

PRODUCT UPDATE LIST – APRIL 2021

At ATDI, software development is at the heart of everything we do. Whether that is in response to technology changes or customer requests, our software solutions are updated regularly. We've outlined a few of the latest features and functions available in version HTZ Communications/Warfare v.23. The download for the latest version is available via the customer portal.

Action codes

PROx files for action codes are a text format defining the terrain, clutter, network parameters and SUL connectors. PROx files can be used with action codes only and allow the creation of project files from a text file.

User Interface update

Improvements have been made to the user interface with buttons and text highlighted when scrolled over. On the legend bar, we have introduced the ability to change the font size for ease of viewing.

Broadcast Coordination – GEO6 Update

When performing GEO6 calculations, you can now define the reference network for coordination calculations. The reference configuration defines the way the reference networks are built depending on the service (DAB/DVB-T etc) or virtual stations around the polygon area. The reference power will be updated, as well as effective antenna height.

When performing a coverage of an allotment (virtual station), the reference network will be considered to compute the coverage. It's possible to understand the radiation from that allotment, using the theoretical rules from GEO6 and when a station is an allotment type, then the calculations are made for each configuration.

HTZ Warfare Action codes

Search nodes are used with polygons when linking stations and groups of stations. This feature adds new stations to interconnect the different groups of linked stations. This can be automatic inside the given area selected. The user can define the max. number of nodes to be added. NB. The quasi-optimal mode will potentially achieve a better outcome. The calculations use a predefined coverage to add nodes and then generate a report for the interconnections established.

Zip files for cartography and additional files can now be used in action codes, instead of specifying the project name, then can be replaced with a zip file.

P2MP - Ability to select the shortest path. Using a reference station, select the shortest path and associated rule. Using links you can highlight the shortest path through linked stations.

Propagation modelling – climate and rain maps

Ability to create rain maps (raster) from vector polygons in a given area. This allows you to specify different rain maps (default ITU). If another rain map is used, the rain rate will be updated in the propagation calculations or reliability calculations.