Tabulator Command Line Instructions

Relevant to: NYRT120-27/NYRT120-34
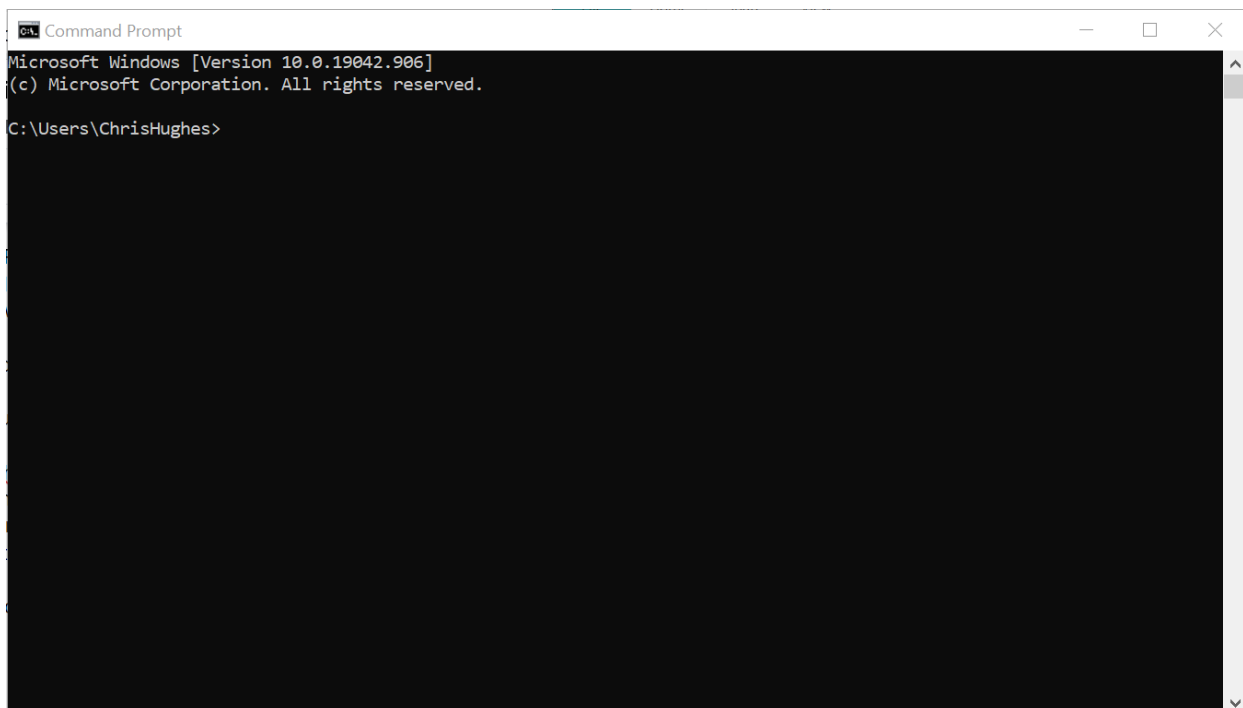
URCVT v.1.2.0 240-NY Command Line Instructions v.1.0.0 document is solely for use in the State of New York. This document can be expanded or updated as is necessary or required. Any recommendations listed in this document should not supersede user jurisdiction procedures or other controlling governance entities.

