## Memorandum

## Human Resources Division

TO: Todd Rent, Chief Examiner
Civil Service Commission
FROM: Human Resources Staff
RE: Establish a Passing Score for Entry-Level Police Officer
DATE: January 28, 2015

## A. Summary

City of Urbana Human Resources staff recommends a passing score of $65.00 \%$ in each portion of the exam (human relations, written and reading). This would result in an eligibility register of 116 candidates ( $79 \%$ of the test group) with no adverse or disparate impact.

## A. Background

The position was open for applications from Oct. 3, 2014 - Jan. 5, 2015 and Human Resources received 254 applications for the position.



Numerically, the breakdown of applicants is as follows:

| Male | 208 | $82 \%$ |
| :---: | :---: | :---: |
| Female | 45 | $18 \%$ |
| No response or <br> "n/a" | 1 | $0.4 \%$ |


| Non-Minority | 181 | $71 \%$ |
| :---: | :---: | :---: |
| Minority | 71 | $28 \%$ |
| No response or "n/a" | 2 | $1 \%$ |

## B. Application Screening

Of the 254 applicants, 227 (89\%) were referred to the examination. A total of 27 applications were not referred to the examination; most of those who were excluded were due to the applicant not meeting the education/experience component of the position.

\left.| Disposition |  |  |  | \# of Applicants |
| :---: | :---: | :--- | :---: | :---: |
| Did Not Meet Minimum Qualifications |  |  |  |  |
| 11NMQ - Does not meet min. qual. (age/DL/Citizen) |  |  |  |  |$\right] 5$

## C. Video/Written Exam

Of the 254 applicants, 227 were invited to test and 146 attended, making this one of the largest recruiting groups in recent memory. The test was offered on Saturday, January 17, 2015 at the Alice Campbell Alumni Center in Urbana. Demographics of the attendees are as follows:

|  | $\#$ | \% of <br> Invited | \% of Test <br> Group |
| :---: | :---: | :---: | :---: |
| Male | 123 | $59 \%$ | $84 \%$ |
| Female | 22 | $49 \%$ | $15 \%$ |
| No response or <br> "n/a" | 1 | $100 \%$ | $<1 \%$ |


|  | $\#$ | \% of <br> Invited | \% of Test <br> Group |
| :---: | :---: | :---: | :---: |
| Non-Minority | 110 | $61 \%$ | $75 \%$ |
| Minority | 34 | $48 \%$ | $23 \%$ |
| No response or <br> "n/a" | 2 | $100 \%$ | $1 \%$ |

## D. Passing Score

The testing vendor, Ergometrics, recommends a passing score of $65.00 \%$ for each component of the exam (human relations, written and reading), which would allow 116 applicants ( $79 \%$ of test takers) to be placed on the eligibility register for future consideration. At this passing score, adverse and/or disparate impact is not observed (additional data is attached).

| 65\% Pass Rate |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
|  | \# | \% of Total Tested | \% of Like Group | \% of Register |  |
| Male | $\mathbf{1 0 0}$ | $68 \%(100 / 146)$ | $81 \%(100 / 123)$ | $86 \%(100 / 116)$ |  |
| Female | $\mathbf{1 5}$ | $10 \%(15 / 146)$ | $68 \%(15 / 22)$ | $13 \%(15 / 116)$ |  |
| No answer | $\mathbf{1}$ | $1 \%(1 / 146)$ | $100 \%(1 / 1)$ | $1 \%(1 / 116)$ |  |


|  | $\#$ | \% of Total Tested | \% of Like Group | \% of Register |
| :--- | :---: | :---: | :---: | :---: |
| Non-Minority | $\mathbf{9 0}$ | $62 \%(90 / 146)$ | $82 \%(90 / 110)$ | $77 \%(90 / 116)$ |
| Minority | $\mathbf{2 4}$ | $16 \%(24 / 146)$ | $71 \%(24 / 34)$ | $21 \%(24 / 116)$ |
| No answer | $\mathbf{2}$ | $1 \%(2 / 146)$ | $100 \%(2 / 2)$ | $1 \%(2 / 116)$ |



At this passing score, a total of 30 applicants would not pass the exam, which represents a $21 \%$ failure rate.

