

ALEXANDRIA v1.3

RX COMPETITION CHECKING PROGRAM



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1. INTRODUCTION

WHAT IS ALEXANDRIA

ALEXANDRIA is an official RX Competition Checking Program for Windows (TM). It is used for checking the RX results from Alexandria Internal Morse Code Generator (MCG) or from external Morse Code Generator like RX_2004 program or HST2006Le from netologic.

Here are some benefits of using ALEXANDRIA Home Edition:

- Increase active practice time by reducing time in verification of the received text;
- Real result, avoiding errors in verification;
- Practice reception on computer, allowed with IARU rule D2.1.1.;
- Prepare for RX Competition and using ALEXANDRIA Network Edition during competition. (Interface is intentionally used to be as possible similar to ALEXANDRIA Network Competition).
- Simplify RX Trainings using Internal MCG.

Here are some benefits of using ALEXANDRIA Network Edition:

- Avoid long-time Jury verifications of the received text comparing each test with the original. Classification is known after the last competitor enter the text;
- Avoid errors during Jury manual verifications;
- Avoid complains after the results are published;
- Avoid changes in the official results after the results are displayed;
- Real-time result after competitor send the text to verification;
- Real-time results of each group;
- Real-time verification of the competitor on his errors.
- etc.

- Alexandria v1.0 was used first time at 6th IARU HST World Championship 2005 held in Ohrid, Macedonia.
- Alexandria v1.2 was used at IARU R1 HST Championship 2006 held in Primorsko, Bulgaria.
- Alexandria v1.3b was at Cupa Moldovei 2006 held in Iasi, Romania.

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2. General Information

Updates and Support

Updates (if any) can be found at IARU R1 HST Chairman.

Bug reports

If you find a bug in ALEXANDRIA you can report it at one of the addresses mentioned below. Please provide the following information:

- An exact description of the bug (how can it be reproduced?)
- version number and release date of ALEXANDRIA
- Windows version

Support

If you still have questions, bug reports etc. you can reach me at the following addresses:

If you're on the Internet you can contact me to:

- E-mail: picard@mt.net.mk
- ICQ: 15644350
- Yahoo MSG: tonistanojoski@yahoo.com
- MSN MSG: stanojoski@hotmail.com
- Phone: +389 71 2 765 88

You can also write to my postal address:

Toni Stanojoski
Gjore Gjorevski 52
1000 Skopje
Republic of Macedonia

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2. General Information

License/Copyright

LICENSE AGREEMENT

ALEXANDRIA End User License Agreement

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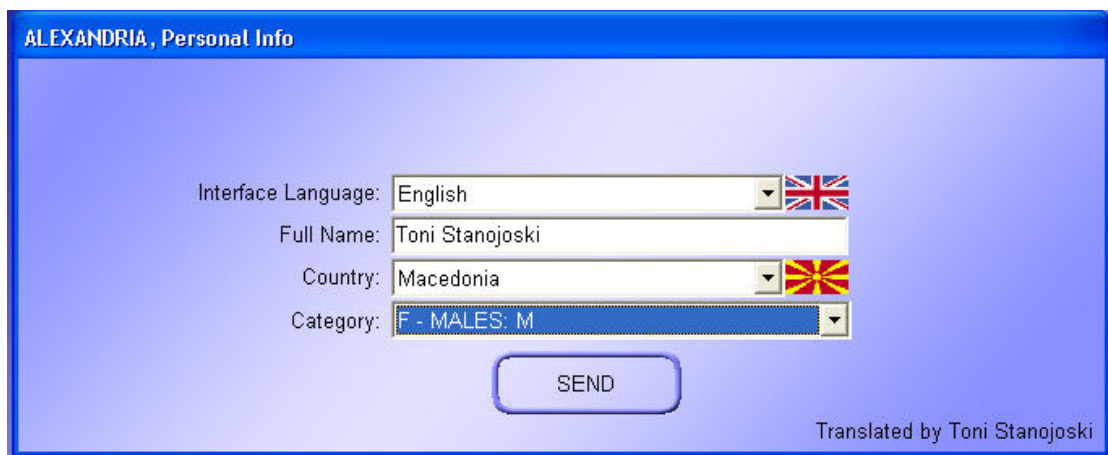
3. Operation

ALEXANDRIA Home Edition


ALEXANDRIA Home Edition is stand-alone program for RX_2004 or HST2006Le verification. Its use does not require network, or any specific hardware for connection.