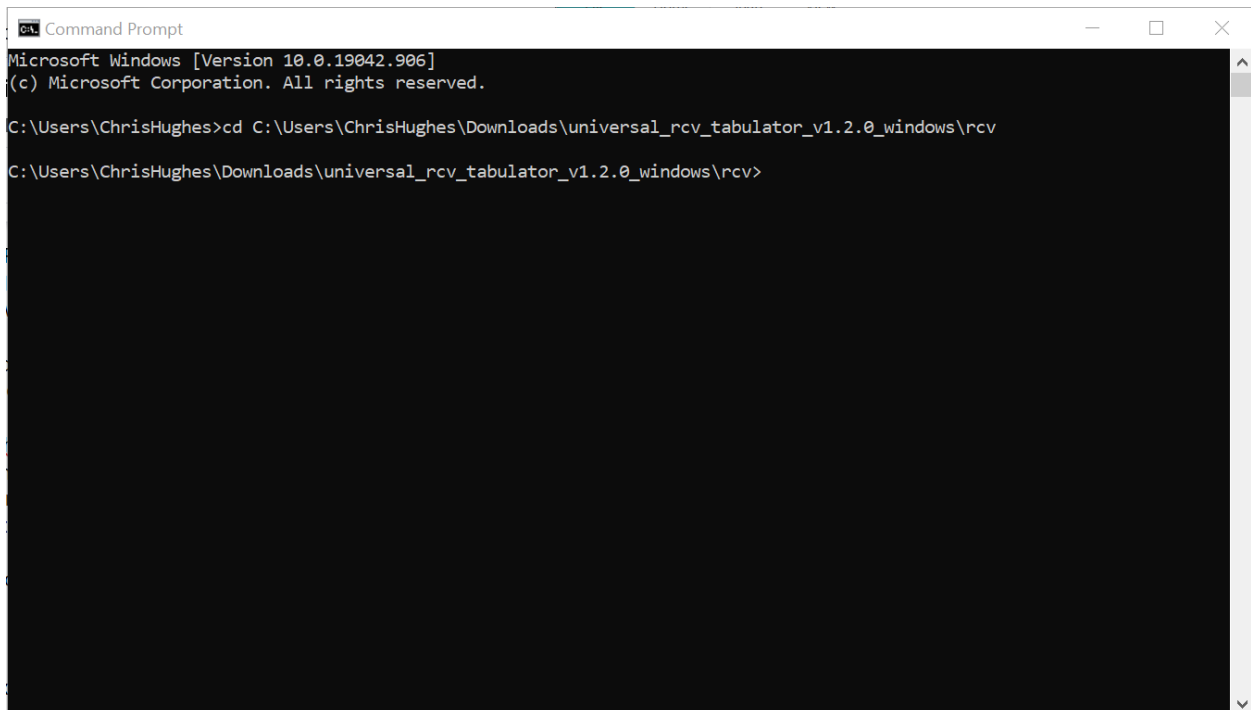### *URCVT v.1.2.0 240-NY Command Line Instructions v.1.0.0*

To run the tabulation for a config file via the command line, users must open a terminal, navigate to the root directory of the unzipped software build, and use a command similar to the one that launches the GUI, except with different arguments. The final argument is the name of the config file to be tabulated. All tabulation will be done in the terminal window. The URCVT user interface will not appear. If command line launch is successful, URCVT will tabulate a contest according to the requirements of the configuration file in the command line argument. Following are detailed steps for how to launch the URCVT in the command line.

On Windows:
1. Open Start Menu
2. Type Command Prompt. Hit enter.
3. Command Prompt will launch. Screenshot displays example of Command Prompt.

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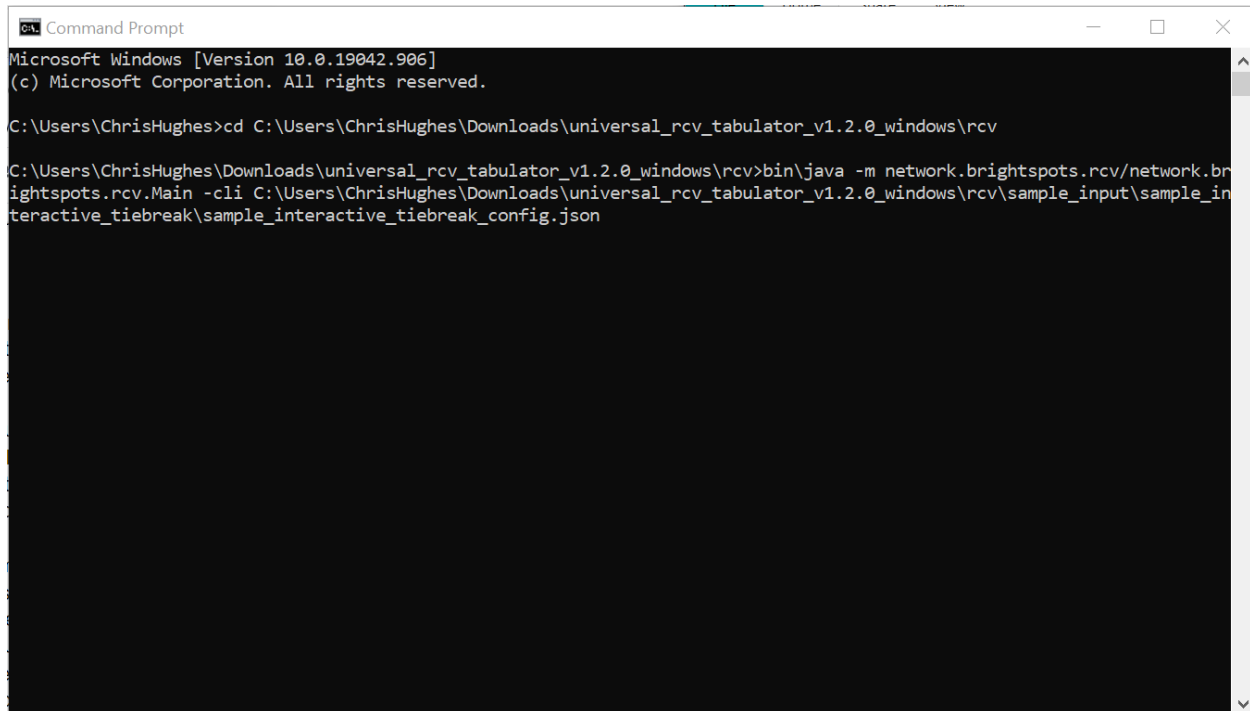RESOURCE CENTER

