



**FlameGroup**

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# Official GMS Certification

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# Service Provider Authorized by Google

**Flame Group SE & our experienced service provider is a Google licensed partner.**

**All necessary agreements with Google have been already signed:**

- **The Anti-Fragmentation Agreement (AFA).**
- **Mobile Application Distribution Agreement (MADA).**
- **Widevine Integration and Distribution Agreement (WV IDA).**



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# Google Mobile Services

Google Mobile Services are the applications and services provided by Google in order to enhance the user's mobile experience. Google Mobile Services are distinct from Android OS.

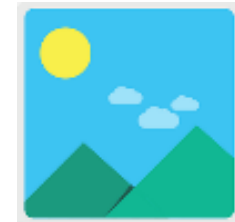
- Gmail
- Google Search & Voice Search
- Google Now
- Google Chrome
- Hangouts
- Google Play client
- Google Calendar & Calendar sync
- Google+ (Google+ Photos)
- Google Backup and Restore
- Google Maps & Street View
- Google Drive
- Google Partner Setup
- Google Services Framework
- Google Talk
- Google Play Movies, Music, Books, Newsstand, Games
- Media Uploader
- Network Location Provider
- Set-up Wizard
- YouTube
- Google Webview Component
- Widevine (*requires separate agreement*)



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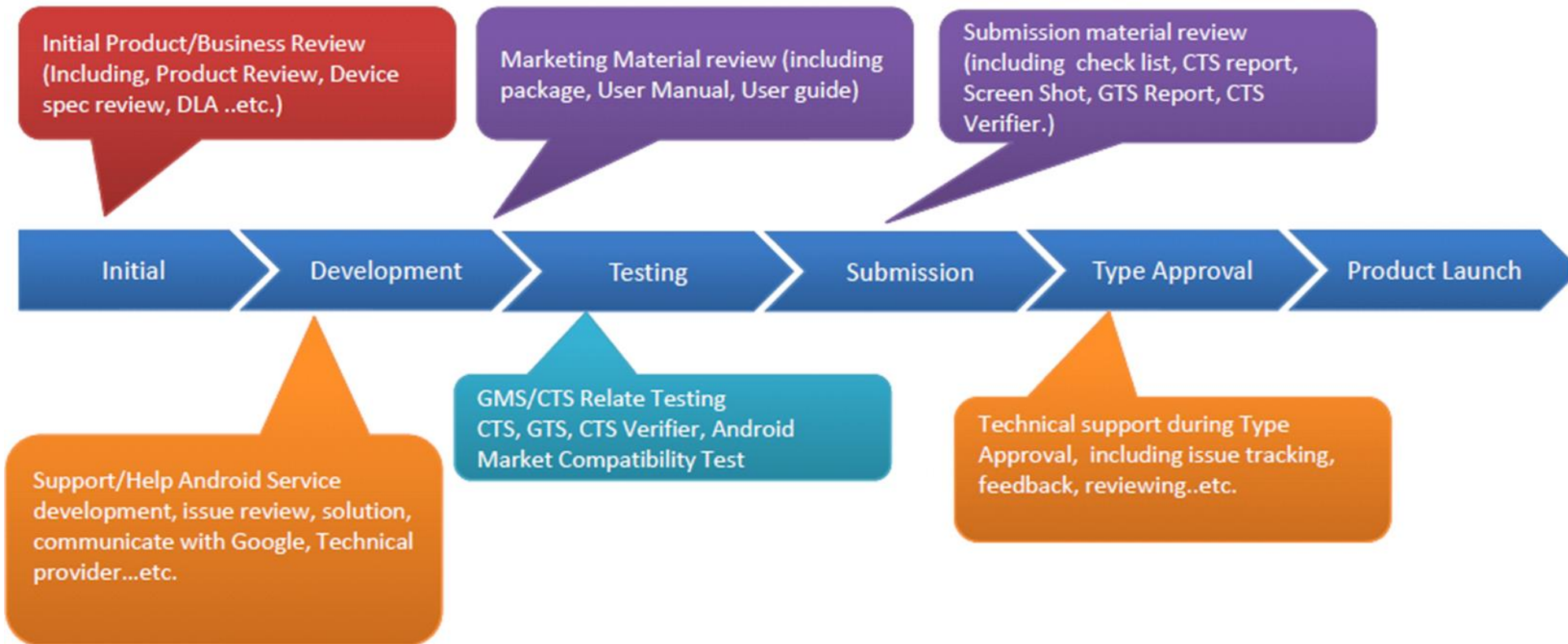
# Mandatory & Optional Services