STEPS to use ALEXANDRIA Home Edition:


1. Select Interface Language
2. Enter your full name
3. Enter country for which you are competing
4. Enter category in what you are competing
5. Click SEND when 1-4 is done to continue



ALEXANDRIA, Personal Info

Interface Language: English 

Full Name: Toni Stanojoski

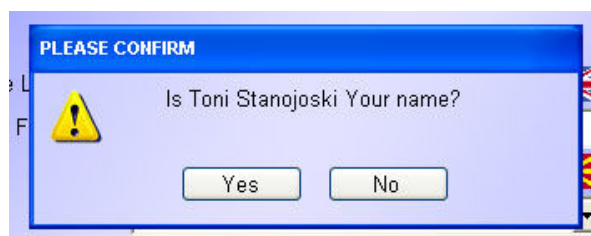
Country: Macedonia 

Category: F - MALES: M

SEND

Translated by Toni Stanojoski

6. Confirm your name (Yes to continue, No to return)



PLEASE CONFIRM

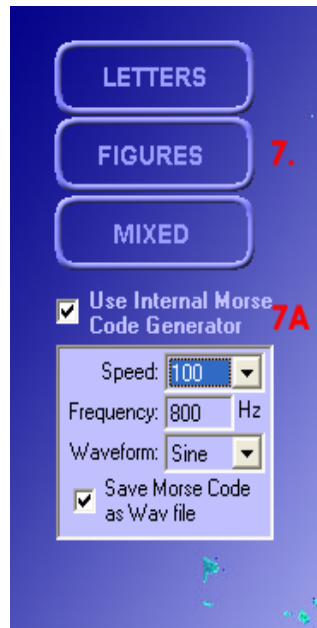
Is Toni Stanojoski Your name?

Yes No

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7. Choose RX verification of Letters, Figures or Mixed Text



- 7A. Select "Use Internal Morse Code Generator" if you want to use Internal MCG, otherwise for use with external programs do not select it.

- Configure Starting speed, Tone Frequency, waveform and option for Saving Morse Code as Wav file. The wave files (if selected) are saved in "application path / Internal MCG" as well as the Morse Code Generated Text File.

8. Reading the Info before entering text is always beneficial, to remind yourself to the steps in this part;
9. Enter first Speed for the first text (groups) what you will enter;
10. Enter Groups and **verify**;
11. Enter second Speed for the second text (groups) what you will enter;
12. Enter Groups and **verify**;
13. Enter third Speed for the third text (groups) what you will enter;
14. Enter Groups and **verify**;
15. Check for any blue, red or gray (inside the text) color text boxes according the legend:
 - a. GRAY means there is no character entered. The text box is empty. **ERRORS** will be present only if the text box is left empty but actually contains text.

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- b. WHITE means the text box contains 5 characters
- c. RED means competitor entered MORE than 5 characters.

ERRORS will be present here!!! (N° chr - 5)

- d. BLUE means competitor entered LESS than 5 characters.

ERRORS will be present here!!! (5 - N° chr)

**VERIFY EVERYTHING AGAIN, THERE IS PLANTY OF TIME
(PRACTICE FOR THE COMPETITION REMMEBER? :)**

16. If Using Internal MCG then after clicking send to jury results will be shown. If not, after "send to jury" you should select the Morse Code Text file generated from the external program after what results will appear.

Now the results are displayed.