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4. User needs to direct Command Prompt to the folder where the URCVT software is installed. Type cd. Insert the folder name: locate the folder rcv under the folder universal_rcv_tabulator_v1.2.0_windows in File Explorer.
5. Click on the rcv folder and while continuing to hold the button down, drag the file to the Command Prompt window and place after cd.
    a. Example: cd C:\Users\user\Desktop\universal_rcv_tabulator_v1.2.0_windows\rcv
6. Hit enter. Screenshot displays result of successful execution of previous steps.

```
Command Prompt                                                    —    □    ✕
Microsoft Windows [Version 10.0.19042.906]
(c) Microsoft Corporation. All rights reserved.

C:\Users\ChrisHughes>cd C:\Users\ChrisHughes\Downloads\universal_rcv_tabulator_v1.2.0_windows\rcv

C:\Users\ChrisHughes\Downloads\universal_rcv_tabulator_v1.2.0_windows\rcv>
```

7. Type in bin\java -m network.brightspots.rcv/network.brightspots.rcv.Main -cli [filename]
    a. Filename should be the name of the configuration file for the URCVT to use to process the contest. Example: "C:\Users\Users\Desktop\universal_rcv_tabulator_v1.2.0_windows\rcv\sample_input\sample_interactive_tiebreak"
    b. Screenshot shows example of correct command prompt entry for this example.

8. Filename can be copied over into the Command Prompt by finding the configuration file in File Explorer, clicking on the file, and dragging the file over to the Command Prompt window.
9. Press enter.
10. Tabulation will run. Messages explaining the process of tabulation will appear in the Command Prompt window. Screenshot shows example of messages sent during tabulation.

```
Command Prompt - bin\java  -m network.brightspots.rcv/network.brightspots.rcv.Main -cli C:\Users\ChrisHughes\Downloads\universal_r...

C:\Users\ChrisHughes\Downloads\universal_rcv_tabulator_v1.2.0_windows\rcv>bin\java -m network.brightspots.rcv/network.br
ightspots.rcv.Main -cli C:\Users\ChrisHughes\Downloads\universal_rcv_tabulator_v1.2.0_windows\rcv\sample_input\sample_in
teractive_tiebreak\sample_interactive_tiebreak_config.json
Universal RCV Tabulator version 1.2.0
2021-04-26 07:16:17 EDT INFO: Execution logging to: C:\Users\ChrisHughes\Downloads\universal_rcv_tabulator_v1.2.0_window
s\rcv\rcv_*.log
2021-04-26 07:16:17 EDT INFO: Launching Universal RCV Tabulator version 1.2.0...
2021-04-26 07:16:17 EDT INFO: Host system: Windows 10 version 10.0
2021-04-26 07:16:17 EDT INFO: Tabulator is being used via the CLI.
2021-04-26 07:16:17 EDT INFO: Starting tabulation session...
2021-04-26 07:16:17 EDT INFO: Successfully loaded contest config: C:\Users\ChrisHughes\Downloads\universal_rcv_tabulator
_v1.2.0_windows\rcv\sample_input\sample_interactive_tiebreak\sample_interactive_tiebreak_config.json
2021-04-26 07:16:17 EDT INFO: Validating contest config...
2021-04-26 07:16:17 EDT INFO: Contest config validation successful.
2021-04-26 07:16:17 EDT INFO: Tabulation logging to: C:\Users\ChrisHughes\Downloads\universal_rcv_tabulator_v1.2.0_windo
ws\rcv\sample_input\sample_interactive_tiebreak\output\2021-04-26_07-16-17_audit_*.log
2021-04-26 07:16:17 EDT INFO: Computer name: Chris-Hughes-RCVRC-Laptop
2021-04-26 07:16:17 EDT INFO: User name: ChrisHughes
2021-04-26 07:16:17 EDT INFO: Config file: C:\Users\ChrisHughes\Downloads\universal_rcv_tabulator_v1.2.0_windows\rcv\sam
ple_input\sample_interactive_tiebreak\sample_interactive_tiebreak_config.json
2021-04-26 07:16:17 EDT INFO: Tabulating 'Sample Interactive Tiebreak'...
2021-04-26 07:16:17 EDT INFO: Parsing cast vote records...
2021-04-26 07:16:17 EDT INFO: Reading ES&S cast vote record file: C:\Users\ChrisHughes\Downloads\universal_rcv_tabulator
_v1.2.0_windows\rcv\sample_input\sample_interactive_tiebreak\sample_interactive_tiebreak_cvr.xlsx...
2021-04-26 07:16:18 EDT INFO: Parsed 10 cast vote records successfully.
2021-04-26 07:16:18 EDT INFO: There are 4 declared candidates for this contest:
2021-04-26 07:16:18 EDT INFO: Sedale Threatt
2021-04-26 07:16:18 EDT INFO: Yinka Dare
2021-04-26 07:16:18 EDT INFO: George Gervin
```

