

Government of Canada

# Gouvernement du Canada

<u>Canada.ca</u> ➤ <u>CBSA</u> ➤ <u>Corporate documents</u> ➤ <u>Audit and evaluation reports</u>

# **Evaluation of eManifest**

Final Report

July 2024

Program Evaluation Division, Internal Audit and Program Evaluation Directorate

# **Table of contents**

- Overview of eManifest
- Evaluation scope, approach and methods
- Overall findings and recommendations
- Management Response and Action Plan (MRAP)
- Appendices
  - A. Detailed findings
  - o B. Endnotes
  - o C. Key and supplementary eManifest Information
  - o D. Evaluation methodology and limitations
  - E. Acronyms

# Overview of the eManifest initiative

The eManifest initiative was implemented to modernize and streamline the Canada Border Services Agency's (CBSA or "the Agency") commercial process. It expanded on the groundwork set by the Agency's *Advance Commercial Information* (ACI) initiative and completed the transition from a traditional, paper-based commercial process to an automated one.[1]

eManifest was delivered through a project that launched in 2006-07 and closed in 2018-19. It involved making program, policy, and legislative changes, in stages over time, to legally mandate Trade Chain Partners (TCP) to submit commercial information to the <u>CBSA (Canada Border Services Agency)</u>, electronically and prior to their arrival in Canada. The project also involved developing Information Technology (IT) system components and functionalities to enable electronic data transmission, warehousing, and retrieval for risk assessing commercial shipments in all modes of transportation.

Prior to eManifest implementation, <u>TCPs (Trade Chain Partner)</u> (i.e., carriers) were able to submit electronic pre-arrival information in Marine, Air and Rail modes, but not in Highway mode.[2] eManifest implementation filled the gap in the Highway mode and, in 2021, made electronic pre-arrival commercial data submission mandatory for carriers and Freight Forwarders (FF) in all modes. A timeline of events follows. Key definitions can be found in <u>Appendix C</u>.

In 2018-19, the eManifest initiative transitioned from a project to a **functional component of the commercial process** and is now under the functional authority of the Commercial and Trade Branch (CTB). In its steady state, eManifest is **expected to deliver on the following results**:

- 1. Improved risk assessment (as pre-arrival, electronic commercial data allows the <u>CBSA (Canada Border Services Agency</u>) to identify and target high-risk shipments)
- 2. Faster, more efficient frontline processing for commercial trade
- 3. Reduced administrative burden on businesses

These expected results align with the eManifest project's intended benefits (refer to <u>Appendix D</u> for original intended benefit statements).

# Summary: eManifest key events timeline

2004 & 2005

<u>ACI (Advance Commercial Information)</u> Phases I & II: Electronic pre-arrival data mandated for **Air and Marine** modes for **carriers** (not <u>FFs (Freight Forwarder)</u>)

2006

First eManifest Treasury Board (TB) submission

2015

eManifest milestone: Electronic pre-arrival data mandated for **Rail and Highway** modes for **carriers** (not FFs (Freight Forwarder))

2016

Second eManifest TB (Treasury Board) submission

2019

eManifest Project closure

December 2021

eManifest milestone: Electronic pre-arrival data mandated **for FFs (Freight Forwarder)** in all modes

Development of eManifest <u>IT (Information Technology)</u> components, enabling electronic data exchange in highway mode [3]

2011

eManifest Portal available to end-users

2015

Commercial Threat Assessment System (CTAS) available to end-users

2019

Commercial Passage (CPSG) available to front counter (limited functionality)

2023 and ongoing

Milestone: <u>CBSA (Canada Border Services Agency)</u> now receives electronic pre-arrival data from **all required parties across all modes** 

Note: Given the importance of the December 2021 milestone, the evaluation will often present the impacts of eManifest through changes observed pre and post this date, although changes were implemented over time up to that date.

eManifest capabilities and key players

eManifest supports the following capabilities of the commercial process:

- **Pre-arrival data:** TCPs (Trade Chain Partner) submit pre-arrival electronic data to the CBSA (Canada Border Services Agency) using the *Electronic Data Interchange* (EDI) or through a secure online reporting method called the *eManifest Portal*.
- **Data warehousing:** The <u>CBSA (Canada Border Services Agency)</u> collects and stores this information across multiple <u>IT (Information Technology)</u> systems, both newly developed and legacy.
- Risk assessment: The National Targeting Centre (NTC) retrieves the pre-arrival data and risk assesses it using a combination of automated and manual analytical tools. Following review, the goods are moved

forward in the commercial continuum, either for further processing or to be released into Canada.

 After processing, the commercial shipment is either released or examined, and enforcement actions are carried out if illegitimate goods are found.

Key <u>CBSA</u> (<u>Canada Border Services Agency</u>) stakeholders (eManifest – steady state)

Office of Primary Interest (OPI): CTB (Commercial and Trade Branch)

- Transformation, Planning and Projects Directorate (TPPD)
  - Responsible for fund management and the transition of eManifest to steady-state
- Commercial Program Directorate
  - Benefit owner and Functional Authority of steady-state eManifest (policy and program support)

End-users: Intelligence and Enforcement Branch (IEB) and Regions

- Ports of Entry and Intelligence and Enforcement Operations (Regions)
  - Process commercial cargo
  - Conduct cargo tracing
  - Support risk assessment
- NTC (National Targeting Centre), IEB (Intelligence and Enforcement Branch)
  - Conducts risk assessment
  - Supports development of automated risk assessment rules

Information, Science and Technology Branch (ISTB):

- Develops and maintains information technology systems
- Provides technical support to system end-users

# **Evaluation scope and methods**

## **Evaluation Scope:**

Relevance: Continued utility of eManifest in relation to the <u>CBSA</u>
 (<u>Canada Border Services Agency</u>)'s overall suite of <u>IT (Information Technology</u>)-enabled services

### • Achievement of results:

- Data acquisition and administrative non-compliance to enable risk assessment
- Extent to which expected results have been achieved
- Impacts of eManifest (positive and negative, intended and unintended) on the <u>CBSA (Canada Border Services Agency</u>) and its stakeholders, including with respect to resource allocation

## Out of scope:

- eManifest's funding and expenditures, as <u>CTB (Commercial and Trade Branch)</u> conducted a reassessment of eManifest's ongoing funding requirements concurrent to this evaluation.
- eManifest project management: eManifest as a project was only examined with respect to how elements of project delivery impacted steady-state operations.
- TCPs (Trade Chain Partner) were not consulted as part of this
  evaluation. As eManifest was only fully operationalized in 2021, it is too
  early to assess its impact on TCPs (Trade Chain Partner). Ensuring TCP
  (Trade Chain Partner) views are gathered in the future will be taken
  into account when planning future evaluation activities.

# **Expected results assessed:**

- 1. Improved risk assessment
- 2. Faster, more efficient frontline processing for commercial trade

3. Reduced administrative burden on businesses (limited assessment)

### Lines of evidence used:

Operational and financial data, headquarters (HQ) consultations, regional questionnaire, operational scenarios, document review, and project performance metrics review. (See <u>Appendix D</u> for more information on the evaluation methodology and its limitations.)

# **Evaluation coverage:**

The evaluation covers the five fiscal years from 2018-19 to 2022-23.

# **Evaluation considerations and limitations**

#### **General considerations:**

- While eManifest implementation affected all modes, it had the most significant impact on the Highway mode, as risk assessment in Highway mode was not previously conducted.
- eManifest contributions to commercial processing results cannot be isolated from other contributing factors which may impact results (such as increases in commercial volumes).
- The commercial program is a complex process that involves various components and sub-processes. Within this continuum, eManifest is just one functional component among many others.

# Limitations and considerations on assessing efficiency:

- The evaluation was not able to assess resource efficiency, as the Agency was not using specific Work Breakdown Structure (WBS) codes to track steady-state eManifest expenditures in isolation from commercial processing activities. [4]
- At the time of the evaluation, the <u>CTB (Commercial and Trade Branch)</u> was conducting a parallel, substantive assessment of eManifest

- funding which is expected to complement the evaluation findings related to resource use.
- Process efficiencies are contingent on fully achieving risk assessment results.

#### **Data considerations and limitations:**

- Performance data is not collected/stored in a way that isolates effects of a single component or sub-process of the Commercial Program.
- For the purposes of this evaluation, electronic pre-arrival commercial data across all four modes was considered to be eManifest data, regardless of the <a href="IT (Information Technology">IT (Information Technology</a>) system used to transmit or store the data.
- eManifest has been implemented for only a few years now electronic pre-arrival data was mandated for all <u>TCPs (Trade Chain Partner)</u> (carriers and <u>FFs (Freight Forwarder)</u>) across all modes in December 2021. This limited the evaluation in identifying data trends to assess the effectiveness or efficiency of eManifest.
- Since electronic submission of pre-arrival commercial data in Marine and Air modes was mandated for some <u>TCPs</u> (<u>Trade Chain Partner</u>) under the <u>ACI (Advance Commercial Information</u>) initiative prior to eManifest, the evaluation focused on assessing results achieved and process efficiencies gained specifically in the Highway mode, as it is in this mode where eManifest results are the most evident.

# Overall findings

eManifest implementation is aligned with the <u>CBSA (Canada Border Services Agency)</u> and the Government of Canada's digitalization and modernization efforts, and the shift to electronic data submission was

necessary to undertake. While more time will be required to determine eManifest's true impacts, the following contributions and areas for improvement were identified:

- eManifest implementation increased the volume of electronic prearrival commercial data used for risk assessment across all modes, and put in place data quality controls. This data is leveraged by the <u>NTC</u> (<u>National Targeting Centre</u>) to conduct risk assessment and issue targets in the Highway mode, a capability that did not previously exist.
- eManifest contributed additional benefits to the Agency, including: enabling the Agency to recover lost revenue, improving commercial process efficiency and electronic communication with <u>TCPs (Trade Chain Partner)</u>. However, additional time and data are needed to fully assess the extent of these results.
- Unclear roles and responsibilities for steady-state eManifest, and a fragmented understanding of eManifest among Agency stakeholders, limit its effectiveness.
- Functionality gaps in the systems developed as part of eManifest resulted in continued end-user reliance on aging legacy systems and inefficient workarounds that may not maximize the benefits of using electronic pre-arrival data for risk assessment and targeting, particularly in the Marine and Air modes.