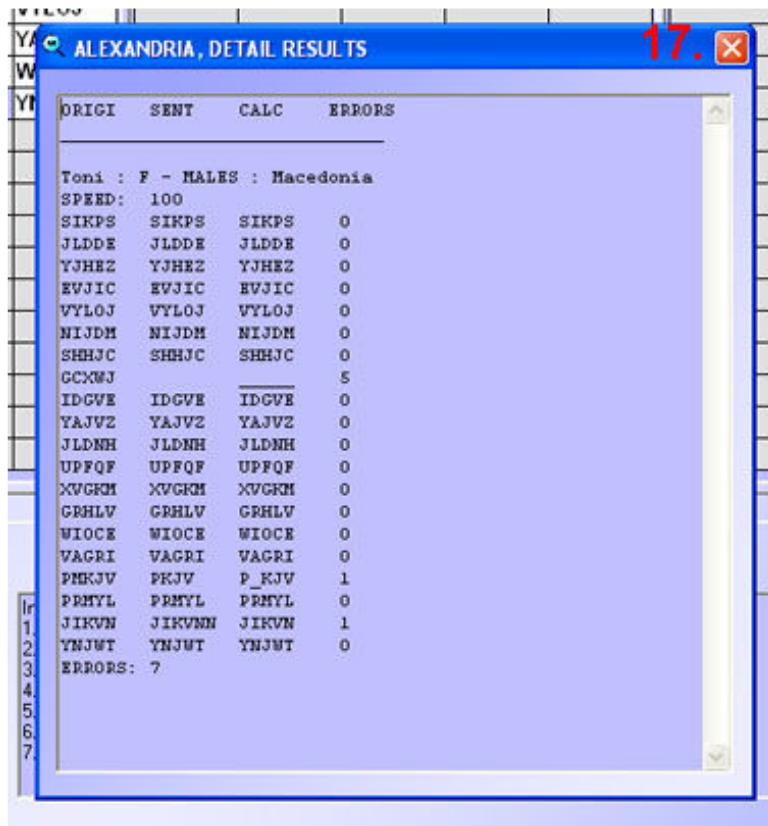
There are 4 columns present:

- **ORIGI** -is the ORIGINAL text sent by RX_2004 or HST2006Le
- **SENT** -Text that the competitor received
- **CALC** -Computer generated group from SENT compared to the ORIGINAL and from which the errors are calculated. "_" means missing character.
- **ERRORS** - N° of errors in that group.

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17. Close the Results form.



With this verification is complete. Now you may continue with other. The program is saving every verification made to: (app.path - application path where the program is saved, usually "C:\program files\alexandria\").

APP.PATH & "\\results\<>DATE+TIME>.txt"

Usually:

C:\program files\alexandria\results\<>DATE+TIME>.txt

In this case:

20051102231812.txt meaning:

2005 - Year
11 - Month
02 - Date
23 - Hour
18 - Minute
12 - Seconds

The file contains the performed verification.

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3. Operation

ALEXANDRIA NETWORK EDITION

This is little more complicated and IT knowledge requested. Maybe the best thing is to consult with some network administrator. Now let's start first from the program specification.

First the program is limited up to 40 computers. It is possible to increase it up to 254. If in any competition needed, please contact me to change it.

In the network it should be present 1 (one) with ALEXANDRIA **NETWORK** EDITION - SERVER Program. Its IP Address should be xxx.xxx.xxx.01 This is required because the ALEXANDRIA CLIENT will always look for the server at that address.

Example 1.

CLIENT IP: 192.168.0.5
SERVER IP MUST BE: 192.168.0.1

Range of CLIENT IP's are: xxx.xxx.xxx.02 - xxx.xxx.xxx.41
As I said: Each CLIENT is trying to connect to xxx.xxx.xxx.01 port: xxx.xxx.xxx.YYY where YYY stands for the 20000 + value(D class) of the CLIENTS IP.

Example 2.

CLIENT IP: 192.168.0.5
Will try to connect to: 192.168.0.1 port 20005

The server is all the time listening to ports:
20002 - 20041

IMPORTANT: IF THE SERVER OR THE SWITCH CONTAINS FIREWALL PLEASE ALLOW THESE PORTS TO CONNECT. OTHERWISE THE CLIENT WILL BE UNABLE TO CONNECT WITH THE SERVER. NOTE: WINDOWS XP CONTAINS BUILD IN FIREWALL. DURING COMPETITION IT IS PREFERABLE THE NETWORK NOT TO BE CONNECTED TO OTHER NETWORKS.

