Vision Pro ™: Behavior Profiles

User Guide

POWER FLEET®
People Powered IoT

MANAGING THE ASSETS IN YOUR SYSTEM

How to view, add, edit, and manage vehicle behavior profiles in the Vision Pro™ software database of your industrial truck management system.

TABLE OF CONTENTS

INTRODUCTION

The ASSETS section of your Vision Pro™ software lets you manage all of the equipment associated with your industrial truck management system:

- The Vehicles being monitored.

- Basic Checklists for each Vehicle Type.

- Behavior Profiles for each Vehicle Type (automatic system reactions to various events, such as impacts).

- Planned Maintenance profiles for each Vehicle Type, if applicable.

- Vehicle Batteries, if applicable.

- System Devices, including Vehicle-mounted devices (VACs) and communication infrastructure hardware (WAMs, Beacons, and/or Wi-Fi Access Points).

This User Guide details how are viewed, edited, added, and managed in the Vision Pro™ software.

To get started, as shown below:
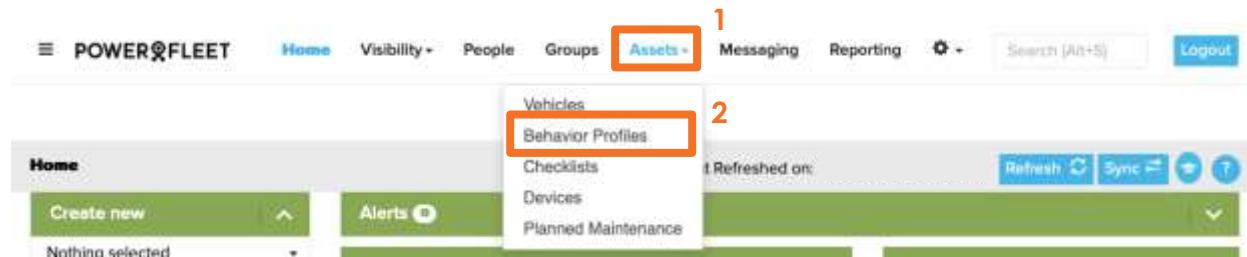
1. From the Vision Pro™ software home screen, click the Assets drop-down list.

2. Select Behavior Profiles from the drop-down list.

VIEWING BEHAVIOR PROFILES

NOTE

Behavior Profiles are a key part of your industrial truck management system. They tell the system what to do when certain events occur on Vehicles.

The system comes with over 20 pre-defined Behavior Profiles that determine how Vehicles react to Checklist responses, maintenance schedules, impact events, excessive idling, and incoming messages.

Your system automatically assigns Behavior Profiles to each Vehicle, based on Vehicle Type, as defined during installation of the system's Vehicle-mounted devices (VACs). Vehicle Type can be a piece of material handling equipment (Forklift Rider, Pallet Jack Walkie, Tow Tractor, etc.), another kind of Vehicle (Man Lift, Scrubber, etc.), or a class of airport Ground Support Equipment (GSE).

NOTE: the system's pre-defined Behavior Profiles cannot be edited or deleted

Viewing the List of Behavior Profiles

Click Behavior Profiles on the Assets drop-down list to view the list of Behavior Profiles:

Behavior Profiles are listed by Name [A]. Clicking on a Name will let you view the Behaviors in that Profile.

Names that start with an underscore ("_") are the pre-defined Behavior Profiles that come with the system.

If you create a new, custom Profile, you can name it whatever you wish, without an underscore. (See Adding New Behavior Profiles.)

You can filter the list of Behavior Profiles by entering keywords into the Search Text Box and then clicking "Go" [B].

At the top of the screen, you can see how many Behavior Profiles are in the current view and what filters, if any, are applied to the view [C]. ("All" means NO filters are applied.)

You can sort Behavior Profiles by any column that has an up/down arrow at top, e.g. [D].

The Behavior Profile Description [E] is pre-defined for each Profile that comes with the system. But you can write your own description for each new, custom Behavior Profile you create.

You can see how many different Vehicles use each Behavior Profile [F], and how many different Behaviors are included in each Behavior Profile [G].

Clicking on an Information sign [H] will open a pop-up window, like the one shown below, which lists the Behavior Profile's Name, how many Vehicles are Assigned to use it, how many different Behaviors it contains, and its Description.
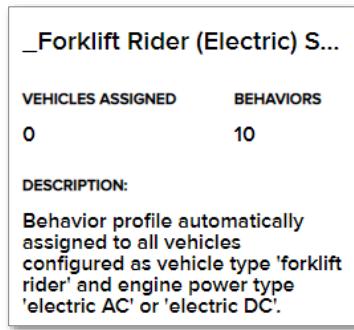
In the Actions column [I], clicking on the arrow at the end of a Behavior Profile row [J] will open a drop-down list, which lets you Duplicate that Behavior Profile. This is helpful when creating a new Behavior Profile that is like an existing Profile. (See Adding New Behavior Profiles.)
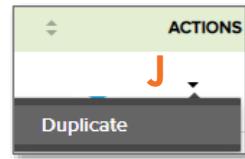
At the bottom of the screen, you can choose how many Behavior Profiles are visible on the screen at one time (e.g. 10 per screen) [K], and which screen to view [L] (e.g. with 10 Behavior Profiles per screen, screen 1 will show Profiles 1-10).


_Forklift Rider (Electric) S...

VEHICLES ASSIGNED   **BEHAVIORS**

0   10

DESCRIPTION:

Behavior profile automatically assigned to all vehicles configured as vehicle type 'forklift rider' and engine power type 'electric AC' or 'electric DC'.

Viewing Behaviors Included in Behavior Profiles

To see the contents of a specific Behavior Profile, click on the Name of that Profile [A]:

A screen for that specific Behavior Profile will appear, with the following information:

The Name of the Behavior Profile [B].

A Description of the Profile [C].

How many Vehicles are Assigned to use the Profile [D].

The unique Number of each Behavior included in the Profile [E].

The name of each Behavior in the Profile [F]. (See more details below.)

The general type of Vehicle Response that each Behavior triggers [G]. (See more details below.)

The Resolution of each Behavior (what Checklist or message is launched) [H]. (See more details below.)

A Duplicate button [I] lets you copy the entire existing Behavior Profile to create a new, custom Behavior Profile. (See Adding New Behavior Profiles.)

NOTE: the pre-defined Behavior Profiles included with system CANNOT be edited.

Use the scroll bar [J] to scroll down the screen to view the entire list of Behaviors included in the Behavior Profile.

POWER☿FLEET ®

The Behavior Profiles for each Vehicle Type all include a similar list of 10 Behaviors [F]:

01 Basic Safety Inspection Checklist required for Standard Operators.

02 Basic Safety Inspection Checklist optional for Master/Maintenance Operators.

03 Maintenance Completion prompt when Maintenance Operators log into Vehicles (optional feature).

04 Checklist Critical Response to Questions: what happens if a Critical safety issue is identified on Checklist.

05 Impact response on Vehicles when impact is *High* or *Severe*.

06 Impact response on Vehicles when impact is *Medium*.

07 Checklist Non-compliance: what happens if Operators fail to complete Checklists.

08 Engine Shutdown: what happens to an Internal Combustion (IC) Vehicle's engine if Operator logoff occurs due to idle timeout, automatic lockout, manual logoff, Break Mode selection, or Vehicle deactivation via software.

09 Grace Period Timers: how long it takes before idle Vehicles shut down automatically, and what system mode Vehicle-mounted devices (VACs) go into after shut-down.

10 Message Alerts: what happens on VACs when they receive text messages through the system software.

[G] Icons show the general type of Vehicle Response that each Behavior triggers:

- Information icon ⓘ : VAC will display information only.
- Bell icon 🔔 : VAC will sound/display an alarm (if feature is licensed and enabled).
- Padlock icon 🔒 : VAC will lock out the Vehicle.

[H] The Resolution of each Behavior shows what specific Checklist, action, or message is launched by the Behavior. (See also "Assets: Checklists User Guide.")