Despite some challenges, eManifest continues to be useful to the Agency as it provides the basis for ongoing development of capabilities and functionalities needed for efficient and effective commercial processing. Two recommendations are presented to fill the existing gaps and improve realization of expected results.

# Recommendation 1 and associated findings

# There is a fragmented understanding of eManifest and unclear roles and responsibilities for results achievement and performance tracking

Depending on Agency stakeholders' role and interaction with eManifest, their definition of eManifest varied. This could contribute to a lack of consensus across the Agency on what aspects of eManifest are working well and what areas require improvements.

Additionally, the evaluation found that the roles and responsibilities for eManifest as a functional component of the Commercial Program have not been updated under the Agency's Functional Management Model (FMM), leading to gaps in governance and accountability for results, performance measurement and reporting. The Agency continues to use the key performance indicator (KPI) developed for the eManifest project; steady-state KPIs (Key Performance Indicator) have not been developed.

A mechanism to monitor and report on eManifest's ongoing results is required. eManifest <u>KPIs</u> (<u>Key Performance Indicator</u>) for all modes are needed to determine if risk assessment and targeting efforts using eManifest data are effectively contributing to the Agency's goals.

#### **Recommendation 1:**

In order to ensure consistent understanding of eManifest and its results, the Vice President (VP) of CTB (Commercial and Trade Branch) should develop and communicate a performance measurement strategy for eManifest, either by embedding it within the existing Commercial Program Performance Measurement Framework or as a standalone framework. The strategy should include:

• A clear definition of eManifest;

- Clearly defined roles and responsibilities for eManifest as a functional component within commercial processing, including performance measurement and reporting; and,
- <u>KPIs (Key Performance Indicator)</u> aimed at assessing eManifest's contributions to gained efficiencies and to the effectiveness of risk assessment across all modes.

# Recommendation 2 and associated findings

# Functionality gaps within the newly developed eManifest systems exist

The implementation of eManifest addressed risk assessment gaps in the Highway and Rail modes by adding system functionality where it did not previously exist. The <u>CBSA (Canada Border Services Agency)</u> implemented a complex <u>IT (Information Technology)</u> architecture, adding functionalities to existing legacy systems and developing new systems.

While newly developed systems were originally intended to allow for risk assessment and targeting in all modes, the end-user risk assessment interface functionality in Air and Marine modes was deferred and is yet to be delivered. As a result, the NTC (National Targeting Centre) continues to rely on legacy systems for risk assessment and targeting in Marine and Air modes, using inefficient workaround solutions. Another system limitation due to project scope change is the inability to assess the effectiveness of risk assessment and targeting efforts, therefore not being able to 'close the loop' on commercial examination results.[5]

Similar functionality gaps were previously identified within the Agency but were not fully addressed, and there continue to be challenges for end-users of eManifest systems. CTB (Commercial and Trade Branch) and ISTB (Information, Science and Technology Branch) noted that there are future

plans to develop additional components and functionalities within newly developed systems; however, there is currently no timeline for this work to be completed.

### **Recommendation 2:**

The <u>VP (Vice President)</u> of <u>CTB (Commercial and Trade Branch)</u>, in collaboration with the <u>VPs (Vice President)</u> of <u>IEB (Intelligence and Enforcement Branch)</u> and <u>ISTB (Information, Science and Technology Branch)</u>, should develop and communicate an actionable plan with clear timelines to add end-user functionality to the eManifest systems.

Consideration should be given to functionality that:

- enables risk assessment and targeting in the Air and Marine modes;
   and
- allows the Agency to track the results of risk assessment and targeting on commercial examination results in all modes.

The plan should consider Agency-wide information system needs, priorities, and alternatives.

# Management Response and Action Plan (MRAP)

**Recommendation 1:** Develop and communicate a performance measurement strategy for eManifest, including a clear definition of eManifest and clearly defined roles and responsibilities.

**Management response:** The <u>VP</u> (<u>Vice President</u>) of <u>CTB</u> (<u>Commercial and Trade Branch</u>) agrees with the recommendation to develop and communicate a performance measurement strategy for eManifest. The related <u>CTB</u> (<u>Commercial and Trade Branch</u>) consultations to be led by the eManifest Task Force and scheduled to be completed within 9 months of

Canada Assessment and Revenue Management (CARM) Release 3 (R3) with relevant stakeholders, including the regions, ISTB (Information, Science and Technology Branch) and IEB (Intelligence and Enforcement Branch) will lead to: the development and adoption of a clear and detailed definition of eManifest, which will include related roles and responsibilities, as well as the development of an eManifest performance measurement strategy with KPIs (Key Performance Indicator). The performance measurement strategy will be developed to align to the development of eManifest performance data and reporting capability, to ensure results against KPIs (Key Performance Indicator) can be tracked and measured.

This exercise will result in a clear governance structure for eManifest providing oversight and guidance on all aspects of the initiative, with consideration given to integration with <u>CARM (Canada Assessment and Revenue Management)</u> governance given schedule and systems interdependencies. These elements will be components of the actionable plan mentioned in recommendation 2.

Table 1: MRAP (Management Response and Action Plan) to Recommendation 1

Management Action	Completion		
Plan	Date	Lead	Support

725, 10.46 PW	Evalue	ation of emailiest	
Management Action Plan	Completion Date	Lead	Support
1. Create/establish an eManifest Taskforce	August 31, 2024	CTB (Commercial and Trade Branch)	CTB (Commercial and Trade Branch), Regions, IEB (Intelligence and Enforcement Branch), ISTB (Information, Science and Technology Branch)

Management Action Plan	Completion Date	Lead	Support
2. Develop governance structure for an operational, steady-state eManifest that accounts for interdependencies with CARM (Canada Assessment and Revenue Management), and disseminate governance document outlining Terms of Reference/eManifest roles and responsibilities and obtain concurrence from CBSA (Canada Border Services Agency) Offices of Collateral Interest.	October 31, 2024	(Commercial and Trade Branch)	CTB (Commercial and Trade Branch), Regions, IEB (Intelligence and Enforcement Branch), ISTB (Information, Science and Technology Branch)

0/25, 10:46 PW	Evaldati	on or emarinest	
Management Action Plan	Completion Date	Lead	Support
3. Develop and disseminate a clear definition of eManifest, including a concise definition on eManifest itself and details on key roles and responsibilities and expected results.	April 30, 2025	CTB (Commercial and Trade Branch)	CTB (Commercial and Trade Branch), Regions, IEB (Intelligence and Enforcement Branch), ISTB (Information, Science and Technology Branch)

Management Action Plan	Completion Date	Lead	Support
4. Leveraging the current efforts to develop the Agency reporting capability and the need to develop the data, establish a Performance Measurement Strategy including updated KPIs (Key Performance Indicator) reflective of available data, as well as individual baselines and tools to measure each KPI (Key Performance Indicator).	Nine months following CARM (Canada Assessment and Revenue Management) R3*	CTB (Commercial and Trade Branch)	CTB (Commercial and Trade Branch), Regions, IEB (Intelligence and Enforcement Branch), ISTB (Information, Science and Technology Branch), Strategic Policy Branch (SPB), Finance and Corporate Management Branch (FCMB)

<sup>\*</sup>CARM (Canada Assessment and Revenue Management) R3 is currently anticipated for October 2024, so action item completion is anticipated for July 31, 2025.

**Recommendation 2:** Develop and communicate an actionable plan with clear timelines to add end-user functionality to the eManifest systems.

### **Management response:**

• The <u>VP (Vice President)</u> of <u>CTB (Commercial and Trade Branch)</u> agrees with the recommendation to develop and communicate an actionable plan to add end-user functionality to the eManifest systems, with the

- note that given the interdependencies between eManifest and <u>CARM</u> (<u>Canada Assessment and Revenue Management</u>), development of this actionable plan will begin following <u>CARM</u> (<u>Canada Assessment and Revenue Management</u>) R3 in order to ensure that anticipated eManifest functionality releases are aligned to any identified contingencies.
- Following CARM (Canada Assessment and Revenue Management) R3, the CTB (Commercial and Trade Branch) will develop an eManifest functionality deployment plan, in consultation with stakeholders, including the regions, IEB (Intelligence and Enforcement Branch), ISTB (Information, Science and Technology Branch), SPB (Strategic Policy Branch), and the Human Resources Branch (HRB) and seek consensus on the way forward. The deployment plan will provide clear guidance and actionable items in the development and implementation of enduser functionality for risk assessment and targeting in all modes including Air and Marine. The plan will also explore options for reporting tools to track the results of risk assessment and targeting on commercial examination in all modes.
- While the deployment plan cannot commit to clear timelines (specific dates) for functionality releases that are multiple years in the future due to the interdependencies between eManifest and <u>CARM (Canada Assessment and Revenue Management)</u>, the plan will indicate specific dates for the eManifest releases in the near term as well as timelines conditional on <u>CARM (Canada Assessment and Revenue Management)</u> production and release dates for later planned eManifest releases. For this reason, the deployment plan will be reviewed following each <u>CARM (Canada Assessment and Revenue Management)</u> release and the specific dates of subsequent eManifest releases will be identified at these points in time.

Table 2: MRAP (Management Response and Action Plan) to Recommendation 2

Management Action Plan	Completion Date	Lead	Support
1. Develop and communicate an actionable plan to add reporting and end-user functionality for the risk assessment and targeting in all modes including Air and Marine.	Nine months following <u>CARM</u> ( <u>Canada</u> Assessment and Revenue Management) R3	CTB (Commercial and Trade Branch)	CTB (Commercial and Trade Branch), Regions, IEB (Intelligence and Enforcement Branch), ISTB (Information, Science and Technology Branch), HRB (Human Resources Branch)

<sup>\*</sup>CARM (Canada Assessment and Revenue Management) R3 is currently anticipated for October 2024, so action item completion is anticipated for July 31, 2025.