|  | $\#$ | \% of Total <br> Tested | \% of Like <br> Group |  | $\#$ | \% of Total <br> Tested | \% of Like <br> Group |
| :--- | :---: | :---: | :---: | :--- | :---: | :---: | :---: |
| Male | 23 | $16 \%$ | $19 \%$ | Non- <br> Minority | 20 | $14 \%$ | $18 \%$ |
| Female | 7 | $5 \%$ | $32 \%$ | Minority | 10 | $7 \%$ | $29 \%$ |
| N/A | 0 | 0 | 0 | N/A | 0 | 0 | 0 |

## Memorandum

## Human Resources Division

TO: Todd Rent, Chief Examiner
Civil Service Commission
FROM: Human Resources Staff
RE: Establish a Passing Score for Entry-Level Police Officer
DATE: January 28, 2015

## A. Summary

City of Urbana Human Resources staff recommends a passing score of $65.00 \%$ in each portion of the exam (human relations, written and reading). This would result in an eligibility register of 116 candidates ( $79 \%$ of the test group) with no adverse or disparate impact.

## A. Background

The position was open for applications from Oct. 3, 2014 - Jan. 5, 2015 and Human Resources received 254 applications for the position.



Numerically, the breakdown of applicants is as follows:

| Male | 208 | $82 \%$ |
| :---: | :---: | :---: |
| Female | 45 | $18 \%$ |
| No response or <br> "n/a" | 1 | $0.4 \%$ |


| Non-Minority | 181 | $71 \%$ |
| :---: | :---: | :---: |
| Minority | 71 | $28 \%$ |
| No response or "n/a" | 2 | $1 \%$ |

## B. Application Screening

Of the 254 applicants, 227 (89\%) were referred to the examination. A total of 27 applications were not referred to the examination; most of those who were excluded were due to the applicant not meeting the education/experience component of the position.

\left.| Disposition |  |  |  | \# of Applicants |
| :---: | :---: | :--- | :---: | :---: |
| Did Not Meet Minimum Qualifications |  |  |  |  |
| 11NMQ - Does not meet min. qual. (age/DL/Citizen) |  |  |  |  |$\right] 5$

## C. Video/Written Exam

Of the 254 applicants, 227 were invited to test and 146 attended, making this one of the largest recruiting groups in recent memory. The test was offered on Saturday, January 17, 2015 at the Alice Campbell Alumni Center in Urbana. Demographics of the attendees are as follows:

|  | $\#$ | \% of <br> Invited | \% of Test <br> Group |
| :---: | :---: | :---: | :---: |
| Male | 123 | $59 \%$ | $84 \%$ |
| Female | 22 | $49 \%$ | $15 \%$ |
| No response or <br> "n/a" | 1 | $100 \%$ | $<1 \%$ |


|  | \# | \% of <br> Invited | \% of Test <br> Group |
| :---: | :---: | :---: | :---: |
| Non-Minority | 110 | $61 \%$ | $75 \%$ |
| Minority | 34 | $48 \%$ | $23 \%$ |
| No response or <br> "n/a" | 2 | $100 \%$ | $1 \%$ |

## D. Passing Score

The testing vendor, Ergometrics, is recommending a passing score of $65.00 \%$ for each component of the exam (human relations, written and reading), which would allow 116 applicants be placed on the eligibility register for future consideration. At this passing score, adverse and/or disparate impact is not observed (additional data is attached).

|  | 65\% Pass Rate |  |  |
| :--- | :---: | :---: | :---: |
|  | $\#$ | \% of Total Tested | \% of Register |
| Male | $\mathbf{1 0 0}$ | $81 \%$ | $86 \%$ |
| Female | $\mathbf{1 5}$ | $68 \%$ | $13 \%$ |
| No answer | $\mathbf{1}$ | $100 \%$ | $1 \%$ |


| Non-Minority | $\mathbf{9 0}$ | $82 \%$ | $77 \%$ |
| :--- | :---: | :---: | :---: |
| Minority | $\mathbf{2 4}$ | $71 \%$ | $21 \%$ |
| No answer | $\mathbf{2}$ | $100 \%$ | $1 \%$ |



Disparate Impact analysis: a program by hr-software.net to analyze employment decisions for a variety of EE...

