

RabbitEars Work Requirements

- There is no on-going support obligations after the stated work is completed. I will be conducting any long-term maintenance. I do reserve the right to ask questions if I do not understand something in the course of conducting said maintenance.
- RabbitEars is currently powered by PHP 5.6 and MySQL. It should be rewritten in PHP 7.1 and the latest MySQL, unless I am convinced that an alternate set of open-source tools, such as Python and/or PostgreSQL is superior. As I will be maintaining the site in the long-term, and my skills are primarily with PHP and MySQL, it will be a high bar, but one I am willing to entertain.
- RabbitEars is currently based on the FCC's CDBS database for TV stations. This database is being retired in favor of the LMS database, which is much more complex and uses hexadecimal UUIDs as primary keys. The database import code needs to be written and the site code rewritten to be based upon the LMS database. Additionally, the code should support certain data from CDBS, ULS, ASR, and the FAA databases.
- The existing database contains information not retrieved from public sources. This data should be ported to the new site code and database with minimal manual effort.
- Imported FCC records should have an "overlay" ability. This would allow for corrections to be made to invalid data without modifying the underlying records. I am envisioning this as any lookup searching both the FCC record and the overlay records. If no overlay record is found, the FCC record is displayed as provided. If an overlay record is found, any data included within it is displayed in lieu of the matching data field in the official FCC record. More explanation is available upon request.
- Subchannel data is currently directly associated with a station license. This data should, going forward, be abstracted away to provide for easier tracking and updating. More explanation is available upon request.
- Features covered in this rewrite include, but are not limited to:
 - Overall mobile compatibility improvement, if feasible
 - Main listings
 - Blog, which can be replaced with new blog software if appropriate
 - User management, which would be nice to combine with the blog, if feasible
 - Network grid, probably the least efficient and messiest piece of code on the site
 - Site updates and associated e-mail functionality
 - TV query
 - The assorted maps, hopefully streamlining and combining them to eliminate redundant code
 - Some of the searches and related functions, including support for the FCC's TVStudy software if feasible
 - Database import functions
 - Some of the administrative functions
- Not included in the rewrite is the Live Bandscan, various static pages, and the advanced or discontinued services. I'm hoping to rid myself of some things that are no longer necessary as part of this process, and things like the static pages or the Live Bandscan do not need work or are maintained by others.