# **Appendices**

# Appendix A: Detailed findings

# **Findings Overview**

#### Relevance

1. Fragmented understanding

 Finding 1: There is a fragmented understanding of eManifest among Agency stakeholders which could be hindering collaboration and effectiveness.

## 2. Roles and responsibilities

 Finding 2: Roles and responsibilities for eManifest and for its results as a functional component of the Commercial Program are not clear.

#### **Achievement of Results**

## 3. Improved risk assessment

- Data availability
  - Finding 3: eManifest increased the availability of electronic pre-arrival commercial data for risk assessment, and put in place data quality controls.
- o IT (Information Technology) functionality
  - Finding 4: The eManifest initiative added IT (Information Technology) functionalities to enable risk assessment using pre-arrival data in the **Highway and Rail modes**.
- o IT (Information Technology) functionality limitations
  - Finding 5: <u>IT (Information Technology)</u> systems developed under the eManifest initiative lack end-user functionalities for risk assessment in **Marine and Air modes**.

# 4. Faster, more efficient commercial processing

 Finding 6: eManifest contributes to a faster, more efficient frontline commercial process in the Highway mode by reducing referrals to the front counter, and contributing to release recommendations.

## 5. Reduced burden on TCPs (Trade Chain Partner)

Finding 7: eManifest resulted in some benefits for <u>TCPs (Trade</u>
 <u>Chain Partner</u>), however additional time is needed for the reduced

burden benefit to be fully realized.

#### 6. Unintended benefits

 Finding 8: eManifest enables the Agency to recover lost revenue by formalizing the process of cargo tracing to ensure payment of overdue duties and taxes.

# **Detailed Findings**

#### Relevance

- Fragmented understanding
- Roles and responsibilities

**FINDING 1 (fragmented understanding):** There is a fragmented understanding of eManifest among Agency stakeholders which could be hindering collaboration and effectiveness.

There are a number of <u>CBSA</u> (<u>Canada Border Services Agency</u>) stakeholders with various roles related to eManifest:

- ISTB (Information, Science and Technology Branch): developed and continues to develop and enhance the IT (Information Technology) components of eManifest; provides system support to internal and external clients.
- CTB (Commercial and Trade Branch), Commercial Program
   Directorate (CPD): manages the policy and program-related
   components of eManifest as the benefit owner and the functional authority.
- CTB (Commercial and Trade Branch), TPPD (Transformation,
   Planning and Projects Directorate): manages funding for continued implementation and is responsible for the continued transition of eManifest from project to steady-state.

- IEB (Intelligence and Enforcement Branch), NTC (National Targeting Centre): use eManifest data for risk assessment and targeting functions.
- **Regions:** use eManifest data and the <u>NTC (National Targeting Centre)</u>'s data analysis for processing commercial goods entering Canada.

Through multiple stakeholder consultations and document review, the evaluation found discrepancies in stakeholders' understanding of what constitutes 'eManifest', as well as differing perceptions of its relevance, effectiveness, and efficiency. Communication gaps among eManifest stakeholders were also noted. These factors could be hindering the progress of eManifest as an operational and functional component of the commercial process, as stakeholders cannot agree on what is working well and what requires improvement.

# Depending on the stakeholder's role and interaction with eManifest, they can see it as:

- An ongoing project/initiative
- A project separate from <u>ACI (Advance Commercial Information)</u>
- A standalone IT (Information Technology) system or application; some equate it to the eManifest Portal, while others to the CPSP (Commercial Passage) or CTAS (Commercial Threat Assessment System) systems
- A tool for commercial processing
- A commercial pre-arrival dataset
- Data used for risk assessment in Highway and Rail modes only

# Various factors contributed to the fragmented understanding of eManifest in its steady state, including:

Continued development on eManifest systems, post-project closure

- End-user system workarounds, implemented due to system functionality gaps
- Lack of eManifest-specific financial codes to track expenditures
- Benefits Management practices not fully applied during project delivery (as per <u>FCMB (Finance and Corporate Management Branch)</u> stakeholders' perspectives)
- Lack of steady-state performance measurement as a functional component of the Commercial Program
- Uneven regional training or resourcing to maximize eManifest use

**FINDING 2 (Roles and responsibilities):** Roles and responsibilities for eManifest and for its results as a functional component of the Commercial Program are not clear.

# Unclear roles and responsibilities for eManifest may date to its transition from project to steady-state:

When the eManifest project closed in 2018-19, the Agency was initiating an organizational renewal, which would lead to the adoption of the <u>FMM</u> (<u>Functional Management Model</u>) in 2019. Responsibility for eManifest was transitioned shortly before major changes to the <u>CBSA</u> (<u>Canada Border Services Agency</u>)'s organizational structure, meaning that eManifest responsibilities were delegated to <u>CBSA</u> (<u>Canada Border Services Agency</u>) branches that no longer exist today.

The evaluation found no evidence that an updated governance structure for an operational, steady-state eManifest was developed following the adoption of the FMM (Functional Management Model) and the creation of CTB (Commercial and Trade Branch). As such, no single stakeholder within the CBSA (Canada Border Services Agency) is currently ensuring eManifest

implementation is maximized to improve the effectiveness and efficiency of the Agency's commercial process, including tracking and reporting on performance results.

# During the eManifest's project phase, roles and responsibilities were not always clear:

- There were initially three program sponsors for eManifest: the <u>VPs</u>
   (<u>Vice President</u>) of <u>CBSA</u> (<u>Canada Border Services Agency</u>)'s
   Enforcement, Operations, and Admissibility Branches. This shared
   responsibility diffused accountability.
- The project was re-structured in 2014, with the <u>VP (Vice President)</u> of Programs Branch identified as sponsor. This led to more clarity for decision-making, but led to stakeholders in Operations Branch feeling they were not adequately consulted on key decisions (e.g., to de-scope the project and defer key risk assessment functionality).
- Many stakeholders within the <u>CBSA (Canada Border Services Agency)</u>
   were unsure who to contact for information about the project.

Source: *eManifest Post Implementation Review – Lessons Learned* (Interis | BDO for the CBSA (Canada Border Services Agency), May 2018)

# Performance metrics do not capture the expected results of steadystate eManifest:

Following project closure, eManifest performance has not been monitored as a functional component of the Commercial Program. Steady-state <u>KPIs</u> (<u>Key Performance Indicator</u>) have not been developed.

Rather, eManifest performance continues to be assessed against the outcomes and <u>KPIs</u> (<u>Key Performance Indicator</u>) initially established for the eManifest Project (refer to <u>Appendix C</u>). For instance, existing metrics focus

on measuring results achieved in Highway and Rail modes only, while prearrival commercial data is used for risk assessment across all modes.

The Agency could leverage certain indicators from its *Departmental Results Framework* to assess eManifest's performance, including:

- Percentage of high-risk commercial goods targeted by the <u>NTC</u> (<u>National Targeting Centre</u>) that are examined at the border
- Percentage of random commercial examinations that produced a result
- Percentage of commercial examinations that result in non-compliance findings against a trader
- Percentage of penalties applied against traders for continued noncompliance

# Achievement of expected result 1: Improved risk assessment

- Data availability
- IT (Information Technology) functionality
- IT (Information Technology) functionality limitations
- Spotlight: Highway mode results

**FINDING 3 (Data availability):** eManifest increased the availability of electronic pre-arrival commercial data for risk assessment, and put in place data quality controls.

## **Increased data availability:**

One of the key achievements of eManifest was the introduction of legislation mandating carriers to submit electronic pre-arrival commercial information in the Highway and Rail modes, and FFs (Freight Forwarder) to submit the information in all modes. As a result, the volume of pre-arrival

data submitted electronically increased since eManifest's implementation. A breakdown by mode shows that by 2021-22, almost 100% of pre-arrival data was being submitted electronically in all modes:

Table 3: Breakdown by mode of pre-arrival data submitted electronically

Mode	2018-19*	2019-20	2020-21	2021-22**	2022-23
Air	99.6%	99.6%	99.8%	100.0%	100.0%
Marine	76.9%	78.2%	89.9%	99.6%	99.9%
Highway	98.9%	99.2%	99.5%	99.7%	99.8%
Rail	100.0%	100.0%	100.0%	100.0%	100.0%

<sup>\*</sup>eManifest project closure

Data on the number of pre-arrival submissions from 2018-19 to 2022-23 show an increase of electronic submissions and a decrease in paper submissions each year, resulting in 99.8% of pre-arrival data being submitted electronically through the eManifest service options by 2022-23:

Table 4: Rate of pre-arrival electronic submissions by fiscal year

Fiscal Year	Electronic	Paper	% Electronic
2018-19	17,101,637	258,244	98.5%
2019-20	15,672,114	194,480	98.8%
2020-21	16,384,618	124,456	99.2%

<sup>\*\*</sup>Electronic pre-arrival data mandated for carriers and <u>FFs (Freight Forwarder)</u> in all modes

Fiscal Year	Electronic	Paper	% Electronic
2021-22	19,634,169	62,237	99.7%
2022-23	20,561,693	43,802	99.8%

## Data quality controls enabled by the electronic environment:

Through the digitalization of the data submission process and the standardization of requirements for TCPs (Trade Chain Partner), eManifest introduced quality control features like automatic field validations, data cleansing (the process of correcting errors and inconsistencies in a dataset to improve data quality), and other IT (Information Technology) functions (i.e., automated identity and address resolution).

Additionally, eManifest introduced a legislated pre-arrival electronic reporting requirement, which enabled the <u>CBSA</u> (<u>Canada Border Services Agency</u>) to issue Administrative Monetary Penalties (AMPs) in cases when there are data quality concerns, including when pre-arrival information is submitted that is untrue, inaccurate or incomplete (<u>AMP</u> (<u>Administrative Monetary Penalty</u>) codes: C382, C387, C381).

