![Australian Government | NVES New Vehicle Efficiency Standard Regulator]

Industry Webinar 3

Are you ready for 1 July? A practical webinar to support industry readiness

22 May 2025

For follow-up questions and further contact, please email
NVESRegulator@infrastructure.gov.au

Housekeeping

Please direct any questions you have to our Slido.

Join at **slido.com**

#988 2505

Passcode: **NVES**

Operational readiness

Nicola Hall

Director, NVES Performance and Regulation

Initial readiness checklist
What do you score out of seven?

Role awareness

☐ Are all the right business units aware of and ready to support NVES activities?

☐ Do we have a central contact for NVES?

Data and assurance

☐ Have we worked out how NVES data will be collected?

☐ Have we considered additional record keeping and assurance processes?

☐ Are we confident that we could respond quickly and appropriately if contacted by the NVES Regulator with a data assurance question?

Strategic planning

☐ Have we assessed and planned for short-term changes and longer-term implications of NVES?

☐ Are we satisfied that our business structure and current RAV arrangements suit NVES?

Initial readiness scoring

Score of zero to 1

If you self-score between **zero to 1**, you should <u>urgently</u> reach out to your account manager to help you understand your requirements and where you should focus your attention first.

Score of 2 to 4

If you self-score between **2 to 4**, you may have started thinking about requirements and putting measures in place. However you should reach out to your account manager to work together on what you need to do next.

Score of 5 to 6

If you self-score between **5 to 6**, you are on the right track. You may need to check-in with your account manager to run through your preparedness.

Score of 7

If you self-score at **7**, you are ready! You are very welcome to contact your account manager to check-in.

Score of 2 to 4

Score of 5 to 6

Score of zero to 1

Score of 7

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Key dates and actions – short term

Y1 2025

Pre-July 2025
- Introduction to your account manager.
- Voluntary NVES fields go live on the Register of Approved Vehicles.

1 July 2025
Mandatory data reporting for NVES fields on covered vehicles.

September 2025
- NVES Portal goes live.
- Apply for a NVES Unit Registry account and begin managing account access.

