

General Service Bulletin (GSB):	Historical Powertrain Diagnostic Trouble Codes
GSB Overview:	This bulletin explains historical DTCs.
NOTE: This information is not intended to replace or supersede any warranty, parts and service policy, Work Shop Manual (WSM) procedures or technical training or wiring diagram information.	

# Historical Powertrain Diagnostic Trouble Codes (DTC)

## Overview and Summary



# Historical Powertrain DTCs

- What is a historical DTC?
- How should historical DTCs be used?
- Which vehicles are involved?

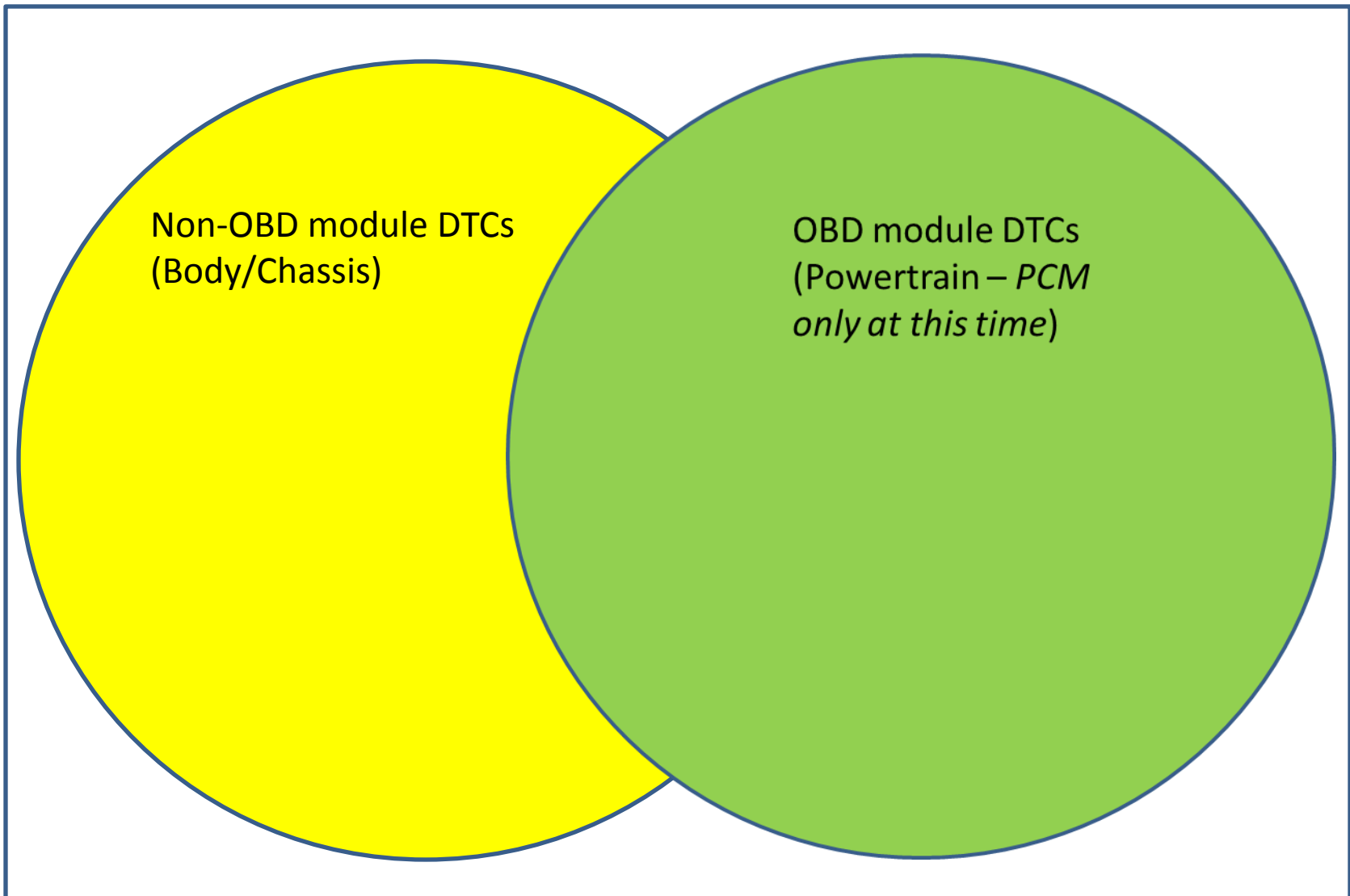
# Historical Powertrain DTCs

## **What is a historical DTC and how does it compare to other DTCs?**

- The following slides will construct a diagram which answers this question.
- Imagine every different type of diagnostic trouble code and an empty box where they could be organized.

