

STATISTICS CANADA

CANADIAN HEALTH MEASURES SURVEY (CHMS)

ALARM AND TEMPERATURE MONITORING SYSTEM/SERVICES

REQUEST FOR INFORMATION

FEBRUARY 28, 2022

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1. Background and Purpose

1.1 Background

The Canadian Health Measures Survey (CHMS), is a national survey conducted by Statistics Canada in partnership with Health Canada and the Public Health Agency of Canada (PHAC). The purpose of the survey is to collect nationally representative information regarding the general health and lifestyles of Canadians.

The CHMS is collecting information on the health of Canadians by means of questionnaires, physical measures, and biospecimen collection. Analyses of biospecimens in blood, urine, and saliva are done for a variety of biomarkers such as nutrition, chronic and infectious diseases, environmental exposure, etc.

Data is collected through personal interviews at two of Statistics Canada's Mobile Examination Centers (MEC). During the MEC visit, the respondents are interviewed and basic information regarding their demographics and health is collected. Later on during the interview, blood, urine, and saliva samples are collected based on the respondent's given consent and their answers to a series of screening questions for risk factors in order to ensure their safety.

Approximately 2500 respondents participate in the CHMS every year. During that time, the survey collects data and biospecimens from 8 different sites (for a duration of 6 weeks each). Only one Mobile Examination Center (MEC) is used at a time and the same teams travel from one site to another. The CHMS then collaborates with external laboratories across Canada to analyze and store the samples collected.

The following short video provides a tour of the inside of one of our MECs:

<https://youtu.be/z7w0avNMUtk>

The layout of the MEC can be found in APPENDIX A (Layout of the Production MEC).

Note: Due to the current pandemic, the CHMS has paused its collection. It is expected that collection will start again in fall 2022.

1.2 Purpose

To ensure the protection of its employees, respondents, and installations, the CHMS was using the services of an alarm monitoring company during each site. This alarm system design and its components have been in use for almost 12 years. The CHMS is currently investigating options to improve the overall system and include new components such as temperature monitoring (for its fridges and freezers) and panic buttons.

Therefore Statistics Canada is releasing this Request for Information (RFI) in order to obtain information on the availability of alarm, panic button, and temperature monitoring solutions for use in a mobile environment in Canada.

More specifically, Statistics Canada seeks information regarding the availability of:

- Companies that can provide alarm systems with panic button functionality which are able to function in mobile environments and provide service across Canada.
- Companies that can provide temperature monitoring systems for a number of Fridges and Freezers which are able to function in mobile environments and provide service across Canada.

Statistics Canada is particularly interested in receiving information from suppliers that:

- Can provide one system to do both of the above, or two separate systems that can both use the same network access point for ease of installation.

This RFI is a market consultation document issued for the purposes of obtaining information to assist Statistics Canada in its procurement planning and is not intended to result in any contract awarded. This RFI is neither a call for tender nor a Request for Proposal (RFP). The issuing of this RFI is not to be considered in any way as authority to potential respondents to undertake any work that could be charged to Statistics Canada. This RFI is not to be considered as a commitment to issue a subsequent solicitation or award any contracts for the work described herein.

While a response to this RFI does not constitute a bid or proposal, and a supplier is not required to respond to this RFI to be eligible to submit a bid and/or proposal in response to any subsequent solicitation process, Statistics Canada may use any information obtained for drafting subsequent solicitation documents and for budgetary purposes. In other words, participation in the RFI is encouraged but it is not mandatory.

Respondents will not be reimbursed for any cost incurred in participation in the RFI.

Respondents should direct any request for additional information or clarification related to this RFI in writing by email to: statcan.macs-bids-smc-soumissions.statcan@canada.ca

2. Guidelines for RFI Respondents

1. Statistics Canada would like to remind respondents that this is an RFI and not a RFP. Therefore, respondents should feel free to provide comments, concerns, and, where applicable, recommendations about how the data and services might be delivered. Statistics Canada encourages respondents to comment on the content of this RFI document and to provide information on their experience and qualification, as well as any additional information that will help Statistics Canada with procurement planning.
2. Responses received after the specified closing deadline for this RFI may or may not be considered, depending on Statistics Canada's timeline and schedule. Respondents may withdraw from responding to this RFI at any time and may do so by sending an email message to statcan.macs-bids-smc-soumissions.statcan@canada.ca.
3. Wherever possible, respondents should present the information requested in this RFI in a table according to the format presented in Section 5.
4. Respondents are encouraged to send responses even if they are not able to answer all questions presented in Section 5.
5. All requirements and conditions in this RFI are for the benefit of Statistics Canada and are not to be misconstrued as undertaking or an obligation on the part of Statistics Canada.
6. All responses received and presented to Statistics Canada will be kept strictly confidential and will be retained to support the further development of internal procurement planning documents and budgetary decisions.

