

*User Guide*  
*on*  
*ABT Credit Allocation Plan*  
*for MDHD*



NHTSA Version 1.0

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## I. INTRODUCTION

### A. Purpose

This User Guide is designed to provide Medium and Heavy–Duty vehicle manufacturers with simplified instructions on how to use the ABT Credit Allocation Plan Template. This guide is divided into sections based on the individual worksheets within the template; each worksheet has its own corresponding section in this guide. The sections contain a combination of descriptions, screen captures, and step-by-step instructions.

Note: This user guide is a living document. It will be updated concurrently with changes to the template, and as needed to improve its effectiveness.

If you have questions or concerns at any point in the reporting process, send an email to <mailto:CAFE@dot.gov>.

### B. Audience

This guide is developed and distributed for the following audience:

Medium and Heavy–Duty Vehicle Manufacturers

### C. Background

NHTSA under 49 CFR Part 535.9 – Enforcement Approach for Medium and Heavy–Duty Vehicle Fuel Efficiency Program requires vehicle manufacturers to confirm the negative balance and submit a fuel consumption credit plan as specified in §535.7(a) along with supporting documentation indicating how it will allocate existing credits or earn (providing information on future vehicles, engines or technologies), and/or acquire credits, or else be liable for a civil penalty as determined in paragraph (b) of 49 CFR 535.9. The manufacturer must submit the information within 60 days of receiving agency notification.

### D. Design

Manufacturers will complete the confidential version of the template. It contains 5 separate worksheets namely:

1. Data Definitions
2. General Info.
3. ABT Credit Balances
4. ABT Transactions
5. Summary

The template is locked for editing to prevent accidental changes to formulas and calculation methodologies; however, General Info., ABT Credit Balances and ABT Transactions worksheets have cells that permit users to enter data. Generally, cells with no fill and blue bolded font are available for users to enter data. These cells can consist of either an empty field or a field that contains a dropdown list of available values. Cells with grey and yellow fill with black text will be populated based on information the user has entered elsewhere in the template.

## II. WORKSHEETS

### A. Data Definitions

The template commences with the Data Definitions tab. This worksheet provides the user with the worksheet, location, source, data type/format, data definition/description, and regulatory citation for each data field within the template. The Data Definitions worksheet is a guide that users can reference when completing the template.

### B. General Info

This worksheet is where users inform NHTSA of general information about the submission, like manufacturer, model year, and date of submission. Users will also enter contact information for the point of contact including; name, title, company, and address of the agent designated by the manufacturer.

United States Department of Transportation National Highway Traffic Safety Administration MDHD Credit Plan and Transaction Template		
Manufacturer Averaging, Banking, and Trading Report for Heavy-Duty Engines (49 CFR Part 535) Last Revision: August 2020 Version Number 2.0		
<b>SECTION 1: General Information</b>		
Manufacturer (Select Manufacturer)	Model Year (select Model Year)	Date (mm/dd/yyyy)
<b>SECTION 2: Point of Contact</b>		
Full Name	Title	Department
Company	Street Address 1	Street Address 2
City / Town	State / Locality / Jurisdiction	Zip Code / Postal Code
Country	Phone Number	Email Address

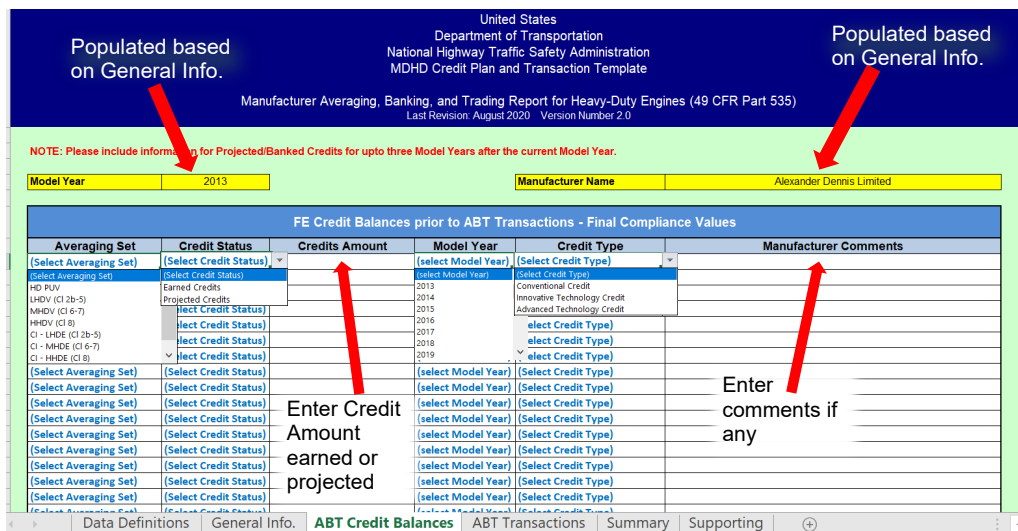
Step 1: Select Manufacturer and Model Year from the dropdown menu and enter Date of Submission.

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Manufacturer Averaging, Banking, and Trading Report for Heavy-Duty Engines (49 CFR Part 535) Last Revision: August 2020 Version Number 2.0		
<b>SECTION 1: General Information</b>		
Manufacturer (Select Manufacturer) Alexander Dennis Limited Blue Bird Body Company BYD Motors Capacity of Texas Inc. Chang Energy, Inc. Cummins Inc. Daimler Trucks North America	Model Year (select Model Year)	Date (mm/dd/yyyy)
	Title	Department
Company	Street Address 1	Street Address 2
City / Town	State / Locality / Jurisdiction	Zip Code / Postal Code
Country	Phone Number	Email Address

Step 2: Provide information for Point of Contact.

