

**Request for Approval under the "Generic Clearance for  
Improving Customer Experience: OMB Circular A-11, Section 280  
Implementation"**  
**(OMB Control Number:2900-0876 )**

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**TITLE OF INFORMATION COLLECTION: VBA Veteran Readiness and  
Employment (Chapter 31) Survey**

**PURPOSE OF COLLECTION:**

*What are you hoping to learn / improve? How do you plan to  
use what you learn? Are there artifacts (user personas,  
journey maps, digital roadmaps, summary of customer insights  
to inform service improvements, performance dashboards) the  
data from this collection will feed?*

**TYPE OF ACTIVITY:** (Check one)

- ☐ Customer Research (Interview, Focus Groups, Surveys)
- ☒ Customer Feedback Survey
- ☐ Usability Testing of Products or Services

**ACTIVITY DETAILS**

1. If this is a survey, will the results of this survey be  
reported to Touchpoints as part of quarterly reporting  
obligations specified in OMB Circular A-11 Section 280?

- ☐ Yes
- ☒ No
- ☐ Not a survey

2. How will you collect the information? (Check all that  
apply)

- ☐ Web-based or other forms of Social Media
- ☐ Telephone
- ☐ In-person
- ☐ Mail
- ☒ Other, Explain

3. Who will you collect the information from?

VEO partnered with VBA to measure the satisfaction of  
beneficiaries of the VR&E CH 31 program at different  
milestones:

- Program Participation
- Program Completion
- Discontinuing From VR&E



4. How will you ask a respondent to provide this information?  
Randomly sampled customers will be contacted through an invitation email. A link will be enclosed so the survey may be completed using an online interface, with customized customer information. The survey itself will consist of a handful of questions revolving around a human-centered design, focusing on such elements as trust, emotion, effective, and ease of the interaction.

5. What will the activity look like?  
Randomly sampled customers will be contacted through an invitation email. A link will be enclosed so the surveys may be completed using an online interface, with customized customer information. The surveys itself will consist of a handful of questions revolving around a human-centered design, focusing on such elements as trust, emotion, effective, and ease of the interaction.

6. Please provide your question list.  
*See Attached.*

**Please make sure that all instruments, instructions, and scripts are submitted with the request.**

7. When will the activity happen?  
The surveys will be sent at the following times:

**Participating in VR&E Survey:** when a participant is in either Independent Living or Rehabilitation to Employment status for 150 days or when a participant exits Independent Living or Rehabilitation to Employment status to Interrupted or Discontinued status (excluding those that are in discontinued status with the following reasons: non-pursuit, death, request case closure)

**Completing VR&E Survey:** when a participant moves from Job Ready status to either Rehabilitated, Interrupted, or Discontinued status (excluding those that are in discontinued status with the following reasons: non-pursuit, death, request case closure)

**Discontinued VR&E Survey:** when a participant enters Discontinued Case Status from Interrupted Case Status and prior to entering Interrupted Case Status, participants must have entered the following case status extended



evaluation (EE) status, independent living (IL) status, rehabilitation to the point of employment (RTE) status, and job ready (JR) status and these participants in discontinued case status must be discontinued for being non-pursuit. A participant may also receive this survey if they entered discontinued case status with the reason that a claimant/participant requested the case to be closed.

8. Is an incentive (e.g., money or reimbursement of expenses, token of appreciation) provided to participants?

☐ Yes ☒ No

If Yes, describe:

#### BURDEN HOURS

Category of Respondent	No. of Respondents	Participation Time	Burden Hours
Participating in VR&E	16,248	5 minutes	1,354
Completing VR&E	11,616	5 minutes	968
Discontinuing from VR&E	10,368	5 minutes	864
<b>Totals</b>	<b>38,232</b>	5 minutes	<b>3,186</b>

#### CERTIFICATION:

I certify the following to be true:

1. The collections are voluntary;
2. The collections are low-burden for respondents (based on considerations of total burden hours or burden-hours per respondent) and are low-cost for both the respondents and the Federal Government;
3. The collections are non-controversial;
4. Any collection is targeted to the solicitation of opinions from respondents who have experience with the program or may have experience with the program in the near future;
5. Personally identifiable information (PII) is collected only to the extent necessary and is not retained;
6. Information gathered is intended to be used for general service improvement and program management purposes
7. Upon agreement between OMB and the agency aggregated data may be released as part of A-11, Section 280 requirements only on performance.gov. Summaries of customer research



and user testing activities may be included in public-facing customer journey maps.  
8. Additional release of data will be coordinated with OMB.