DO NOT SHARE ANY FOLDERS AT THE SERVER. IT HAS TO BE WELL PROTECTED

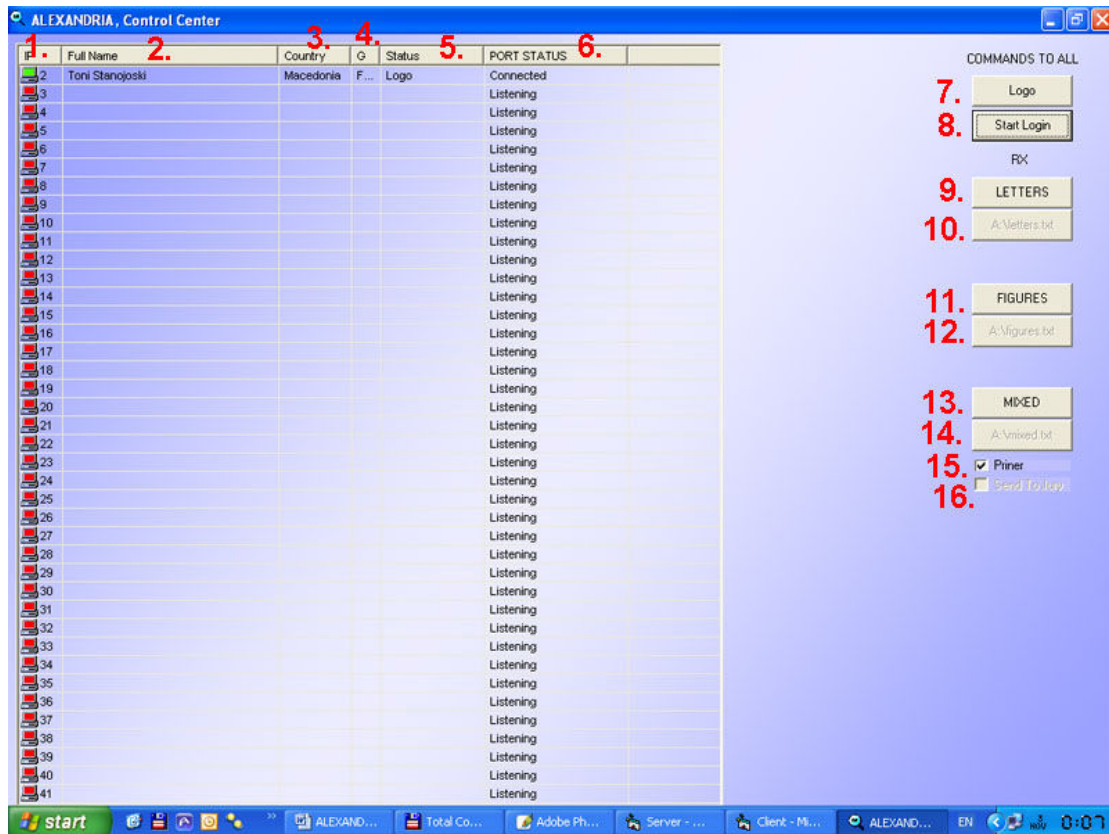
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ALEXANDRIA NETWORK EDITION SERVER

This is the look of ALEXANDRIA NETWORK EDITION SERVER



It contains information list at the left side and command buttons at the right side.