In Highway mode, TCPs (Trade Chain Partner) are only required to submit electronic pre-arrival data one hour prior to the conveyance's arrival in Canada. The NTC (National Targeting Centre) highlighted this as a challenge, as it is impossible for them to analyze all of the data before the conveyance's arrival in Canada. So, while eManifest increased pre-arrival commercial data availability, it did not in all cases increase the data utility for risk assessment.

**FINDING 4 (IT (Information Technology) functionality):** The eManifest initiative added <u>IT (Information Technology)</u> functionalities to enable risk assessment using pre-arrival data in the Highway and Rail modes.

According to the 2016 eManifest <u>TB (Treasury Board)</u> Submission, the initiative was intended to develop multiple program and information technology components to ensure 100% of commercial goods in all modes could be risk-assessed in advance of their arrival to Canada. In order to accomplish this, the <u>CBSA (Canada Border Services Agency)</u> implemented a complex <u>IT (Information Technology)</u> architecture of more than 19 backend systems, end-user systems, and other <u>IT (Information Technology)</u> products over 20 releases since 2008. Functionalities were added to existing (legacy) <u>CBSA (Canada Border Services Agency)</u> systems, and new systems were developed.

## Legacy systems leveraged by the eManifest initiative:

- Customs Electronic Commerce Platform (CECP), includes:
  - Query and Data Viewing Utility (QDV)
  - Rogue Data Corporation Central (RDC Central)
  - Trading Partner Application (TPA)
- Accelerated Commercial Release Operations Support System (ACROSS) for data acquisition
- Tactical Information Targeting Analysis and Notification System (TITAN)
   Air
- TITAN (Tactical Information Targeting Analysis and Notification System)
   Marine

# New systems developed as part of the eManifest initiative:

- eManifest Portal
- Portal Account Administrator
- Master Data Management
- External Client Communications (ExCC), includes the External Client Notice Profile (ECNP)
- Commercial Document Entry Management (CDEM)

- Automated Risk Determination (ARD)
- CTAS (Commercial Threat Assessment System)
- Risk Assessment Program Maintenance (RAPM)
- CPSG (Commercial Passage)

**CTAS (Commercial Threat Assessment System)** and **CPSG (Commercial Passage)** are two of the new systems developed as part of eManifest, and both are now used by the NTC (National Targeting Centre) for pre-arrival risk assessment and targeting in Highway and Rail modes, to a limited extent. Prior to their development, risk assessment and targeting using pre-arrival electronic data in Highway and Rail modes was not being conducted by the NTC (National Targeting Centre).

FINDING 5 (IT (Information Technology) functionality limitations): IT (Information Technology) systems developed under the eManifest initiative lack end-user functionalities for risk assessment in Marine and Air modes.

The eManifest project was originally intended to enable pre-arrival commercial risk assessment and targeting in all modes. However, end-user interface functionality in the Air and Marine modes was deferred for completion and is yet to be delivered. Due to this deferral, the NTC (National Targeting Centre) conducts its pre-arrival commercial risk assessment in Air and Marine modes using TITAN (Tactical Information Targeting Analysis and Notification System), a legacy system. Though CTB (Commercial and Trade Branch) and ISTB (Information, Science and Technology Branch) stakeholders noted plans to develop these functionalities in CTAS (Commercial Threat Assessment System) and CPSG (Commercial Passage) (eManifest systems), a specific timeline for their completion has not been established. While TITAN (Tactical Information Targeting Analysis and Notification System) will continue to be supported until new functionalities are fully implemented, NTC (National Targeting

<u>Centre</u>) stakeholders raised concerns regarding <u>TITAN</u> (<u>Tactical Information</u> <u>Targeting Analysis and Notification System</u>)'s reliability, which are further discussed in the next page.[6]

The table below presents the functionalities across the pre-arrival data risk assessment continuum, summarizing all current capabilities made available through the newly developed eManifest IT (Information Technology) components. As demonstrated, eManifest succeeded in acquiring, storing, and applying automated risk assessment to pre-arrival data in all modes. However, eManifest supports the NTC (National Targeting Centre)'s risk assessment capacity in the Highway and Rail modes only. This capacity is currently being piloted in three Ports of Entry (POE). [7] Moreover, functionalities related to communicating referrals to the front-line and closing the loop on exam results are exclusively available for the Highway mode. The NTC (National Targeting Centre) also uses the internally developed Customers Referral Inspection Manager (CRIM) system, which relies on eManifest data stored within the Electronic Data Warehouse. Additional details on functionality are provided in Appendix C.

Table 5: Functionalities across the pre-arrival data risk asse

	Data Warehousing (storage)	Automated Risk Functionality (creation of lookouts, etc.)	NTC (National Targeting Centre) risk assessment of pre- arrival data	Us an (e. co to of
--	----------------------------------	---	--	-----------------------------------

	Pre-arrival data acquisition	Data Warehousing (storage)	Automated Risk Functionality (creation of lookouts, etc.)	NTC (National Targeting Centre) risk assessment of pre- arrival data	Us an (e. co to of
Air	Functionality available	Functionality available	Functionality available	End-user functionality not available in new systems, Agency relies on legacy option and	Enfur no wo are
Marine				workarounds (TITAN (Tactical Information Targeting Analysis and Notification System))	

	Pre-arrival data acquisition	Data Warehousing (storage)	Automated Risk Functionality (creation of lookouts, etc.)	NTC (National Targeting Centre) risk assessment of pre- arrival data	Us an (e. co to of
Highway				Functionality available in new systems but still being piloted	Fui ava ne
Rail					Fui pai ava ne

# Inefficient risk assessment resulting from limited functionalities

In the absence of <u>CTAS (Commercial Threat Assessment System)</u> and <u>CPSG (Commercial Passage)</u> end-user functionalities, <u>TITAN (Tactical Information Targeting Analysis and Notification System)</u> continues to be used by the <u>NTC (National Targeting Centre)</u> to risk assess for Marine and Air modes. As it is a legacy system, <u>TITAN (Tactical Information Targeting Analysis and Notification System)</u> was not designed to efficiently process eManifest data in the format received. Therefore, the <u>NTC (National Targeting Centre)</u> has implemented workaround solutions to conduct risk assessment and targeting activities, but noted that these workarounds are neither sustainable nor efficient. Examples of inefficiencies stakeholders provided include:

- Additional time and system querying is required to access information warehoused in the newly developed eManifest tools.
- Analytics workaround solutions have had to be developed to address reporting and automated risk assessment gaps.
- A new Commercial Risk Development (CRD) team was established by the NTC (National Targeting Centre) to modernize commercial targeting and address gaps left by currently undelivered eManifest components. This team is focused on the creation, testing and implementation of risk indicators, the operationalization of automated products to bring efficiencies to risk assessments, and the collection of business requirements for an effective commercial targeting system. The team is comprised of 18 individuals from six NTC (National Targeting Centre) units, who conduct this unfunded work in addition to their regular roles.
- Additional resources allocated for providing ongoing business requirements for <u>CTAS</u> (<u>Commercial Threat Assessment System</u>) functionality related to highway, air, and upcoming marine operations; such as the development of automated risk assessment rules.

Additionally, the NTC (National Targeting Centre) indicated that risk assessment in the Highway mode using CTAS (Commercial Threat Assessment System) and CPSG (Commercial Passage) functionalities are being piloted in three POEs (Port of Entry), with some emerging challenges.

[8]

## Inability to assess the effectiveness of risk assessment

Reporting functionality is limited across all systems, preventing the <u>CBSA</u> (<u>Canada Border Services Agency</u>) from 'closing the loop' on Air, Marine and Rail exam results (i.e., to indicate whether <u>NTC</u> (<u>National Targeting Centre</u>) referrals for examination resulted in seizures or not). This limits the

Agency's ability to determine the effectiveness of current risk assessment and targeting efforts within the Commercial Program as a whole, including eManifest as a component of the process.

# De-scoping and deferring elements without sufficient consultation

A post-implementation review of the eManifest project highlighted a lack of adequate stakeholder engagement in decisions related to the de-scoping of key capabilities from newly developed systems:

"The project was re-structured in 2014, with the Programs Branch <u>VP (Vice President)</u> identified as sponsor. This led to more clarity for decision making, however, **key stakeholders in Operations Branch feel they were not adequately consulted on key decisions, e.g., to de-scope the project and defer key risk assessment functionality."** 

Source: *eManifest Post Implementation Review – Lessons Learned* (Interis|BDO for the CBSA (Canada Border Services Agency), May 2018)

Due to deferral decisions, when the eManifest project closed in 2018-19, it delivered new systems that did not include functionality for risk assessment in Marine and Air modes.

# Project funding and key decisions about scope up to project closure:

2006-07: Preliminary Project Approval received from <u>TB (Treasury Board)</u> for \$414.8M

2007-08: Effective Project Approval (EPA) received from <u>TB (Treasury Board)</u> for \$415.1M

2015-16: Re-baselining, **de-scoping** of two initial capabilities and extension of project completion to September 2017

2017-18: Frozen allotment of \$72.1M (ongoing funds) released by <u>TB</u> (<u>Treasury Board</u>) until the end of the 2020-21

2018-19: **eManifest project closure** and release of funding allotment by <u>TB</u> (<u>Treasury Board</u>) for an additional 3-year period (until end of 2023-24)

Similar functionality gaps were previously identified within the Agency. For instance, in 2022 a list of needed eManifest deliverables was produced in response to identified gaps; however, end-user functionality gaps have yet to be fully addressed.

Stakeholder perceptions collected for this evaluation and the <u>CTB</u> (<u>Commercial and Trade Branch</u>)'s substantive funding assessment highlighted the need to continue to develop functionality for risk assessment in the Air and Marine modes.

Spotlight: Positive initial risk assessment results in Highway mode

As previously mentioned, the implementation of eManifest addressed a significant gap in data acquisition and risk assessment capabilities for the Highway and Rail modes. While the development of <a href="CTAS">CTAS</a> (Commercial Threat Assessment System), the system designed for <a href="NTC">NTC</a> (National Targeting Centre) data risk assessment, is still underway across all modes, it is most advanced and functional for Highway mode capabilities.