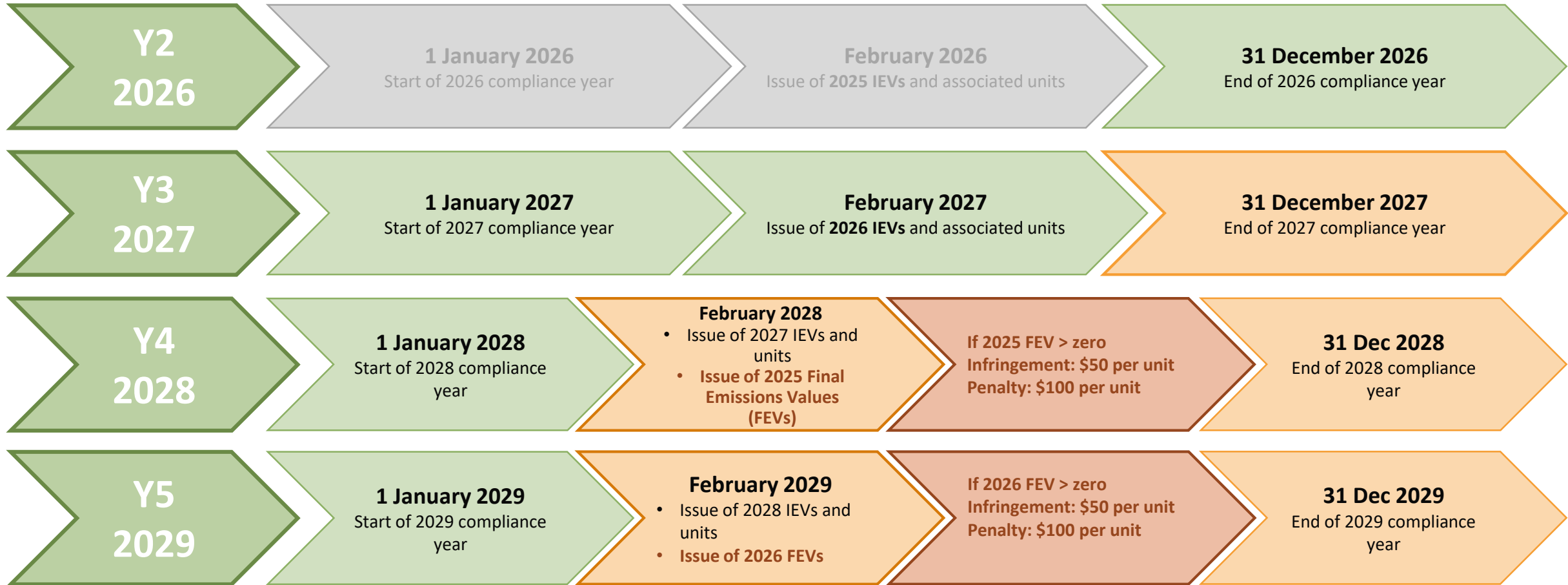**Y2 2026**

1 January 2026
Start of 2026 compliance year.

February 2026
- Issue of 2025 Interim Emissions Values and associated units.
- Unit management can begin.

...

Key dates and actions – long term

Y2 2026	1 January 2026 Start of 2026 compliance year	February 2026 Issue of **2025 IEVs** and associated units	31 December 2026 End of 2026 compliance year

Y3 2027	1 January 2027 Start of 2027 compliance year	February 2027 Issue of **2026 IEVs** and associated units	31 December 2027 End of 2027 compliance year

Y4 2028	1 January 2028 Start of 2028 compliance year	**February 2028** • Issue of 2027 IEVs and units • **Issue of 2025 Final Emissions Values (FEVs)**	**If 2025 FEV > zero** Infringement: $50 per unit Penalty: $100 per unit	31 Dec 2028 End of 2028 compliance year

Y5 2029	1 January 2029 Start of 2029 compliance year	**February 2029** • Issue of 2028 IEVs and units • **Issue of 2026 FEVs**	**If 2026 FEV > zero** Infringement: $50 per unit Penalty: $100 per unit	31 Dec 2029 End of 2029 compliance year

How we can help you

Road Vehicle Safety

New Vehicle Efficiency Standard Regulator

Vehicle recalls and safety

Physical auditing and compliance

Vehicle Type Approval holder matters
(including for NVES covered vehicles)

Register of Approved Vehicles (RAV) corrections
(including for NVES vehicles)

Contact 1800 815 272
(or online help form)

Obligations under the *New Vehicle Efficiency Standard Act 2024 (NVES Act)*

NVES calculations
(IEVs) and Final Emissions Values (FEVs)

NVES unit registry
(management)

General NVES enquiries
(relevant to compliance and regulation)

Contact your account manager
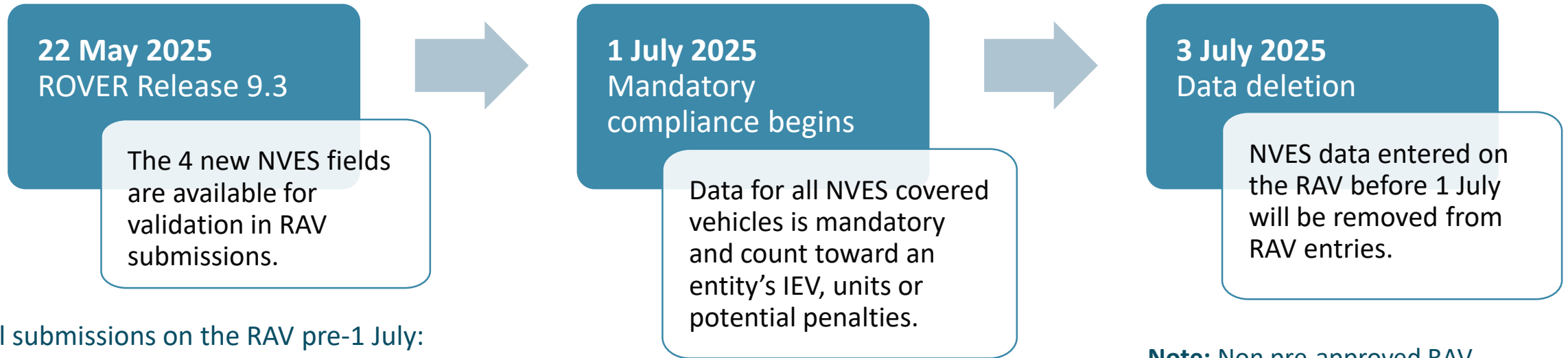E: NVESRegulator@infrastructure.gov.au