3. Statistics Canada Overview

3.1 Mandate of Statistics Canada

Under the Statistics Act, Statistics Canada is required to collect, compile, analyse, abstract and publish statistical information relating to the commercial, industrial, financial, social, economic and general activities and condition of the people of Canada.

Statistics Canada has two main objectives:

1. To provide statistical information and analysis about Canada's economic and social structure to:

- Develop and evaluate public policies and programs; and
- Improve public and private decision-making for the benefit of all Canadians.

2. To promote sound statistical standards and practices by:

- Using common concepts and classifications to provide better quality data;
- Working with the provinces and territories to achieve greater efficiency in data collection and less duplication;
- Reducing the burden on respondents through greater use of data sharing agreements (sources used include annual tax records, monthly employee payroll records, and customs records); and
- Improving statistical methods and systems through joint research studies and projects.

More information about Statistics Canada is available at www.statcan.gc.ca

3.2 Objectives of the RFI

As mentioned previously, the objective of this RFI is to better understand the availability of alarm and temperature monitoring systems for use in mobile clinic trailers. Additionally, this RFI will assist Statistics Canada in the evaluation of the feasibility of integrating a traditional alarm system with temperature probe monitoring and panic button functionality. Further consultations or bid solicitations may follow.

4. Responding to the Request for information

4.1 No Commitment or Obligation

This RFI document and any responses received do not constitute a commitment or an obligation on the part of Statistics Canada to establish a contract with one or more parties.

4.2 Confidentiality of Respondents Information

Respondents should identify any information submitted that is to be considered as either CONFIDENTIAL or PROPRIETARY and, if identified as such, information will be treated accordingly by Statistics Canada.

Statistics Canada's commitment is to keep in trust the information it obtains from the Canadian public in conformity with the requirements of the *Statistics Act* and the Agency's various policies and practices that frame its data collection, analysis and dissemination activities.

4.3 Abbreviations / References

- CHMS – Canadian Health Measures Survey
- MEC – Mobile Examination Centre
- RFI – Request for Information
- RFP – Request for Proposal

4.4 Reserved Rights

In addition to any other expressed or implied rights, Statistics Canada reserves the right to:

- Cancel this RFI process at any time and issue a new RFI for the same or similar information;
- Change the structure of the RFI process;
- Vary or extend any date or time in this RFI at any time, and of such a period as Statistics Canada at its sole and absolute discretion considers appropriate;
- Make changes, including substantial changes, to this RFI provided they are issued in an addendum to this RFI;
- Request written clarification or the submission of supplementary information from any or all respondents, or provide additional information or clarification; and
- Not consider any responses that contain information that Statistics Canada (in its sole and absolute discretion) believes contain misrepresentation, or any other inaccurate, or misleading information.

5. Response Table for the Request for Information

To gain the greatest value from responses to this RFI and to facilitate a consistent and structured assessment of the information provided to Statistics Canada, please respond to the questions in the following table. If possible, the information provided should be complete and not require referencing other material not included unless there is no other way of providing the information. Wherever applicable, the information provided should go beyond what may already be publicly available, such as on a website. To better understand the marketplace of alarm and temperature monitoring systems and their respective industries, the questions in this section are designed to provide Statistics Canada with information regarding:

- A summary of your Business Profile;
- The services your business provides with regards to Alarm or Temperature Monitoring Systems;
- The costs of your associated services; and
- The systems and technology used by your business for Alarm or Temperature Monitoring.

Below are the exact questions which Statistics Canada is looking for answers for:

5.1	Supplier Profile Please provide a summary of your business profile. This should include (but is not limited to) the number of years in business, location(s), number of employees, etc.
5.2	Accessibility and Services Offered Please provide details on the services offered by your business related to alarm and temperature monitoring products and services. Also, include partnerships or collaborations with other companies in order to offer extended services (if applicable).
5.3	Integration of Temperature Monitoring System with Alarm Monitoring From our understanding, regular alarm monitoring and temperature monitoring services are not provided by the same companies. Do you think these services could be combined under one contract and managed by one company alone? Could the installation and implementation of a complete solution be done by only one company?
5.4	General Information Provided in this RFI Was the information related to the CHMS's needs, provided in this RFI, clear and easy to understand? Is there any details that should be added or modified in order for the Industry to better understand the operational requirements of this project?
5.5	General Concerns & Challenges