The evaluation analyzed <u>NTC (National Targeting Centre)</u> data for the Highway mode over the past four years to identify any trends. However, the following factors limited the evaluation's ability to draw conclusions:

• Since the <u>NTC (National Targeting Centre)</u> did not conduct risk assessment or targeting using pre-arrival electronic data in the Highway mode before eManifest, assessing the improvement of enforcement results against the previous scenario (risk assessment and enforcement done at the regional level) is not possible, due to variations in the process and data.

- The submission of pre-arrival electronic data became mandatory for <u>FFs (Freight Forwarder)</u> in December 2021, providing less than two years of data for the evaluation to observe trends.
- The pandemic years have had an impact on the Agency's commercial operations, resource allocation, and resulting trends.

The NTC (National Targeting Centre) shared some business requirements that are not currently being met by CTAS (Commercial Threat Assessment System) in the Highway mode, for which inefficient workarounds are applied, including:

- Inability to adequately conduct searches using the available parameters
- Distribution (workload management) tool does not meet business needs and requirements
- Limited reporting features to allow for performance assessment

For more information see Appendix C.

Rail Targeting is a new activity under the <u>NTC (National Targeting Centre)</u> that is currently being piloted on a small scale before implementation, and there is not enough data within the evaluation's scope to analyze the impact of eManifest implementation in this mode.

The data from 2019-20 to 2022-23 shows that the resultant rate has improved over time in the Highway mode. However, given the limitations to data analysis mentioned on the previous page, it is too early to conclude this increase is due to the increased availability of electronic pre-arrival data.

The <u>NTC (National Targeting Centre)</u>'s ability to conduct risk assessment and targeting in the Highway mode since the implementation of eManifest is a benefit for the Agency. However, due to previously highlighted factors,

further time is required to fully evaluate the scale of this success.

Moreover, it will be important to compare NTC (National Targeting Centre) results from different modes to understand how the availability of IT (Information Technology) functionality in newly-developed systems affects the Agency's enforcement capabilities.

The <u>NTC (National Targeting Centre)</u>'s resultant rate in the Highway mode, compared to volumes of electronic pre-arrival data over time.[9]

## Figure 1: NTC (National Targeting Centre)'s Resultant Rate, Compared to Volumes of Electronic Pre-arrival Data Over Time



#### **▼** Image description

\*Resultant rate is calculated using data from the <a href="NTC">NTC (National Targeting</a>
<a href="Centre">Centre</a>)'s Highway Targeting Reports, and is calculated as 'Direct results' over 'Targets issued'.

Fiscal Year	Highway electronic pre-arrival data	Resultant rate
2019-20	Under 14 million	1.34%
2020-21	Over 14 million	3.06%
2021-22	Approximately 16 million	3.10%
2022-23	Over 16 million	3.65%

## Achievement of expected result 2: Faster, more efficient commercial processing

**FINDING 6:** eManifest contributes to a faster, more efficient frontline commercial process in the Highway mode by reducing referrals to the front counter, and contributing to release recommendations.

#### Fewer referrals to front counter in Highway mode

Prior to the eManifest initiative: Commercial cargo arriving at the border underwent processing at the Primary Inspection Line (PIL) with a portion of shipments redirected to the front counter to complete their primary processing. This was typically due to certain <a href="POEs">POEs</a> (Port of Entry) being limited to scan only five Pre-Arrival Review System (PARS) codes at the <a href="PIL">PIL</a> (Primary Inspection Line), resulting in referrals made to the front counter once that limit was reached.

**Following the implementation of eManifest:** Front-line staff process the majority of commercial shipments directly at the <u>PIL (Primary Inspection Line)</u>, with an average 9% of shipments referred to the front counter. The table below shows a decrease over time of Highway conveyances referred from the <u>PIL (Primary Inspection Line)</u> to the front counter. This results in gained process efficiency for the Agency as fewer trucks need to wait in line for processing at the front counter.

Table 6: Percentage of total Highway conveyances referred to the front counter from the <u>PIL (Primary Inspection Line)</u>\* by fiscal year

Fiscal year	Percentage of total Highway conveyances referred to the front counter from the <u>PIL (Primary Inspection Line)</u> *
2018-19	13%
2019-20	10%
2020-21	8%

Fiscal year	Percentage of total Highway conveyances referred to the front counter from the <u>PIL (Primary Inspection Line)</u> *
2021-22	7%
2022-23	8%

<sup>\*</sup> Counts for service options SO976

**Regional respondents** generally felt eManifest implementation contributed to process efficiencies. Many respondents highlighted its role in streamlining cargo clearance, reducing border wait times, and enhancing customs procedure management via better tracking.

However, a few respondents also highlighted some challenges to fully realizing the intended efficiencies. For example, regional respondents indicated eManifest resulted in increased TCP (Trade Chain Partner) data entry errors, requiring more time from the front-line to manually fix them. They also felt that continued reliance on the legacy ACROSS (Accelerated Commercial Release Operations Support System) system is inefficient.

#### **Contributing to release recommendations**

Between 2018-19 and 2022-23, when an importer submitted a release request electronically at least one hour before arrival at the <u>POE (Port of Entry)</u>, a release recommendation was available upon arrival in 99.4% of cases. This is another way in which eManifest has streamlined commercial processing in the Highway mode. eManifest provides electronic pre-arrival data that can be analyzed and used to make release recommendations, before a shipment arrives in Canada.[10]

The evaluation looked at four scenarios to assess the potential impact of eManifest on the time and number of steps needed to process commercial goods in the highway mode. The scenarios presented in the table below

estimate the total time and number of steps required to process commercial goods with eManifest and prior to eManifest implementation (the counterfactual). The estimates in each scenario are based on the real experiences of Southern Ontario Region's (SOR) frontline staff who worked on commercial processing before and after eManifest implementation.[11]

As illustrated in the table below, in the three scenarios in which a recommended release is on file when the conveyances arrive at the border, eManifest facilitates the release of goods into Canada by reducing the number of steps and time needed for processing. In the fourth scenario, in which a recommended release was not on file, eManifest had no impact on the number of steps or time needed for processing.

Table 7: Time savings post-eManifest by Highway mode commercial shipment scenario

Highway mode	Pre-eManifest (Counterfactual)		Post eManifest		Time savings	
commercial shipment scenarios	# of steps	*Time	# of steps	*Time	post- eManifest	
1. A recommended release is on file for nine non-consolidated shipments	18	11 min	3	1 min	10.15 min	
2. Six shipments are submitted within the same cargo, five of which have a recommended release on file and one which does not	16	20 min	2	2 min	17.45 min	

Highway mode	Pre-eManifest (Counterfactual)		Post eManifest		Time savings	
commercial shipment scenarios	# of steps	*Time	# of steps	*Time	post- eManifest	
3. A consolidated cargo in which one shipment is released at the point of arrival (recommended release was on file) and another is released later at an inland destination	6	173.30 min	2	1 min	172.30 min (2.9 hours)	
4. A shipment arrives in Canada without a recommended release on file and is referred to primary examination (front counter)	3	44 min	3	44 min	None	

<sup>\*</sup>Times were provided by <u>SOR (Southern Ontario Region)</u>'s frontline staff based on operational experience and vetted by the Transporter and Cargo Control Programs Unit, <u>CTB (Commercial and Trade Branch)</u>.

## Achievement of expected result 3: Reduced administrative burden on TCPs (Trade Chain Partner)

**FINDING 7:** eManifest resulted in some benefits for <u>TCPs (Trade Chain Partner)</u>, however additional time is needed for the reduced burden benefit to be fully realized.

### Data harmonization with international requirements

In 2019, the eManifest initiative successfully harmonized the <u>CBSA (Canada Border Services Agency)</u>'s data requirements with World Customs
Organization (WCO) and the United States (US) Customs and Border
Protection requirements. Data harmonization reduces the administrative burden for <u>TCPs (Trade Chain Partner)</u> by allowing them to utilize electronic processes and systems already implemented to comply with <u>US (United States)</u> requirements.

The benefit of reduced administrative burden on businesses was driven by the value proposition to "Harmonize data reporting requirements and minimize costs for external clients who have invested in systems that comply with the <u>US (United States) ACE (Automated Commercial Environment)</u> project." By eManifest project closure (Benefit Realization Report, Gate 7, 2019) this value was deemed fully realized.

Counterfactual: Had data harmonization not happened, <u>TCPs (Trade Chain Partner)</u> would likely need to provide one set of data for commercial shipments to the <u>US (United States)</u> and a second set of data for shipments to Canada.

#### **Increased communication with TCPs (Trade Chain Partner)**

Communication has increased due to eManifest functionality which enables the Agency to proactively provide electronic updates and feedback to <u>TCPs</u> (<u>Trade Chain Partner</u>) at various stages of the commercial process, in all modes.

By increasing proactive communication with <u>TCPs (Trade Chain Partner)</u>, eManifest implementation reduces the number of times <u>TCPs (Trade Chain Partner)</u> must reach out to the <u>CBSA (Canada Border Services Agency)</u> to

request status updates, thus further reducing the time required for <u>TCPs</u> (<u>Trade Chain Partner</u>) to track their shipments through the <u>CBSA (Canada Border Services Agency)</u>'s commercial process.