BEHAVIOR TYPES

Before adding any new Behavior Profile, it is important to understand the underlying Behaviors that already exist in the system. As noted above, the Behavior Profile for each Vehicle Type contains the following 10 Basic Behaviors:

1. The Safety Inspection Checklist is the pre-defined "_ALWAYS" Checklist included in the system for each Vehicle Type, which is *required* for Standard Operators. (See also "Assets: Checklists User Guide.") The choices for this Behavior are:

   [1A]: **Which Operators the Checklist applies to**. Select from the drop-down list that includes Standard Operators, Master/Maintenance Operators, and Maintenance Operators only. The default selection is Standard Operators.

   [1B]: **What occurs when Operators press "Check" button on vehicle-mounted VAC**. "Always" means, "Launch Checklist even if Operator has already completed Checklist as required." "Only if non-compliant" means, "Launch Checklist ONLY if Operator has NOT already completed Checklist as required."

   [1C]: **When VAC prompts Operators to complete Checklists**. "After login" means, "EVERY time Operator logs into Vehicle." "After login, but only if non-compliant" means, "Each time Operator logs into Vehicle IF Checklist was NOT already completed as required. "Do not prompt" means no prompt will be displayed.

   [1D]: **How VAC responds to Checklist prompt**. ⓘ VAC icon means VACs will display an icon to indicate non-compliance. 🔔 Alarm (if check box is ticked) means VACs will sound an alarm to indicate non-compliance. 🔒 Lockout (if check box is ticked) means VACs will ignore the standard 20-minute grace period to complete checklist. The checklist is required prior to moving the vehicle.

   [1E]: **Which Checklist is launched**. The pre-defined Behavior Profiles for each Vehicle Type automatically include the Checklist for the same Vehicle Type. If you add a new Behavior Profile, choose the applicable Vehicle Type Checklist.

2. The Safety Inspection Checklist for Master/Maintenance Operators is also the pre-defined "_ALWAYS" Checklist included in the system for each specific Vehicle Type. But default settings Master/Maintenance Operators are different than they are for Standard Operators. The choices for this Behavior are:

[2A]: **Which Operators the Checklist applies to**. Same as description [1A] above, except the default selection is Master/Maintenance Operators.

[2B]: **What occurs when Operators press "Check" button on VAC**. Same as description [1B] above.

[2C]: **When VAC prompts Operators to complete Checklists**. Same as description [1C] above.

[2D]: **How VAC responds to Checklist prompt**. Same as description [1D] above.

[2E]: **Which Checklist is launched**. Same as description [1E] above.

3. The Maintenance Completion prompt is a pre-defined message that appears when Maintenance Operators press the "check" button on a VAC. The choices for this Behavior are:

[3A]: **Which Planned Maintenance (PM) prompt applies**. The pre-defined prompts on the drop-down list are based on Vehicle Type ("PM - [Vehicle Type]").

[3B]: **How VAC responds to Checklist prompt**. Same as description [1D] above.

[3C]: **Which Operators can clear the prompt on VAC**. The default selection for this Behavior is Master/Maintenance Operators.

4. The Checklist Critical Response to Questions Behavior determines what happens if a Checklist identifies a critical safety issue. The elements of this Behavior are:

[4A]: **Definition of Condition**. Not editable for this Behavior.

[4B]: **What VAC does if Operator identifies a "Critical" safety issue on a Checklist**. The default selection for this Behavior is Vehicle Lockout.

[4C]: **Which Operators the Behavior applies to**. The default selection for this Behavior is Maintenance Operators.

[4D]: **Which Checklist is launched**. For this Behavior, it is the pre-defined "_CRITICAL Release Lockout" Checklist. (See also "Assets: Checklists User Guide.")

5. Impact Behaviors determine what happens when Vehicles experience different impact levels. There are two pre-defined Impact Behaviors included in the system, one for *High*/*Severe* impacts; the other for *Medium* impacts. (To add more Impact Behaviors, see Adding New Behavior Profiles.) The choices for this Behavior are:

[5A]: **Impact Levels**. Click on the bars to select/de-select levels. The pre-defined Behavior for *High*/*Severe* impacts, shown here, has High and Severe selected.

[5B]: **What VAC does after Vehicle impact at this level**. For the *High*/*Severe* impact Behavior, the default selection is Vehicle Lockout.

[5C]: **Which Operators can clear VAC after this level of impact**. For the *High*/*Severe* impact Behavior, the default selection is Master/Maintenance Operators.

[5D]: **Which Checklist is launched**. For this Behavior, it is the pre-defined "_IMPACT Release Lockout" Checklist. (See also "Assets: Checklists User Guide.")

6. See item 5 above. This is the second pre-defined Impact Behavior included in the system — for *Medium* impacts. (To add more Impact Behaviors, see Adding New Behavior Profiles.) The choices for this Behavior are:

[6A]: **Impact Levels**. Click on the bars to select/de-select levels. The pre-defined Behavior for *Medium* impacts, shown here, has Medium selected.

[6B]: **What VAC does after Vehicle impact at this level**. For the *Medium* impact Behavior, an informational VAC Icon appears on the VAC.

[6C]: **Which Operators can clear VAC after this level of impact**. For the *Medium* impact Behavior, the default selection is Standard Operators.

[6D]: **Which Checklist is launched**. For this Behavior, it is the pre-defined "_IMPACT Driver" Checklist. (See also "Assets: Checklists User Guide.")

7. The Checklist Non-compliance Behavior determines what happens if Operators fail to complete Checklists. The choices for this Behavior are:

[7A]: **Type of Checklist**. Safety Inspection or Job Selection. Job selection is an optional feature. The default selection is Safety Inspection.

[7B]: **What VAC does after Operators fail to complete Checklist**. For this Behavior, the default selections are both VAC Alarm and Vehicle Lockout.

[7C]: **Which Operators can clear VAC after non-compliance**. For this Behavior, the default selection is Master/Maintenance Operators.

[7D]: **Which Checklist is launched**. For this Behavior, it is the pre-defined "_NONCOMP Release Lockout" Checklist. (See also "Assets: Checklists User Guide.")

8. The Engine Shutdown Behavior determines what happens to an IC Vehicle's engine if Operator logoff occurs due to idle timeout, automatic lockout, manual logoff, Break Mode, or Vehicle deactivation via software. The elements of this Behavior are:

[8A]: **Definition of Condition**. Not editable for this Behavior.

[8B]: **What VACs do during logoff sequence**. There are two choices: shut down the Vehicle's idling engine automatically at same time as Operator logoff (default selection) or require Operator to turn off engine manually before logoff.

[8C]: **Definition of Resolution**. Not editable for this Behavior.

9. The Grace Period Timers Behavior determines how long it takes before idle Vehicles shut down automatically, and what system mode VACs go into after shut-down, if any. The choices for this Behavior are:

[9A]: **Idle Shutdown** (if check box is ticked). The time a Vehicle can be idle (no motion, lift, or VAC keypad activity) before Vehicle automatically shuts down. The default selection is 10 minutes.

[9B]: **Sleeper Mode** (if check box is ticked). The time a Vehicle can be idle *while the seat/deadman switch is engaged* before Vehicle automatically shuts down. The default setting is NOT SELECTED. If selected, the default time is 5 minutes.

[9C]: **VAC Hibernate Mode (if check box is ticked).** The VAC has the capability to go into a low-power mode, referred to as VAC Hibernate Mode, to preserve the vehicle's battery. The hibernate countdown starts after the last logoff (manual logoff, idle timeout, etc.), or for bypassed vehicles immediately after the last activity sensed. Once the set time elapses, the VAC enters hibernate mode. By default, IC vehicles are assigned to a Behavior Profile with a 30-minute setting. Be sure it is selected for custom Behavior Profiles and define the time. Most users choose between 15 and 30 minutes. The System Maximum recommended time is 60 minutes. Also note, the VAC will wake occasionally to check in and return to hibernate after a configured amount of time.

For all 3 choices in this Behavior, time (in minutes) can be selected by directly entering digits, or by increasing/decreasing time with the up/down arrows.

10 Message Alerts ⚙		↑ ↓ ✕ ⌃
CONDITION **10A**	VEHICLE RESPONSE **10B**	RESOLUTION **10C**
New message is received by the VAC	ⓘ VAC Icon	Operator reads the message to clear the VAC display
	☑ 🔔 Beeper (beeps once)	

10. The Message Alerts Behavior determines what happens on VACs when they receive text messages via the system software. The elements of this Behavior are:

[10A]: **Definition of Condition**. Not editable for this Behavior.