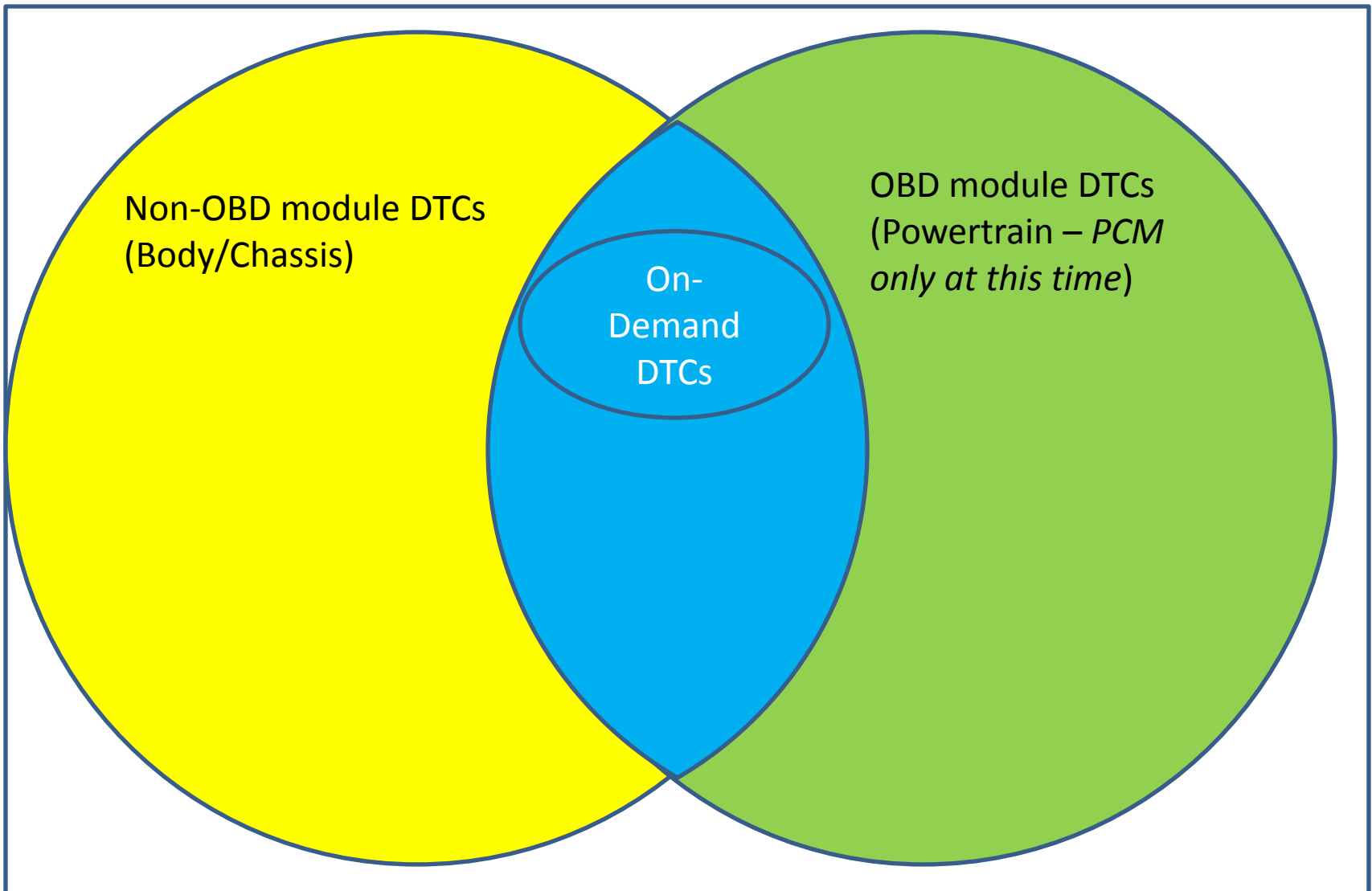
# Historical Powertrain DTCs

## All Diagnostic Trouble Codes



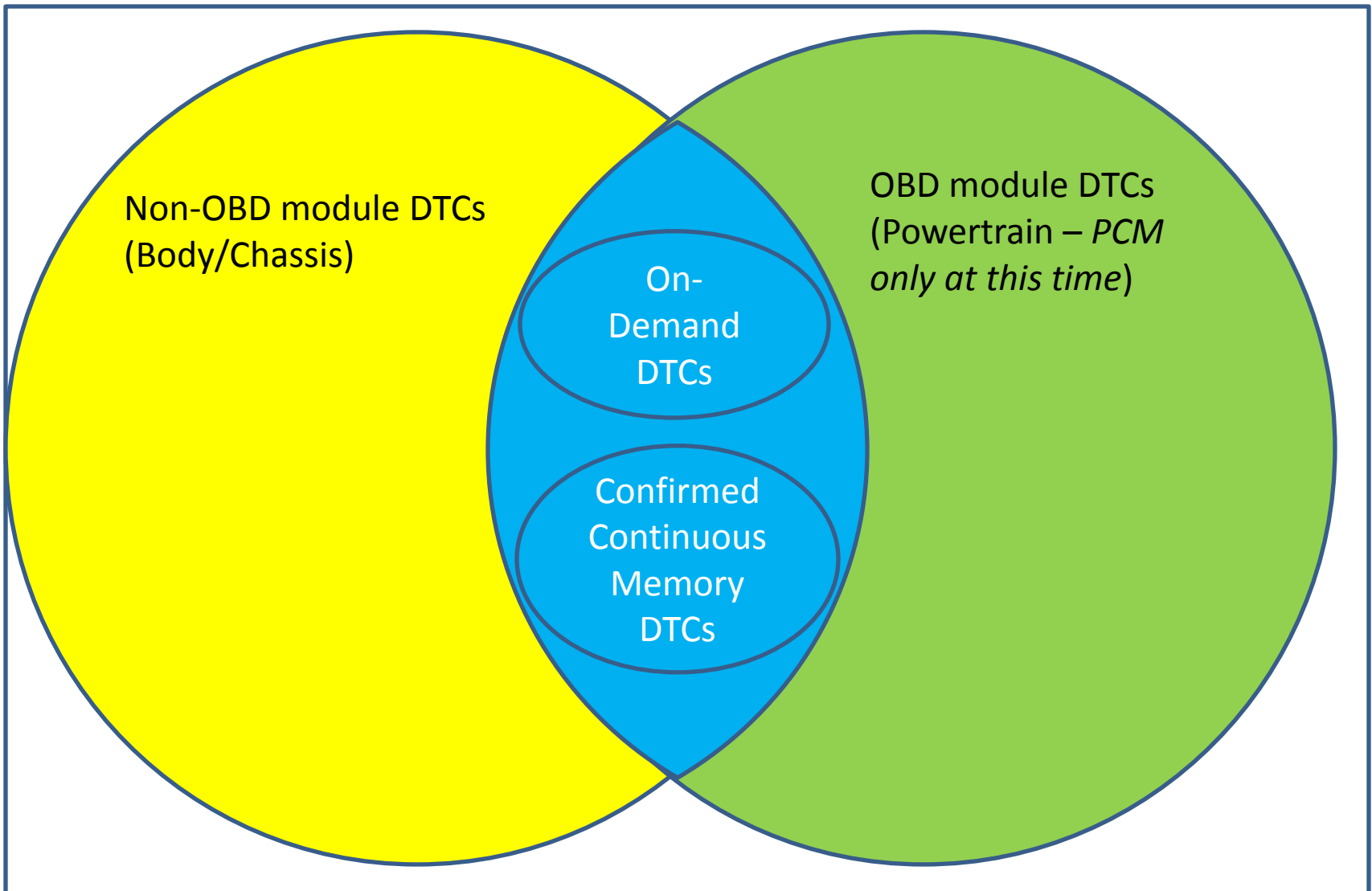
# Historical Powertrain DTCs

## All Diagnostic