Analysis on the number of electronic notices issued to <u>TCPs (Trade Chain Partner)</u> over time shows that they are increasingly receiving proactive notices from the <u>CBSA (Canada Border Services Agency)</u>: [12]

## Figure 2: Number of <u>EDI (Electronic Data Interchange)</u> Applications and Notices Over Time

Figure 0	2
----------	---

▼ Image de:	scription
-------------	-----------

Fiscal Year	Number of EDI applications	Number of notices
2019-20	1,802	200,146,556
2020-21	2,073	210,351,987
2021-22	2,598	248,381,199
2022-23	2,759	257,107,787

#### Impacts on TCPs (Trade Chain Partner) during the transition period:

The shift from a paper-based commercial process to an electronic one, and the introduction of new mandatory pre-arrival commercial reporting requirements, created an initial administrative demand on TCPs (Trade Chain Partner) adapting to the new process. In 2021, when new requirements came into effect, the number of calls by TCPs (Trade Chain Partner) to the CBSA (Canada Border Services Agency)'s centralized 24 hour helpline increased by 200% (see table).[13]

During this transition period, the <u>CBSA (Canada Border Services Agency)</u> implemented temporary measures to lessen the burden on <u>TCPs (Trade Chain Partner)</u>, including increasing outreach and education efforts. Post-2021, the number of calls to the <u>CBSA (Canada Border Services Agency)</u> helpline decreased, suggesting that <u>TCPs (Trade Chain Partner)</u> required less assistance after the initial transition.

However, it is important to note that there is not enough helpline data available at this time to show a continued trend, and data does not include calls by TCPs (Trade Chain Partner) directly to the Regions.

Table 8: Number of helpline tickets by Calendar Year

Calendar Year	Number of helpline tickets (TCPs (Trade Chain Partner) contacting CBSA (Canada Border Services Agency)'s support)
2020*	6,313
2021	18,960
2022	13,708
2023**	11,420

<sup>\*</sup>Estimated based on 4,735 calls received from April to December 2020

**Limitation:** The evaluation did not survey <u>TCPs (Trade Chain Partner)</u> to collect their perspectives regarding the impact of eManifest implementation on their processes.

#### Achievement of expected result 4: Unintended benefits

<sup>\*\*</sup>Projected based on 5,710 calls received from January to July 2023

**FINDING 8:** eManifest enables the Agency to recover lost revenue by formalizing the process of cargo tracing to ensure payment of overdue duties and taxes.

"Cargo tracing" refers to the process of tracking and verifying the movement of shipments to ensure that all goods entering the country are accounted for. Cargo tracing allows for the identification of duties and taxes owed on goods being released.

"Lost revenue" refers to unpaid duties and taxes on goods that have not been traced.

An unintended benefit of eManifest implementation is a reduction in lost revenue on commercial shipments due to incomplete tracing. Prior to eManifest implementation, cargo was verified at its port of entry through reviewing samples of the paper cargo control documents received. Samples represented: 10% of large airport shipments, 50% of small airport shipments, and 20% for other cargo.

The introduction of eManifest transformed the process, as the availability of electronic pre-arrival commercial data allowed for:

- The elimination of the sampling process. While there are some exemptions, most cargo is fully traced.
- An overdue cargo tracing procedure that more effectively verifies whether duties and taxes were paid on cargo entering Canada.

From August 2020 to December 2023, the <u>CBSA (Canada Border Services Agency)</u> traced an average of **2,122 monthly outstanding overdue releases** to ensure payments were made. Stakeholders stated that eManifest played a critical role in recovering lost revenue from these accounts.

Note: The evaluation did not have the data to quantify the value of the revenue recovered during this time period.

## **CONCLUSION** – eManifest continues to be relevant and useful to the Agency

#### What did the evaluation find?

The findings of this evaluation highlight the importance of the eManifest initiative to the <u>CBSA (Canada Border Services Agency)</u>'s commercial process. Through the eManifest initiative, the Agency conducted legislative and process changes required to digitalize the commercial process. The initiative also resulted in the development of a complex <u>IT (Information Technology)</u> architecture, including upgrades to back-end systems, development of new end-user systems, and production of other <u>IT (Information Technology)</u> products which have enabled risk assessment using electronic pre-arrival commercial data. These changes are showing some positive initial results.

eManifest implementation filled a risk assessment functionality gap in the Highway mode; however, additional efforts are necessary to continue developing functionality for Air and Marine modes. Similar gaps were identified previously but have not been fully addressed. While the intention to implement these functionalities as part of eManifest stabilisation was raised during the evaluation, there is currently no set date for these upgrades. Without a commitment to timelines in which to address these gaps, there is a risk the upgrades continue to be delayed.

Continuing to rely on aging, legacy systems like <u>ACROSS (Accelerated</u>

<u>Commercial Release Operations Support System)</u> and <u>TITAN (Tactical Information Targeting Analysis and Notification System)</u>, is no longer a sustainable option for the Agency due to their inefficiency when processing

high volumes of electronic commercial information. At present, there are no other active initiatives aimed at addressing these gaps. Therefore, eManifest stands as the path forward to enhance the Agency's risk assessment capacity in all modes and to advance Canadian security priorities.

#### What needs to change?

The findings support the need for continued strategic investment in eManifest to address existing <u>IT (Information Technology)</u> functionality gaps.

Performance measurement and clear accountabilities are also needed to ensure positive results in all modes.

### **Appendix B: Endnotes**

- 1. The eManifest initiative continued from the <u>ACI (Advance Commercial Information)</u> and is sometimes referred to by some Agency stakeholders as <u>ACI (Advance Commercial Information)</u> Phase III. The eManifest initiative leveraged the work completed by the <u>ACI (Advance Commercial Information)</u> initiative and formalized the reporting requirement in all modes.
- Prior to eManifest, Highway processing was in paper format, but rail
  was done through an old standard of <u>EDI (Electronic Data</u>
  <u>Interchange)</u>. eManifest harmonized and standardized the data
  elements among modes.
- 3. Internal government document.
- 4. Costing and Analytical Model (CAM) tool used by <u>FCMB (Finance and Corporate Management Branch)</u> to code expenditures to programs. In 2022-23, <u>FCMB (Finance and Corporate Management Branch)</u> added

- dedicated eManifest <u>CAM (Costing and Analytical Model)</u> functions to determine if retaining these functions would not result in significant discrepancies between expected and actual spending. Since this data is limited and experimental, and the evaluation opted to not use it for analysis. Due to the limited and experimental nature of this data, the evaluation chose not to use it for analysis.
- 5. 'Closing the loop' means being able to indicate the exam results resultant or non-resultant.
- 6. While <u>TITAN</u> (<u>Tactical Information Targeting Analysis and Notification System</u>) will continue to be supported, <u>NTC</u> (<u>National Targeting Centre</u>) stakeholders shared their continued concern with <u>IT</u> (<u>Information Technology</u>) functionality to support risk assessment, including:
  - System capacity to view House Bills in <u>TITAN (Tactical Information</u> Targeting Analysis and Notification System) beyond 2012.
  - No updates to the system risk indicators in <u>TITAN (Tactical</u>
     <u>Information Targeting Analysis and Notification System)</u> (the <u>NTC</u>
     (<u>National Targeting Centre</u>) ceased updates to risk indicators while working on the eManifest project).
  - User review and decision functionality, which is only partially available in new systems for Rail.
  - User review and decisions for highway, which is available but only currently being piloted to 3 POEs (Port of Entry).
  - Limited reporting capabilities.
- 7. Even though user review and decision functionality is partially available in new eManifest systems for the Rail mode, this has not yet been operationalized. A small scale Rail pilot began on February 5, 2024. Users are able to view <u>ACI (Advance Commercial Information)</u> and make referral decisions through <u>CTAS (Commercial Threat Assessment</u>

- <u>System</u>), but communicating the decisions for referral or negation to <u>CPSG (Commercial Passage)</u> and closing the loop cannot be made.
- 8. For example, according to the <u>NTC (National Targeting Centre)</u>, <u>CTAS (Commercial Threat Assessment System)</u> in the Highway mode lacks the ability for coding specific risk indicators and the ability to complete comprehensive reporting.
- 9. Commercial volumes in this analysis refer to the total electronic eManifest service options data.
- 10. Not all releases are submitted prior to arrival. Stakeholders (<u>CTB</u> (<u>Commercial and Trade Branch</u>) and <u>NTC (National Targeting Centre</u>)) indicated that approximately between 20% to 50% of release requests are submitted before arrival depending on the mode. Release requests are submitted by importers and are not mandated **pre-arrival** by law like reporting requirements (submitted by carriers and <u>FFs (Freight Forwarder</u>)).
- 11. Scenarios show situations in the Highway in <u>SOR (Southern Ontario Region)</u> only. Therefore, they do not represent eManifest-related commercial processing in all scenarios, locations, modes, or regions. For example, if there is a keying error on any submission, it will hold up the release of the cargo. As a result, the time for some scenarios could vary from several minutes to hours, to days. This depends on knowledge of the carrier and type of access on third party portal. Often times, carriers submit new <u>ACI (Advance Commercial Information)</u> or cargo document causing the originals to end up on a Primary worklist or overdue cargo list, causing additional resources to trace it. This can involve multiple Border Services Officers (BSO) and did not occur pre-eManifest.
- 12. Electronic notices sent to <u>TCPs</u> (<u>Trade Chain Partner</u>) now include: Arrive Notices; Authorized To Deliver Notices; <u>CBSA</u> (<u>Canada Border</u>

- <u>Services Agency</u>)-Hold Notice; Completeness Notices; Deconsolidation Notices; Document Not on File Notices; Release Notices; and Reported Notices.
- 13. This data may include helpline tickets for other applications like the Single Window Initiative (SWI) and are not exclusively about eManifest-related issues.

# Appendix C: Supplementary eManifest Information

#### **Key definitions and information:**

- Advance Commercial Information Program (ACI): A set of
  prescribed electronically transmitted pre-arrival cargo and conveyance
  data elements sent to the <u>CBSA (Canada Border Services Agency)</u>
  within prescribed timeframes, for the purpose of facilitating the
  process of commercial goods and risk assessing threats to health,
  safety and security prior to the arrival of the shipment in Canada.
- Administrative Monetary Penalties System (AMPs): A system whereby the <u>CBSA (Canada Border Services Agency)</u> issues monetary penalties to commercial clients for violating the <u>CBSA (Canada Border Services Agency)</u>'s trade and border legislation. The purpose of <u>AMPs (Administrative Monetary Penalties)</u> is to provide the Agency with a means to deter non-compliance by its clients and to ensure a consistent application of legislation and border regulation.
- **Cargo:** A term used to describe a collection of goods or shipment. It consists of a grouping of related goods. The cargo is detailed on the bill of lading, waybill, the manifest and/or a cargo control document.
- **Electronic Data Interchange (EDI):** A method to electronically transmit import or export data and accounting documents to the <u>CBSA</u>

(Canada Border Services Agency).

