

SKYDEL NAVWAR

for deception systems and C-UAV applications



**REAL-TIME DECEPTION
FOR CRITICAL ASSET PROTECTION**

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Skydel NAVWAR is a powerful software solution enabling electronic deception for counter-UAV (C-UAV) applications. It forms the core of Safran's C-UAV system, disrupting UAV navigation by simulating authentic GNSS signals. Designed for critical asset protection, **Skydel NAVWAR provides integrators with the foundation to build sovereign spoofing platforms**. Whether safeguarding airports, prisons, government facilities, mass events, naval assets, or borders, this real-time platform allows nations to regain control over hostile drone threats. By embedding on tactical platforms and integrating seamlessly with sensors and command-and-control (C2) units, Skydel NAVWAR delivers remote spoofing operations—even when the operator is not physically present.

KEY ADVANTAGES

- Designed for C2 integration and ready to interface sensors or commands.
- Adds Skydel NAVWAR engine to existing C-UAV or electronic warfare platforms.
- Empowers national autonomy in building their own C-UAV capabilities.
- Simplifies GNSS spoofing logic for streamlined integration and response.
- Ready for embedded platforms.
- Secure solution with cyphered and authenticated API, secured OS, and resiliency to system loss in the field.
- Remote monitoring & control.
- Enhance operational readiness with the embedded, real-time spoofing function.

SKYDEL KEY FEATURES

- » Multi-constellation, multi-frequency.
- » Thousands of satellites can be simulated in real time using COTS hardware - including LEO constellations.
- » 1000 Hz simulation iteration rate.
- » High-end performance (precision, resolution, ultra-high dynamic motion).
- » Powerful automation and intuitive API (Python, C#, C++).
- » Flexible licensing and unparalleled upgradability.
- » Plug-in SDK to allow custom plug-in creation.
- » Operating Systems: Windows and Linux.
- » Signal Dynamics:
 - Maximal relative velocity: 1,500,000 m/s.
 - Maximal relative acceleration: no limits.

SUPPORTED GNSS CONSTELLATIONS

- GPS: L1-C/A, L1C, L2C, L5
- NavIC: L1, L5, S
- Galileo: E1, E5a, E5b, E5 AltBOC, E6HAS
- BeiDou-2: B1, B2
- BeiDou-3: B1C, B2a, B3I
- QZSS: L1-C/A, L1 C/B, L1S, L2C, L5, L5S, L6
- GLONASS: G1, G2, including Restricted codes
- SBAS (L1/L5): WAAS, EGNOS, MSAS, GAGAN, SDCM, KASS, AUSBAS
- LEO PNT signals
- Custom signals

FREQUENCY BANDS

- All GNSS bands

Skydel NAVWAR is **field-proven** in several C-UAV systems.

Contact us for more information:

safran-navigation-timing.com/contact