[10B]: **What VACs do after receiving text messages**. When VACs get text messages, they will always display an informational VAC Icon. By default, VACs will also sound a one-beep audible alert. Unticking the Beeper check box will eliminate the audible alert.

[10C]: **Definition of Resolution**. Not editable for this Behavior.

ADDING NEW BEHAVIOR PROFILES

NOTE: You may NOT need to add new Behavior Profiles to the system.

Your system comes with the pre-defined Behavior Profiles described above, which are automatically assigned to each Vehicle based on Vehicle Type. The Vehicle Type is selected during installation of the Vehicle-mounted devices (VACs).

Before you consider adding a new Behavior Profile, you should review what is already in the system: the List of Behavior Profiles, the Behaviors Included in those Behavior Profiles, and the Behavior Details.

If you decide to add a new Behavior Profile, there are two ways to do so:

- Duplicate an existing Behavior Profile and modify it.
OR
- Build a new Behavior Profile from scratch.

NOTE: If you decide to add a new Behavior Profile to the system, in almost all cases the best practice is to duplicate and modify an *existing* Behavior Profile.

Duplicating/Editing Existing Behavior Profiles
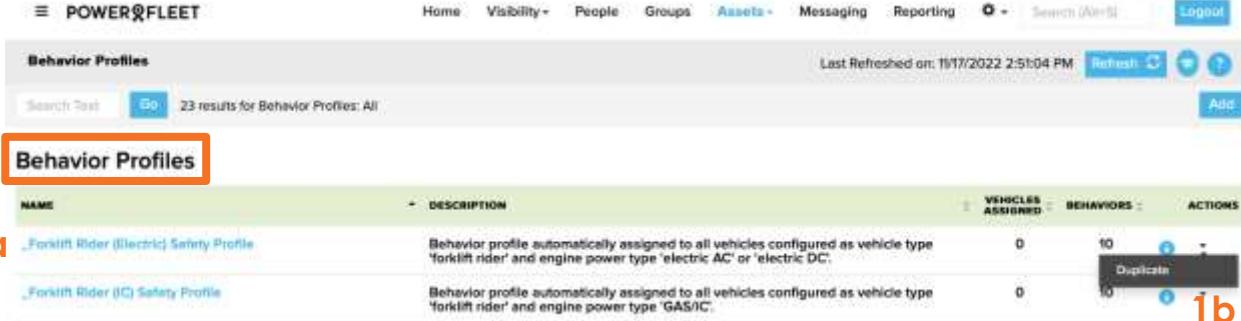
1. (**a**) On the main Behavior Profiles screen, locate an existing Behavior Profile that is for the **same Vehicle Type** as the new Behavior Profile you want to add.

   (**b**) Click on the arrow at the end of that Behavior Profile's row (under Actions) and select Duplicate from the drop-down list.

OR

2. (**a**) Click directly on the Name of the Behavior Profile that you want to duplicate.

   (**b**) When that Behavior Profile's screen appears (example below), click Duplicate.
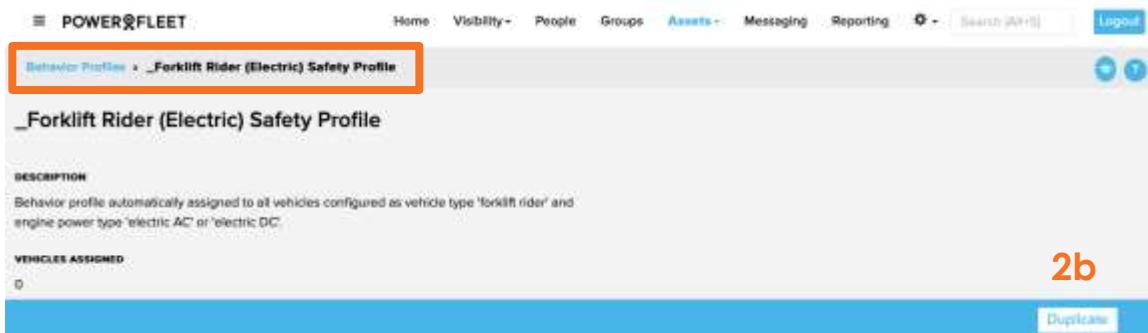
Whichever way you select Duplicate, a new Behavior Profile screen will appear, as shown at right.

Note: The Behavior Profile Name and Description fields will be blank, since you are creating a new Behavior Profile. But the Behaviors contained in this new Behavior Profile will be the same (at least to start with) as the Behaviors in the existing Behavior Profile you duplicated.

![POWER FLEET logo]
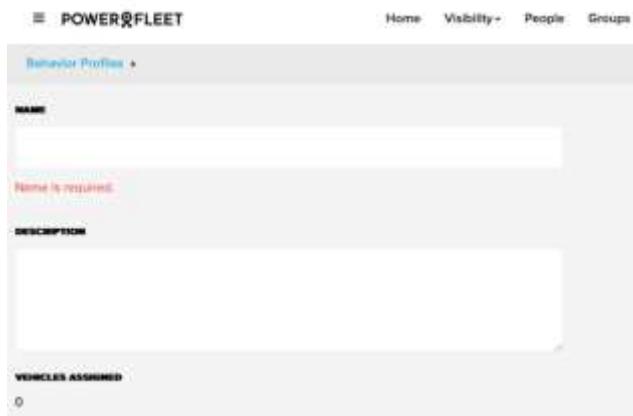
3. Enter a unique new Name for the new Behavior Profile (REQUIRED).

    TIP: Use a consistent naming convention (nomenclature) for new Profiles, such as Vehicle Type/Sub-Type/Profile Type/Description. (In the example at right, the new Behavior Profile is named "Forklift Rider-Electric-Safety2").

4. Note that the new Profile name will appear at the top of Behavior Profile screen.

5. Optionally, fill in a Description of the new Behavior Profile.

6. Scroll down to the Behavior details (which have been duplicated from the existing Behavior Profile you started with) and edit them, using the following guidelines.

7. Edit an entire Behavior with the icons on the right side of the Behavior's number row, as shown in detail at right. Change the order of Behavior with the up/down arrows. Delete the entire Behavior with the X icon.

8. Click the carat icon ⌃ on right side of Behavior's number row to hide the details of the Behavior. The icon will change to ⌄. Click icon again to re-open the details.

9. You can also hide or open the details of ALL Behaviors *at the same time* by clicking Expand All or Collapse All, above the Behavior's number bar.

NOTE: The following describes only the elements of pre-defined Behaviors that are sometimes changed from their default settings. For a full description of Behavior details and choices, see Viewing Behavior Details and Adding New Behaviors.

10. For the Safety Inspection Checklist required for Standard Operators, you *MAY* wish to:

[10A]: Change "Only if non-compliant" to "Always" if you want a Checklist to *always* launch when Standard Operators press the VAC's "check" button, even if the Operator has already completed a Checklist as required.

[10B]: Change "After login, but only if non-compliant" to "After login" if you want to prompt Standard Operators to complete a Checklist after ALL logins, whether or not the Operator has already completed a Checklist as required.

[10C]: Tick the 🔔 Alarm box so VACs will sound an alarm if Standard Operators fail to complete Checklist, and/or tick the 🔒 Lockout box if you want VAC to lockout Vehicle until Checklist is completed (without a grace period).

[10D]: You can choose a different Checklist (one that you created/customized) to substitute for the default, pre-assigned Checklist. (See also "Assets: Checklists User Guide"). First, click on the current Checklist Name. A pop-up screen will appear, as shown at right.

[10E]: Scroll through the list of available Checklists and click on the one you want.

[10F]: Then click OK. (Or you can Cancel the selection.)

NOTE: generally, the Checklist you select should be for the same Vehicle Type as the one that was automatically assigned to the original Behavior Profile/ Checklist that you duplicated.

11. For the Safety Inspection Checklist that is optional for Maintenance Operators, you *MAY* wish to make changes as described in item 10, above.

12. For the Maintenance Completion prompt, you *MAY* wish to change who can close the prompt from Master/Maintenance Operators to Maintenance Operators only.

13. For the Checklist Critical Response to Questions Behavior, you *MAY* wish to:

[13A]: Untick the 🔔 Alarm box so VAC will NOT sound an alarm if a Standard Operator fails to complete Checklist or untick the 🔒 Lockout box so VAC will NOT lock out Vehicles if a Standard Operator fails to complete Checklist.

