



#FAAPChallenge

CHALLENGE STATEMENT

THE CHALLENGE – OVERVIEW

As in-car connectivity evolves and becomes a standard for vehicles worldwide, the opportunities to develop a rich ecosystem that can be used by drivers and passengers alike rise. Faurecia Aptoide has been a leader in the automotive tech market, working with OEMs and App Developers to create a complete and dynamic Apps Market solution.

Our company has been working with some of the biggest developers and applications in the world and we now want to **invite you to create the next Android Automotive application.**

We're calling all developers to participate in this App Challenge and show us what you think would be a good, innovative app users need to have in their cars. No matter if you're doing it solo, as group or studio, or if you're adapting an already existing app to the automotive environment or creating a new one from scratch, **we challenge you to present to us your best idea.**

THE PROCESS

This competition is open to any developer. You can participate individually, as a group, studio or company. Regarding the application you wish to submit, you can submit and work on a whole new application or adapt an already existing one to Android Automotive OS.

Throughout the challenge, Faurecia Aptoide will be ready and available to assist you in any questions you might have. Additionally, all participants will have access to a Discord group where they can interact with other participants.

Important information & general deadlines:

- **Announcement: July 3rd-5th** at Droidcon.

- **Sign up period: starts at Droidcon.** All developers who wish to enter this challenge will be able to register on the App Challenge [registration form](#). As soon as developers sign-up, they can start working on their participation.
- **Registration:** Use the following [registration form](#) to join the #FAAPChallenge.
- **App Submission:** Performed through Faurecia Aptoide's [Developers Portal](#).
- **Touch point in Lisbon: September 5th.** Faurecia Aptoide to host a meet up in Lisbon with demo vehicles available.
- **Mid-Challenge Review: September 18th.** To make sure participants are heading in the right direction, Faurecia Aptoide recommends a mid-challenge preliminary submission showcasing the status of the application, as well as some technical details.
 - **End of challenge: October 27th.** Participants are required to submit their applications by this date so the review and quality assurance processes can take place, as well as judges' evaluation.
- **Selection of finalists: November 15th.** After careful consideration by our team and judges, the top 3 apps will be announced.
 - **Winner announcement: November 29th.**

RULES, REQUIREMENTS & GUIDELINES

- App able to run on Android Automotive OS (AAOS) API 30 (Android 11) to 32 (Android 12L), minSDK 28 (Android 9)
- Any [category of AAOS Apps](#) except Navigation, Parking and Charging apps
- "Templated" (a.k.a. Driver Distraction Optimized) or non-templated apps
- If app is non-templated, it should:
 - either be restricted to be used while parked only
 - or, if supposed to be used while driving, switch to template while driving
- Compatible with [Faurecia Aptoide's technical requirements](#):
 - No GMS (hard) dependencies
 - Screen resolution compatible with the ones provided
- Available interfaces:
 - [Vehicle Properties](#)
 - [CarSensors \(2\)](#)
 - [Car Apps Library \(3\)](#)
- Validation environment:

- Able to run on the provided generic emulator: please refer to Faurecia Aptoide’s documentation “[Testing the apps in an automotive environment yourself](#)” (1)
- Able to run on Car Manufacturer specific emulator
- Able to run on Car Manufacturer Test Bench and Test Car
- Submission guidelines:
 - Submit the app through [Faurecia Aptoide’s Developer Portal](#)
 - App should be submitted as a “testing” app with a specific version name: *<normal version name>_appchallenge*
 - Preliminary submission:
 - Short description of the app and needed interfaces (needed to assess technical feasibility)
 - If already available, preliminary version of the app; in alternative mock-ups and/or concept description
 - Final submission:
 - Full working app and corresponding metadata
 - Video (up to 2 minutes) demoing the app
- Support and Q&As:
 - Participants will have access to Faurecia Aptoide’s technical team through a dedicated Discord channel
 - After the Mid Challenge Review, participants will have access to
 - OEM specific emulator(s)
 - OEM test benches (remotely, with Faurecia Aptoide’s team support)
 - OEM test car (only the top 3 finalists)

(1) If your app requires some APIs that might not be available on the emulator but are “standard”, please contact our team to assess the feasibility of its usage on a test bench or test car.

(2) If you need access to specific [CarSensors](#), please contact us to assess the technical feasibility.

(3) Please contact Faurecia Aptoide’s team to confirm that the Car Apps Library templates you’re planning to use are available.

EVALUATION CRITERIA

Innovation (40%)

User Experience (30%)

Technical Feasibility (30%)

PRIZES

1st Prize

- Prize money of 5K€
- Sign Distribution Agreement with Faurecia Aptoide and integrate portfolio of apps
 - Faurecia Aptoide to support onboarding of the app on BMW

2nd and 3rd Prizes

- Sign Distribution Agreement with Faurecia Aptoide and integrate portfolio of apps
 - Faurecia Aptoide to support onboarding of the app on BMW

JUDGES

After all submissions are reviewed by Faurecia Aptoide's Team, the apps meeting the technical requirements will be presented to the following panel of judges who will evaluate the applications based on the defined criteria:

Thijs van Herkhuizen, General Manager at Faurecia Aptoide

Tara Akhavan, Vice President of Software Solutions and Ecosystems, FORVIA

Juhani Lehtimäki, CEO of Snapp Automotive

Christoph Döbrich, Digital Products & Services at BMW Group

PARTNERS

droidcon

FORVIA
Inspiring mobility

BMW
GROUP



CONTACT

appchallenge@faurecia-aptoide.com