Progress update: Business Systems Design

Anthony Swan

Director, NVES Business Systems Design

NVES fields are live on the Register of Approved Vehicles

22 May 2025
ROVER Release 9.3

The 4 new NVES fields are available for validation in RAV submissions.

1 July 2025
Mandatory compliance begins

Data for all NVES covered vehicles is mandatory and count toward an entity's IEV, units or potential penalties.

3 July 2025
Data deletion

NVES data entered on the RAV before 1 July will be removed from RAV entries.

All submissions on the RAV pre-1 July:

- Are real and require accurate data. **This is not a test environment.**

- **Will not count towards an entity's interim emissions value (IEV), units or potential penalties.**
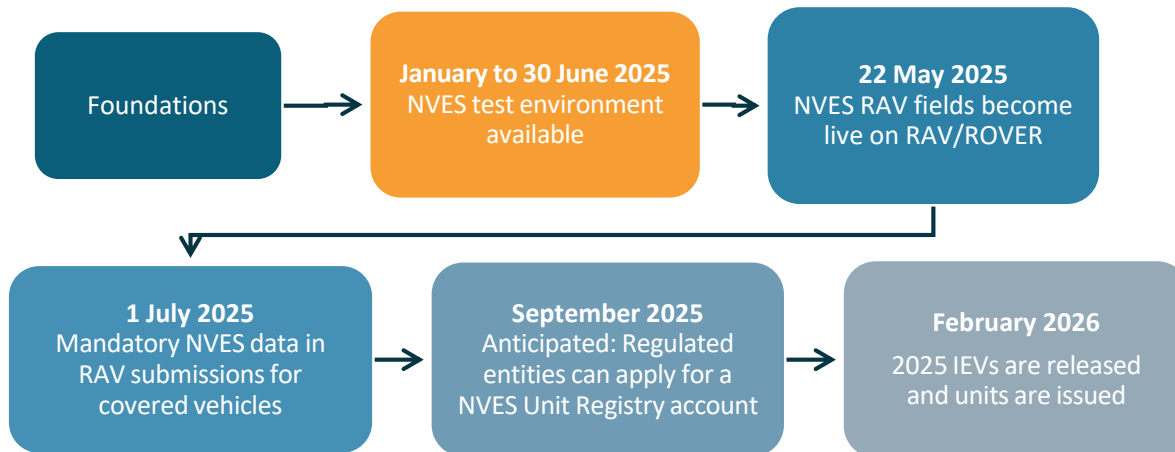
If the vehicle is not covered by NVES, leave the RAV fields blank.

Note: Non pre-approved RAV submitters need to carefully manage payments on pre-July uploads.

NVES test environment: NVES data fields

Four new NVES-specific data fields
1. NVES vehicle type
2. Carbon dioxide (CO_2) emissions (grams per kilometre)
3. Mass in running order (MIRO) (kilograms)
4. Rated towing capacity (RTC) (kilograms)

503 submissions (as at 19 May)**:**

- 30 regulated entities

- 39 vehicle makes

- Representing approx. 85% of RAV entry volume last FY.

