

Tukxi Ride - Bug #4157

Draw over other apps not able to enable in Driver

01/17/2025 12:54 AM - Rafi M

Status: QA Passed	Start date: 05/09/2025
Priority: High	Due date: 05/09/2025
Assignee: Sreedevi K S	% Done: 90%
Category:	Estimated time: 0.00 hour
Target version: 1.0.8	Spent time: 0.00 hour
Milestone: Sprint 26 Tukxi Ride 2025 Jan 01 to Jan 31	Branch name: sprint-26_sreededvi_4157

Description
Draw over other apps not able to enable in Driver

Specification:
Device : Pixel
OS : Android 15

Impact Analysis
Draw over the app screen

History

#1 - 02/07/2025 03:05 AM - Sreedevi K S

- Due date set to 02/08/2025
- Start date changed from 01/17/2025 to 02/07/2025
- Branch name set to sprint-26_sreededvi_4157

#2 - 02/07/2025 03:05 AM - Sreedevi K S

- Status changed from New to In Progress

#3 - 02/10/2025 01:12 AM - Sreedevi K S

- % Done changed from 0 to 90
- Impact Analysis updated

Google has restricted SYSTEM_ALERT_WINDOW usage. Many OEMs also have additional security policies preventing direct permission requests. Enables the permission feature

#4 - 02/10/2025 01:13 AM - Sreedevi K S

Waiting for the confirmation from tukxi team

#5 - 02/10/2025 03:00 AM - Sreedevi K S

- Status changed from In Progress to On Hold

#6 - 02/17/2025 11:38 PM - Sreedevi K S

- File WhatsApp Image 2025-02-12 at 11.49.58 (1).jpeg added
- File WhatsApp Image 2025-02-12 at 11.49.58.jpeg added

#7 - 02/18/2025 12:29 AM - Anupama P

- Due date changed from 02/08/2025 to 02/21/2025
- Status changed from On Hold to In Progress
- Start date changed from 02/07/2025 to 02/18/2025

#8 - 02/18/2025 05:08 AM - Sreedevi K S

- Status changed from In Progress to Resolved

The inability to grant the SYSTEM_ALERT_WINDOW (draw over other apps) permission on certain devices. This issue appears to be related to stricter enforcement of this permission in newer Android versions (especially with targetSdkVersion 34) and on Pixel devices.

Alternatives to SYSTEM_ALERT_WINDOW wherever possible. This includes:

The best approach is to avoid using SYSTEM_ALERT_WINDOW if at all possible. It's often misused and there are usually better alternatives. Ask yourself why you need this permission. Common use cases and their better alternatives:

1. Floating Chat Heads/Bubbles: Use the Bubble API (introduced in Android 10). It's specifically designed for this purpose and provides a much better user experience.
2. System-Level Alerts/Overlays: If you absolutely must display something over other apps (e.g., critical alerts), consider using a foreground service with a notification that's highly visible. This is less intrusive and more aligned with Android's design principles.
3. Drawing Over Other Apps (General): If you're drawing something interactive over other apps, explore the OverlayView class or similar approaches that don't require the SYSTEM_ALERT_WINDOW permission. These are more restricted but safer.

#9 - 05/07/2025 08:41 AM - Anupama P

- Status changed from Resolved to QA Ready

#10 - 05/09/2025 02:29 AM - Shalu T S

- Due date changed from 02/21/2025 to 05/09/2025

- Status changed from QA Ready to QA In Progress

- Start date changed from 02/18/2025 to 05/09/2025

#11 - 05/15/2025 02:48 AM - Shalu T S

- Status changed from QA In Progress to QA Passed

verified in an Android device; need to check the cases with a Pixel phone.

Files

IMG-20250116-WA0001.jpg	12.9 KB	01/17/2025	Rafi M
IMG-20250116-WA0000.jpg	4.72 KB	01/17/2025	Rafi M
IMG-20250116-WA0002.jpg	25.4 KB	01/17/2025	Rafi M
WhatsApp Image 2025-02-12 at 11.49.58 (1).jpeg	31.8 KB	02/18/2025	Sreedevi K S
WhatsApp Image 2025-02-12 at 11.49.58.jpeg	34.7 KB	02/18/2025	Sreedevi K S