



HERE Android SDK

Release Notes

Premium Edition Version 3.10

Important Information

Notices

Topics:

This section contains document notices.

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

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Chapter 1

Overview

Topics:

- [Highlights](#)

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:

- According to changes in Android API 28 with deprecation of `android.app.Fragment` corresponding Mobile SDK API is marked as deprecated `com.here.android.mpa.mapping.MapFragment` and new API introduced `com.here.android.mpa.mapping.SupportMapFragment` instead. For more information see official Android documentation - [official Android documentation](#).
- Implemented truck specific ETA calculation model.
- Enabled Turn by Turn guidance for bike routes.
- Implemented possibility to set/get course for all waypoints on the route
- For a list of all new features in this release, see [New Features](#) on page 9

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 the HERE Android SDK:

HERE SDK 3.10

- Implemented truck specific ETA calculation model
- Enabled Turn by Turn guidance for bike routes
- Implemented possibility to set/get course for all waypoints on the route
- Added error reporting when re-routing fails
- Added possibility to customize stopover reached callback
- Added API to retrieve distance on route
- Added API to specify wait time for each waypoint
- Added possibility to retrieve TTA for specific subleg
- AutoSuggests is now supported for offline mode
- Added API to retrieve remaining distance during guidance
- Added possibility to customize upcoming part of the route
- Added ability to configure cache size (64MB - 1000MB)
- Implemented maneuver restrictions on motorcycle turn cost tables
- Fixed positioning latency issue
- According to changes in Android API 28 with deprecation of `android.app.Fragment` corresponding Mobile SDK API is marked as deprecated `com.here.android.mpa.mapping.MapFragment` and new API introduced `com.here.android.mpa.mapping.SupportMapFragment` instead. For more information see official Android documentation - [official Android documentation](#).
- Improved map representation in Mercator Projection
- Simplified creation of `MapMarker` objects

Functional and Behavioral Changes

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 1: Resolved Issues

#	Description
1	Fixed issue with hiding all POIs when hiding charging station
2	Fixed issue with destroying <code>GeoCoordinate</code> object
3	Added sorting by distance of <code>SearchRequest</code> results

#	Description
4	Fixed delay in rendering when changing map dimensions
5	Fixed crash in NavigationManager
6	Fixed memory leaks in Venues feature
7	Fixed issue with too narrow map polygons
8	Fixed issue with incorrect Globe View Pan modes
9	Fixed GL Thread Crash has appeared while running Samsung application in Canada
10	Fixed NPE in Clustering feature
11	Fixed satellite cache policy
12	Fixed issue with recovering from poor network linking
13	Fixed issue with missing AccessPoint in ReverseGeocode offline results
14	Improved performance when rendering Truck Restrictions layer
15	Fixed strange Re-Routing behaviour with Reduced map scheme
16	Changed the default language for name of the road retrieved from road element
17	Fixed CUSTOM_BLEND_PATTERN and CUSTOM_FILL_PATERN that are not working for MapPolygon outline border

API Changes

Added

- `ApplicationContext.setDiskCacheSize`
- `MapEngine.MapVariant.CHINA`
- `MapEngine.getMapApprovalCode`
- `MapEngine.getProviderCopyrightStatement`
- `NavigationManager.getRemainingDistance(int subleg)`
- `NavigationManager.getRemainingDistance(int routeElementIndex, GeoCoordinate positionOnElement)`
- `NavigationManager.getCurrentRouteLeg`
- `NavigationManager.setDistanceToTriggerStopoverReached`
- `NavigationManager.setDistanceWithUTurnToTriggerStopoverReached`
- `NavigationManager.setDistanceAndStopTimeToTriggerStopoverReached`
- `NavigationManager.RouteTta.getTta(TrafficPenaltyMode mode, int subleg)`
- `NavigationManager.RerouteListener.onRerouteEnd(final RouteResult routeResult, RoutingError error)`
- `SupportMapFragment`
- `MapRoute.setUpcomingColor`
- `MapRoute.getUpcomingColor`
- `MapRoute.MapMarker`
- `RouteWaypoint.RouteWaypoint.setWaitingTime`
- `RouteWaypoint.getWaitingTime`
- `RouteWaypoint.setCourse`

► Changes

- `RouteWaypoint.getCourse`
- `Route.getLength`
- `Route.getDistance(int routeElementFrom, GeoCoordinate positionFrom, int routeElementTo, GeoCoordinate positionTo)`
- `RouteOptions.SpeedProfile`
- `RouteOptions.SpeedProfile.DEFAULT`
- `RouteOptions.SpeedProfile.FAST`
- `RouteOptions.getSpeedProfile`
- `RouteOptions.setSpeedProfile`
- `SearchRequest.getContent`
- `SupportStreetLevelFragment`
- `VenueMapView.initialize`
- `VenueMapView.startVenueServiceAsync`

Deprecated

- `MapFragment`
- `NavigationManager.RerouteListener.onRerouteEnd(final RouteResult routeResult)`
- `NavigationManager.RerouteListener.onRerouteFailed`
- `TextSuggestionRequest`
- `SupportStreetLevelFragment`
- `VenueMapView.init(Activity, final VenueServiceListener)`

Removed

- `NavigationManager.setAnimationEnabled`
- `NavigationManager.getAnimationEnabled`
- `GeocodeRequest`
- `TextSuggestionRequest.getRichTextFormatting`
- `TextSuggestionRequest.setRichTextFormatting`
- `MapRoute.RenderType.TRAVELED`
- `MapRoute.isInfoBubbleVisible`
- `MapRoute.getInfoBubbleHashCode`
- `VenueMapFragment.init(Context, OnEngineInitListener)`
- `VenueMapFragment.init(Context, OnEngineInitListener, VenueServiceListener)`
- `VenueMapFragment.init(Context, MapVariant, OnEngineInitListener, VenueServiceListener)`

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

Known Issues

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

- Callback `onLaneInformation` may return incorrect information
- 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 2: 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 v3.10 Release Notes.pdf	This document
Here-sdk.zip	HERE Android SDK
HERE-sdk.zip/copyright.txt	Copyright and licensing text for the HERE Android SDK. A copy of this text is also available in the Release Notes.
HERE-sdk.zip/version.txt	Version information about the HERE Android SDK.
HERE-sdk.zip/HERE-sdk/libs	Native and Java libraries
HERE-sdk.zip/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 v3.10 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](#) to contact us for more details .

- Android 4.1.x "Jelly Bean" (API Level 16) or higher as the application Minimum API Level (`android:minSdkVersion`).
 - Apps should be developed using Android Studio 2.3.2 or above.
 - For apps that implement basic use cases such as map rendering, search, and routing, a minimum of 60MB of memory (RAM) is recommended to be available. More complex use cases, such as turn-by-turn navigation, require more memory.
 - For the storage of application binaries, an additional 25MB for the HERE SDK libraries, if bundled with the application, should be taken into account.
 - For storage of map data, a minimum of 50MB should be made available.
 - Data connectivity (WiFi 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 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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=== GLM 0.9.7 ===

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=== libJSON 7.6.1 ===

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=== LZ4 r126 ===

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=== malloc_count ===

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Even Rouault - ZIP64 unzip Support
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=== uriparse 0.7.5 ===

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=== UTF8-cpp 2.3.4 ==

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=== Zlib 1.2.8 ==

zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.8, April 28th, 2013

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The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://tools.ietf.org/html/rfc1950> (zlib format), [rfc1951](http://tools.ietf.org/html/rfc1951) (deflate format) and [rfc1952](http://tools.ietf.org/html/rfc1952) (gzip format).

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=== GSON 2.2.4 ===

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