4,302 individual items:

- 2,814 validated

- Invalid items have been addressed via:

  - Discussion/awareness through the IT Working Group

  - Communication via the NVES Regulator newsletter

- Note: some invalid entries are purposeful to test the system and error messages.

```
Foundations  →  January to 30 June 2025    →   22 May 2025
                NVES test environment           NVES RAV fields become
                available                       live on RAV/ROVER

1 July 2025              →   September 2025          →   February 2026
Mandatory NVES data in      Anticipated: Regulated      2025 IEVs are released
RAV submissions for         entities can apply for a    and units are issued
covered vehicles            NVES Unit Registry account
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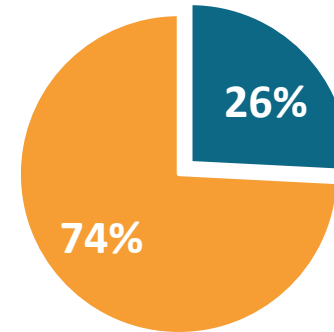
NVES test environment

Help to comply

- 26% of regulated entities submitted a valid entry the first time.

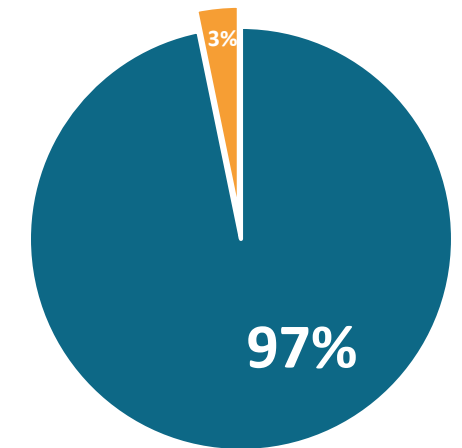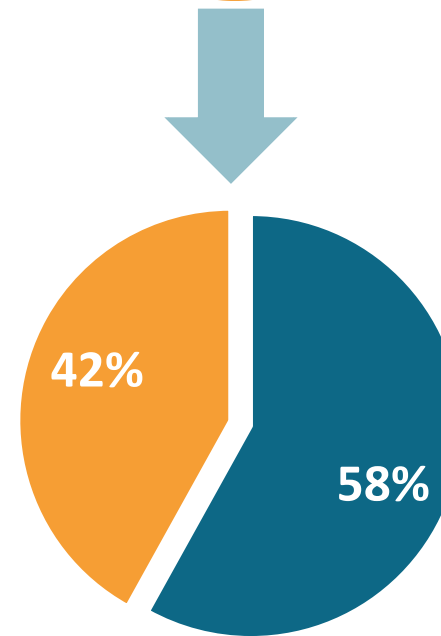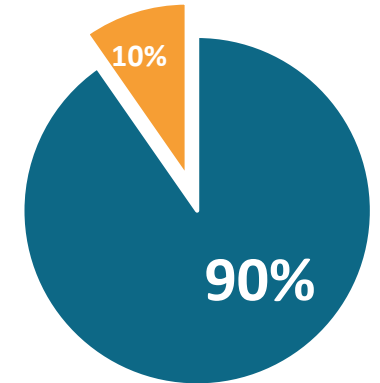- 90% of the regulated entities submitted a valid entry during testing.

User friendly validation rule changes

- Under new validation rules – only 42% of regulated entities would have submitted an invalid first-time entry.

- Only 1 regulated entity has not submitted a valid entry.

An entity's first submission

An entity's overall submission

26%

74%

90%

10%

42%

58%

97%

3%

NVES test environment: What is the most common error?

Since the publication of ROVER 9.3 Release Guide on 17 April, test submissions in the NVES test environment have been using the additional values outlined in the Guide.

The most common error has been the use of NVES Vehicle Type values from ROVER 9.3 Release Guide, which are **not accepted** in the NVES test environment.

The NVES test environment:

* Operates separately from the RAV and does not accept all the values

* Will remain open until 30 June

* Accepts test submissions of up to 20 vehicles per upload.

Accepted values: NVES test environment	Accepted values: live RAV (from 22 May)*
type 1 vehicle	type 1 vehicle
type 2 vehicle	type 2 vehicle
exempt vehicle	exempt vehicle
not applicable	not applicable
[blank]	[blank]

Additional values	
	type 1
	type 2
	exempt
	na
	N/A

*Upper and lowercase accepted

Where can I find the detailed NVES field descriptions?

- The RAV validation rules can be found in the *Guide to the Register of Approved Vehicles*.

- Following industry feedback, all NVES-specific numerical RAV fields must now be entered as whole numbers.

- The ROVER Level 1 team will continue handling RAV data entry queries, including for NVES fields.

- A full summary of NVES data and IEV-FEV calculation fidelities will be released soon.

Note: amendment to the definition for Rated Towing Capacity and clarification of MIRO for cab chassis vehicles, based on industry consultation, is currently under consideration. Any changes will be communicated as soon as this amendment is made.

Australian Government
Department of Infrastructure, Transport, Regional Development, Communications and the Arts

> Guide to the Register of Approved Vehicles