## Disparate Impact Analysis <br> (an On-Line Internet based application)

An Experienced Internet Survey Consultancy
Instructions: Please fill out the information into the form below. Once you have entered your data below, you may select the types of analysis to be conducted by checking the appropriate boxes. Then press the compute button at the bottom of the form to view the results.


## Police Officer (Entry-Level) Jan. 2015

## Adverse-Impact Report

Adverse Impact and the "four-fifths rule." - A selection rate for any race, sex, or ethnic group which is less than four-fifths (4/5ths) (or eighty percent) of the rate for the group with the highest rate will generally be regarded by the Federal enforcement agencies as evidence of adverse impact. Uniform Guidelines on Employee Selection Procedures

| Rate of Females Applicants <br> Selected | Rate of Males Applicants Selected | Adverse Impact Ratio for Females | Adverse Impact Ratio for Males |
| :--- | ---: | ---: | :---: |
| $(15 / 22)=0.6818$ | $(100 / 123)=0.813$ | $(0.6818 / 0.813)=0.84$ | $(0.813 / 0.6818)=1.19$ |
| Adverse impact as defined by the 4/5ths rule was not found in the above data. |  |  |  |


| Rate of Minorities Applicants <br> Selected | Rate of Non-Minorities <br> Applicants Selected | Adverse Impact Ratio for <br> Minorities | Adverse Impact Ratio for Non- <br> Minorities |
| :--- | :--- | :--- | :--- |
| $(24 / 34)=0.7059$ | $(90 / 110)=0.8182$ | $(0.7059 / 0.8182)=0.86$ |  |
| Adverse impact as defined by the $4 / 5$ ths rule was not found in the above data. |  |  |  |

## Chi-Square Report

| Observed <br> Expected | Selected | Not Selected |  |
| :--- | :--- | :--- | :--- |
| Males | 100 | 23 | Row Totals |
| Females | 97.5517 | 25.4483 | 123 |
| Column Total | 7 | 4.5517 | 22 |
| Chi-Square $\mathbf{= 1 . 9 5 7 4}$ <br> The value of the statistic is less than 3.841. This indicates that there is a 95 percent chance that these results have been obtained absent any <br> form of bias. Therefore, you may conclude that these results fall within normal random variations and are not the result of bias. |  |  |  |


| Observed <br> Expected | Selected | Not Selected |  |
| :--- | :--- | :--- | :--- |
| Non-Minorities | 90 | 20 | 110 |
|  | 87.0833 | 22.9167 | Row Totals |

Disparate Impact analysis: a program by hr-software.net to analyze employment decisions for a variety of EE...

| Minorities | 24 | 10 | 30 |  |
| :--- | :--- | :--- | :--- | :--- |
| Column Total | 26.9167 | 114 | 30 | 144 |
| Chi-Square $=\mathbf{1 . 9 8 5 9}$ |  |  |  |  |
| The value of the statistic is less than 3.841. This indicates that there is a 95 percent chance that these results have been obtained absent any |  |  |  |  |
| form of bias. Therefore, you may conclude that these results fall within normal random variations and are not the result of bias. |  |  |  |  |

## Standard-Deviation Report

The difference between the proportion of the protected class Selected and the proportion of all Applicants Selected has a normal distribution with a mean and standard deviation. The statistic is shown below:
$(\mathrm{r} / \mathrm{n})-\mathrm{p}$
$\operatorname{sqrt}(p$ * $(1-p) / n)$ * $\operatorname{sqrt}(1-q)$

## Analysis of proportion of Females Selected where:

- $\mathbf{r}=$ number of Females Selected.
- $\mathbf{n}=$ number of Selected (Females and Males).
- $\mathbf{p}=$ proportion of Applicants that are Females.
- $q=$ proportion of Applicants Selected.

|  | Selected | Not Selected | Row Totals |
| :--- | :--- | :--- | :--- |
| Males | 100 | 23 | 123 |
| Females | 15 | 7 | 22 |
| Column Total | 115 | 30 | 145 |

$\mathrm{r}=15$
$\mathrm{n}=115$
$\mathrm{p}=22 / 145=0.152$
$\mathrm{q}=(15+100) /(22+123)=0.793$

Standard Deviation Statistic $=\mathbf{- 1 . 3 9 9}$
These results show that the proportion of Females Selected is $\mathbf{- 1 . 3 9 9}$ standard deviations below the proportion of Applicants Selected. A result of less than 2 standard deviations is generally considered non-significant.

