Long Term Support For Enterprise Android Devices

Rupesh Gujare
Rupesh.gujare@notionext.com

AOSP and AAOS Meetup
18th May 2022

What is Google Mobile Services (GMS)?

- Suite of secure, collaboration and productivity apps and APIs
  - apps eg. Google Play Store, Search, Gmail, YouTube, Google Drive, Hangouts, Google Maps, Calendar
  - APIs - Firebase Cloud Messaging (FCM), SafetyNet APIs, location APIs, etc

- Closed source

- Add on to open source Android (AOSP)

- Must pay fee per device to Google

- Need license agreement with Google

Advantages & Disadvantages of GMS

- Advantages
  - Productivity Apps
  - Google Play Store access - OTA updates
  - Consistency and uniform functionality
  - Security updates
  - Sevices / APIs to ensure functioning of mainstream apps

- Disadvantages
  - Preloaded Google apps & services can take up unnecessary space
  - Must adhere to Google Privacy & Terms
  - Must undergo GMS certification cycle with Google for every release of S/W

How to Obtain GMS compliance ?

- Sign in for conformance test with 3PL
  - MADA (Mobile Application Distribution Agreement)

- Device must be compliant with Compatibility Definition Document (CDD)
  https://source.android.com/compatibility/cdd

- Adhere to CDD during software development phase

- Must pass all test suites
  - CTS
  - GTS
  - CTS-in-GSI
  - VTS
  - STS

- Fix any issues found by compliance test suites above

- Submit device to 3PLs for certification

EDLA Vs MADA

- EDLA - Enterprise Device Licensing Agreement
  – New Program by Google launched in second half of 2021

- EDLA - Launch approval - 2.5 years
  - MADA – 1.5 years

- EDLA – Software approval window - 4.5 years
  - MADA – 2 years

- EDLA – Intended for enterprise devices, like rugged devices, POS solutions, and digital signage/kiosk devices

Source -
https://twitter.com/mishaalrahman/status/1443709967161253891

EDLA – Long term Android support

Mishaal Rahman
@MishaalRahman

EDLA stands for Enterprise Devices Licensing Agreement and is a new program that Google offers that extends GMS approvals for devices sold to enterprises. It covers rugged devices, POS solutions, and digital signage/kiosk devices.

11:50 PM · Sep 30, 2021 · Twitter Web App

1 Retweet   **28** Likes

Tweet your reply   Reply

Mishaal Rahman @MishaalRahman · Sep 30, 2021
Replying to @MishaalRahman
Launch approval window extends 2.5 years past AOSP release, while software approval window extends 4.5 years past.

This apparently launched in December 2020 and the licensing fee is $16/device.

1   1   27

source - https://twitter.com/mishaalrahman/status/1443709967161253891

EDLA – Long term Android support

OS version (API level)	AOSP release	Approval window closed for		GMS approval expiration dates1	Security patch support dates	
		New DEVICE	New S/W BUILD	EDLA (all form factors)	Date of termination of security backport support	ACK support end date
12 (31)	Oct 4, 2021	Jan 31, 2024	TBD	Dec 31, 2026	Mar 31, 2025	4.14.x: Dec 2024 4.19.y: Dec 2025 5.10.z: Dec 2026
11 (30)	Sep 8, 2020	Mar 31, 2023	Android U launch	Mar 31, 2026	Feb 29, 2024	4.14.180+: Jan 2024 4.19.110+: Dec 2024 5.4.61+: Dec 2025
10 (29)	Sep 3, 2019	Jan 31, 2022	Android T launch	Dec 31, 2024	Feb 28, 2023	4.9.165+: Feb 2023 4.14.105+: Jan 2024 4.19.42+: Dec 2024

source - https://twitter.com/MishaalRahman/status/1443709349784870927/photo/1

Thank you