Trouble Codes



# Historical Powertrain DTCs

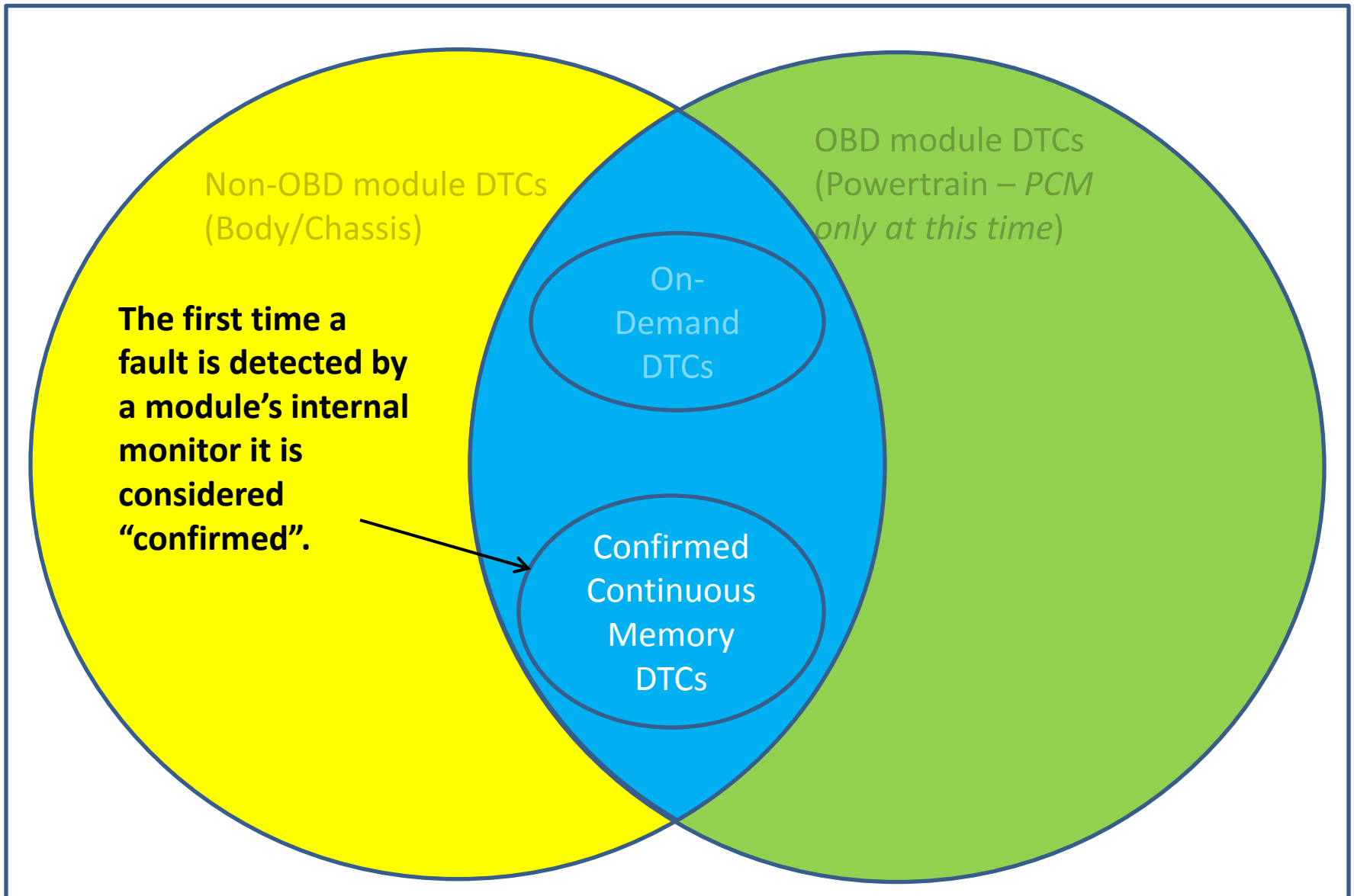
## All Diagnostic Trouble Codes



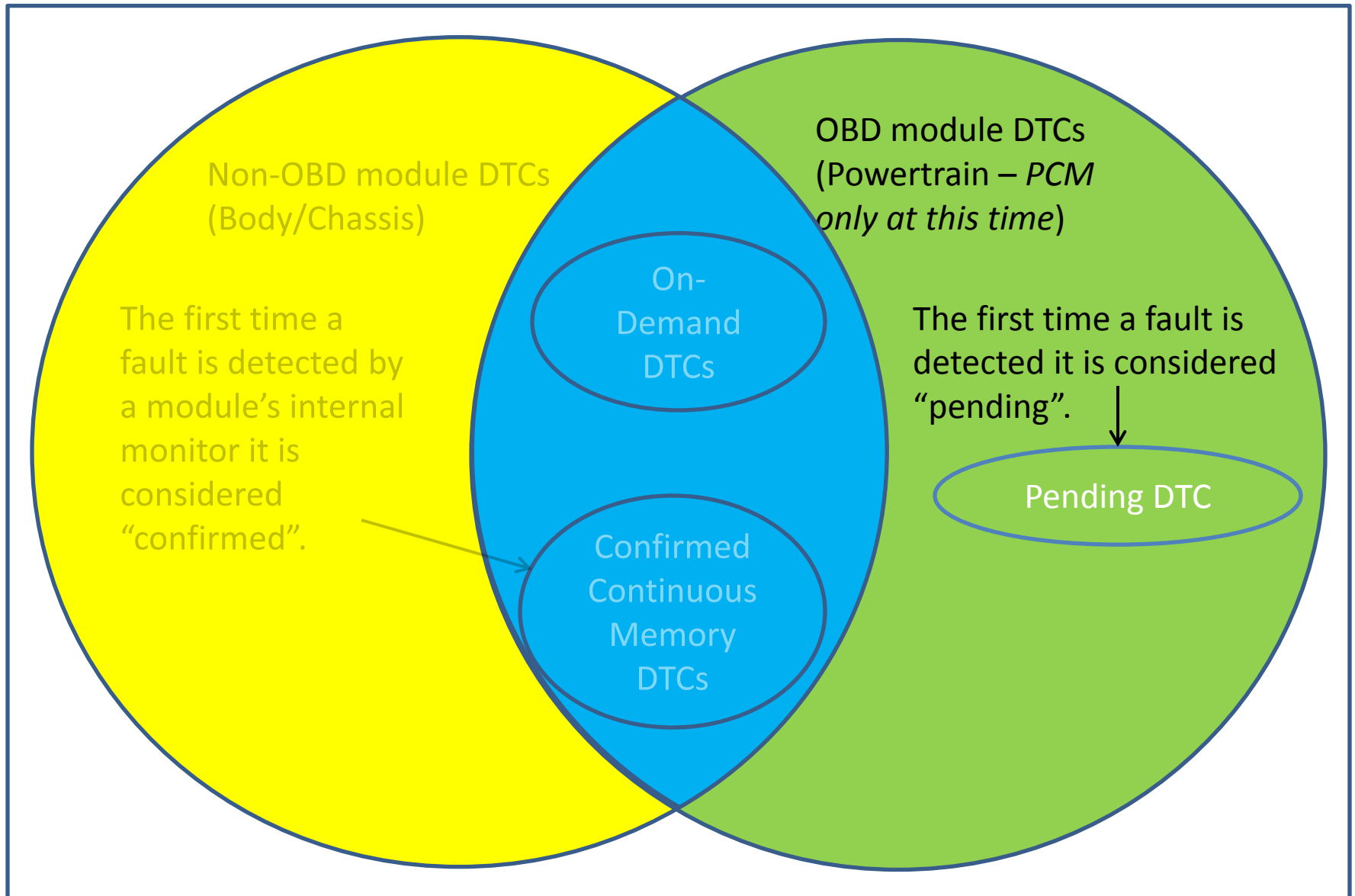