Name and email address of person who developed this survey/focus group/interview:

**Name:** Juan Jackson

**Email address:** juan.jackson@va.gov

**All instruments used to collect information must include:**  
**OMB Control No.** 2900-0876  
**Expiration Date:** 02/28/2026

**HELP SHEET**  
**(OMB Control Number: XXXX-XXXX)**

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**TITLE OF INFORMATION COLLECTION:** Provide the name of the collection that is the subject of the request. (e.g. Comment card for soliciting feedback on xxxx)

**PURPOSE:** Provide a brief description of the purpose of this collection and how it will be used. If this is part of a larger study or effort, please include this in your explanation.



**TYPE OF COLLECTION:** Check one box. If you are requesting approval of other instruments under the generic, you must complete a form for each instrument.

**CERTIFICATION:** Please read the certification carefully. If you incorrectly certify, the collection will be returned as improperly submitted or it will be disapproved.

**Personally Identifiable Information:** Agencies should only collect PII to the extent necessary, and they should only retain PII for the period of time that is necessary to achieve a specific objective.

**BURDEN HOURS:**

**Category of Respondents:** Identify who you expect the respondents to be in terms of the following categories: (1) Individuals or Households; (2) Private Sector; (3) State, local, or tribal governments; or (4) Federal Government. Only one type of respondent can be selected per row.

**No. of Respondents:** Provide an estimate of the Number of respondents.

**Participation Time:** Provide an estimate of the amount of time required for a respondent to participate (e.g. fill out a survey or participate in a focus group)

**Burden:** Provide the Annual burden hours: Multiply the Number of responses and the participation time and divide by 60.





*Veteran Readiness and Employment  
(Chapter 31) Survey  
Sampling Methodology Report*

Prepared by  
Veteran Experience Office



Version 2 January 2023



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## Executive Summary

The Veterans Benefits Administration (VBA) is responsible for providing and/or managing a wide array of services to Veterans and their family members. One such responsibility is to ensure Veterans that have a service-connected disability that limits their ability to work or prevents them from working can explore employment options and address training or educational needs.

The Veteran Experience Office (VEO) is in partnership with VBA on many surveys and has recently partnered with the Veteran Readiness and Employment office (VR&E and particularly as Chapter 31 (CH 31)). VR&E assists Veterans with a service-connected disability explore employment options and address educational or training needs. There are five VR&E tracks which are: employment track (help Veterans return to a former job and support their employer in meeting their needs), rapid access to employment track (helps a Veteran find a job or career that uses their existing skill set), self-employment track (helps Veterans start their own business), employment through long term services track (helps Veterans get the education or training they need to find work in a different field), and independent living track (if a Veteran cannot return to work right away, a Veteran may qualify for services that will allow them to live as independently as possible). During this effort, VEO partnered with VBA to measure the satisfaction of beneficiaries of the VR&E CH 31 program at different milestones:

- Learning about and Applying for VR&E CH 31 Survey
- Participating in VR&E CH 31 Survey
- Completing VR&E CH 31 Survey
- Discontinuing from VR&E CH 31 Survey

The goal of service level measurements is three-fold:

- 1) To collect continuous customer experience data from VR&E CH 31 customers
- 2) To help field staff and the national office identify areas for improvement
- 3) To better understand the reasons VR&E CH 31 customers provide positive or negative feedback

The survey questionnaire is brief and contains general Likert-scale (a scale of 1-5 from Strongly Disagree to Strongly Agree) questions to assess customer satisfaction as well as questions assessing the knowledge, speed, and manner of the interaction. These questions have been mapped to the OMB A-11 Customer Experience drivers. After the survey has been distributed, recipients have two weeks to complete the survey. Invitees will receive a reminder email after one week.