Analysis of proportion of Minorities Selected where:

- $\mathbf{r}=$ number of Minorities Selected.
- $\mathbf{n}=$ number of Selected (Minorities and Non-Minorities).
- $\mathbf{p}=$ proportion of Applicants that are Minorities.
- $q=$ proportion of Applicants Selected.

```
\(r=24\)
\(\mathrm{n}=114\)
\(\mathrm{p}=34 / 144=0.236\)
\(\mathrm{q}=(24+90) /(34+110)=0.792\)
```

Standard Deviation Statistic $=\mathbf{- 1 . 4 0 9}$

These results show that the proportion of Minorities Selected is $\mathbf{- 1 . 4 0 9}$ standard deviations below the proportion of Applicants Selected. A result of less than 2 standard deviations is generally considered non-significant.

## Confidence Interval Report

The proportion of the protected class Selected has an expected value that would fall within a specified confidence interval. The statistic is shown below:
Observed value $=(\mathbf{r} / \mathbf{n})$
Expected value $=\mathbf{p}$
Standard Deviation $=\mathbf{s q r t}(\mathbf{p} *(1-p) / \mathbf{n}) * \operatorname{sqrt}(1-q)$
Confidence Interval:
Lower Bound = p-1.96 * Std Dev
Upper Bound = p + 1.96 * Std Dev

Disparate Impact analysis: a program by hr-software.net to analyze employment decisions for a variety of EE...

## Analysis of proportion of Females Applicants Selected where:

- $\mathbf{r}=$ number of Females Selected.
- $\mathbf{n}=$ number of Applicants Selected.
- $\mathbf{p}=$ proportion of Females among those Selected.
- $q=$ proportion of Applicants Selected.

```
\(r=15\)
\(\mathrm{n}=115\)
\(p=(22 /(22+123))=0.152\)
\(q=((15+100) /(22+123))=0.793\)
\((\mathbf{r} / \mathrm{n})=15 / 115=0.1304\)
```

The lower bound of the confidence interval is: $0.152-(1.96 * 0.015)=0.1219$
The upper bound of the confidence interval is: $0.152+(1.96 * 0.015)=0.1815$
Confidence Interval $=\mathbf{0 . 1 2 1 9}$ to $\mathbf{0 . 1 8 1 5}$

These results show that the proportion of Females Females $(\mathbf{r} / \mathbf{n}=\mathbf{0 . 1 3 0 4})$ is contained in the confidence interval. Therefore a finding of disparate impact is not supported by this data.

Analysis of proportion of Minorities Applicants Selected where:

- $\mathbf{r}=$ number of Minorities Selected.
- $\mathbf{n}=$ number of Applicants Selected.
- $\mathbf{p}=$ proportion of Minorities among those Selected.
- $q=$ proportion of Applicants Selected.
$r=24$
$\mathrm{n}=114$
$p=(34 /(34+110))=0.236$
$\mathrm{q}=((24+90) /(34+110))=0.792$
$(r / n)=24 / 114=0.2105$
The lower bound of the confidence interval is: $0.236-(1.96 * 0.018)=0.2005$
The upper bound of the confidence interval is: $0.236+(1.96 * 0.018)=0.2717$
Confidence Interval $=\mathbf{0 . 2 0 0 5}$ to $\mathbf{0 . 2 7 1 7}$
These results show that the proportion of Minorities Minorities $(\mathbf{r} / \mathbf{n}=\mathbf{0 . 2 1 0 5})$ is contained in the confidence interval. Therefore a finding of disparate impact is not supported by this data.