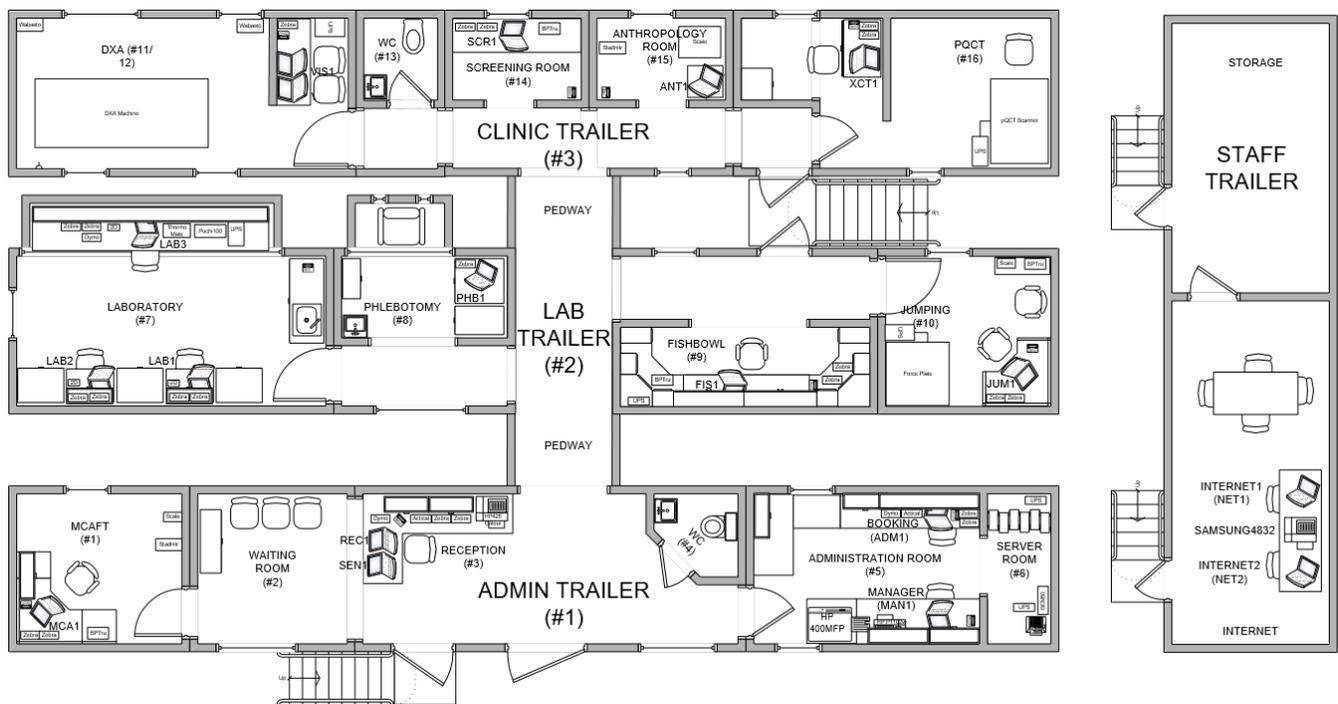
	Do you consider any requirement detailed in this RFI a source of concern or risk (for example: availability of services or parts, efficiency, security, etc.)?
5.6	Potential Improvements Are there any improvements you would suggest that could allow the CHMS to fulfill its operational needs more efficiently or at a lower cost?
5.6	General Comments Are there any other comments you would like to add concerning the RFI and its objectives?

APPENDIX A Layout of the Production MEC

The diagram below represents the current layout of a Mobile Examination Center (MEC) when set-up at a site. Each MEC is comprised of 3 x 53' long trailers which are interconnected. A fourth trailer is used as storage and a meeting place for the MEC staff. Each of these four trailers must be monitored by the alarm company during collection.

Note:

The CHMS owns the 3 interconnected trailers making up each MEC, but the fourth trailer changes every site. Therefore, some components of the alarm system must be installed every site (door & movement sensors).



APPENDIX B Monitoring Services Requirements

The CHMS was using and wants to keep using the monitoring services of a single company to provide nationwide alarm system monitoring, maintenance, and service for Statistics Canada's mobile health clinics.