The purpose of this document is to define VA's sampling methodology for selecting potential survey respondents for this study. The population for VR&E varies depending on the milestone the surveys are targeting. The sample size for the Learning about and Applying for a VR&E survey and Participating in VR&E survey was determined so that the reliability of monthly survey estimates is 4.0% and 4.5% margin of error, respectively, at a 95% confidence level. The remaining surveys, Completing VR&E and Discontinuing VR&E were determined so that the reliability of monthly survey estimates is 5.0% and 5.5% margin of error at a 95% confidence level, respectively. This report describes the methodology used to conduct the VR&E CH 31 survey. Information



about quality assurance protocols, as well as limitations of the survey methodology, is also included in this report.



## Part I – Introduction

### A. Background

The **Enterprise Measurement and Design** team (EMD) within the **Veterans Experience Office** (VEO) is tasked with conducting transactional surveys of the customer population to measure their satisfaction with the Department of Veterans Affairs (VA) numerous benefit services. Thus, their mission is to empower Veterans by rapidly and discreetly collecting feedback on their interactions with such VA entities as National Cemetery Administration (NCA), Veterans Health Administration (VHA), and Veterans Benefits Administration (VBA). VEO surveys generally entail *probability* samples which only contact minimal numbers of customers necessary to obtain reliable estimates. This information is subsequently used by internal stakeholders to monitor, evaluate, and improve beneficiary processes. Customers are always able to decline participation and can opt out of future invitations. A *quarantine* protocol is maintained to limit the number of times a customer may be contacted over a period of time across all VEO surveys, in order to prevent survey fatigue.

Surveys issued by EMD are generally brief in nature and present a low amount of burden to customers. A few targeted questions will utilize a human centered design (HCD) methodology, revolving around concepts of Trust, Ease, Effectiveness and Emotion. Questions will focus on a specific aspect of a service process—spanning communication, applying for benefits, deliberation, and/or receipt of benefits. Structured questions directly address the pertinent issues regarding each surveyed line of business. The opportunity to volunteer open-ended text responses is provided within most surveys. This open text has been demonstrated to yield enormous information. Machine learning tools are used for text classification, ranking by sentiment scores, and screening for homelessness, depression, etc. Modern survey theory is used to create sample designs which are representative, statistically sound, and in accordance with OMB guidelines on federal surveys.

VEO has been commissioned by VBA to measure the satisfaction and experience of customers with the Veteran Readiness and Employment (VR&E), Chapter 31 (CH 31). VEO proposes to conduct a **brief survey** on customers who had experienced several milestones in the program. Sampled customers will be contacted through an invitation email. A link will be enclosed so the survey may be completed using an online interface, with customized customer information. The survey itself will consist of a handful of questions revolving around a human-centered design, focusing on such elements as trust, emotion, effective, and ease with the care they received.



## B. Basic Definitions

Coverage	The percentage of the population of interest that is included in the sampling frame.
Measurement Error	The difference between the response coded and the true value of the characteristic being studied for a respondent.
Non-Response	Failure of some respondents in the sample to provide responses in the survey.
Transaction	A <i>transaction</i> refers to the specific time a customer interacts with the VA that impacts the customer's journey and their perception of VA's effectiveness in servicing customers.
Response Rate	The ratio of participating persons to the number of contacted persons. This is one of the basic indicators of survey quality.
Sample	In statistics, a data sample is a set of data collected and/or selected from a statistical population by a defined procedure.
Sampling Error	Error due to taking a particular sample instead of measuring every unit in the population.
Sampling Frame	A list of units in the population from which a sample may be selected.
Reliability	The consistency or dependability of a measure. Also referred to as <i>standard error</i> .

