



HERE Android SDK

Release Notes

Premium Edition Version 3.15

Important Information

Notices

Topics:

This section contains document notices.

- [Legal Notices](#)
- [Document Information](#)

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Chapter 1

Overview

Topics:

- [Highlights](#)
- [Service Support](#)

This document provides a summary of important changes for this version. Apart from newly resolved issues and added or improved functionality, this document also includes information about known issues remaining in this release as well as any existing limitations and workarounds.

Highlights

The following highlights give a short summary of the most important changes, added functionality, and improvements:

- Added feature which provides an opportunity to get restriction attributes from the road element.
- Added ability to get complete list of Voice Guidance text maneuvers for route before the navigation starts.
- Optimized data consumption for the map package downloading.
- Added location data source based on Google Location Services API.
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Chapter 2

Changes

Topics:

- [New Features](#)
- [Functional and Behavioral ...](#)
- [Resolved Issues](#)
- [API Changes](#)
- [Known Issues](#)
- [Limitations and Workaround...](#)

This section documents major changes to the release that may require the updating of affected applications and/or associated map data.

For product changes in previous releases see the relevant chapters in these documents: [HERE Android SDK - Premium Edition Release Notes](#)

New Features

The following list contains new features in the current release of HERE Android SDK:

HERE SDK 3.15

- Added ability to check whether user entered or left the school zone.
- Added possibility to get truck restriction attributes on the road.
- Extended routing API with the possibility to check whether user entered or left environmental zone with restrictions.
- Exposed API to add and clear all items from Map Object list.
- Added ability to get complete list of Voice Guidance text maneuvers for route before the navigation starts.
- Added ability to get and set principal point of Map View.
- Optimized data consumption for the map package downloading.
- Improved rendering of traffic events.
- Added encryption of collected probe data.
- Added location data source based on Google Location Services API.
- Improved contract declaring for public API.
- Implemented API to check whether SafetySpot is ahead.

Functional and Behavioral Changes

The following table contains descriptions of added or changed functionality and changes in product behavior.

Table 1: Functional and Behavioral Changes

#	Description
1	Removed shared map service feature.
2	Changed default list of map data groups downloaded by Map Loader and Map Data Prefetcher.

For added and improved functionality in previous releases see the relevant chapters in these documents:
[HERE Android SDK - Premium Edition Developer's Guide](#)

Resolved Issues

The following table summarizes major issues resolved in HERE Android SDK.

Table 2: Resolved Issues

#	Description
1	Fixed flickering of MapOverlays during navigation.

#	Description
2	Added penalties for controlled borders for Truck routing.
3	Fixed NPE in MapEngine class.
4	Fixed non-working GeocodeRequest.setLocale() method.
5	Fixed improper argument checks in GeocodeRequest constructor.
6	Fixed issue with wrong locale for the title of map packages.
7	Fixed issue with zero width of setPatterStyle line.
8	Allowed unset departure time in the RouteOptions.
9	Fixed MapMarker shift if the image was changed in MarkerDragListener.
10	Fixed wrong behavior of PositioningManager.stop() method.
11	Fixed redundant trigerring of onMapTransformEnd callback during navigation.
12	Fixed navigation manager callbacks triggering for traffic avoidance mode.
13	Fixed crash when using Scheme.REDUCED_DAY and Venue maps.
14	Fixed flickering of place icons and labels.
15	Implemented serialization for truck restrictions.
16	Fixed incorrect maneuver and corresponding voice guidance issue in Paris.
17	Issue with incorrect junction view at highways is a map issue and it will be fixed with the map release in April,2020.

API Changes

Added

- `LocationDataSourceGoogleServices` class
- `Map.getAllMapObjects`
- `Map.removeAllMapObjects`
- `MapLoader.isDataGroupSelected`
- `MapPackage.SelectableDataGroup#LowRes3DLandmarks`
- `MapPackage.SelectableDataGroup#SimpleExtrudedBuildings`
- `MapPackage.SelectableDataGroup#Terrain3D`
- `MapPackage.SelectableDataGroup#TruckAttributes`
- `MapPackage.SelectableDataGroup#WorldwideExtendedPOI`
- `MapPackage.SelectableDataGroup#WorldwidePointAddresses`
- `MapSettings.setIsolatedDiskCacheRootPath(String)`
- `NavigationManager.addRoutingZoneListener`
- `NavigationManager.removeRoutingZoneListener`
- `Route.getInstructions`
- `Route.InstructionsUnitSystem` enumeration
- `RouteResult.ViolatedOption#ZONE_RESTRICTION`
- `RoutingZoneListener` class
- `RoutingZoneNotification.getRoutingZonesInfo`