# Historical Powertrain DTCs

**What exactly is a confirmed continuous memory DTC?**

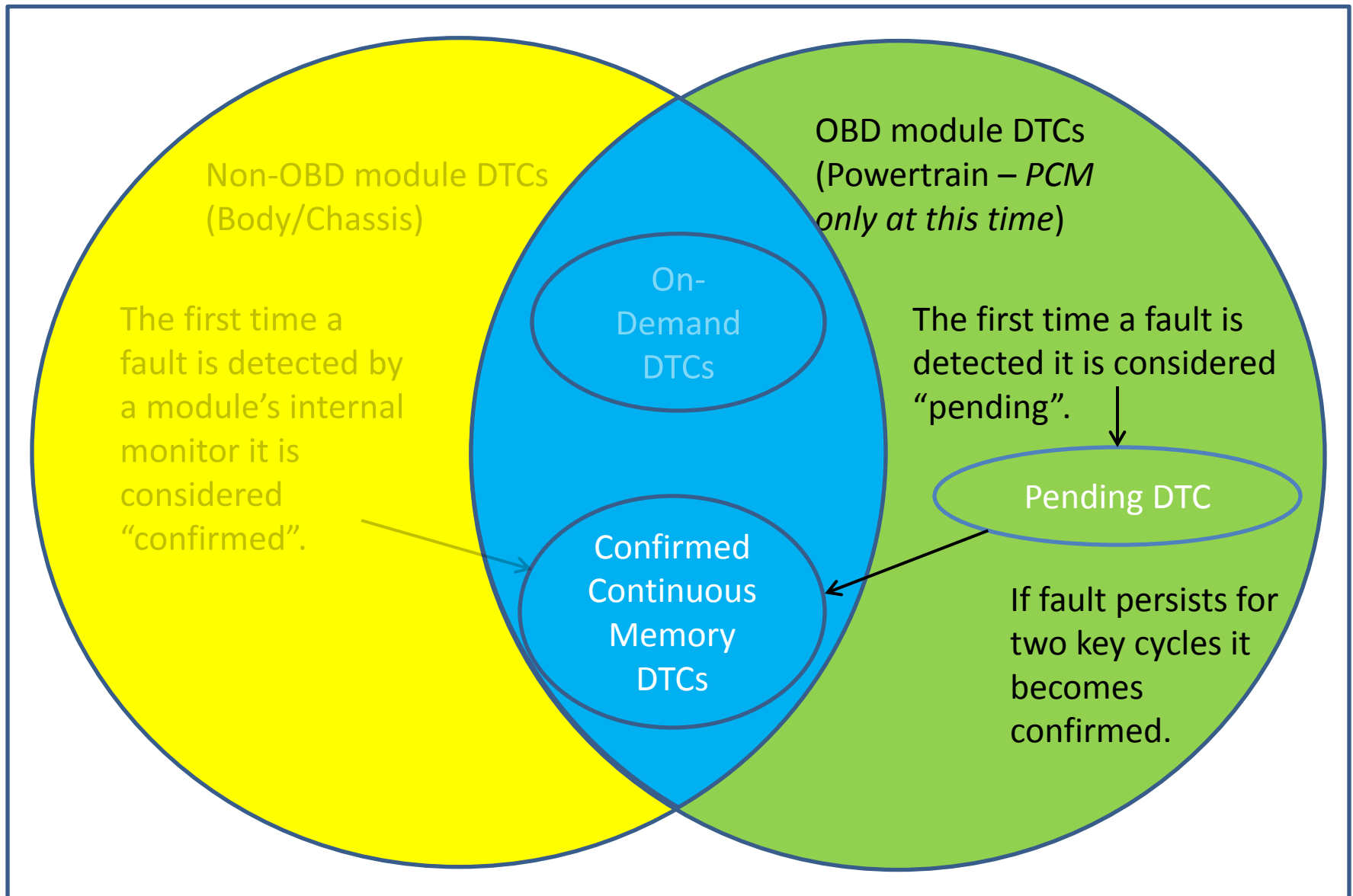
# Historical Powertrain DTCs



# Historical Powertrain DTCs



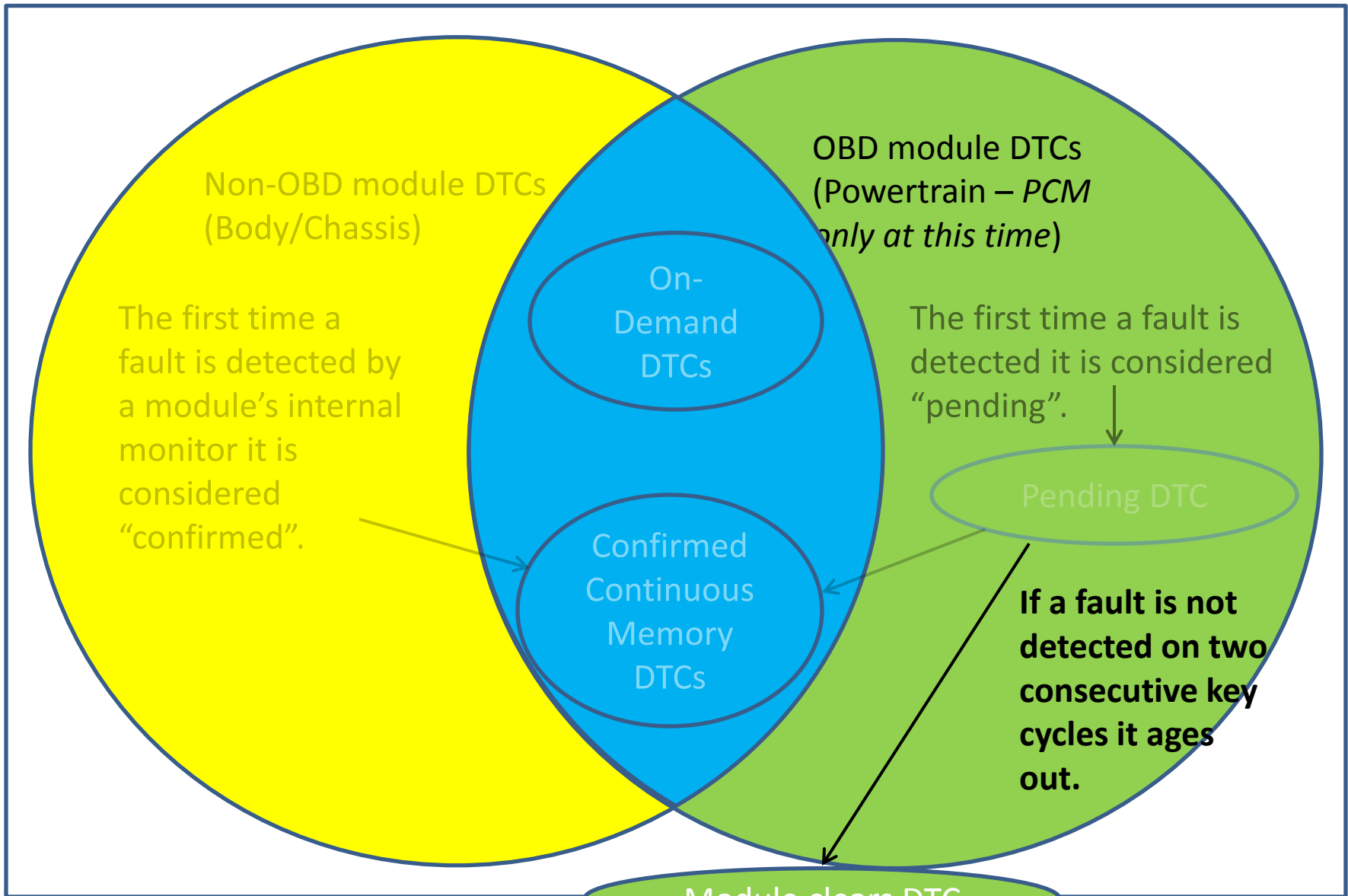
