



HERE iOS SDK

Release Notes

Premium Edition Version 3.7

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:

- Street Level Imagery is now marked as a deprecated feature and is no longer available for evaluation. Customers using Street Level Imagery in deployed applications may continue to use the feature. Please contact your HERE representative for more details.
- 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 3.7

- Added Map Data Prefetching as a beta feature. This feature allows users to download map data by specifying a route or a bounding box, rather than by a region using the map loader, or by panning the map.
- Added the ability to customize route outline colors.
- Added support for software rendering the map to bitmaps when running in the background. For more information, see `NMAMapView softwareRenderToBitmap`.
- Added the ability to manually request traffic updates using a set of geocoordinates and a radius.
- Extended options to configure voice guidance prompts.

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	We have changed <code>NMAMapRoute</code> so that <code>color</code> and <code>traveledColor</code> are nil after the route is initialized. After the route is added to the map, colors are assigned to the pre-defined values for the current map scheme. In previous versions, both colors were assigned to default values after initialization.
2	We deprecated the Street Level Imagery feature. Customers using Street Level Imagery in deployed applications may continue to use the feature. Please contact your HERE representative for more details.
3	We now support Map Prefetching and using the Map Loader to cache map data for offline purposes. If your app uses the offline maps feature, ensure that it is explicitly using one of these two methods. Caching data through panning the map is not recommended as offline routing will only work on map data downloaded via Map Prefetching or Map Loader after SDK 3.7.
4	We changed the map display so that the HERE logo is not displayed when the logo size takes up more than 1/8 of the screen width or screen height.
5	We optimized the LiveSight API, <code>NMAFloatMesh</code> , and the <code>NMAGeoMesh</code> classes for Swift.
6	We deprecated extended Venue Zoom Level support as higher zoom levels are now supported in the map view when a venue is selected.

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 2: Resolved Issues

#	Description
1	Fixed an issue related to SDK crashes that occur during application exit. Contact your HERE representative if you explicitly call <code>exit()</code> in your application.
2	Fixed an issue in Navigation that caused the current maneuver to become nil for certain road segments.
3	Added clearer error messages when map engine failed to initialize due to mismatched or expired app credentials.
4	Added clearer error messages for network connection problems.
5	Fixed an issue where the copyright string is incorrectly converted from UTF-8 to the UTF-16 format.
6	Fixed an issue where the returned POI category description in an offline search is not Traditional Chinese when the device setting is a region that uses Traditional Chinese.
7	Fixed the issue where a long <code>NMAMapPolyline</code> does not always trigger <code>onMapObjectsSelected</code> .
8	Addressed a performance degradation seen in offline search.

API Changes

Added

- `NMAMapPositioningManager` `probeCollectionAllowed`
- `NMATrafficManager` `requestTrafficAtGeoCoordinates:`
- `NMATrafficManager` `requestTrafficAtGeoCoordinates:radius:`
- `NMAMapNavigationManager` `setMinimumDistance:fromPreviousManeuverForVoicePromptType:roadType:`
- `NMAMapNavigationManager` `minimumDistanceFromPreviousManeuverForVoicePromptType:roadType:`
- `NMAMapNavigationManager` `setMaximumDistance:fromPreviousManeuverForVoicePromptType:roadType:`
- `NMAMapNavigationManager` `maximumDistanceFromPreviousManeuverForVoicePromptType:roadType:`
- `NMAMapNavigationManager` `setMinimumDistance:toUpcomingManeuverForVoicePromptType:roadType:`
- `NMAMapNavigationManager` `minimumDistanceToUpcomingManeuverForVoicePromptType:roadType:`
- `NMAMapNavigationManager` `setMaximumDistance:toUpcomingManeuverForVoicePromptType:roadType:`
- `NMAMapNavigationManager` `maximumDistanceToUpcomingManeuverForVoicePromptType:roadType:`
- `NMAMapNavigationManager` `setMinimumTimeInterval:fromPreviousManeuverForVoicePromptType:roadType:`