## Probability Distribution Report

## Please note:

Due to the large number selected, the results will be shown in increments of 2 which may have an effect on the probability distributions. *All* computed probabilities will be multiplied by the increment of 2 . The use of the increment was necessary to reduce the processing load on our web server which has to compute all of the input\{Distribution\} probabilities.

| Number Females Selected | Number Males Selected | Rate of Females Applicants Selected | Rate of Males Applicants Selected | Adverse Impact Ratio of Females | Adverse Impact against Females ? | Probability | Cumulative Probability |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0 | 115 | (0/22) | (115/123) | 0 | YES | 0 | 0 |
| 2 | 113 | (2/22) | (113/123) | 0.099 | YES | 0 | 0 |
| 4 | 111 | (4/22) | (111/123) | 0.2015 | YES | 0 | 0 |
| 6 | 109 | (6/22) | (109/123) | 0.3078 | YES | 0 | 0 |
| 8 | 107 | (8/22) | (107/123) | 0.418 | YES | 0.000003 | 0.000003 |
| 10 | 105 | (10/22) | (105/123) | 0.5325 | YES | 0.000219 | 0.000222 |
| 12 | 103 | (12/22) | (103/123) | 0.6514 | YES | 0.006286 | 0.006508 |
| 14 | 101 | (14/22) | (101/123) | 0.775 | YES | 0.070686 | 0.077194 |
| 16 | 99 | (16/22) | (99/123) | 0.9036 | NO | 0.301783 | 0.378977 |
| 18 | 97 | (18/22) | (97/123) | 1.0375 | NO | 0.441614 | 0.820591 |
| 20 | 95 | (20/22) | (95/123) | 1.177 | NO | 0.171776 | 0.992367 |
| 22 | 93 | (22/22) | (93/123) | 1.3226 | NO | 0.007633 | 1 |

Given that 115 were Selected from a pool of 123 Males and 22 Females it was possible to have Selected from 0 to 22 Females.
Adverse Impact would be found if you Selected approximately 14 or fewer Females.
The word "approximately" was used since the results are shown in increments of 2.
The probability of Adverse Impact occurring even if the employment decisions were random (i.e. unbiased) is 0.0772 (the sum of the probabilities of having Selected 14 or fewer Females).

Since the probability of Adverse Impact occurring even if the selection was random (i.e. unbiased) is less than $10 \%$, an observed Adverse Impact may be significant since there is a low probability that Adverse Impact would have occurred by chance.

## Probability Distribution of the variable: Number of Females Selected.


$\begin{array}{llllllllllll}0 & 2 & 4 & 6 & 8 & 10 & 12 & 14 & 16 & 18 & 20 & 22\end{array}$
Number of female Applicants Selected
The probability distribution of having Selected from 0 to 22 Females is displayed above. As can be seen, the most likely event (highest probability) to have occurred by chance (or decisions not affected by any form of bias) is to have Selected 18 female Applicants. This represents the mean of the probability distribution. Approximately half of the probability distribution is above this point and approximately half is below this point. The total area contained in the probability distribution is equal to 1 . Thus, probabilities for each number of female Applicants Selected are a fraction of the total probability distribution. The larger areas of the distribution represent higher probabilities of occurance. Adding the individual probabilities up to a certain point enable you to compute the probability of having Selected that many or fewer female Applicants. Adding the individual probabilities from a certain point and higher enable you to compute the probability of having Selected that many or more female Applicants.

The characteristics of the probability distribution--its mean and standard deviation--are a function of the number of female and male Applicants and the number of Applicants to be Selected. Though it is possible to have Selected from 0 to 22 female Applicants, the individual probabilities of having Selected each number of female Applicants can be computed and accumulated. As noted before, these individual probabilities are a function of the number of female and male Applicants and the number of Applicants to be Selected.

Using the distribution above, a 90 percent confidence interval on the variable 'Number of Females Selected' would have a lower bound of 14 and an upper bound of 20 .

The significance of having Selected 15 or fewer Females is graphically displayed below.

$\begin{array}{llllllllllll}0 & 2 & 4 & 6 & 8 & 10 & 12 & 14 & 16 & 18 & 20 & 22\end{array}$
Number of female Applicants Selected
As noted earlier, Adverse Impact, according to the $4 / 5$ ths rule, would be found if you Selected approximately 14 or fewer female Applicants.
The word "approximately " was used since the results were computed in increments of 2.
You have Selected 15 female Applicants. The probability of having Selected 15 or fewer Females is equal to the cumulative probability for having Selected 15 Females Applicants. The cumulative probability of having Selected 15 female Applicants is 0.0772 and is graphically displayed, in red, above.

Since the probability is less than $10 \%$, we must reject the hypothesis that the decisions occurred due to chance. Therefore, we must conclude that the result 15 female Applicants were Selected does not support (based on statistics) a finding of Adverse Impact.