[13B]: Change who can clear a non-compliant event from Maintenance Operators only to both Master/Maintenance Operators.

[13C]: Choose a different "release lockout" Checklist. (See [10D], [10E], [10F] above.)
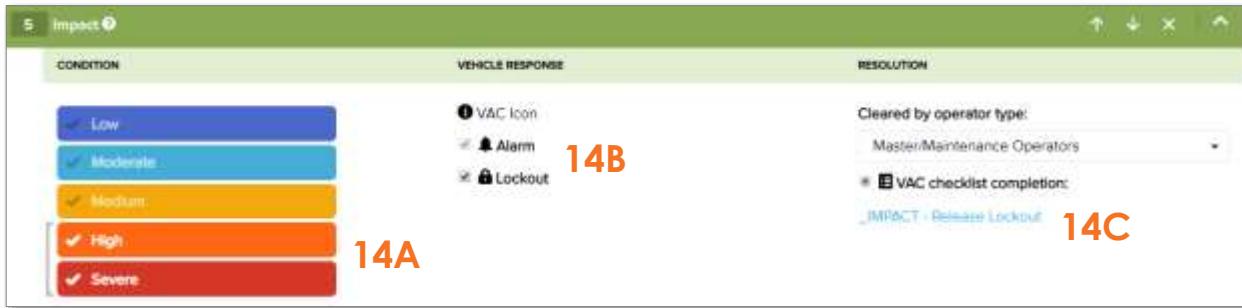
14. For the High/Severe Impact Behavior, you *may* wish to:

[14A]: Change the **Impact Level** from both High and Severe to Severe only, by de-selecting the High bar.

[14B]: Untick the 🔔 Alarm box and/or untick the 🔒 Lockout box so VACs will NOT sound an alarm/lock out Vehicles after a High/Severe impact.

[14C]: Choose a different "release lockout" Checklist. (See [10D], [10E], [10F] above.)

15. For the Medium Impact Behavior, you *may* wish to tick the 🔔 Alarm box so VACs will sound an alarm after a medium impact.

16. For the Checklist Non-compliance Behavior, you *may* wish to:

[16A]: Untick the 🔔 Alarm box and/or untick the 🔒 Lockout box so VACs will NOT sound an alarm/lock out Vehicles if an Operator fails to complete a Checklist.

[16B]: Choose a different "release lockout" Checklist. (See [10D], [10E], [10F] above.)

17. For the Engine Shutdown Behavior, you *may* wish to change what VACs do during an IC Vehicle's logoff sequence (from automatically shutting down idling engine at logoff to requiring Operator to turn off engine manually before logoff).

18. For the Grace Period Timers Behavior, you *may* wish to:

[18A]: Disable Idle Shutdown by unticking the check box or adjust the time Vehicles can be idle (no motion, lift, or VAC keypad activity) before auto-shutdown. Change time by entering digits directly into field or clicking up/down arrows.

[18B]: Enable Sleeper Mode (time Vehicles are idle, while seat/deadman switch is engaged before auto-shutdown) by ticking the check box. Change time, if desired, by entering digits directly into field or clicking up/down arrows.

[18C]: Enable VAC Hibernate Mode by ticking the check box. The VAC has the capability to go into a low-power mode, referred to as VAC Hibernate Mode, to preserve the vehicle's battery. The hibernate countdown starts after the last logoff (manual logoff, idle timeout, etc.), or for bypassed vehicles immediately after the last activity sensed. Once the set time elapses, the VAC enters hibernate mode. By default, IC vehicles are assigned to a Behavior Profile with a 30-minute setting. Be sure it is selected for custom Behavior Profiles and define the time. Most users choose between 15 and 30 minutes. The System Maximum recommended time is 60 minutes. Enter a specific countdown by ticking the check box, then entering digits directly into the field or clicking the up/down arrows. Also note, the VAC will wake occasionally to check in and return to hibernate after a configured amount of time.

19. For the Message Alerts Behavior, you *may* wish to untick the Beeper box so VACs will NOT sound an audible alert when they receive text messages.

20. To add a new Behavior to the Behavior Profile, click the Add Behavior button, which appears under the last Behavior in the Behavior Profile.

> [20A]: The Select a Behavior pop-up screen will appear, as shown at right.

> [20B]: Click on the Behavior you want to add. (Scroll down the pre-defined list to view the choices, or enter keywords in search box.)

NOTE: A Behavior can be used in a Behavior Profile a *limited number of times.* If a Behavior's name is in **bold type**, it IS available to add to the Behavior Profile. If a Behavior's name is in normal (not bold) type, it has already been used the maximum number of times and is NOT available to add to the Profile.

NOTE: For more details on the Behaviors available, see Adding New Behaviors.

> [20C]: Click OK to save/add the new Behavior. (Or Cancel it.)

REMEMBER: If you add a new Behavior, you can change its order in the Behavior Profile by using the up/down arrows on right side of Behavior's number row, as described in Item 7, above. Move the new Behavior up/down to wherever you want to place it.

21. Save all changes to the duplicated/edited Behavior Profile by clicking Save. Or cancel all changes by clicking Cancel.

Adding New Behavior Profiles from Scratch

If you need to add a new Behavior Profile to the system from scratch:

1. Click the Add button on the top-right of the Behavior Profiles main screen. A new Behavior Profile screen will appear, as shown below:
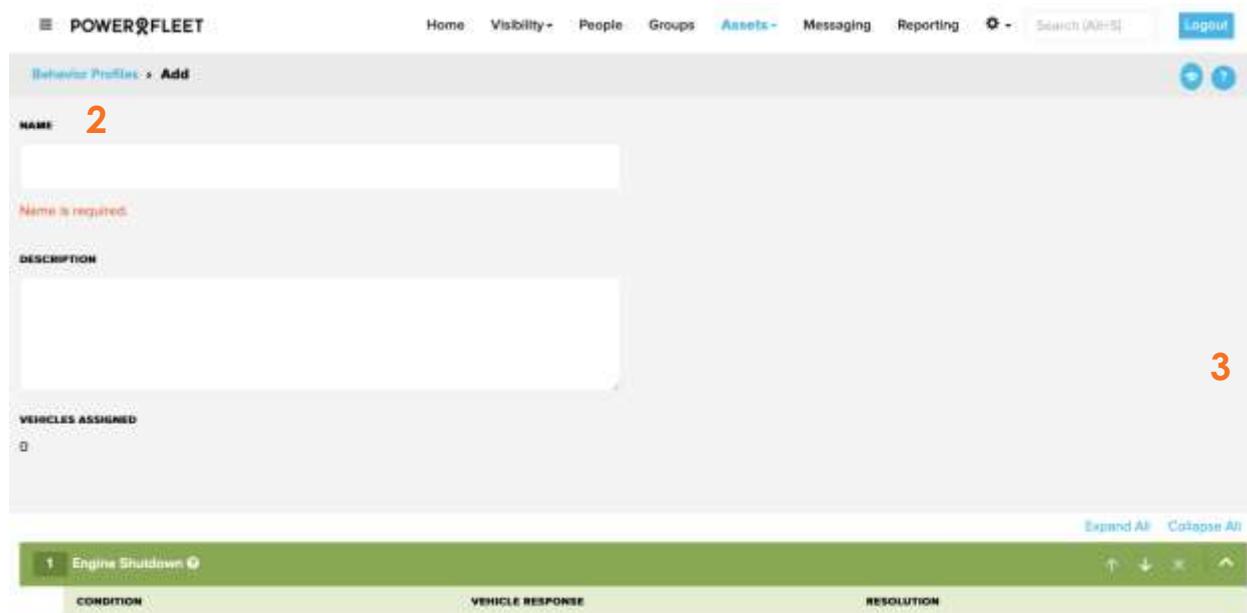
2. Enter a unique Name for the new Behavior Profile (REQUIRED) and, optionally, a Description of the Profile, as described in Item 3 of Duplicating/Editing Existing Behavior Profiles.

3. Scroll down to bottom of screen to view and edit the three Behaviors included by default in every Behavior Profile: Engine Shutdown, Safety Inspection Checklist, and Grace Period Timers.

4. Review Engine Shutdown Behavior, as described in Item 8 of Viewing Behavior Details.

5. Define Safety Inspection Checklist, as described in Item 1 of Viewing Behavior Details:

[5A]: Change default Conditions and Vehicle Response, if desired.