# Historical Powertrain DTCs



# Historical Powertrain DTCs

**What if the fault doesn't persist for two key cycles?**

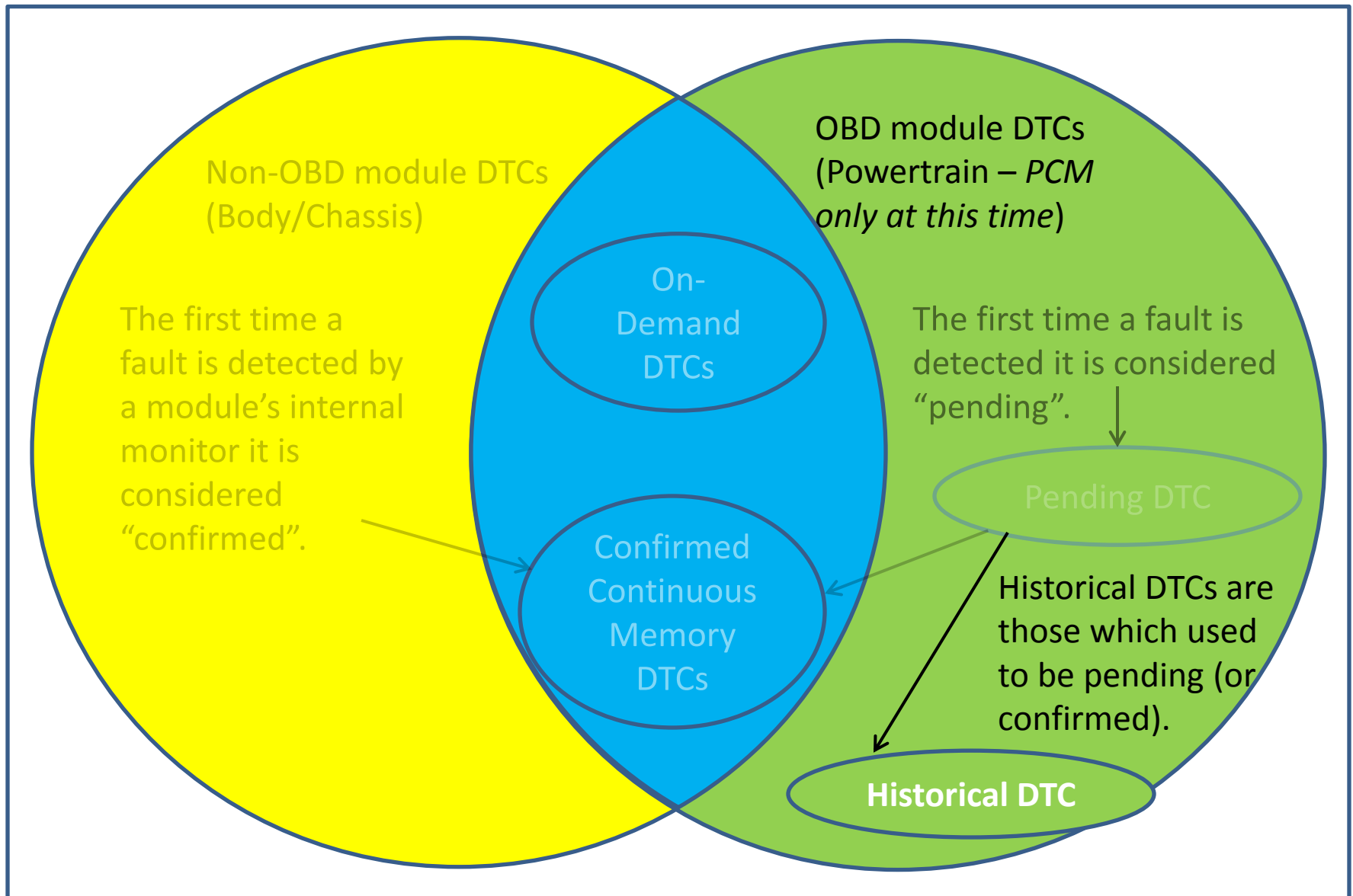
