

§ 01 / OFFLINE BASEMAPS

ATTENTION ATAK USERS

Stop scraping tiles. Start operating.

Mission-ready 1° pre-cut WGS84 GeoPackages for ATAK & WinTAK in austere CONUS operations. OpenStreetMap and NAIP – 100% offline.



ATAK • OSM RASTER • BOSTON, MA

SIDELOADED .GPKG

EPSG:4326

NATIVE WGS84

ZOOM 17

FULL PYRAMID

\$1.00

PER 1° CELL

0 RF

EMISSIONS IN USE

01

Engineered for tactical edge & DDIL

Built for disconnected, denied, and austere operations. Sideload the .gpkg straight into `/sdcard/atak/imagery/` on Android or a map directory in WinTAK. Zero network dependencies, zero RF emissions.

02

No more “outline only” or frozen downloads

Skip the 14-hour scrapers, the IP bans, and the in-app downloaders that stall or render blank outlines. Clean, verified, pre-built pyramids down to **zoom level 17**, in minutes.

03

WYSIWYG transparency

What you see in the map explorer at lcic.xyz/products/map is the exact raster pyramid baked into the file. Inspect your operational area at full zoom before you buy.

Terrain reality at the edge.

1° orthoimagery draped in 3D. Line-of-sight, HLZ verification, victim location — drawn from a file on the device, with the radio silent.



ATAK 3D · NAIP ORTHOIMAGERY · EYE ALT 3,228 FT MSL

HLZ + VICTIM MARKED ON THE GROUND

01

Native EPSG:4326 — zero reprojection lag

TAK engines run natively on WGS84. We package tiles in native EPSG:4326, eliminating the real-time CPU reprojection from Web Mercator that overheats devices, stutters panning, and drains battery in the field.

03

Predictable 1° graticule footprints

Standard 1° × 1° WGS84 cells — roughly 650 MB for OSM, 2.3 GB for NAIP. Modular sizing avoids multi-gigabyte TAK Server sync crashes and makes physical USB/SD sideloading frictionless.

02

Built for midday sunlight

Rendered with an in-house engine tuned for high tactical contrast: bold trail and road hierarchies, distinct watercourses, and high-legibility labels readable on 400-nit handheld screens in full daylight.

04

True air-gap sovereignty

No recurring SaaS tokens, no seat licenses, and zero telemetry phoning home. **Pay \$1.00 per 1° cell** once, keep the file on disk, and deploy in total radio silence. It's yours forever — about 178,125 image tiles per GeoPackage.

Inspect the ground before you pay for it.

The map explorer is the catalog. Pan to your operational area, sweep a block of 1° cells, and watch the order price itself as you go.

The screenshot shows the LCIC Map Explorer interface. The main map area displays a satellite view of the Arizona-Utah high desert region, with a 36-cell grid overlay. The grid is labeled 'Grand Canyon, Arizona' in the top right corner. The interface includes a search bar, navigation controls, and a right-hand panel with the following sections:

- DATA PRODUCTS**
 - 01 LAYERS**

One layer at a time, drawn over the reference basemap.

 - OpenStreetMap raster tiles · 2025 3
 - NAIP aerial imagery · 2019 2
 - OpenStreetMap shapefiles · 2025 BY REGION
 - 02 SELECTION**

36 cells

-115, 33 - -109, 39

ADD TO CART

ADDS 36 CELLS UNDER OPENSTREETMAP RASTER TILES · 2025.

With the select tool active, click a cell to add it and click it again to drop it. Drag to sweep a whole block. With the map focused, arrow keys pan and Enter takes the center cell.
 - 03 CART**

Orders have a **\$10.00** minimum.

CART IS EMPTY. Select cells and add them to start an order.

Everything you add is banked against the layer that was on at the time. Switch layer and add again to put a second product in the same order.

At the bottom of the map, there is a small text box that reads: 'Derived from OpenStreetMap data © OpenStreetMap contributors.'

MAP EXPLORER · 36 CELLS SWEEPED ACROSS THE ARIZONA-UTAH HIGH DESERT

EPSG:4326 · WGS 84

01

The same pyramid you will download

The explorer draws the identical raster pyramid that gets baked into the GeoPackage. Zoom to full resolution over your AO and confirm the labels, the road hierarchy, and the imagery date before a card is ever entered.

02

Priced by the degree, not by the seat

Click a cell to add it, click again to drop it, drag to sweep a whole block. Cells are **\$1.00 each** against a \$10.00 order minimum, and the running total and estimated download size sit in the panel the entire time.

03

Coverage is the catalog

Aerial coverage is flown per state, so the footprint is ragged by nature. The explorer offers only the cells that have actually been cut – nothing enters the basket that we cannot deliver.