[5B]: Under Resolution, click Select VAC Checklist. The pop-up screen shown at right will appear.

[5C]: Scroll through the list of available Checklists and click on the one that matches the specific Vehicle Type that this Behavior Profile is for.

[5D]: Click OK to save. (Or Cancel the selection.)

6. Review Grace Period Timers, as described in Item 9 of Viewing Behavior Details.

7. Click Add Behavior to add more Behaviors. See Adding New Behaviors below.

8. Save all changes to the new Behavior Profile by clicking Save. Or cancel all changes by clicking Cancel.

REMEMBER: You can change the order of Behaviors in the Behavior Profile by using the up/down arrows on right side of each Behavior's number row, as described in Item 7 of Duplicating/Editing Existing Behavior Profiles.

POWER♀FLEET®

Adding New Behaviors

Whether you are duplicating and editing an existing Behavior Profile or adding a new Behavior Profile from scratch, you can add Behaviors that are not included by default. NOTE: Some Behaviors are available only if the related feature is licensed/enabled.

As described in Item 20 of Duplicating/ Editing Existing Behavior Profiles, click the Add Behavior button to open the Select a Behavior pop-up screen, shown at right [A].

Then click the Behavior you want to add. Either enter keywords in the search box [B], or scroll down the pre-defined list to view the choices [C].

NOTE: A Behavior can be used in a Behavior Profile a *limited number of times*. If a Behavior's name is in **bold type**, it IS available to add to the Behavior Profile. If a Behavior's name is in normal (not bold) type, it has already been used the maximum number of times and is NOT available to add to the Profile.

Depending on licensed system features, the Behaviors available *MAY* include:

1. Battery Level. Click on the Name [1A] to see the description of the Behavior [1B]. Click OK [1C] to add this Behavior to the Behavior Profile (or Cancel it).
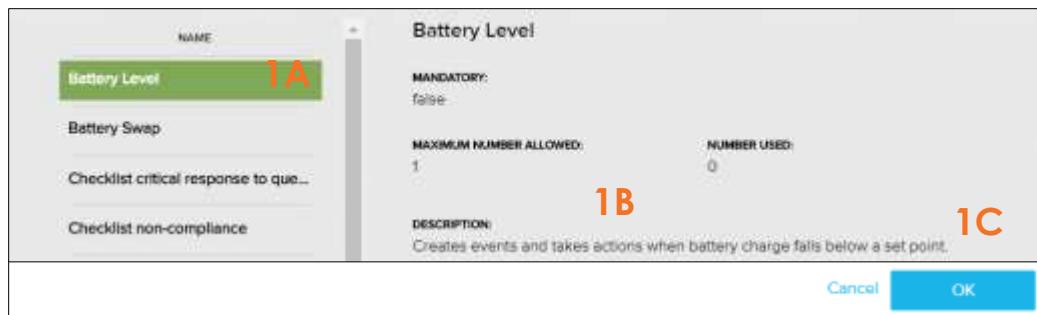
Elements of this Behavior:

- **Condition**: Choose a Battery level drop (% charge or voltage) using the numeric entry box and unit measure drop-down list [1D]. Then choose the number of times this event has to occur during a shift to trigger an alert [1E].

- **Vehicle Response**: By default, the Vehicle-mounted device (VAC) will display a VAC Icon, sound an Alarm, and Lockout the Vehicle [1F].

- **Resolution [1G]**: By default, a Master/Maintenance Operator must complete a Checklist to unlock the Vehicle. Click drop-down list to pick a different Operator type. Click link under Checklist to pick a different Checklist. For more on "release lockout" Checklists, see Viewing Behavior Details. Note: If you do NOT want to require a Checklist, untick VAC checklist completion (the condition will still be reported).

2. **Battery Swap**. Click on the Name [2A] to see the description of the Behavior [2B]. Click OK [2C] to add this Behavior to the Behavior Profile (or Cancel it). The details of this Behavior are not editable [2D].
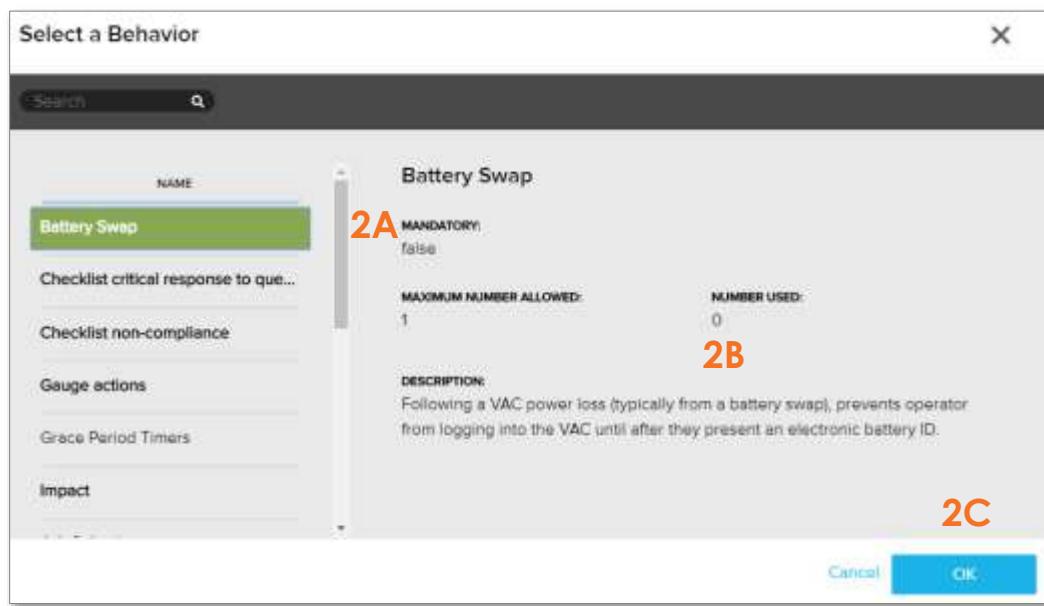
POWER🔆FLEET®

3. Checklist Critical Response to Questions. Click on Name [3A] to see description of Behavior [3B]. Click OK [3C] to add Behavior to Behavior Profile (or Cancel it). For more details on this Behavior, including what you can edit, see Item 4 of Viewing Behavior Details and/or Item 13 of Duplicating/Editing Existing Behavior Profiles.
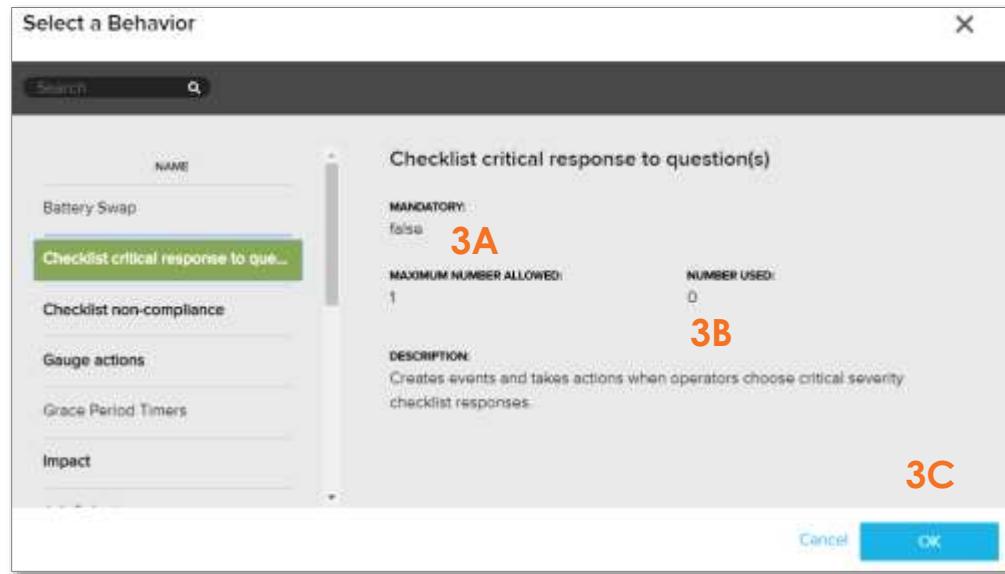
4. Checklist Non-compliance. Click on Name [4A] to see description of Behavior [4B]. Click OK [4C] to add Behavior to Behavior Profile (or Cancel it). For more details on this Behavior, including what you can edit, see Item 7 of Viewing Behavior Details and/or Item 16 of Duplicating/Editing Existing Behavior Profiles.