# Historical Powertrain DTCs



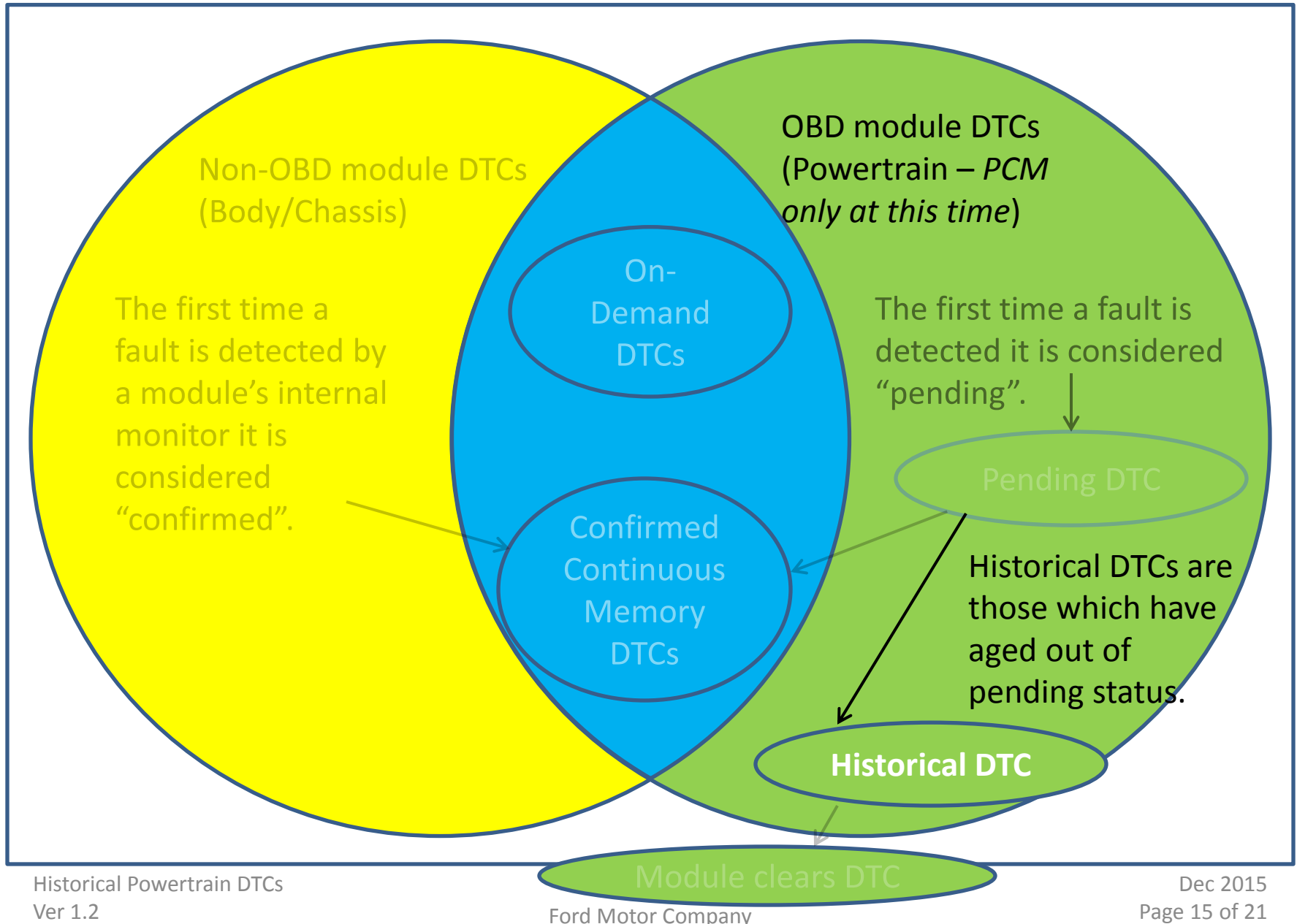
# Historical Powertrain DTCs

**Historical DTCs:  
Temporarily retain aged out DTCs for  
diagnostics**

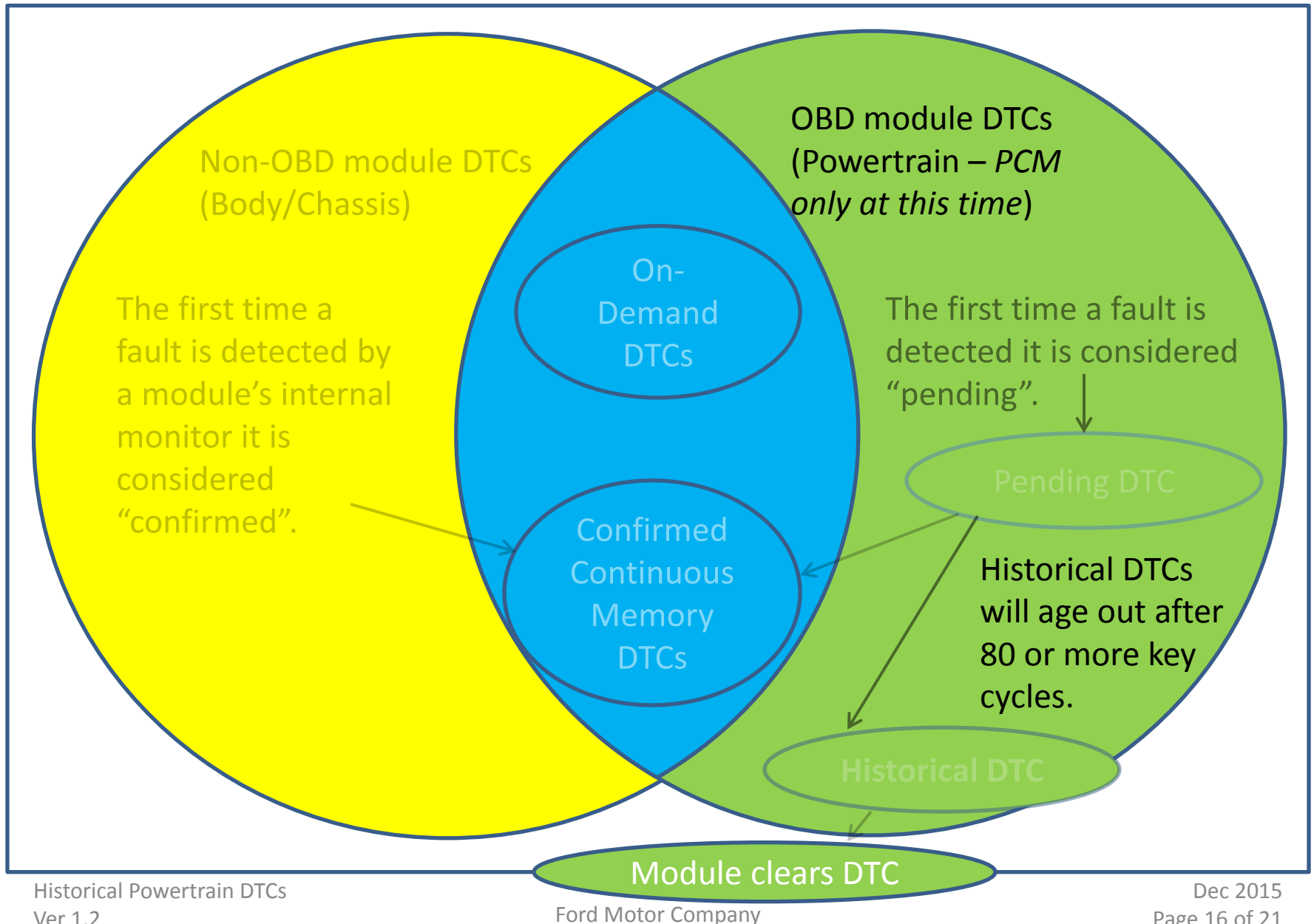