## C. Application to Veterans Affairs

This measurement may bring insights and value to all stakeholders at VA. Front-line VA leaders can resolve individual feedback from customers and take steps to improve the customer experience; meanwhile VA executives can receive real-time updates on systematic trends that allow them to make changes.

- 1) To collect continuous customer experience data to monitor the relative success of programs designed to improve customer experience with VR&E CH 31.
- 2) To help field staff and the national office identify need of the specific population they serve
- 3) To better understand why VR&E CH 31 customers provide positive or negative feedback

## Part II – Methodology

### A. Target Population and Frame

The target population of the VR&E surveys is all VBA customers that have experiences one of three potential triggers.

- **Learning about and Applying for VR&E Survey:** when veterans are in Applicant status or exit Evaluation and Planning status and enter any other status



- **Participating in VR&E Survey:** when a participant is in either Independent Living or Rehabilitation to Employment status for 150 days or when a participant exits Independent Living or Rehabilitation to Employment status to Interrupted or Discontinued status (excluding those that are in discontinued status with the following reasons: non-pursuit, death, request case closure)
- **Completing VR&E Survey:** when a participant moves from Job Ready status to either Rehabilitated, Interrupted, or Discontinued status (excluding those that are in discontinued status with the following reasons: non-pursuit, death, request case closure)
- **Discontinued VR&E Survey:** when a participant enters Discontinued Case Status from Interrupted Case Status and prior to entering Interrupted Case Status, participants must have entered the following case status extended evaluation (EE) status, independent living (IL) status, rehabilitation to the point of employment (RTE) status, and job ready (JR) status and these participants in discontinued case status must be discontinued for being non-pursuit. A participant may also receive this survey if they entered discontinued case status with the reason that a claimant/participant requested the case to be closed.

The VEO will access the population data directly from VBA's data warehouse (EDW). The VEO will process the data and create a corresponding invite file.

## B. Sample Size Determination

For a given margin of error and confidence level, the sample size is calculated as below (Lohr, 1999). For population that is *large*, the equation below is used to yield a representative sample for proportions:

$$n_0 = \frac{Z_{\alpha/2}^2 pq}{e^2}$$

where

- $Z_{\alpha/2} = 1.96$ , which is the critical Z score value under the normal distribution when using a 95% confidence level ( $\alpha = 0.05$ ).
- $p$  = the estimated proportion of an attribute that is present in the population, with  $q=1-p$ .
  - Note that  $pq$  attains its maximum when value  $p=0.5$ , and this is often used for a conservative sample size (i.e., large enough for any proportion).
- $e$  = the desired level of precision; Also referred to as **MOE**.

For a population that is relatively *small*, the finite population correction is used to yield a representative sample for proportions:

$$n = \frac{n_0}{1 + \frac{n_0}{N}}$$

Where

- $n_0$  = Representative sample for proportions when the population is large.
- $N$  = Population size.



The margin of error surrounding the baseline proportion is calculated as:

$$\text{Margin of error} = z_{\alpha/2} \sqrt{\frac{N-n}{N-1}} \sqrt{\frac{p(1-p)}{n}}$$

Where

- $Z_{\alpha/2} = 1.96$ , which is the critical Z score value under the normal distribution when using a 95% confidence level ( $\alpha = 0.05$ ).
- $N$  = Population size.
- $n$  = Representative sample.
- $p$  = the estimated proportion of an attribute that is present in the population, with  $q=1-p$ .

Table 2 depicts the estimated number of unique VR&E customers within a month. Preliminary analysis of this population indicates that approximately **97%** of qualifying customers have provided an email address to VR&E CH 31. The sample sizes for each survey vary so we propose to randomly sample Veterans for all surveys. With current estimates, this would result in around, 11,812 completed surveys from 78,744 invitations per year. To account for potential estimation errors, improvement in email collection, or changes in business volume; we are requesting approval for a maximum of 13,000 completes annually across the four surveys.