POWER FLEET®
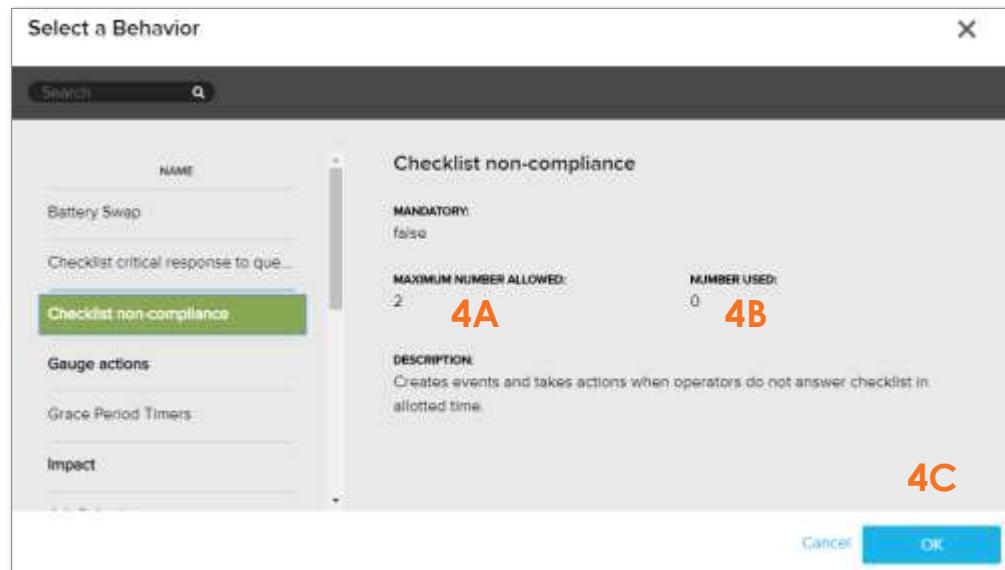
5. Gauge Actions. Click Name [5A] to see description of Behavior [5B]. Click OK [5C] to add this Behavior to the Behavior Profile (or Cancel it).
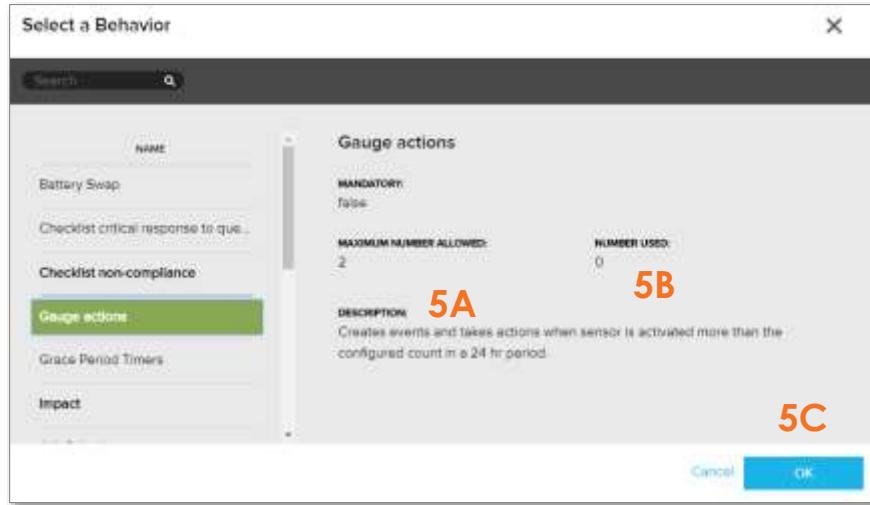
Elements of this Behavior:

- Condition: Choose Low oil pressure or High engine temperature from the first drop-down list [5D], as shown at right. Then, from the second drop-down list [5E], choose the number of times the condition has to occur in a 24-hour period to trigger an alert.

- Vehicle Response: By default, the VAC will display a VAC Icon and sound an Alarm [5F]. You can also choose to Lockout the Vehicle.

- Resolution [5G]: By default, a Master/Maintenance Operator must complete a Checklist to inspect Vehicle. Click Select VAC Checklist [5H] to choose Checklist. For more information on pre-defined "release lockout" Checklists, see Viewing Behavior Details. To duplicate an existing "release lockout" Checklist and modify it for a Gauge Action, see Items 13, 14 and 16 in Duplicating/Editing Existing Behavior Profiles. For more on Checklists in general, see "Assets: Checklists User Guide." Note: If you do NOT want to require a Checklist in response to Behavior, untick VAC checklist completion [5I] (the condition will still be reported).

POWER☒FLEET®

6. Grace Period Timers. Click on Name [6A] to see description of Behavior [6B].

Note: this Behavior is automatically included in all new Behavior Profiles (as noted in Items 3 and 6 in Adding New Behavior Profiles from Scratch), and the Maximum Number Allowed is 1. As a result, the screen shows a message in red type [6C], explaining that you cannot add another Behavior of this type.

Note: The same message will appear any time you try to add a Behavior that is already included the maximum number of times in the Behavior Profile. In these cases, clicking OK will do nothing.
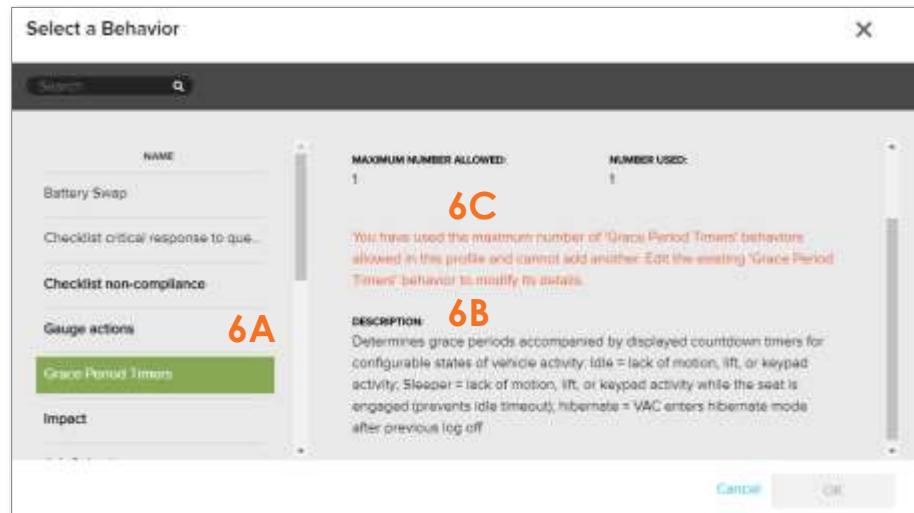
7. Impact. Click on Name [7A] to see description of Behavior [7B]. Click OK [7C] to add Behavior to Behavior Profile (or Cancel it). For more details on this Behavior, including what you can edit, see Item 5 and Item 6 of Viewing Behavior Details and/or Item 14 and Item 15 of Duplicating/Editing Existing Behavior Profiles.