- **Some apps are not allowed in some countries.**
- **Some GMS apps are mandatory, while others are optional.**
  - **Mandatory - Hangouts, Chrome, Google Docs.**
  - **Optional - Facelock, Camera, Gallery, Earth.**



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# Android GMS Services Process



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# Schedule

**Everybody understands that it is not easy to find out the adequate agent for the official GMS certification process and that testing takes a lot of time and resources. We will provide solutions to reduce the testing cycles and save time.**

**Our assistance includes:**

- **Expert knowledge in the testing tools.**
- **Resources to handle a quick testing.**
- **Full set of instructions and documents for testing.**
- **Information, how to fix the CTS, CTS AOSP patch URL in case of any failures in CTS report.**

**Please, note that certification testing is longer for the first time. Remember to:**

- **Allocate extra time in your schedule for the first device.**
- **Start early.**



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# Necessary Information for GMS

- **Product specifications (hardware, software).**
- **Numbers of product configurations and how they differ.**
- **Regional differences.**
- **Target launch dates.**
- **Launch sales territories or countries.**
- **Device volume forecasts per sales territories.**
- **Software update plans.**
- **Android version number.**
- **Telecom operator information (if the customer is operator).**
- **Marketing materials (box packaging, Google boot logo, press releases, web pages, photos).**



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# Certification Testing

Google recommends the following testing and certifications being done prior to GMS certification testing. They are not strictly required however.

- **OpenGL ES conformance test via Khronos group.**
- **Bluetooth certification.**
- **Battery certification.**
- **Wi-Fi certification via the Wi-Fi Alliance.**
- **RoHS (if required).**
- **If embedded WWAN for a particular wireless carrier network, wireless carriers final approval.**



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# Certification Testing

The following testing is required:

- **Compatibility Test Suite (CTS)**
- **CTS Verifier**

The above two test suites are meant to ensure the product meets the requirements of the **Compatibility Definition Document (CDD)**.

- **Google GMS Test Suite (GTS)**

The above test is meant to ensure that the **Google applications can run well on your product**.

- **Logo and branding checklist**

This checklist is meant to ensure you are meeting the **Android logo and branding guidelines that are published on the web**.

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# Product Versions

**We must use Google's definition of the product, and each product must be tested separately:**

- **Two products mean two different hardware devices with the same software (example - 8" and 10" tablets with the same SW build are two products).**
- **Two products define also 5" handset with the same hardware but with two different SW builds.**
- **12" tablet with the same software build still can be two products because of the regional difference. For example, 12" tablet for the European Country & United States defines two products.**



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# Equipment Shipping

**Before the GMS certification we need to receive:**

- **Signed Statement of Work (SOW).**
- **Go-To-Market table (draft will be provided).**
- **4 devices units in 3 different countries containing final hardware or a close-to-final software build.**
- **All branding materials for approval.**
- **If there is an unusual root process, detailed reason for the root process.**
- **If there is a listening port, detailed reason for the listening port.**
- **Some other requirements can be determined during the certification.**

**Please, note the you should retest device with the final software with all uploaded GMS applications each time in case of the hardware or software changes.**

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# Result of GMS

**After the tests our customers obtain:**

- **GMS package with the signed applications.**
- **All mandatory security patches.**
- **Documentation for the Branding requirements.**
- **Technical documentation, related to the process.**
- **Release key and Google partner ID information (the client ID is a key part of Google services and unique for each partner).**
- **GOTA updates information.**
- **Device testing reports.**

**GMS certification is the insurance of the quality, this is an evidence of care about the customer and the image of the legal market player who follows all normal rules in the digital world!**



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**Thank you  
for your attention!**

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