- `RoutingZoneNotification.isOnRoute`
- `RoutingZoneRestrictionsChecker` class
- `RoutingZonesInfo` class
- `SafetySpotChecker` class
- `SchoolZoneInfo` class
- `SchoolZoneListener.onSchoolZoneAhead`
- `SchoolZoneListener.onSchoolZoneUpdated`
- `SchoolZoneRestrictionsChecker` class
- `TruckRestrictionsChecker` class
- `TruckRestrictionListener.onTruckRestrictionAhead`
- `TruckRestrictionListener.onTruckRestrictionUpdated`

Deprecated

- `SchoolZoneListener.onSchoolZone`
- `TruckRestrictionListener.onTruckRestriction`

Removed

- `MapSettings.setIsolatedDiskCacheRootPath(String, String)`

For API changes in previous releases see the relevant chapters in this document: [HERE Android SDK - Premium Edition Release Notes](#)

Known Issues

The following list contains issues known to be present in the current release of HERE Android SDK.

- Online and offline Place search results may differ when both an explicit search center and an implicit viewport are sent.

Limitations and Workarounds

This section lists known limitations and, if available, related workarounds in the current release.

Table 3: Limitations and Workarounds

#	Limitation	Workaround
1	On Android 4.2 or earlier devices, zooming out to the lowest level, where the Globe is visible, can cause the map to freeze.	Use Android 4.3 or higher devices to avoid this behavior.
2	Users may encounter map loading issues on Samsung devices that have Power Saving mode enabled. A blank map may appear instead.	To avoid this issue, your app needs to be whitelisted from Power Saving mode under Settings > Battery .

Chapter 3

Package Information

Topics:

- [Release Content](#)
- [Package Description](#)
- [Getting Started](#)

This chapter contains information on the package delivery, the package contents, the dependencies and installation guide.

Release Content

Native APIs	Enabling native applications to leverage HERE functionality
Documentation	API Reference Documentation and Developer Guide
Sample Application	Sample application project

Package Description

HERE Android SDK Premium Edition v3.15 Release Notes.pdf	This document
Here-sdk.zip	HERE Android SDK
HERE_NOTICE.txt	Copyright and licensing text for the HERE Android SDK. A copy of this text is also available in the Release Notes.
version.txt	Version information about the HERE Android SDK.
HERE-sdk.zip/HERE-sdk/libs	Native and Java libraries
HERE-sdk.zip/HERE-sdk/libs/docs/mapsdoc	API Reference documentation
HERE-sdk.zip/HERE-sdk/tutorial	Sample application to be used with the Quick Start section in the Developer's Guide
HERE-sdk.zip/HERE-sdk/user-guide/HERE Android SDK Premium Edition v3.15 Developer's Guide.pdf	HERE Android SDK Developer's Guide
HERE-sdk.zip/HERE-sdk/misc/	Contains a sample Voice Skin file to be used with the Voice Navigation feature

Getting Started

Refer to the documentation under the `HERE-sdk.zip/user-guide/` folder for details on how to start using the HERE Android SDK.

Appendix

Other Information

Topics:

- [System Requirements](#)
- [Copyright Information](#)

This appendix contains other information about the release such as release overview, technical specifications, dependencies, 3rd party copyright notices, release quality and related documents.

System Requirements

HERE Android SDK is designed and tested with Android phones and tablets in mind. SDK performance will vary between devices, since it is primarily determined by CPU, GPU, and display resolution. Currently, Nexus 5 is a suitable reference for a device which delivers acceptable SDK performance. If your target device is not a phone or tablet, see [Service Support](#) on page 7 to contact us for more details .

- Minimum supported API Level is 17 which corresponds Android 4.2.x "Jelly Bean". (`android:minSdkVersion`)
 - Apps should be developed using Android Studio 2.3.2 or above. Android Studio 3.5 is recommended for optimal operation.
 - For apps that implement basic use cases such as map rendering, search, and routing a minimum of 128MB of memory (RAM) is recommended to be available. More complex use cases, such as turn-by-turn navigation, require more memory.
 - A minimum of 120MB per application should be made available for storing HERE SDK libraries
 - A minimum of 100MB should be made available for storing map data
 - Data connectivity (Wi-Fi or Cellular) is required to download map data and ensure map data is updated when new versions are made available
- 📄 **Note:** HERE Android SDK does not support x86 Android and x86_64 devices. x86 and x86_64 emulators are supported. It is recommended that testing is performed on ARM and ARM64 devices.

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- 📄 **Note:** Developers using the HERE Android SDK in their application projects must embed the following legal text from a user-accessible area of their application. This text is also available as a separate file in the HERE SDK package.

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