

THE ELEVENTH JUDICIAL CIRCUIT MIAMI-DADE COUNTY, FLORIDA

ALTERNATE METHOD OF JURY SELECTION FOR PETIT JURY IN THE CIRCUIT AND COUNTY COURTS, MIAMI-DADE COUNTY GRAND JURY AND STATEWIDE GRAND JURY BY USE OF COMPUTER PURSUANT TO F.S. 40.225

WHEREAS, the present method of selecting jurors can be expedited without additional expense or loss of the sanctity of random selection by the use of the electronic computer available for use by Miami-Dade County; and

WHEREAS, the source of such selection is from the list provided by the Department of Highway Safety and Motor Vehicles which is in computer compatible form and under the custody and control of the Clerk of the Circuit Court of Miami-Dade County, Florida;

IT IS THEREFORE RESOLVED that the Rules of the Eleventh Judicial Circuit for procedure in all courts of Miami-Dade County in which jury trials are held shall be amended to include this additional Rule adopting the following alternative plan for the selection of persons for petit jury, grand jury and statewide grand jury service by use of computer pursuant to F.S. 40.225:

1. **EQUIPMENT:**
The equipment used in jury selection is an I.B.M. Z Series #2084 computer located in the secured computer room of the Office of Computer Services and Information Systems of Miami-Dade County.
2. **ALTERNATIVE METHOD OF SELECTING VENIRE:**
 - a. The source from which names shall be taken is the list provided by the Department of Highway Safety and Motor Vehicles.
 - b. The Clerk of the Circuit Court is designated the official custodian of the computer records of the lists to be used in jury selection and shall ensure they are not accessible to anyone other than those directly involved in selection of venires, as herein provided. Functions of the Clerk of the Circuit Court may be performed by his deputies.
 - c. If the entire list provided by the Department of Highway Safety and Motor Vehicles is not used as the final certified jury list from which venires are selected, then the Chief Judge or his designated

representative, with the aid and assistance of the Clerk of the Circuit Court, shall select enough prospective jurors for the year by lot and at random from the entire list of registered voters using the method described in Attachment A.

- d. The Clerk of the Circuit Court shall cause jury venires to be selected from the final certified jury list programmed into the Miami-Dade County computer using the method described in Attachment A in accordance with directions received from the Chief Judge or his designated representative.

ATTACHMENT A

The Universal Random Number Generator

The following narrative describes the basic procedures for writing the Universal Random Number Generator in any software language.

The following looping procedures generates a table of 97 random numbers. The 97 numbers are created using a routine that calculates a 1 or 0, 24 times thus creating a 24 bit fraction. The procedures for this part of the generator are as follows:

All numbers in this process are real except for the integer starting seed values. Choose starting seed values for I, J, and K to be a integer between 1 and 178 and L between 0 and 168.
Initialize $S = 0$
Initialize $T = .5$
Do the following 24 times to create the first number in the 97 number table:
Multiply I times J and divide by 179.
Multiply the remainder by K and divide by 179. Let $M =$ the remainder.
Let $I = J, J = K, K = M$
Multiply 53 times L, add I, divide by 169.
Let L = remainder
Multiply L times M and divide by 64. If the remainder is greater or equal to 32 then $S = S + T$ else $S = S$.
 $T = .5$ times T (This places the 1 or 0 in the proper bit location).
S = the first 24 bit number after completing above process 24 times.
Return to the step that initializes S to 0 and continue until the table of 97 numbers is complete.
After completing the table,
Set C = 362436/16777216
Set CD = 7654321/16777216
Set CM = 16777213/16777216

The second part of the generator uses the 97 number table. Each location in the table (array) must be able to be specified. The following process completes the function of generating a random number:

Both X and Y are pointers.
Set X to be the 97th place in the table.
Set Y to be the 33rd place in the table.
Let UNI = The random number in the X location minus the random number in the Y location.
If UNI is less than zero, then $UNI = UNI + 1$ else $UNI = UNI$.
Replace the random numbers in the X location with the computed UNI.

Let $X = X-1$
If $X = 0$, then $X = 97$
Let $Y = Y-1$
If $Y = 0$, then $Y = 97$
Let $C = C-CD$ (C and CD are defined above)
If C is less than zero, then $C = C + CM$ else $C = C$
Let $UNI = UNI = C$
If UNI is less than zero, $UNI = UNI + 1$ else $UNI = UNI$.

Once the 97 number table is set up, the above routine is looped through for each call for a random number. UNI will be a random number between 0 and 1. To select a person from a list, the list must be numbered in a sequential order from 1 to the size of the list. The UNI is then multiplied times the size of the list and one is added to this result to obtain the randomly selected prospective juror. The four seed values, I , J , K , and L should be stored in a table for each selection purpose and the same combination should not be used for the year.

STATE OF FLORIDA
COUNTY OF MIAMI-DADE