May 2025

Making sure your data is accurate

Nicola Hall

Director, NVES Performance and Regulation

NVES Vehicle Type

Type 1

MA
GVM ≤ 3.5t

MB
GVM ≤ 3.5t

MC
GVM ≤ 3.5t &
RTC < 3t

MC
GVM ≤ 3.5t &
RTC ≥ 3t &
NOT body-on-frame
chassis

Type 2

NA

MC
GVM ≤ 3.5t &
RTC ≥ 3.5t &
body-on-frame chassis

Exempt

Other category
codes

Concessional
RAV entry

Temporarily Exempt

NB 1

MC
GVM > 3.5t

MA
GVM > 3.5t

MB
GVM > 3.5t

Know your NVES definitions

CO_2 emissions number	Mass in running order	Rated towing capacity
CO_2 emissions	MIRO	RTC
Combined CO_2 emissions result measured in grams per kilometre (g/km) using New European Driving Cycle (NEDC) test procedure. **OR** Equivalent result using alternative test and approved conversion formula.	Vehicle mass (kg) with: • all fluids • 'full' fuel (min. 90%) • standard equipment • 75 kg driver.	Lesser of either: • rating (kg) given to the towing equipment fitted to the motor vehicle. • the difference between Gross Combination Mass (GCM) and Gross Vehicle Mass (GVM).

Note: *an amendment to the definition for Rated Towing Capacity and clarification of MIRO for cab chassis vehicles, based on industry consultation, are currently under consideration. Any changes will be communicated as soon as this amendment is made.*

Emissions calculation for a single vehicle

MA, type 1

Emissions number   *minus*   ## Emissions target

HL + MAF (MIRO − RM)

Field	Data	Unit
Carbon dioxide emissions	135	g/km, whole number

Field	Data	Unit
Headline limit	141	g/km, whole number
Mass adjustment factor	0.0663	constant, 4 decimal places
Mass in running order (MIRO)	1850	kg, whole number
Reference MIRO	1723	kg, whole number
Emissions target	**149.4201**	

= 135 − 149.4201
= -14.4201

Maintaining NVES data integrity

Know your CO_2 test conversions

- New European Driving Cycle and g/km
- Use approved conversion formula for equivalency

Consider process automation opportunities

- Pre-populate RAV submission export, embed validation checks
- Reduce manual data handling and transcription errors

Appoint an accountable officer

- Responsible for NVES data quality and compliance
- Primary contact to help resolve questions and concerns quickly

Ensure traceability

- Embed good record keeping processes

Independent audits or third-party verification could be helpful

What happens if I discover a mistake?

One of my NVES values (CO$_2$, MIRO, Vehicle Type, RTC) is incorrect…

Before IEV is calculated – submit a RAV correction request.

After IEV is calculated, issue becomes much harder and more complicated to fix – contact your account manager.

Regulated entities that are quick to take corrective action on incorrect information submitted in RAV, and seek our guidance for self-correction, will always be supported.

Q&A

Please direct any questions you have to our Slido.

Join at **slido.com**

#988 2505

Passcode: **NVES**

Please complete our anonymous post-webinar survey via the QR code

Your feedback will inform how we plan future engagements.

Thank you for your time today

For follow-up questions and further contact, please email
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