8. Job Selection. Click Name [8A] to see description of Behavior [8B]. Click OK [8C] to add Behavior to the Behavior Profile (or Cancel it).
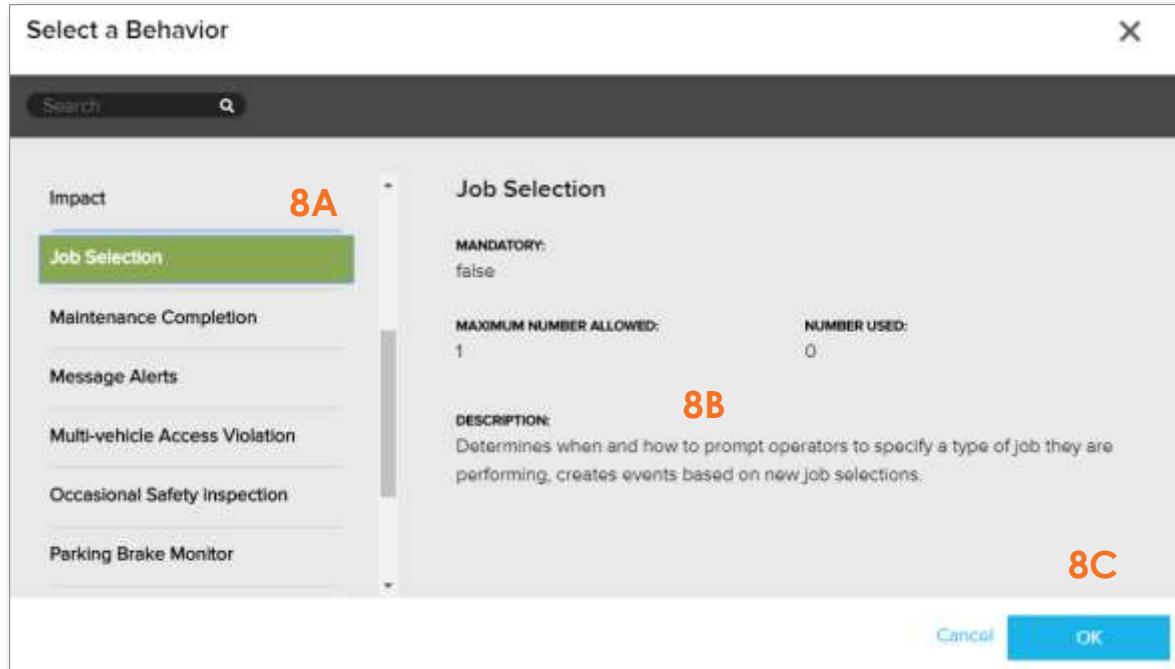
Elements of this Behavior:

- Condition: Choose which Operators have to complete the Job Selection Checklist [8D]. The default selection is Master/Maintenance Operators, but many types of Job Selection tasks can be designed for Standard Operators. Also choose when the VAC will prompt the Job Selection Checklist [8E].

- Vehicle Response: By default, VACs will display a VAC Icon and sound an Alarm [8F]. (You can also choose Vehicle Lockout, but that response is NOT recommended for Job Codes.)

- Resolution: Click Select VAC Checklist [8G] to choose the specific Job Selection Checklist to launch. For full details on this option, see "Job Selection Module User Guide." For more on Checklists in general, see "Assets: Checklists User Guide."

9. Maintenance Completion. Click on Name [9A] to see description of Behavior [9B]. Click OK [9C] to add Behavior to Behavior Profile (or Cancel it). For more details on this Behavior, including what you can edit, see Item 3 of Viewing Behavior Details and/or Item 12 of Duplicating/Editing Existing Behavior Profiles.
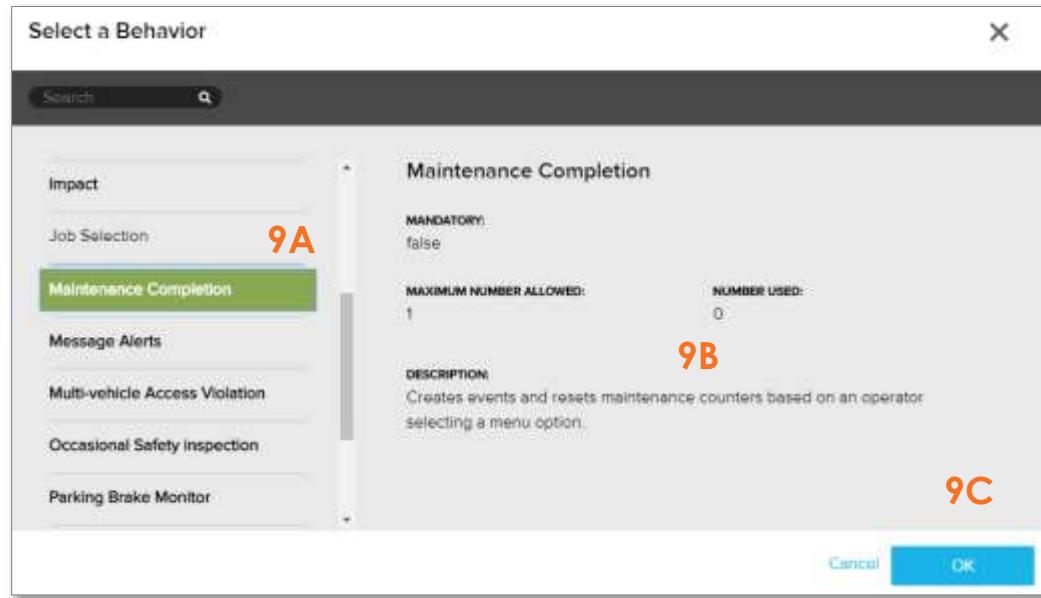
10. Message Alerts. Click Name [10A] to see description of Behavior [10B]. Click OK [10C] to add Behavior to Behavior Profile (or Cancel it). For more details on this Behavior, including what you can edit, see Item 10 of Viewing Behavior Details and/or Item 19 of Duplicating/Editing Existing Behavior Profiles.

POWER🔗FLEET ®
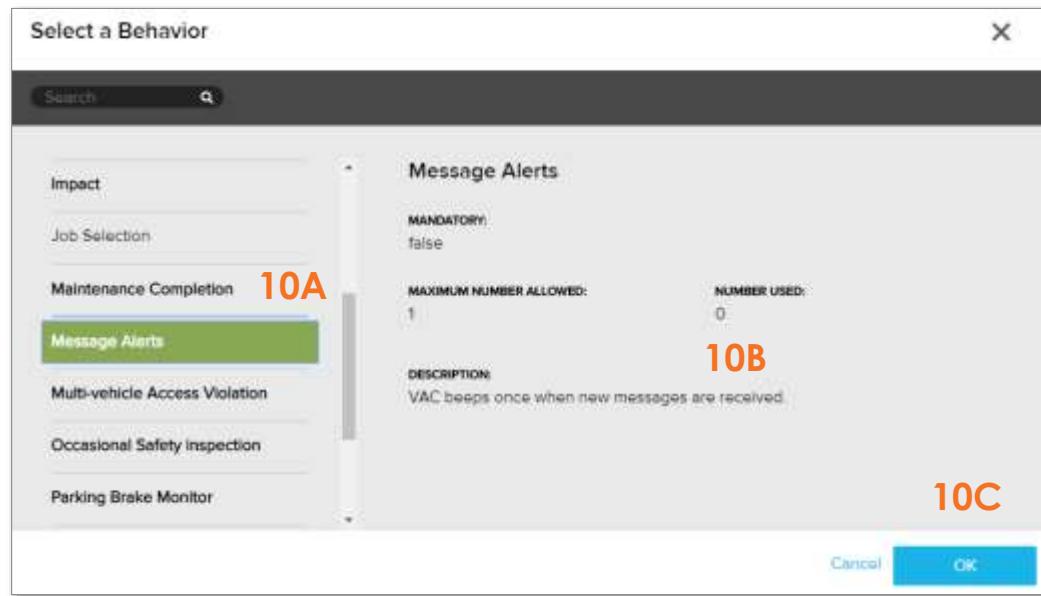
11. Multi-Vehicle Access Violation. Click on Name [11A] to see description of Behavior [11B]. Click OK [11C] to add this Behavior to the Behavior Profile (or Cancel it).

Elements of this Behavior (NOTE: available only if System Settings / Login Options / "Log off when an operator ID is presented while already logged in" is enabled:

- Condition [11D] is pre-defined and not editable.

- Vehicle Response [11E]: By default, the system will deactivate Operators who are in violation of this Behavior and automatically log them off of Vehicles. For IC Vehicles, you can also choose to automatically Shutdown Vehicle engine if it is idling. (If Shutdown box is NOT checked, an IC Vehicle Operator in violation of Behavior will stay logged in until Vehicle's engines is turned off manually.)

- Resolution [11F] is pre-defined and not editable.

