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SKYLARK™

PRODUCT SUMMARY

# Uniform Country-Wide Precise Positioning

**Skylark is a cloud-based GNSS corrections service that enables accurate and reliable precise positioning for location-based products across industries and around the world. Skylark delivers near RTK-level accuracy with uniform coverage and high availability for products and applications that just have to work–everywhere, always.**

## FEATURED USE CASES


Automotive


GIS


Logistics & Fleet Management


Outdoor Robots

## HIGH PRECISION

Decimeter level accuracy and convergence in seconds, with uniform performance across major markets in North America, Europe, Asia, and Australia.

## RELIABLE

Broad coverage and high availability, backed by a carrier-grade network and commercial-grade SLA.

## EASY TO DEPLOY

Interoperable with a wide range of third-party components, tested and validated with leading platforms and positioning engines.

## GUARANTEED SAFETY

High integrity positioning available for safety-critical products and applications, compliant with ISO 26262 for ASIL-B.

## MASS MARKET PROVEN

Scalable to support billions of devices worldwide.

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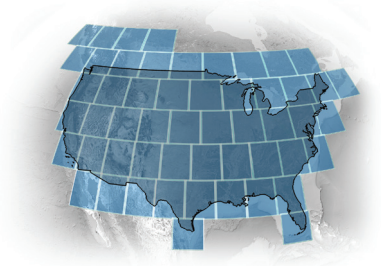
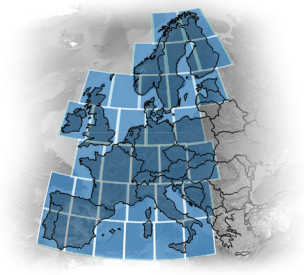
## SSR Tile Coverage

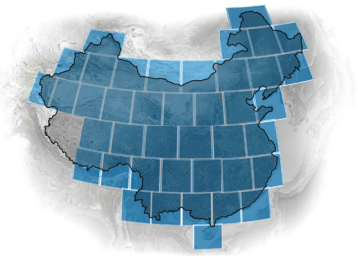


North America Coverage

Japan and Korea Coverage



Europe Coverage



China Coverage[1]

Test network available in Australia. Network deployments in progress in Eastern Europe and across the rest of Canada.

| | |
|---|---|
| CORRECTIONS TECHNOLOGY | PPP-RTK |
| ACCURACY | <10 $cm^2$ |
| CONVERGENCE TIME TO DECIMETER ACCURACY | <20 seconds |
| COVERAGE | Country-wide |
| STREAM DELIVERY MECHANISM | IP based, directly through Skylark or via third-party infrastructure/cloud |
| SUPPORTED GNSS SIGNALS | GPS L1CA, L2C, L5<br>Galileo E1, E5b, E5a<br>Beidou B1i, B2a, B1C |
| SUPPORTED 3RD-PARTY CLIENTS | 3rd Party RTK receivers<br>via NTRIP / RTCM |
| CORRECTIONS AVAILABILITY | 99.9% minimum |
| INTEGRITY | Protection level of 1m and TIR of $10^{-7}$ failures / hour[3] |
| INTERFACE | NTRIP 1.0 / 2.0 |
| DATA FORMATS | RTCM 3.1 & RTCM 3.2 (OSR)<br>SSR[4] |
| REFERENCE FRAME | ITRF 2014 |

[1] The Skylark GNSS corrections network in China is operated by a third party licensed by the Chinese government

[2] Actual system performance may vary, dependent but not limited to: use-case dynamics, receiver and antenna characteristics, location of operation.

[3] Using Swift's Starling Positioning Engine and SSR

[4] Third-party receiver support is coming soon for SSR

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