**Table 2. Monthly Population and Survey Figures**

Surveys	Estimated Total Population	Approximate Email Population	Available Population <sup>1</sup>	Target Sample	Actual Sample Needed	Expected Response Rate	Error With 95% Confidence	Yearly Actual Sample Needed
<b>Learning about &amp; Applying for VR&amp;E Survey</b>	12,502	12,344	8,641	506	3,376	15%	4.0%	40,512
<b>Participating in VR&amp;E Survey</b>	3,435	3,434	2,404	203	1,354	15%	4.5%	16,248
<b>Completing VR&amp;E Survey</b>	1,504	1,503	1,052	158	968	15%	5.0%	11,616
<b>Discontinuing from VR&amp;E Survey</b>	1,425	1,424	997	130	864	15%	5.5%	10,368

<sup>1</sup> Excluding estimated duplicates and quarantined records (30% loss)



### C. Stratification

Stratification is used to ensure that the sample matches the population, to the extent possible, across sub-populations. The Learning & Applying for VR&E and Participating in VR&E surveys will be stratified by gender.

### D. Data Collection Methods

The population for the survey will be drawn from the VBA's Enterprise Data Warehouse (EDW). VEO data analysts will access the data to download the required fields from records that reached the one of the four milestones in the previous week. Any record with a valid email address will be included in the survey. Email invitations are delivered to all selected customers. Selected respondents will be contacted within 8 days of their interaction. They will have 14 days to complete the survey. Estimates will be accessible to data users instantly on the VSignals platform.

**Table 3. Survey Mode**

Mode of Data Collection	Recruitment Method	Time After Transaction	Recruitment Period	Collection Days
Online Survey	Email Recruitment	Within 8 days of interaction	14 Days (Reminder after 7 Days)	Tuesday

### E. Reporting

Researchers will be able to use the VSignals platform for interactive reporting and data visualization. Trust, Ease, Effectiveness, and Emotion scores can be observed for each). The scores may be viewed by various subgroups (e.g. gender) in various charts for different perspective. They are also depicted within time series plots to investigate trends. Finally, filter options are available to assess scores at varying time periods and within the context of other collected variable information.

Recruitment is continuous (weekly) but the results from several weeks may be combined into a *quarterly* estimate for more precise estimates, which is the recommended reporting level.



## F. Quality Control

To ensure the prevention of errors and inconsistencies in the data and the analysis, quality control procedures will be instituted in several steps of the survey process. Records will undergo a cleaning during the population file creation. The quality control steps are as follows.

1. Records will be reviewed for missing data. When records with missing data are discovered, they will be either excluded from the population file when required or coded as missing.
2. Any duplicate records will be removed from the population file to both maintain the probabilities of selection and prevent the double sampling of the same customer.
3. Invalid emails will be removed.

The survey sample loading and administration processes will have quality control measures built into them.

1. The extracted sample will be reviewed for representativeness. A secondary review will be applied to the final respondent sample.
2. The survey load process will be rigorously tested prior to the induction of the survey to ensure that sampled customers is not inadvertently dropped or sent multiple emails.
3. The email delivery process is monitored to ensure that bounce-back records will not hold up the email delivery process.

## G. Sample Weighting, Coverage Bias, and Non-Response Bias

A final respondent sample should closely resemble the true population, in terms of the demographic distributions (e.g. age groups). One problem that arises in the survey collection process is **nonresponse**, which is defined as failure of selected persons in the sample to provide responses. This occurs in various degrees to *all* surveys, but the resulting estimates can be distorted when some groups are actually more or less prone to complete the survey. In many applications, younger people are less likely to participate than older persons. Another problem is **under-coverage**, which is the event that certain groups of interest in the population are not even included in the sampling frame. They cannot participate because they cannot be contacted: those without an email address will be excluded from sample frame. These two phenomena may cause some groups to be over- or under-represented. In such cases, when the respondent population does not match the true population, conclusions drawn from the survey data may not be reliable and are said to be **biased**.