### C. ABT Credit Balances

This worksheet requires the user to specify for each averaging set, the credit type and the amount of earned and projected (or banked) credits for the required model year. As per the regulations, manufacturers are required to submit the projected credits for three future model years. The yellow cells with black text will populate based on information provided in the General Info. sheet. There is dropdown list for averaging set, credit status, model year and credit type. User needs to enter the credit amount in whole number. Any comments can be added under manufacturer comments.



### D. ABT Transactions

This worksheet requires the user to specify the transactions they made or intend to make. For Advanced Technology Credits the transactions can be made between different averaging sets while for Conventional Credits and Innovative Technology Credits, the transaction can only be made within each averaging set.

The user needs to enter the credits they want to use for transaction. Select the Credit Type from the dropdown list. Once Credit Type is selected, select the Transaction Type from the dropdown menu which is dependent on the Credit Type selection. The list options for Transaction Type will change based on the selected Credit Type. User needs to select Manufacturer, Model Year and Averaging Set from which they want to make the transaction. Once selected, user needs to select Manufacturer, Model Year and Averaging Set to which they want to make the transaction.

User needs to specify all the incoming and outgoing Trades. For Transfer of ADV Credits and Applied Banked Credits, user needs to specify all incoming transaction which will in turn populate outgoing transactions in the grey cells with black text.

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 Manufacturer Averaging, Banking, and Trading Report for Heavy-Duty Engines (49 CFR Part 535)  
 Last Revision: August 2020 Version Number 2.0

Account from which transactions will be made      Account to which transactions will be made

2013 Alexander Dennis Limited

**FE Credits Transactions**  
 (Trades, Transfers of ADV Credits and Application of Banked Credits to a Current Averaging Set Deficit)

# CREDITS	Credit Type	Transaction Type	FROM			TO			Manufacturer Comments
			Manufacturer	Model Year	Averaging Set	Manufacturer	Model Year	Averaging Set	
	(Select Credit Type)	(select Transaction Type)	(select Manufacturer)	(select Model Year)	(select Averaging Set)	(select Manufacturer)	(select Model Year)	(select Averaging Set)	
	(Select Credit Type)	(select Transaction Type)	(select Manufacturer)	(select Model Year)	(select Averaging Set)	(select Manufacturer)	(select Model Year)	(select Averaging Set)	
	Conventional Credit	Trade In	Alexander Dennis Limited	2013	MCPM	act Manufacturer	(select Model Year)	(select Averaging Set)	
	Advanced Technology Credit	Trade Out	Blue Bird Body Company	2014	MDV (D2-8-9)	act Manufacturer	(select Model Year)	(select Averaging Set)	
	(Select Credit Type)	Applied/Banked Credit (in)	BYD Motor	2016	MDV (D1-7)	act Manufacturer	(select Model Year)	(select Averaging Set)	
	(Select Credit Type)	Period Credit	Casehill of Texas Inc.	2016	MDV (D1-8)	act Manufacturer	(select Model Year)	(select Averaging Set)	
	(Select Credit Type)	Export Credit	Chang Ewang, Inc.	2017	CI-LMDV (D2-9-8)	act Manufacturer	(select Model Year)	(select Averaging Set)	
	(Select Credit Type)	Free Appraisal	Comet Inc.	2018	CI-LMDV (D1-9)	act Manufacturer	(select Model Year)	(select Averaging Set)	
	(Select Credit Type)	(SELECT TRANSACTION TYPE)	Comer Trucks North America	2019	CI-LMDV (D1-8)	act Manufacturer	(select Model Year)	(select Averaging Set)	
	(Select Credit Type)	(select Transaction Type)	(select Manufacturer)	(select Model Year)	(select Averaging Set)	(select Manufacturer)	(select Model Year)	(select Averaging Set)	Enter comments if any
	(Select Credit Type)	(select Transaction Type)	(select Manufacturer)	(select Model Year)	(select Averaging Set)	(select Manufacturer)	(select Model Year)	(select Averaging Set)	
	(Select Credit Type)	(select Transaction Type)	(select Manufacturer)	(select Model Year)	(select Averaging Set)	(select Manufacturer)	(select Model Year)	(select Averaging Set)	
	(Select Credit Type)	(select Transaction Type)	(select Manufacturer)	(select Model Year)	(select Averaging Set)	(select Manufacturer)	(select Model Year)	(select Averaging Set)	
	(Select Credit Type)	(select Transaction Type)	(select Manufacturer)	(select Model Year)	(select Averaging Set)	(select Manufacturer)	(select Model Year)	(select Averaging Set)	
	(Select Credit Type)	(select Transaction Type)	(select Manufacturer)	(select Model Year)	(select Averaging Set)	(select Manufacturer)	(select Model Year)	(select Averaging Set)	
	(Select Credit Type)	(select Transaction Type)	(select Manufacturer)	(select Model Year)	(select Averaging Set)	(select Manufacturer)	(select Model Year)	(select Averaging Set)	
	(Select Credit Type)	(select Transaction Type)	(select Manufacturer)	(select Model Year)	(select Averaging Set)	(select Manufacturer)	(select Model Year)	(select Averaging Set)	

Populate outgoing Credits (except Trade Out) based on transactions entered above in the white cells with blue text

Data Definitions | General Info. | ABT Credit Balances | **ABT Transactions** | Summary | Supporting

**E. Summary**

The Summary worksheet aggregates all the required final values into a single location. The manufacturer and model year are all found at the top of the worksheet. The Model Year for which the ABT Credit Allocation Plan is submitted will be highlighted in blue to differentiate from other Model Years. These fields are populated based on user responses in the General Info worksheet. The remaining data will populate based on the user entered data in ABT Credit Balances and ABT Transactions worksheets.