Disparate Impact analysis: a program by hr-software.net to analyze employment decisions for a variety of EE...

Please note:
Due to the large number selected, the results will be shown in increments of 2 which may have an effect on the probability distributions. *All* computed probabilities will be multiplied by the increment of 2 . The use of the increment was necessary to reduce the processing load on our web server which has to compute all of the input\{Distribution\} probabilities.

| Number Minorities | Number NonMinorities | Rate of Minorities Applicants | Rate of NonMinorities Applicants | Adverse Impact Ratio of | Adverse Impact against |  | Cumulative |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Selected | Selected | Selected | Selected | Minorities | Minorities? | Probability | Probability |
| 4 | 110 | (4/34) | (110/110) | 0.1176 | YES | 0 | 0 |
| 6 | 108 | (6/34) | (108/110) | 0.1797 | YES | 0 | 0 |
| 8 | 106 | (8/34) | (106/110) | 0.2442 | YES | 0 | 0 |
| 10 | 104 | (10/34) | (104/110) | 0.3111 | YES | 0 | 0 |
| 12 | 102 | (12/34) | (102/110) | 0.3806 | YES | 0 | 0 |
| 14 | 100 | (14/34) | (100/110) | 0.4529 | YES | 0 | 0 |
| 16 | 98 | (16/34) | (98/110) | 0.5282 | YES | 0.000002 | 0.000002 |
| 18 | 96 | (18/34) | (96/110) | 0.6066 | YES | 0.000098 | 0.0001 |
| 20 | 94 | (20/34) | (94/110) | 0.6884 | YES | 0.002362 | 0.002463 |
| 22 | 92 | (22/34) | (92/110) | 0.7737 | YES | 0.026588 | 0.029051 |
| Selected-> 24 | 90 | (24/34) | (90/110) | 0.8627 | NO | 0.140078 | 0.169129 |
| 26 | 88 | (26/34) | (88/110) | 0.9559 | NO | 0.336271 | 0.505399 |
| 28 | 86 | (28/34) | (86/110) | 1.0534 | NO | 0.345476 | 0.850875 |
| 30 | 84 | (30/34) | (84/110) | 1.1555 | NO | 0.133975 | 0.98485 |
| 32 | 82 | (32/34) | (82/110) | 1.2626 | NO | 0.014946 | 0.999797 |
| 34 | 80 | (34/34) | (80/110) | 1.375 | NO | 0.000203 | 1 |

Given that 114 were Selected from a pool of 110 Non-Minorities and 34 Minorities it was possible to have Selected from 4 to 34 Minorities.
Adverse Impact would be found if you Selected approximately 22 or fewer Minorities.
The word "approximately" was used since the results are shown in increments of 2.
The probability of Adverse Impact occurring even if the employment decisions were random (i.e. unbiased) is 0.0291 (the sum of the probabilities of having Selected 22 or fewer Minorities).

Since the probability of Adverse Impact occurring even if the selection was random (i.e. unbiased) is less than $10 \%$, an observed Adverse Impact may be significant since there is a low probability that Adverse Impact would have occurred by chance.

Probability Distribution of the variable: Number of Minorities Selected.


Using the distribution above, a 90 percent confidence interval on the variable 'Number of Minorities Selected' would have a lower bound of 24 and an upper bound of 30 .

The significance of having Selected 24 or fewer Minorities is graphically displayed below.

$4 \quad 6 \quad 810121416182022242628303234$
Number of minority Applicants Selected

As noted earlier, Adverse Impact, according to the 4/5ths rule, would be found if you Selected approximately 22 or fewer minority Applicants. The word "approximately " was used since the results were computed in increments of 2.

You have Selected 24 minority Applicants. The probability of having Selected 24 or fewer Minorities is equal to the cumulative probability for having Selected 24 Minorities Applicants. The cumulative probability of having Selected 24 minority Applicants is 0.1691 and is graphically displayed, in red, above.

Since the probability is greater than $10 \%$, we are unable to reject the hypothesis that the decisions occurred due to chance. Therefore, we must conclude that it is entirely possible that having Selected 24 or fewer minority Applicants is an event that occurred due to chance and not from discriminatory actions by the employer.

View Source Code

Send questions or comments to webmaster@hr-guide.com. Thank you.

