Change list

City**GRID**® 2023 Release 17.0

This document outlines the improvements and enhancements made to City**GRID**®. Items are listed by Module and referenced (where appropriate) by the issue tracking reference (otherwise known as the Team Foundation Server ID: e.g. F-425). References are used by clients to track implementation of requests submitted to UVM Systems. Further information on new and altered functionality is available in the relevant User Manual.

Following items are translated automatically, please apologize erratic spelling and unusual sentence compilation.

CityGRID® Manager, CityGRID® Administrator

Recent Developments

- Currently, FME versions 2022, 2021, 2020 and 2019 are supported. The support of FME 2018 or older is no longer given as of this version. (A-1970)
- Currently City**GRID**® is executable under Autodesk 3dStudio Max versions 2023, 2022, 2021 and 2020. Support for 3dsMax 2019 or older is no longer available as of this version. (A-1970)
- With this version, City**GRID** ® is converted from single-byte coding to Unicode.
- An additional criterion has been introduced for automatic texturing, the percentage of visibility. This improves image selection for more difficult situations. (A-2518)
- The City**GRID** ® Manager is published as a new module of the City**GRID**® product family as an extension to the Administrator. In the City**GRID**® Manager it is now possible to display the content of a City**GRID**® database graphically, to select data in it with different possibilities and to export it in all formats offered by the Administrator so far. Additional functions will be offered in Manager in the future.
- Image pyramids are used on one hand to enable efficient work in Modeler and on the other hand to enable a certain metric resolution during export. What is new in the export is that up to resolution level 200 (corresponds to pixel size 200mm) a homogeneous resolution of

all images is guaranteed. Higher values for the pixel size (poorer resolution) may result in mixed resolutions (as smaller images may have sharper resolutions) (E-2500).

Fixed Problems

- In a CityGRID database, only attributes whose content did not exceed 256 characters were supported until now. To change this, the attribute type was changed from VARCHAR to BLOB (A-2516)

CityGRID® Modeler

Recent Developments

- With this version, communication between external CityGRID applications and the Modeler is implemented. Currently, communication with the CityGRID Shaper is supported. (A-2435)

- Until now, if penetration resolution between details was enabled, the areas of LoD2 details were eliminated by LoD3 details. This has been made optional with a new penetration resolution option (*Resolving penetraions: detail-EK with detail-EK (LoD>=)*). (A-2542)

Fixed Problems

- Up to now, errors "Polygons don't have intersection" occurred again and again in the roof overhang tool in the Modeler, if several 3d identical polygons were located on one floor plan layer. This has been fixed, the roof overhang is formed anyway. (E-2487)

CityGRID® FME Module

Fixed Problems

CityGRID® Builder

Fixed Problems

CityGRID® Scout

Fixed Problems

Recent Developments

- In Scout, an interface to PTV Vissim was created in the course of a project, which is available with the appropriate licensing. (F-2474).

CityGRID® Solid

Fixed Problems

CityGRID® Shaper

- With this version, the City**GRID®** Shaper module is published for the first time.