed.com](http://www.symbian.signed.com)) criteria at the same time
  - Certification done after passing the testing and completing the legal agreement



# Requesting the manufacturer capabilities – high level process



Tested

The logos for the testing partners are displayed in a row: <flander> (The best are all tested), MPHASIS (an EDS company), NSTL (NATIONAL SOFTWARE TESTING LAB), and SOGETI (High Tech).

Symbian Signed and Nokia criteria

Symbian Signed for Nokia

Accepted



# Evaluation details

- The technical evaluation is based on the information which is submitted
  - Please see Forum Nokia Wiki for details of different technical requirements for different type of applications:
    - [http://wiki.forum.nokia.com/index.php/Sensitive\\_Applications](http://wiki.forum.nokia.com/index.php/Sensitive_Applications)
- The company evaluation includes requesting commercial, financial and business related information.
  - The target is to understand that the company has a future and it is of good reputation



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# Summary

- The starting point is the Symbian Signed web site. Further information sharing will be done through the Open Signed request tool.
- Please be prepared to spend one week to three weeks with the request approval process and an other week or two with testing at Symbian Signed for Nokia
- Your activity, application quality and availability of the information counts on making the process as smooth as possible



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