GGZ Format Description 1.0

Change Log

4/30/2013 – Initial Release

Format

Geocaches in GPX Format, Zipped. GGZ files are a container of GPX files and metadata about them.

Container

The GGZ container format is ZIP 2.0 (http://www.pkware.com/support/zip-app-note/archives)

Compressor must be 'deflate' or 'store'

In this document, paths starting with '/' refer to the path relative to the root of the ZIP container

Data Files

GGZ files must contain one or more GPX files, similar to those available on opencaching.com or groundspeak.com. Each GPX file must contain one or more geocaches, as denoted by the groundspeak GPX extensions.

GPX files are placed under /data/

Document text must be encoded as UTF-8.

Individual GPX files should be kept under about 5MiB.

Multiple small GPX files should be combined together into a GPX file of at least 100 KiB before storing in the GGZ archive.

GPX files may be placed inside subfolders in the GGZ archive, provided that the subfolder is under the root /data/ folder.

Index File

The index file is placed at /index/com/garmin/geocaches/v0/index.xml in the archive

XML must be encoded as UTF-8