► Changes

- `NMNavigationManager`
`minimumTimeFromPreviousManeuverForVoicePromptType:roadType:`
- `NMNavigationManager`
`setMaximumTimeInterval:fromPreviousManeuverForVoicePromptType:roadType:`
- `NMNavigationManager`
`maximumTimeFromPreviousManeuverForVoicePromptType:roadType:`
- `NMNavigationManager`
`setMinimumTimeInterval:toUpcomingManeuverForVoicePromptType:roadType:`
- `NMNavigationManager` `minimumTimeToUpcomingManeuverForVoicePromptType:roadType:`
- `NMNavigationManager`
`setMaximumTimeInterval:toUpcomingManeuverForVoicePromptType:roadType:`
- `NMNavigationManager` `maximumTimeToUpcomingManeuverForVoicePromptType:roadType:`
- `NMNavigationManager`
`setTimeBasedDistance:toUpcomingManeuverForVoicePromptType:roadType:`
- `NMNavigationManager`
`timeBasedDistanceToUpcomingManeuverForVoicePromptType:roadType:`
- `NMNavigationManager` `backgroundMapTrackingMaximumRefreshRate`
- `NMAMapRoute` `outlineColor`
- `NMAMapView` `trafficAutoUpdateEnabled`
- `NMAMapView` `softwareRenderToBitmap`
- `NMAMapViewDelegate` `mapView:didRender:width:height:bytesPerPixel:`
- `NMAMapDataPrefetcher` `cancel:`
- `NMAMapDataPrefetcher` `cancelAll`
- `NMAMapDataPrefetcher` `fetchMapDataForBoundingBox:error:`
- `NMAMapDataPrefetcher` `fetchMapDataForRoute:radius:error:`
- `NMAMapDataPrefetcher` `clearMapDataCache`
- `NMAMapDataPrefetcher` `addListener:`
- `NMAMapDataPrefetcher` `removeListener:`
- `NMAMapDataPrefetcher` `sharedMapDatPrefetcher`
- `NMAMapDataPrefetcherListener` `prefetcher:didUpdateProgress:forRequestId:`
- `NMAMapDataPrefetcherListener` `prefetcher:didUpdateStatus:forRequestId:`
- `NMAMapDataPrefetcherListener` `prefetcher:didPurgeCache:`
- `NMAUrbanMobilityRouterConnectivity`
- `NMAUrbanMobilityRouter` `connectivity`
- `NMAUrbanMobilityUnits`
- `NMAUrbanMobilityRoutingTypeOption` `units`
- `NMAUrbanMobilityParkingSearchStrategy`
- `NMAVenue3dRouteManeuver` `levelChangeType`
- `NMAVenue3dRouteManeuver` `mapObject`
- `NMAVenue3dRouteStyleOptions` `startRouteDefaultIconSize`
- `NMAVenue3dRouteStyleOptions` `endRouteDefaultIconSize`
- `NMAVenue3dRouteStyleOptions` `startRouteMapObject`
- `NMAVenue3dRouteStyleOptions` `endRouteMapObject`
- `NMAVenue3dRouteStyleOptions` `enterCarDefaultIconSize`
- `NMAVenue3dRouteStyleOptions` `leaveCarDefaultIconSize`
- `NMAVenue3dRouteStyleOptions` `enterCarMapObject`
- `NMAVenue3dRouteStyleOptions` `leaveCarMapObject`
- `NMAVenue3dRouteStyleOptions` `connectorsDefaultIconSize`

► Changes

- `NMAVenue3dRouteStyleOptions` `waypointsDefaultIconSize`
- `NMAVenue3dRouteStyleOptions` `mapObjectForWaypoint`
- `NMAVenue3dRoutingController` `showRoute`

Deprecated

- `NMAMapView` `streetLevelCoverageVisible`
- Street Level Imagery module
- `NMASmartMobilityParkingSearchStrategy`
- `NMAVenue3dController` `venueZoom`
- `NMAVenue3dController` `venueZoomInUse`
- `NMAVenue3dController` `getScaledGeoCoordinatesFromNormal`
- `NMAVenue3dController` `getNormalGeoCoordinatesFromScaled`
- `NMAVenue3dGestureHandler` `gestureHandlerWithVenueMapLayer`
- `NMAVenue3dGestureHandler` `initWithVenueMapLayer`

Changed

- `NMASmartMobilityParkingSearchStrategy` is renamed to `NMAUrbanMobilityParkingSearchStrategy`
- `NMASmartMobilityCarOptions` is renamed to `NMAUrbanMobilityCarOptions`
- `NMASmartMobilityTransitOptions` is renamed to `NMAUrbanMobilityTransitOptions`

Removed

📄 **Note:** APIs that have been deprecated for more than one year were removed in this release.

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

Known Issues

- Maps that have a non-default `transformCenter` and a zoom level of 7 or lower may appear to flicker when the user uses a panning gesture.
- `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
Indoor Positioning Solution	Apps and instructions to support HERE indoor positioning

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 v3.7 Developer's Guide.pdf	HERE iOS SDK Developer's Guide
HERE iOS SDK Premium Edition v3.7 Release Notes.pdf	This document
README.md	Instructions for using HERE SDK through CocoaPods.
HERE-sdk.zip/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.
HERE-sdk.zip/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.
Indoor-Positioning-Solution/docs/Indoor Positioning v3.2 Installation Guide.pdf	Instructions on how to set up Indoor Positioning

Getting Started

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

- **Note:** Developers using the HERE iOS SDK in their application projects must embed or link to the legal text provided in [Copyright Information](#) on page 16 from a user-accessible area of their application.

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 10 or above. iOS 11 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 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 9 or above, running on macOS 10.12.6 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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```

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Mesa 3-D graphics library
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=== malloc_count ===

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Portions of code from:

MODP_ASCII - Ascii transformations (upper/lower, etc)

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=== Snappy 1.1.2 ===

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=== Squish 1.11 ==

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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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