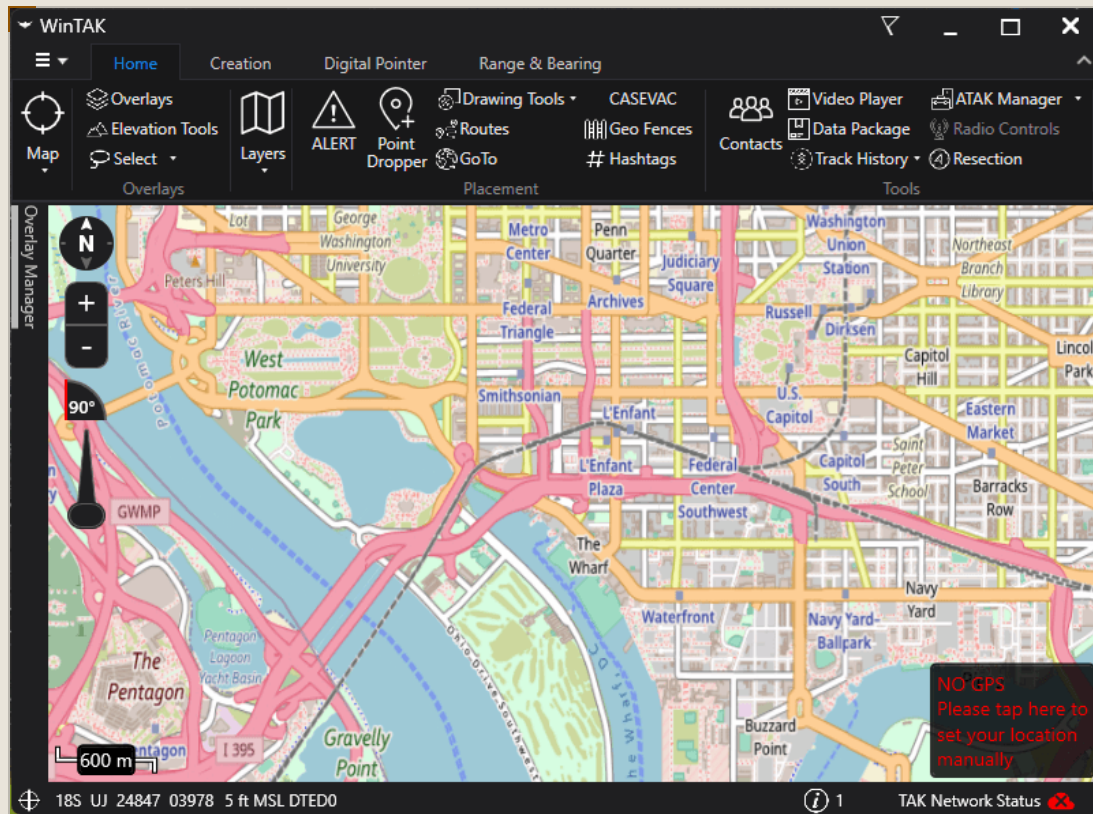
04

Three products, one basket

OpenStreetMap raster, NAIP aerial imagery, and OpenStreetMap vector shapefiles by continent. Switch the layer and sweep again to put a second product on the same order.

Stream the same data with Axis WMS.

Run LCIC's Personal Map Server on a field laptop and broadcast the whole basemap to the team over Wi-Fi or MANET – no internet, no cloud, no plugins.



WINTAK · LOCAL WMS ENDPOINT · WASHINGTON, DC

18S UJ 24047 03978 · 5 FT MSL

01

Squad-scale edge streaming

Need to support an entire team without filling up phone storage? Spin up the Personal Map Server on a field laptop and broadcast local WMS, WMTS, and XYZ tile streams over Wi-Fi or MANET.

02

Zero-footprint EUD performance

Keep lightweight handhelds, body-worn tablets, and end-user devices fast. Instead of forcing team members to load multi-gigabyte files onto limited internal storage, the server streams high-resolution tiles on demand over local tactical networks.

03

Air-gapped squad common operational picture

Ensure every operator views the exact same basemap layers simultaneously in DDIL environments. Serve high-contrast OSM and aerial orthoimagery across tactical MANET radios or vehicle Wi-Fi hotspots with no internet and no remote cloud dependency.