The alarm company must be able to provide the following services:

- 24-hour nationwide monitoring, including holidays;
- A complete stand-alone solution, independent of CHMS networks;
- Up to 60 minutes of telephone support for establishing or troubleshooting the alarm connection at each site;
- Any programming costs associated with the transfer from one site to another;
- A central service point-of-contact for the CHMS to contact regarding site/location changes;
- A central point-of-contact for billing;
- Unlimited changes to access lists by authorized CHMS managers;
- External/Independent System Preferred (Hardwiring the system may cause issues)
- GPS tracking at all times, even when not on-site;
- Possibility to receive notifications in case of power outage;
- Camera feed so that we can report break-ins remotely, these feeds will be turned off when the alarm system is not engaged (Please Note: External camera's can only extend a maximum of 6 inches outside the trailers);
- Reporting of system status by mobile notifications and also via web portal accessible on the cloud (i.e. power outages, system downtime, activations/deactivations, etc).

While the CHMS currently has existing components of an alarm system, the objective is to replace what is necessary in order to improve the overall performance of the system and service.

List of items in the current system (for reference only)

Staff Trailer (installed and removed at every site)

- Magnetic sensors (staff trailer): 70008196 / ESN:23FEC2 1549 S:23*653*2
- Motion sensor (staff trailer): RES INTRUSION DETECTION UNIT / Model WLS914-433 FCC ID: F5300N8914 / IC: 1601032203
- Keypad (staff trailer): SCW9057

MEC (permanent installation)

- Keypad: Power series 64-zone LCD picture icon keypad DSC PK5501
- Keypad: DSC model number RFK5501ENG
- Motion detector BV 300 PRI
- Surface magnetic alarm EMPS85-W Honeywell
- Smoke/heat detectors DSC FSA- 410AST

APPENDIX C Panic Button Requirements

The CHMS is investigating the options allowing the integration of panic buttons as a component of the alarm system monitoring.

Requirements:

The proposed solution must be linked to the central alarm company, and be part of the same alarm system monitoring service and contract.

- Possibility to trigger and cancel alarm notifications from specific rooms of the MEC;
- Possibility to identify, from a main dashboard, which room the alarm is coming from;
- Must be able to employ a system with panic buttons for at least three rooms with an option for additional ones
- System must be able to be adjusted in the future to accommodate changes to the MEC layout

APPENDIX D Temperature Monitoring Requirements

The CHMS is investigating the possibility of integrating temperature monitoring of its fridges and freezers into the alarm monitoring system.

Requirements:

The proposed solution must be linked to the central alarm company, and be part of the same alarm system monitoring service and contract.

The solution must offer the following options:

- Remote access at all times via web portal to real-time and historical sensor data, with compliant graphs and reports;
- Remote access/control of the system via both mobile and desktop systems.
- Usage of sensors and probes to record data and transmit said data to a reader (connected to a server managed by the service provider where all the data is recorded and transmitted);
- Ability to add or remove sensors and probes when needed and to adjust temperature ranges;
- Ability to set different types of notifications when the temperatures leave a predefined range or when a problem is detected by the system (phone call, text message, etc);
- Possibility to integrate the data into a Laboratory Information Management System (LIMS).
- Comment on why modification done on the dashboard.
Probes must: Be modular (able to be added/removed), provide a large range of customizable temperature ranges between 20 degree's Celsius to minus 100 degree's Celsius

APPENDIX E Current Zones Monitored

Note: for reference only. Zones are subject to change.

<u>Area</u>	<u>Schedule</u>	<u>Description</u>
1		Added by Signal Handler

***** Zones *****

<u>Area</u>	<u>Zone</u>	<u>Description</u>
*	0	Panic Button Lariat
*	1	Door Handicap Trailer 1
*	2	IR Admin Trailer 1
*	3	IR Hallway Trailer 1
*	4	IR Fitness Room 1 Trailer 1
*	9	Door Trailer 3
*	10	IR Hallway Rear Trailer 3
*	11	IR Fitness Room 4 Hearing Trailer 3
*	12	IR Hallway Front Trailer 3
*	13	Window Fitness Room 4 Hearing Trailer3
*	14	Window Interview Room 2 Trailer 3
*	15	Smoke Trailer 3
*	16	Smoke Health Trailer 3
*	17	Door Lab Trailer 2
*	18	IR Hallway Room 2 Trailer 2
*	19	IR Hallway Trailer 2
*	20	IR Laboratory Trailer 2
*	21	Window Lab Trailer 2
*	22	Window Hallway Trailer 2
*	23	Window Hallway Trailer 2
*	25	Front Door Trailer