11. When tabulation is complete, Command Prompt will display the message: "INFO: Tabulation Session Completed." Followed by a line stating, "Results written to: [filepath]". The file path will be based on the information included in the Output Directory setting in the configuration file. See *URCVT v.1.2.0 08-NY System Operations Procedures v.1.0.0* and *URCVT v.1.2.0 300-NY Configuration File Parameters v.1.0.0* for more information. See below for an example of messages sent at the end of successful tabulation.

```
Command Prompt                                                      —   □   ✕

Enter the number corresponding to the candidate who should lose this tiebreaker (or x to cancel):
1
2021-04-26 07:16:44 EDT INFO: Candidate "George Gervin" lost a tie-breaker in round 2 against "Yinka Dare". Each candida
te had 3 vote(s). The selected candidate was supplied by the operator.
2021-04-26 07:16:44 EDT INFO: Round: 3
2021-04-26 07:16:44 EDT INFO: Winning threshold set to 5.
2021-04-26 07:16:45 EDT INFO: Candidate "Yinka Dare" got 4 vote(s).
2021-04-26 07:16:45 EDT INFO: Candidate "Mookie Blaylock" got 4 vote(s).
Tie in round 3 for the following candidates, each of whom has 4 vote(s):
1. Mookie Blaylock
2. Yinka Dare
Enter the number corresponding to the candidate who should lose this tiebreaker (or x to cancel):
1
2021-04-26 07:16:46 EDT INFO: Candidate "Mookie Blaylock" lost a tie-breaker in round 3 against "Yinka Dare". Each candi
date had 4 vote(s). The selected candidate was supplied by the operator.
2021-04-26 07:16:46 EDT INFO: Round: 4
2021-04-26 07:16:46 EDT INFO: Winning threshold set to 3.
2021-04-26 07:16:46 EDT INFO: Candidate "Yinka Dare" got 4 vote(s).
2021-04-26 07:16:46 EDT INFO: Candidate "Yinka Dare" was elected in round 4 with 4 votes.
2021-04-26 07:16:46 EDT INFO: Generating summary spreadsheet: C:\Users\ChrisHughes\Downloads\universal_rcv_tabulator_v1.
2.0_windows\rcv\sample_input\sample_interactive_tiebreak\output\2021-04-26_07-16-17_summary.csv...
2021-04-26 07:16:46 EDT INFO: Summary spreadsheet generated successfully.
2021-04-26 07:16:46 EDT INFO: Generating summary JSON file: C:\Users\ChrisHughes\Downloads\universal_rcv_tabulator_v1.2.
0_windows\rcv\sample_input\sample_interactive_tiebreak\output\2021-04-26_07-16-17_summary.json...
2021-04-26 07:16:46 EDT INFO: JSON file generated successfully.
2021-04-26 07:16:46 EDT INFO: Tabulation session completed.
2021-04-26 07:16:46 EDT INFO: Results written to: C:\Users\ChrisHughes\Downloads\universal_rcv_tabulator_v1.2.0_windows\
rcv\sample_input\sample_interactive_tiebreak\output

C:\Users\ChrisHughes\Downloads\universal_rcv_tabulator_v1.2.0_windows\rcv>
```

12. If any of the above commands do not work, double check that you have copied them all over correctly, that you are pointing command prompt to the correct directory, and that all filenames are correctly entered.

Document Revision History

Date	Version	Description	Author
04/24/2021	1.0.0	Command Line Instructions	Louis Eisenberg