While we are not currently planning to weight the data, survey practitioners recommend the use of sampling weighting to improve inference on the population. This will be introduced into the survey process as a tool that helps the respondent sample more closely represent the overall population. Weighting adjustments are commonly applied in surveys to correct for nonresponse bias and coverage bias. As a business rule will be





implemented to require callers to provide email address, the coverage bias for this survey is expected to decrease. In many surveys, however, differential response rates may be observed across age groups. In the event that some age groups are more represented in the final respondent sample, the weighting application will yield somewhat smaller weights for this age group. Conversely, age groups that are underrepresented will receive larger weights. This phenomenon is termed *non-response bias correction* for a single variable. Strictly speaking, we can never know how non-respondents would have really answered the question, but the aforementioned adjustment calibrates the sample to resemble the full population – from the perspective of demographics. This may result in a substantial correction in the resulting weighting survey estimates when compared to direct estimates in the presence of non-negligible sample error (non-response bias).

It was reported earlier that the email population comprises 97% of the full VR&E CH 31 population. This is very respectable considering that 88% of US veterans utilize email (National Telecommunications and Information Administration, 2020). It is assumed that the level of customer satisfaction is not directly related to their email status (Missing at Random).

When implemented, weighting will utilize cell weights in real time. With each query on the VSignals platform for each respondent by dividing the target for a cell by the number of respondents in the cell. The weighting scheme will include, where possible all the variables used for explicit stratification. However, cells will be collapsed if the proportion of the population is insufficient to reliably achieve a minimum of 3 completes per month. As a result, weights may be more comprehensive for larger population segments. For instance, in the VA, women are a smaller proportion of the populations. Therefore, woman will have more collapsed cells than men.

As part of the weighting validation process, the weights of persons in age and gender groups are summed and verified that they match the universe estimates (i.e., population totals). Additionally, we calculate the *unequal weighting effect*, or UWE (see Kish, 1992; Liu et al., 2002). This statistic is an indication of the amount of variation that may be expected due to the inclusion of weighting. The unequal weighting effect estimates the percent increase in the variance of the final estimate due to the presence of weights and is calculated as:

$$UWE = 1 + cv_{weights}^2 = \left(\frac{s}{\bar{w}}\right)^2$$

where

- **cv** = coefficient of variation for all weights  $w_{ij}$ .
- **s** = sample standard deviation of weights.
- **$\bar{w}$**  = sample mean of weights,  $\bar{w} = \frac{1}{n} \sum_{ij} w_{ij}$ .

## H. Quarantine Rules

VEO seeks to limit contact with customers as much as possible, and only as needed to achieve measurement goals. These rules are enacted to prevent excessive recruitment attempts upon VA's customers. VEO also monitors participation within other



surveys, to ensure veterans and other customers do not experience survey fatigue. All VEO surveys offer options for respondents to opt out, and ensure they are no longer contacted for a specific survey. VEO also monitors Veteran participation within other surveys, to ensure customers do not experience survey *fatigue*.

**Table 4. Quarantine Protocol**

Quarantine Rule	Description	Elapsed Time
<b>Repeated Sampling for VR&amp;E Survey</b>	Number of days between receiving/completing online survey, prior to receiving email invitation for VR&E CH 31 experience	30 Days
<b>Other VEO Surveys</b>	Number of days between receiving/completing online survey and becoming eligible for another VEO survey	30 Days
<b>Opt Outs</b>	Persons indicating their wish to opt out of either phone or online survey will no longer be contacted.	N/A

### **Part III – Assumptions and Limitations**

#### **A. Coverage Bias**

Since the VEO VR&E CH 31 Surveys are email only, there is a small population of VBA VR&E CH 31 customers that cannot be reached by the survey. Veterans that lack access to the internet or do not use email may have different levels of trust and satisfaction with their service. As such, it is thought that customers in this latter category do not harbor any tangible differences to other Veterans who do share their information. In order to verify this, VEO plans to execute a coverage bias study to assess the amount of coverage bias due and derive adjustment factors in the presence of non-negligible bias.



## References

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