POWER FLEET ®

12. Occasional Safety Inspection. Click Name [12A] to see description of Behavior [12B]. Occasional Safety Inspection Checklists are used when periodic inspections of equipment are required (e.g. once per year). Usually, these types of Checklists are performed by a Master or Maintenance Operator rather than a Standard Operator. Click OK [12C] to add this Behavior to the Behavior Profile (or Cancel it).
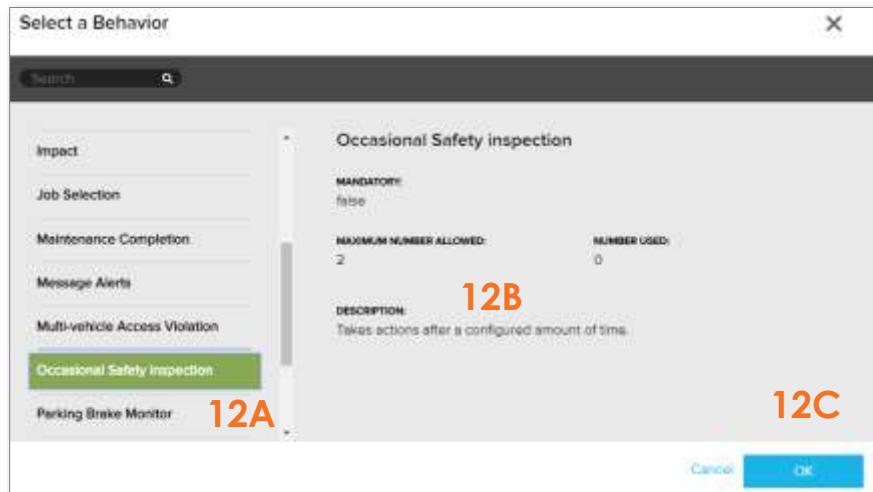
Elements of this Behavior:

- Condition: Choose frequency of inspection from drop-down list [12D], as shown at right. Then choose (as applicable) specific time of day, day of week, month of year, or annual date of inspection [12E]. If you choose frequency of Set number of days or Number of days between checklists, you will be prompted to enter the number, as shown at right.

- Vehicle Response: By default, VACs will display a VAC Icon only [12F]. You can also choose Vehicle Alarm or Lockout.

- Resolution: By default, Master/Maintenance Operators must complete a periodic Checklist [12G]. Change Operator type, if desired, using the drop-down list. Click Select VAC Checklist [12H] to choose the Checklist. For further assistance, see Item 10D in Duplicating/Editing Existing Behavior Profiles and the "Assets: Checklists User Guide."

13. Parking Brake Monitor. Click Name [13A] to see description of the Behavior [13B]. Click OK [13C] to add this Behavior to the Behavior Profile (or Cancel it). The details of this Behavior are not editable [13D].
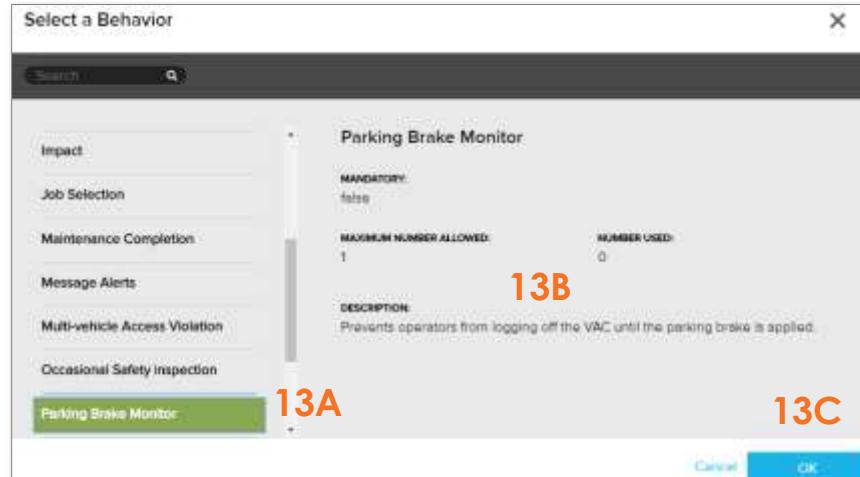
14. Engine Shutdown. Click on Name [14A] to see description of Behavior [14B].

Note: this Behavior is automatically included in all new Behavior Profiles (as noted in Items 3 and 4 in Adding New Behavior Profiles from Scratch), and the Maximum Number Allowed is 1. As a result, the screen shows a message in red type [14C], explaining that you cannot add another Behavior of this type.

Note: The same message will appear any time you try to add a Behavior that is already included the maximum number of times in the Behavior Profile. In these cases, clicking OK will do nothing.
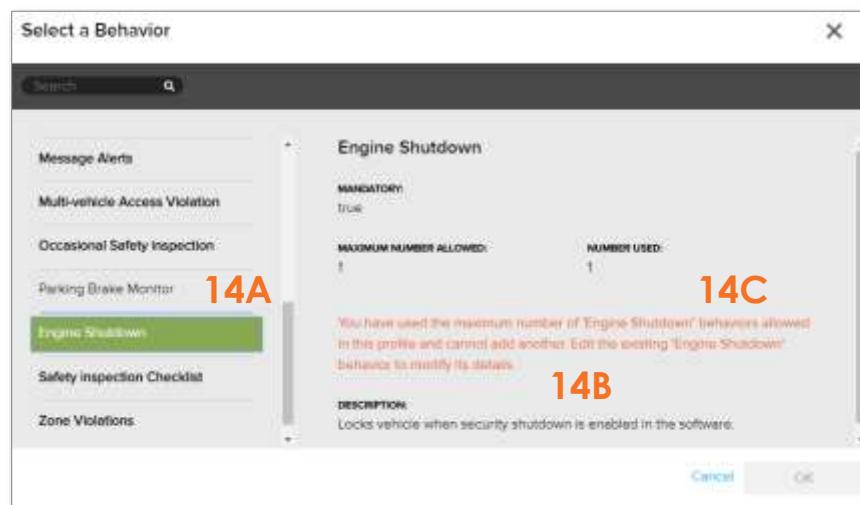
15. Safety Inspection Checklist. Click Name [15A] to see description of Behavior [15B]. Click OK [15C] to add Behavior to Behavior Profile (or Cancel it).

Note: one Safety Inspection Checklist is automatically included in all new Behavior Profiles (as noted in Items 3 and 5 in Adding New Behavior Profiles from Scratch), but you can add an unlimited number of additional Checklists. For more details, see Items 1 and 2 of Viewing Behavior Details and/or Item 10 of Duplicating/Editing Existing Behavior Profiles.

16. Speeding. Click Name [16A] to see description of Behavior [16B]. Click OK [16C] to add Behavior to Behavior Profile (or Cancel it).

Elements of this Behavior:

- Condition: Choose the speed limit and amount of time a vehicle must exceed that limit to trigger an over-speeding event [16D].
- Vehicle Response: By default, VACs will display a VAC Icon, sound an Alarm, and Lockout Vehicle [16E] (the next time Vehicle comes to a complete stop).
- Resolution: By default, Master/Maintenance Operators must complete a Checklist [16F]. Click drop-down list to pick a different Operator type. Click link under Checklist to pick a different Checklist. For more on "release lockout" Checklists, see Viewing Behavior Details. Note: If you do NOT want to require a Checklist untick VAC checklist completion (the condition will still be reported).

17. Zone Violations. Click Name [17A] to see description of Behavior [17B]. Click OK [17C] to add this Behavior to the Behavior Profile (or Cancel it). Choose a pre-defined zone using the Vehicle enters drop-down list [17D]. For more details on this option, see the "Vision Pro Visibility Overview" User Guide.

Saving Newly Added Behaviors

After adding, editing, and arranging the order of all desired Behaviors, save the new Behavior Profile by clicking Save (or cancel all changes by clicking Cancel), using the buttons in the bottom-right corner of screen.

DELETING BEHAVIOR PROFILES

To remove a *custom* Behavior Profile that you *added* to the system, first locate it on the main Behavior Profiles screen [A]. Then, in the Actions column at the end of that Profile's row, click the arrow [B] and select Delete from the drop-down list [C].

A pop-up screen, shown at right, will ask you to confirm the deletion. Click OK to confirm (or click Cancel).

REFRESHING LIST OF BEHAVIOR PROFILES

After adding new/custom Behavior Profiles, you can refresh the list of Behavior Profiles on the main Behavior Profiles screen by clicking Refresh, as shown below.

NOTE: The system will automatically "sync" new Behavior Profiles with the Vehicle-mounted devices (VACs) within about four hours.