COLUMNS:

1. IP - This column represent the IP address of the competitor. xxx.xxx.xxx.yyy remember? :) So IP is actually yyy. Before the IP N° there is icon of PC.
 RED PC - no one is connected to that port.
 GREEN PC - Competitor is connected.
2. FULL NAME - After the login it shows the name of the competitor logged in.
3. COUNTRY - Country represented by the competitor
4. G - Group (Category) of the competitor
5. STATUS - Status/location of the competitor
6. PORT STATUS - Status of the port

In this list it is enabled right click menu that can send commands only to the selected competitor (maybe someone will be late :)

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7. LOGO - Commands the CLIENT to go to the logo screen
8. START LOGIN - Opens the login form at the competitors
9. LETTERS - Start/open RX LETTERS competition
10. ..\LETTERS.TXT - Load RX_2004 or HST2006Le generated text for verification (the original)
- 11,12,13,14 same as 9 & 10 analog to Figures and Mixed
15. PRINTER - Print or not the competitor report. If it is enabled, it will print 2 reports of the performed verification. One for the competitor and one for the judges. The competitor signs the judge's report. There are important issues here.

THE DEFAULT PRINTER ORIENTATION MUST BE SET AS LANDSCAPE (DEFAULT) BECAUSE THE REPORTS ARE PRINTED IN LANDSCAPE FORMAT

16. SEND TO JURY - Identification of CLIENT enabled or disabled SEND TO JURY key.

The server saves all files to the hard drive.

C:\program files\alexandria\results\raw received data.txt
(This is all the data that ALEXANDRIA NETWORK EDITION SERVER receives from the CLIENTS.. **ALL DATA & CODES**)

C:\program files\alexandria\results\\
In these folders are stored the results and tables of the contestants in that category.

- "! All.txt" - is all results in that category
- "! Results.txt" - is the unofficial result table
- "<competitor>.txt" - individual results

With little practice the SERVER is easy to use.

3. Operation

ALEXANDRIA NETWORK EDITION CLIENT

It is easier to use than the ALEXANDRIA Home Edition, because the administrator using the SERVER is making all the changes to the CLIENT program. The only noticeable difference for the competitor is the table shown at the bottom for the unofficial results. The only thing I will repeat here is:

ALWAYS VERIFY WHAT YOU ENTER... THERE IS PLANTY OF TIME!!

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4. Credits

Updates

Version 1.2

It is created prior IARU Region 1 HST Championship 2006 in Primorsko, Bulgaria. It is added recognition format for HST2006Le Program for Windows XP from Netology
- Andrei Bindasov

Version 1.3

It is created after Cupa Moldovei in Iasi, Romania. In Network Client are added next features:

- New Menu Options
 - o Copy - may copy multiple groups at once
 - o Add 1 Group - Insert a missing group in between
 - o Delete Group - delete group and move all left
 - o Delete All Grops - delete all speed data
- Timer for recopy
- World Record Notification

Thanks for the creative ideas at Roxana Terente, YO4GKD

In Network Server:

- Automatic printing of original text
- Selection of number of prints of comeptitor result
- Generating Table in the category folder
- Morse Code Generator for Home Version

Translations

Many thanks go to the translators of the foreign language versions:

Bulgarian:	Igor Stefanovski
Chineze:	Wumin
Czech:	Ingrid Lakatosová
French:	Martin Mauricette, F8BPN
German:	Aleksandra Stojanova
Hungarian:	Laszlo Weisz, HA3NU
Italian:	Diego Cavalli, IK3WUZ
Japanese:	Miwa Watanabe
Polish:	Małgorzatę
Romanian:	Gabriela Dabija, YO3FBZ
Russian:	Bindasov Andrei, EU7KI
Serbian:	Bobi Kolevski
Slovak:	Ingrid Lakatosová

If there is interest in adding new language support, just translate app.path\languages\english.lng to the new language and send it to me via mail. I will gladly include it in the next version.

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4. Credits **Consultant**

Special thanks to Oliver Tabakovski, Z32T0. Without him this program would not exist at all. He dedicated lots of time for suggestions, testing, new ideas, arranging translations etc.

Beta testers

Last but not least, the beta testers. These people were testing the program up to the late hours, so it can be ready in time. All programmers know that the little errors are most hard to find. Many thanks to:

Milena Furnadzhiska
Tanja Azhderska
Lenka Kalpachka

And Panov Eftim for IT support