



HERE iOS 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:

- Added support for new iPad Pro (released on OCT 30)
- Enabled Turn by Turn guidance for bike routes.
- Implemented possibility to set/get course for all waypoints on the route.
- Implemented truck specific ETA calculation model.
- 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 iOS SDK - Premium Edition Release Notes](#)

New Features

The following list contains new features in the current release of the HERE iOS 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
- Provided API that returns error when rerouting 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 feature supports 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 (256MB - 2GB)
- Implemented maneuver restrictions on motorcycle turn cost tables
- Fixed positioning latency issue
- Improved MapLoader stability
- Added support for new iPads Pro
- Added possibility to retrieve route element by duration
- Enhanced difficult turns avoidance for trucks by excluding sharp turns from a route
- Enhanced routing options to exclude specified routing zones (such as environmental zones) from the calculated route as a Beta feature. For more information see the API Reference for the `NMARRoutingZone` class and [HERE Routing API documentation](#)
- Implemented avoidance of odd/even and time dependent environmental zones

Functional and Behavioral Changes

For added and improved functionality in previous releases, see the relevant chapters in these documents:
<http://developer.here.com/documentation/versions#ios-hybrid-plus>

Resolved Issues

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

Table 1: Resolved Issues

#	Description
1	Fixed strange Guidance behaviour with Reduced Map Scheme

#	Description
2	Fixed issue with rendering of custom and patten style for Map Objects
3	Fixed map matching issue for indoor positioning
4	Fixed issue displaying of improper venue issue
5	Fixed issue with incorrect dragging of MapMarker
6	Fixed issue with returing of screen view to the position marker
7	Fixed InvalidArgumentExcaption in NMAClusterLayer
8	Fixed crash when LK expires
9	Fixed crash in NMAMapPolygon
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
18	Fixed Polyline rendering issue with preset altitude value
19	Fixed crash during zoom when Traffic is enabled

API Changes

Added

- `NMAApplicationContext` `setDiskCacheSize`
- `NMAApplicationContext` `NMAMapVariantChina`
- `NMAApplicationContext` `getMapApprovalCodeWithCountry`
- `NMAApplicationContext` `getMapDataProviderCopyrightStatementWithCountry`
- `NMAMapDataGroup.NMAMapDataGroupScooterAttributes`
- `NMANavigationManager` `remainingDistanceToRouteElement`
- `NMANavigationManager` `remainingDistanceToSubleg`
- `NMANavigationManager` `currentRouteLeg`
- `NMANavigationManager` `setDistanceToTriggerStopoverReached`
- `NMANavigationManager` `setDistanceWithUTurnToTriggerStopoverReached`
- `NMANavigationManager` `setDistanceAndStopTimeToTriggerStopoverReached`
- `NMANavigationManager` `stopTime`
- `NMANavigationManager` `navigationManager`
- `NMANavigationManager` `didRerouteWithError`
- `NMANavigationManager` `(NSTimeInterval)timeToArrivalForSubleg`
- `NMAMapRoute.@property` `(nonatomic, strong, nullable) UIColor *upcomingColor`

► Changes

- `NMAWaypoint.@property (nonatomic) NSInteger waitingTime`
- `NMAWaypoint.@property (nonatomic) CGFloat course`
- `NMARoute lengthForSubleg`
- `NMARoute distanceFromRouteElement`
- `NMARoute.NS_ENUM NMARouteError`
- `NMARoute routeElementsFromManeuver`
- `NMARoute routeElementsFromDuration`
- `NMARoute routeElementsFromStartTime`
- `NMARoute.routeElementsFromLength`
- `NMARoute routeElementsFromStartDistance`
- `NMARoute routingZones`
- `NMARoutingMode NMA SpeedProfile`
- `NMARoutingMode NMA SpeedProfileDefault`
- `NMARoutingMode NMA SpeedProfileFast`
- `NMARoutingMode excludeRoutingZones`
- `NMARoutingMode licensePlateLastCharacter`
- `NMARoutingMode speedProfile`
- `NMARoutingZone`

Deprecated

- `NMANavigationManager navigationManagerDidReroute`
- `NMASuggestionRequest`

Removed

- `NMANavigationManager timeToArrivalWithTraffic`

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

Known Issues

- Callback `onLaneInformation` may return incorrect information
- `NMACompositeView` - The camera view may become distorted when the device orientation switches repeatedly, or if the orientation is changed from its previous state before the app comes to the foreground.
- Online and offline Place search results may differ when both an explicit search center and an implicit viewport are sent.

Limitations and Workarounds

There are no known limitations and workarounds in this release.

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 Applications	Sample applications in Objective-C and Swift

Package Description

/sample-apps	Sample applications to be used with the Quick Start section in the Developer's Guide
/user-guide/HERE iOS SDK Premium Edition v3.10 Developer's Guide.pdf	HERE iOS SDK Developer's Guide
HERE iOS SDK Premium Edition v3.10 Release Notes.pdf	This document
README.md	Instructions for using HERE SDK through CocoaPods.
HERE-SDK-Notices.html	Copyright and licensing text for the HERE iOS SDK. A copy of this text is also available in the Release Notes.
version.txt	Version information about the HERE iOS SDK.
framework/NMAKit.framework	HERE iOS SDK
framework/strip_sim.sh	Script for removing simulator architectures from the NMAKit library.
api_reference_jazzy_html_bundle_3.10.zip	HERE iOS SDK API reference

Getting Started

Refer to the documentation under the /user-guide folder for details on how to quickly start evaluating the HERE iOS SDK.

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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 SDK supports iOS 11 or above. iOS 12 is recommended for optimal operation.
- HERE iOS SDK is designed and tested for use with iOS phones and tablets. Supported devices are:
 - iPhone 5 or newer
 - iPad 3 or newer
 - iPad Mini 2 or newer
- 📄 **Note:** While the HERE iOS SDK supports both 32-bit and 64-bit devices, iOS 11 or newer is 64-bit only, and only these devices are supported:
 - iPhone 5s or newer
 - iPad Air or newer, including iPad (2017) and iPad Pro
 - iPad Mini 2 or newer
- Apps should be developed using XCode 10 or above, running on macOS 10.13.6 or above.
- For the storage of application binaries, a minimum of 30MB should be made available per application.
- For the storage of map data, a minimum of ~100MB 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.

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Mesa 3-D graphics library
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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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=== TinyObjLoader ===

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