- **eManifest Portal:** A secure data transmission option developed by the <u>CBSA (Canada Border Services Agency)</u> that allows the trade community to electronically transmit their pre-arrival data through the Internet.
- **First Port of Arrival (FPOA):** The port of entry in Canada where a commercial conveyance first arrives from a foreign country.
- House Bill: A cargo control document for shipments that have, or will be, deconsolidated from another cargo control document.

#### • Shipment:

- a. A shipment for which a carrier is responsible is one that consists of:
  - i. a specified good or collection of specified goods that is listed in a single bill of lading, waybill or other similar document that is issued by the carrier and that relates to the carriage of those goods or
  - ii. a specified good that is an empty cargo container that is not for sale that is transported by the carrier but that is not listed in a bill of lading, waybill or other similar document
- b. A shipment for which an <u>FF (Freight Forwarder)</u> is responsible is one that consists of a specified good or collection of specified goods that is listed in a single bill of lading, waybill or other similar document that is issued by the <u>FF (Freight Forwarder)</u> and that relates to the carriage of those goods
- Trade Chain Partner (TCP): An enterprise that is directly involved in the importation or cross-border movement of goods imported or transported by an importer. In the context of eManifest, two types of <u>TCPs (Trade Chain Partner)</u> are implicated:

Carrier: A person who, in accordance with the *Transportation of Goods Regulation*, is authorized to transport goods or to cause goods to be transported.

Carriers were mandated to provide <u>ACI (Advanced Commercial</u> Information) to the <u>CBSA (Canada Border Services Agency)</u> as follows:

**Table 9: Carriers' Advanced Commercial Information** 

Mode	Marine	Air	Highway	Rail
Date mandated	April 2004	December 2005	April/May 2	2015
Timeframes for submitting advance information to the CBSA (Canada Border Services Agency)	24 to 96 hours prior to arrival or loading depending on type and origin of goods	4 hours prior to arrival if the flight is less than 4 hours long	1 hour prior to arrival	2 hours prior to arrival

**Freight Forwarder:** A person who, on behalf of one or more owners, importers, shippers or consignees of goods, causes specified goods to be transported by one or more carriers. Freight Forwarders submit **house bills**.

FFs (Freight Forwarder) were mandated to provide ACI (Advanced Commercial Information) to the CBSA (Canada Border Services Agency) as follows:

**Table 10: Freight Forwarders' Advanced Commercial Information** 

Mode	Marine	Air	Highway	Rail
------	--------	-----	---------	------

Mode	Marine	Air	Highway	Rail
Date mandated	December 2021			
Requirement	24 hours prior to loading or arrival depending on type and origin of goods	4 hours prior to arrival or at time of departure if the flight is less than 4 hours long	1 hour prior to arrival	2 hours prior to arrival

### Table 11: Delivered, partially delivered, and future enhancemen

				Risk assessment at the <u>NTC</u>
	<b>Pre-arrival</b>		Automated	(National
Mode/	data	Data	Risk	Targeting
Capability	acquisition	warehousing	Functionality	Centre)

Mode/ Capability	Pre-arrival data acquisition	Data warehousing	Automated Risk Functionality	Risk assessment at the NTC (National Targeting Centre)
Highway	Functionality available in all modes. Carriers, FFs (Freight Forwarder), and Importers submit pre- arrival and release data through EDI (Electronic Data Interchange) and the Portal.	Functionality available. Storage in the Enterprise Data Warehouse (EDW) which includes data analytics capabilities leveraged by the NTC (National Targeting Centre) for workarounds (e.g., CRIM	Data cleansing and standardization, creation of lookouts, creation of risk rules, eliminate low risk (ELR), and the maintenance of risk metadata are available for all four modes.	Functionality available through CTAS (Commercia Threat Assessment System) (currently being piloted in three POEs (Port of Entry)).
	Most of data acquisition (e.g., validation) is done in ACROSS (Accelerated Commercial Release	(Customs Referral Inspection Manager)).  EDW (Enterprise Data Warehouse) is currently		

Pre-arrival data acquisition	Data warehousing	Automated Risk Functionality	Risk assessment at the NTC (National Targeting Centre)
Operations Support System) and is not part of eManifest scope.	populated by data from eManifest operational data sources CDEM (Commercial Document Entity Management), ARD (Automated Risk Determination) and Master Data Management (MDM), ACROSS (Accelerated Commercial Release Operations Support System) and		runctionality not available through CTAS (Commercia Threat Assessment System); NTC (National Targeting Centre) still uses TITAN (Tactical Information Targeting Analysis and Notification System) (legacy system).
	data acquisition Operations Support System) and is not part of eManifest	data acquisition  Operations Support System) and is not part of eManifest scope.  CDEM (Commercial Document Entity Management), ARD (Automated Risk Determination) and Master Data Management (MDM), ACROSS (Accelerated Commercial Release Operations	data acquisition  Operations Support System) and is not part of eManifest scope.  CDEM (Commercial Document Entity Management), ARD (Automated Risk Determination) and Master Data Management (MDM), ACROSS (Accelerated Commercial Release Operations Support

TITAN (Tactical

Information

0/20, 10.40 I W		Evaluation	- Civiainicst	
Mode/ Capability	Pre-arrival data acquisition	Data warehousing	Automated Risk Functionality	Risk assessment at the NTC (National Targeting Centre)
Marine		Targeting Analysis and Notification System) are not eManifest applications.		runctionality not available through CTAS (Commercia Threat Assessment System); NTC (National Targeting Centre) still uses TITAN (Tactical Information Targeting Analysis and Notification System).

0/25, TU:48 PIVI		Evaluation	or emanifest	
Mode/ Capability	Pre-arrival data acquisition	Data warehousing	Automated Risk Functionality	Risk assessment at the NTC (National Targeting Centre)
Rail				Functionality available through CTAS (Commercia Threat Assessment System)

The NTC (National Targeting Centre)'s Highway Targeting Unit's perspective shared with the evaluation on current CTAS (Commercial Threat Assessment System) limitations in the Highway mode

### Inability to adequately conduct searches using the available

**parameters:** Search criteria is limited and often times out, preventing Targeting Officers (TO) from being able to identify shipments of risk based on search preferences and combination of data elements. This prevents TOs (Targeting Officer) from being able to perform adequate analysis of incoming shipments. TOs (Targeting Officer) have a minimum of 1 hour to conduct assessment of commercial highway cargo prior to its arrival, and any delays in searching data impede our abilities to perform comprehensive reviews pre-arrival.

"To mitigate this, the NTC (National Targeting Centre) relies heavily on automated products produced by our Targeting Data Analytics (TDA) team to provide us with a "Highway Summary," an Excel-based document populated every 15 minutes that provides eManifest ACI (Advance Commercial Information) and release information relating to every unarrived commercial highway shipment submitted to the CBSA (Canada Border Services Agency) with an Estimated Date and Time of Arrival (EDTA) of -24 / + 5 hours to current time. This Excel document can be filtered and sorted based on specific data points, risk indicators and TO (Targeting Officer) preference to identify shipments of risk for assessment and referral."

"Reporting features: Are very basic and lack the necessary information to complete reporting suites for unit performance and statistics. Supervisor functions are also limited to run reports for <a href="TO">TO</a> (Targeting Officer)
performance including performance management agreement reviews. We have been told on multiple occasions that <a href="NTC">NTC</a> (National Targeting Centre) had been consulted in the past regarding reporting requirements and <a href="CTAS">CTAS</a> (Commercial Threat Assessment System) supervisor functions were built to accommodate those previous requests and were "built as intended." While this is true, our needs for reporting have changed significantly from the

time that we were initially consulted and our requests for enhanced reporting features continue to be met with resistance. Requirements for reporting suites to accurately reflect unit performance and efficacy should include the following (based on current manual reporting procedures):

- Total number of targets issued
- Total number of targets intercepted and not intercepted, as well as percentages
- Total number of targets examined and not examined, as well as percentages
- Number of direct and indirect results, as well as percentages
- Percentage of Total Results"

Inability to refer on Integrated Import Declaration (IID): <u>CTAS</u>
(<u>Commercial Threat Assessment System</u>) referral functionality will only allow referrals on the Cargo Control Number (CCN) or Conveyance Reference Number (CRN) entities.

Current ACROSS (Accelerated Commercial Release Operations Support System) functions allow for the referral on any submitted document (CCN (Cargo Control Number), CRN (Conveyance Reference Number), IID (Integrated Import Declaration) or eHB (Electronic House Bill)), however referral on IID (Integrated Import Declaration) is not permitted in CTAS (Commercial Threat Assessment System).
 Consolidated or Less than Load (LTL) loads require referrals on the IID (Integrated Import Declaration) when available, as requested by the POEs (Port of Entry), as referring on the CCN (Cargo Control Number) adds unnecessary steps for BSOs (Border Service Officer) and delays to release at the FPOA (First Port of Arrival).