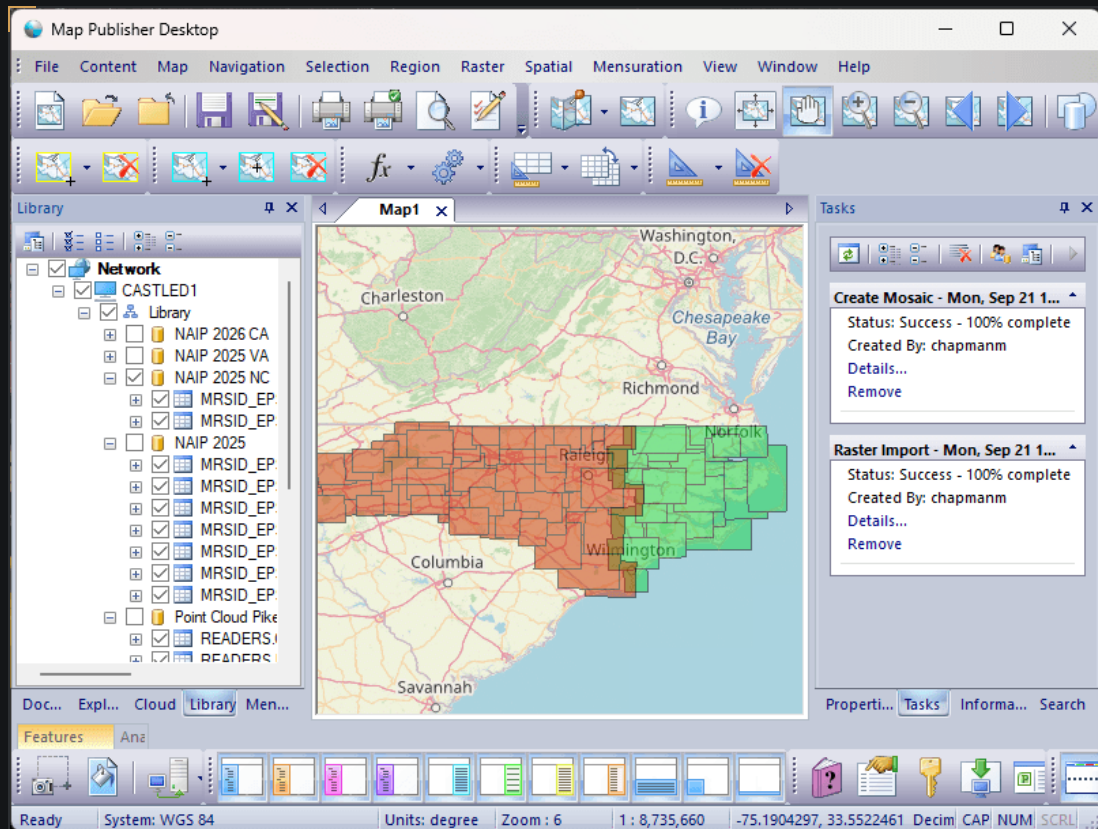
04

Native OGC interoperability across the TAK family

Instantly connects into WinTAK, ATA-CIV, and iTAK via standard WMS, WMTS, or XYZ endpoints. Point your TAK clients at the local host address and start streaming ground truth in seconds – no custom plugins, no complicated server configuration.

Or buy the tool and cut the data yourself.

A perpetual \$99 license for the workstation engine that produces every cell we sell. Point it at your own imagery and own the pipeline outright.



MAP PUBLISHER DESKTOP • NAIP 2025, NORTH CAROLINA

WGS 84 • ZOOM 6

01

Sovereign, unmetered map production

For the price of a single seat you own the perpetual engine to ingest and convert unlimited terabytes of private NAIP, NITF, MrSID, or raw drone imagery into optimized .gpkg files. **Stop paying per-gigabyte cloud processing fees.**

02

Custom defense & drone pipelines

Have raw drone orthomosaics, sensor feeds, or legacy formats – CADRG/ECRG, NITF, DTED? The high-performance C/C++ Axis Suite and its parallel processing engines convert bespoke sensor data into field-ready TAK GeoPackages on demand.

03

Enterprise throughput on consumer hardware

Map Publisher turns an average \$99 laptop license into a high-speed tile factory, generating the same full-pyramid WGS84 GeoPackages that enterprise cluster solutions take hours to compile – without the server overhead.

04

A total pipeline for the cost of a meal

The license includes the complete toolchain modern tactical teams need: a high-contrast vector renderer, an image pre-processor for contrast and color normalization, and a multi-threaded .gpkg tiling engine.

Ready to operate offline?

LCIC LLC delivers the engineering precision, data sovereignty, and field performance required by modern tactical and austere operators. From \$1.00 CONUS graticule cells to the \$99 Map Publisher workstation engine, we build the tools that keep your maps up when the connection goes down.

01 Buy pre-cut 1° CONUS data

Inspect, select, and download high-contrast OSM and NAIP GeoPackages instantly.

lcic.xyz/products/map

02 Buy Map Publisher & Axis licenses

Acquire the \$99 perpetual license and start cutting your own drone, NITF, and vector data.

lcic.xyz/products/software

03 Technical specifications

Core architecture, layer descriptions, and the full technical definitions.

lcic.xyz

LCIC LLC

Geospatial Engineering, Software & Technical Services
Castle Pines, Colorado USA

CONTACT

sales@lcic.xyz
303.324.1065



LCIC LCIC.XYZ