

## **DEMOS competition in BASIC.**

Programs written in BASIC are searched for 8-bit classic computers that demonstrate not only the capabilities and possibilities of the BASIC interpreter of the machine in which it is programmed, but especially the skill, imagination and knowledge of the programmer.

The programs are demos. This means that, unlike games or other programs, these do NOT interact with users, but only show their performance in graphic and sound.

### **RULES:**

- The program must be written in the original BASIC of the machine. This program must be original and not be published before in any medium, either electronic or physical.
- The machines have to be models that were released to the market based on 8-bit processors during the decades of the 1970s, 1980s and 1990s, that had an interpreter of the BASIC programming language.
- Routines written in assembler or machine code will not be accepted, although they are encoded in the Basic code, but calls to ROM routines are allowed.
- The use of commands to change memory positions (PEEK and POKE commands) are allowed, as long as it does not contravene the previous section.
- The program can not be in "autorun" mode after loading it. This must be able to be listed on the machine after it is loaded and it must be possible to execute it after entering the command necessary for it ("run" or the one that the Basic version of the machine uses).
- The judges will be members of CGR. Your decision will be unappealable.
- The documentation to be submitted together with the program should include the machine for which the program is done, including the model if it were necessary, the category in which it is competed (1, 2 or 3), the name or handle and email of author. Additionally, "screenshots" of different parts of the demo will be appreciated. The content will be sent compressed in a ".zip" file with the name of the demo.
- Both, the program and info of it must be sent in separate files in plain text, without formatting.
- The length of the demo should not exceed 5 minutes. In case of exceeding this time, only the first 5 minutes of the demo will be shown and evaluated. Any screen or subsequent effect will be ignored.
- The demos may show all types of material, although pornographic, violent or political content will not be allowed. We appeal to the common sense of the participants.
- Although all the demos that conform to the rules of these rules will be evaluated, only those that the jury determines that can be shown to all types of audiences, including children, will be made public.
- If during the execution of evaluation of the program this will generate an error of any nature, the program will be discarded from the competition.

- By the fact of participating, the author allows the CGR organization to publish and make use of the work as promotion of the competition, always crediting the author.

- By participating in the competition, the author accept all the competition bases.

#### **DATES:**

The deadline to submit the works ends at 23:59 GMT on November 15, 2018.

The jury will give its evaluation as of December 15, 2018 and will be published on the official website of the competition.

#### **CATEGORIES:**

- 1) Programs that use the entire memory of the original machine.
- 2) Programs that use a maximum of 1024 characters (1 kb). This means that if we count all the characters (line numbers also count) including spaces and carriage returns in the source code before putting it into the machine, there should not be more than 1024 units.
- 3) Programs that use 16384 characters (16kb). The same as category 2, but with 16384 instead of 1024.

The contractions in the language that the different versions of BASIC support are allowed.

Explanation of why number of characters are used:

- Different versions of BASIC use different storage models of the code in memory. While some store the "tokens" of each instruction, others save the line as it is written. Therefore limit according to the number of bytes, it is impossible to be a competition in which all types of eight-bit systems are supported.

- Additionally, while some versions of BASIC support lines of 80 characters maximum, others support up to 255 characters per line, so delimiting by number of lines is not reasonable either.

#### **AWARDS:**

- The winner and the two finalists of each category will have public recognition of their work on the website.
- Other prizes that will be announced on the event's official website will be considered if they become effective.

#### **HOW TO PARTICIPATE:**

- A flat text file without format with the following sections:

- Program Title.
- Program description.
- Comments.
- Machine and model in which the program runs.
- Emulator suggested to run the program and web page to download it. This emulator must be free code or at least, free to use and downloadable without registration.
- Category in which you compete.

- Nick name of author.
- Email.

- A flat text file without formatting with the program written in BASIC.
- A file with the program ready to be loaded by the emulator. (.tap, snap, or the one you use)

And it will be sent to the following email address:

**demosbasic@canariasgoretro.org**

putting in the subject "DEMO BASIC 2018".

### ***TECHNICAL METHODOLOGY USED TO JUDGE THE CONTENT***

- The file containing the program written in BASIC will be taken and the characters in it will be counted, using a text editor that allows it to determine if it fits the requirements of the category, if not, the program will automatically be disqualified from the competition.
- In case of not adjusting to the chosen category, it will be discarded from the competition.
- The file sent from the program will be loaded in the emulator.
- If the program gives an error, it will try to test in a second emulator. Repeating the error, or not finding an alternative emulator, will be removed from the competition.
- The emulators used will be those available with open licenses or allowing their use for free.

### ***THE JURY WILL TAKE INTO ACCOUNT:***

- Originality.
- Aesthetic of the result.
- Technique and complexity of execution.
- Machine where it has been made.