Distribution (workload management) tool does not meet business needs/requirements:

- The NTC (National Targeting Centre) requires a distribution tool within CTAS (Commercial Threat Assessment System) to perform like the current distribution tool CRIM (Customs Referral Inspection Manager) shipments are queued by priority (i.e., agency mandate of national security and public safety, contraband concern and EDTA (Estimated Date and Time of Arrival)) for assessment based on automated risk rules and scenarios deemed to be of high risk and presented to the TO (Targeting Officer) for review, however should the conveyance arrive prior to decisions made, the conveyance will be allowed to proceed past FPOA (First Port of Arrival) and will be removed from the distribution tool once logged 'arrived' by the POE (Port of Entry).
- Inability to code relationship based risk indicators for identification of high risk shipments. 'Scorecard' functionality in <a href="CTAS">CTAS</a> (Commercial Threat Assessment System) is currently very limited and will only provide matches to basic indicators (e.g., ICES (Integrated Customs Enforcement System) Lookouts, Targeting Commercial Intelligence (TCI), RAPM (Risk Assessment Program Maintenance) Lookouts, previous ICES (Integrated Customs Enforcement System) enforcement, shipment to residence), but will not allow matching to more complex indicators based on relationship values (i.e., irregular port volume where a carrier is deviated from standard practices by crossing at a port where fewer than 5% of their crossings have occurred). This inability to code these indicators into <a href="CTAS">CTAS</a> (Commercial Threat Assessment System) force reliance on other tools such as the TDA (Targeting Data Analytics) Highway Summary to provide TOs (Targeting Officer) with data to filter for risk assessment purposes.
- To work around this, the <u>NTC (National Targeting Centre)</u> relies on the <u>TDA (Targeting Data Analytics)</u> Highway Summary to present risk associated to commercial highway shipments. The excel document

displays risk indicator "hits" to inform <u>TOs (Targeting Officer)</u> of the instance of known risk associated to a shipment. Risk indicators have been determined based on analysis of previous enforcement actions and consultation with <u>TCI (Targeting Commercial Intelligence)</u> and regional intelligence and operation staff. Recently, a <u>CRD (Commercial Risk Development)</u> team was created to further develop risk indicators and implement a scoring system within the Highway Summary which would improve efficiencies in identifying potential high risk shipments using a colour coding system.

eManifest / IT (Information Technology) support: Although we were advised that support is 24/7, support for technical issues or outages is not always immediate. Additionally, changes/enhancements may be requested but development and implementation require coding, testing and production releases which take considerable time. If an issue is identified, targeting operations requires timely resolution for efficiency within the unit. As commercial risk evolves, high risk indicators change and we require a way to adapt and refine coded risk indicators to identify high risk shipments in real time. From our understanding, CTAS (Commercial Threat Assessment System) will not be able to do this.

#### Benefit Realization Plan KPIs (Key Performance Indicator)

The Benefit Realization Plan (BRP) lists the following <u>KPIs (Key Performance Indicator)</u> for the eManifest initiative:

## <u>KPIs (Key Performance Indicator)</u> for which the Agency continues to report on:

 Highway conveyances referred from <u>PIL (Primary Inspection Line)</u> to front counter as a proportion of all conveyances that arrive at <u>PIL</u> (<u>Primary Inspection Line</u>)

- Ratio of <u>PIL (Primary Inspection Line)</u>-officer referrals to secondary which were resultant: all <u>PIL (Primary Inspection Line)</u>-officer referrals to secondary
- Average processing time submission to acceptance
- Ratio of rail and highway shipments and/or conveyances referred to secondary, which were resultant
- Time take to "random" (RA) from data acceptance to <u>RA (random)</u> decision

#### KPIs (Key Performance Indicator) deemed "met" - reporting ceased:

- % of highway shipments received electronically prior to arrival at border
- # of highway carriers involved in eManifest
- % of rail shipments received electronically prior to arrival at border
- # of <u>FFs (Freight Forwarder)</u> involved in eManifest; % of <u>FF (Freight</u> Forwarder)
- % of Agency based paper trade documents;
- Data refresh (how frequently)
- Length of time data kept for analytical purposes
- Risk indicators deployed with eManifest in total
- <u>CBSA (Canada Border Services Agency</u>) is operating with the same standards in <u>EDI (Electronic Data Interchange</u>) as <u>WCO (World Customs Organization)</u> (eManifest context)

# Appendix D: Evaluation Methodology and Limitations

Lines of evidence, data, and limitations

Lines of evidence (methods)

The evaluation used multiple lines of evidence, including:

- Regional questionnaire: 40 responses (including some group responses) completed by various regional staff (frontline and regional program area), were received from all Regions, including different modes.
- **HQ (Headquarters) consultations:** Multiple engagements throughout the evaluation period with various internal stakeholder in <u>HQ</u> (<u>Headquarters</u>).
- Review of Financial Data: <u>CAM (Costing and Analytical Model)</u> and Corporate Administrative System (CAS) data provided by <u>FCMB</u> (<u>Finance and Corporate Management Branch</u>), using commercial processing codes.

#### • Review of Operational Data:

- Statistics on <u>EDI (Electronic Data Interchange)</u> applications, system outages, and <u>ISTB (Information, Science and Technology Branch)</u>'s external client support helpline
- Number and substance of eManifest notices that the <u>CBSA</u> (Canada Border Services Agency) sent to <u>TCPs</u> (<u>Trade Chain</u> Partner)
- Volumes of pre-arrival cargo documents & <u>eHBs (Electronic House Bill)</u> submitted through eManifest Portal or <u>EDI (Electronic Data Interchange)</u> from all requests received (paper-based)
- Number of referrals, exams and exam results by region and mode
- Number of <u>AMPs (Administrative Monetary Penalties)</u> issued related to eManifest by type
- Recovered revenue data from Ambassador Bridge, <u>SOR (Southern</u>
   <u>Ontario Region)</u>
- NTC (National Targeting Centre) Fiscal Year-to-Date, Highway
   Targeting Reports for 2019-20 to 2022-23

- **Case Studies:** Four case studies depicting different typical eManifest processing situations in the Highway mode in <u>SOR (Southern Ontario Region)</u>.
- Document and literature Review: review of eManifest-related documents

#### Limitations

- Some of the data (e.g., helpline data) was provided in calendar years and not fiscal years, limiting the ability to triangulate analyses.
- Scenarios used for the counterfactual assessment show typical situations in the Highway mode in Southern Ontario Region only. Therefore, they do not represent eManifest-related commercial processing in all scenarios, locations, modes, or regions.
- As data was reviewed from 2018-19 to 2022-23, trend analysis are caveated by the impact from the Covid-19 pandemic years (2020-21 and 2021-22).

## The intended results of eManifest assessed by the evaluation and the BRP (Benefit Realization Plan)'s benefits

The <u>BRP</u> (<u>Benefit Realization Plan</u>) for the eManifest initiative identified three intended benefits of eManifest at project closure (2018-19). Rather than develop a logic model (which is typically done for evaluating programs), the evaluation modified the original benefit statements to align with eManifest's current role as a functional component of the Commercial Program. The alignment between the evaluation's benefit statements and those included in the eManifest <u>BRP</u> (<u>Benefit Realization Plan</u>) is as follows:

#### **Table 12: eManifest BRP (Benefit Realization Plan)**

Evaluation results wording	Faster, more efficient frontline processing for commercial trade	Improved risk assessment	Reduced administrative burden on businesses
Original benefit wording at project closure (BRP (Benefit Realization Plan))	Integrates border services that further national security priorities, while facilitating the free flow of low -risk travellers and goods.	Provides access for the CBSA (Canada Border Services Agency) to historical patterns and supply chain trends. This information improves the overall effectiveness of the risk assessment program and addresses border health, safety and national security threats.	eManifest is consistent with the direction other countries are taking to use compatible electronic processes based on pre-arrival electronic commercial information. The data required under eManifest is harmonized to the greatest extent possible with the WCO (World Customs Organization) and the United States Customs and Border Protection (US CBP) Automated Commercial Environment (ACE) program (equivalent of eManifest) to reduce the administrative burden on businesses.

### **Appendix E: Acronyms**

#### **ACE**

**Automated Commercial Environment** 

#### **ACI**

**Advance Commercial Information** 

#### **ACROSS**

Accelerated Commercial Release Operations Support System

#### **AMPs**

**Administrative Monetary Penalties** 

#### **ARD**

**Automated Risk Determination** 

#### **BRP**

Benefit Realization Plan

#### **BSO**

**Border Services Officer** 

#### **CAM**

Costing and Analytical Model

#### **CBSA**

Canada Border Services Agency

#### **CCN**

Cargo Control Number

#### **CDEM**

**Commercial Document Entity Management** 

#### **CECP**

**Customs Electronic Commerce Platform** 

#### **CPD**

**Commercial Program Directorate** 

#### **CPSG**

Commercial Passage

#### **CRD**

Commercial Risk Development

#### **CRIM**

**Customs Referral Inspection Manager** 

#### **CRN**

Conveyance Reference Number

#### **CTAS**

Commercial Threat Assessment System

#### **CTB**

Commercial and Trade Branch

#### **EDI**

Electronic Data Interchange

#### **EDTA**

Estimated Date and Time of Arrival

#### eHB

**Electronic House Bill** 

#### **EPA**

**Effective Project Approval** 

#### **ExCC**

**External Client Communications** 

#### **FCMB**

Financial and Corporate Management Branch

#### FF

Freight Forwarder

#### **FPOA**

First Port of Arrival

#### HQ

Headquarters

#### IID

**Integrated Import Declaration** 

#### **ISTB**

Information, Science and Technology Branch

#### **KPI**

**Key Performance Indicator** 

#### LTL

Less than Load

#### NTC

**National Targeting Centre** 

#### **OPI**

Office of Primary Interest

#### **PIL**

**Primary Inspection Line** 

#### **POE**

Port of Entry

#### QDV

Query and Data Viewing Utility

#### **RAPM**

Risk Assessment Program Maintenance

#### **RCNP**

**Residual Compliance Notification Process** 

#### **RDC**

Rogue Data Corporation

#### **SOR**

Southern Ontario Region

#### **SWI**

Single Window Initiative

#### **TB**

**Treasury Board** 

#### **TDA**

**Targeting Data Analytics** 

#### **TCI**

**Targeting Commercial Intelligence** 

#### **TCP**

Trade Chain Partner

#### **TITAN**

Tactical Information Targeting Analysis and Notification System

#### TO

Targeting officer

#### **TPA**

**Trading Partner Administrator** 

#### **TPPD**

Transformation, Planning and Projects Directorate

#### **US CBP**

U.S. Customs and Border Protection

### WCO

### World Customs Organization

#### Date modified:

2025-07-22