# Historical Powertrain DTCs



# Historical Powertrain DTCs

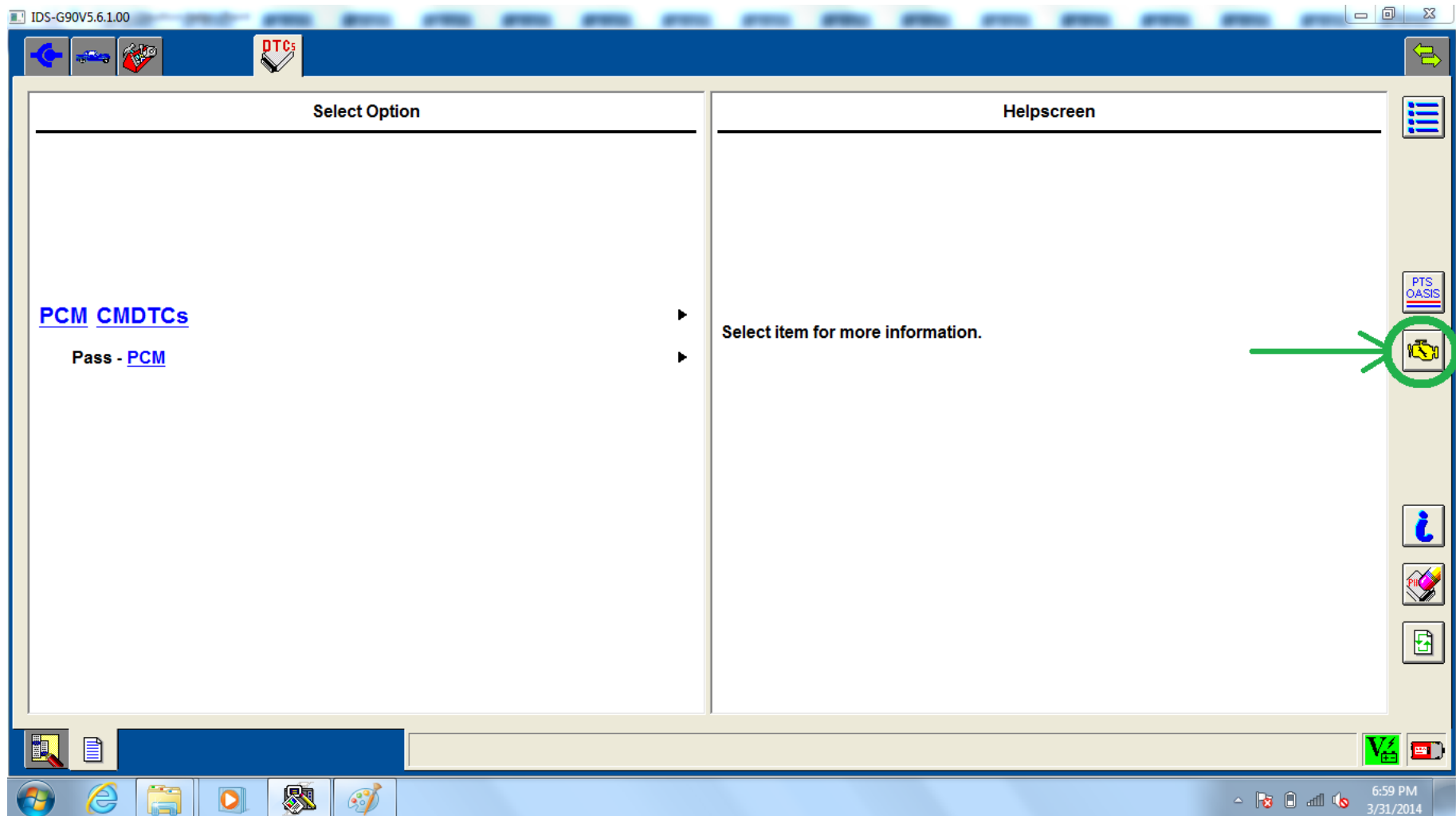


# Historical Powertrain DTCs



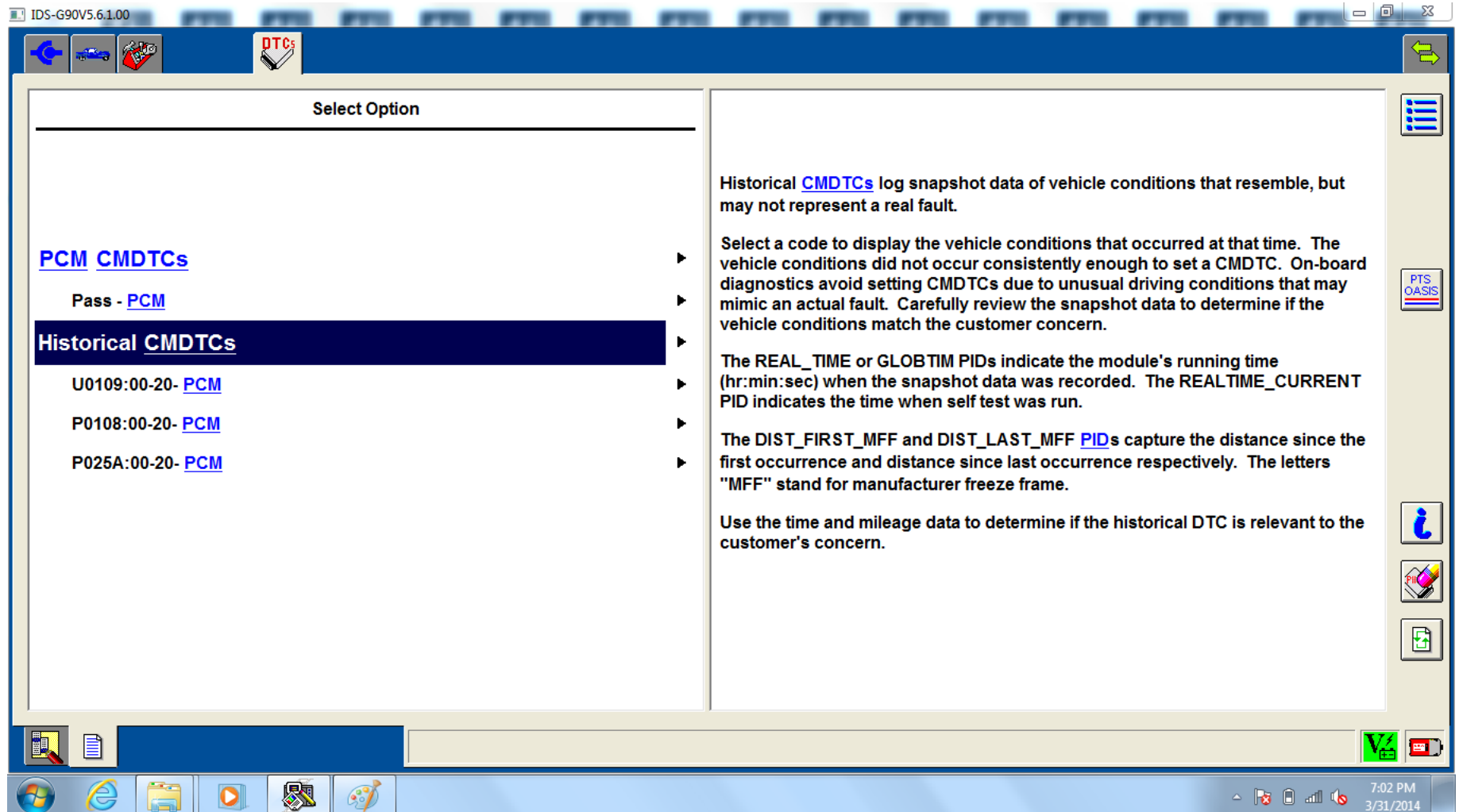
# Historical Powertrain DTCs

## How can historical DTCs be retrieved?



# Historical Powertrain DTCs

## Description of historical DTCs



# Historical Powertrain DTCs

## Time and Mileage PIDs

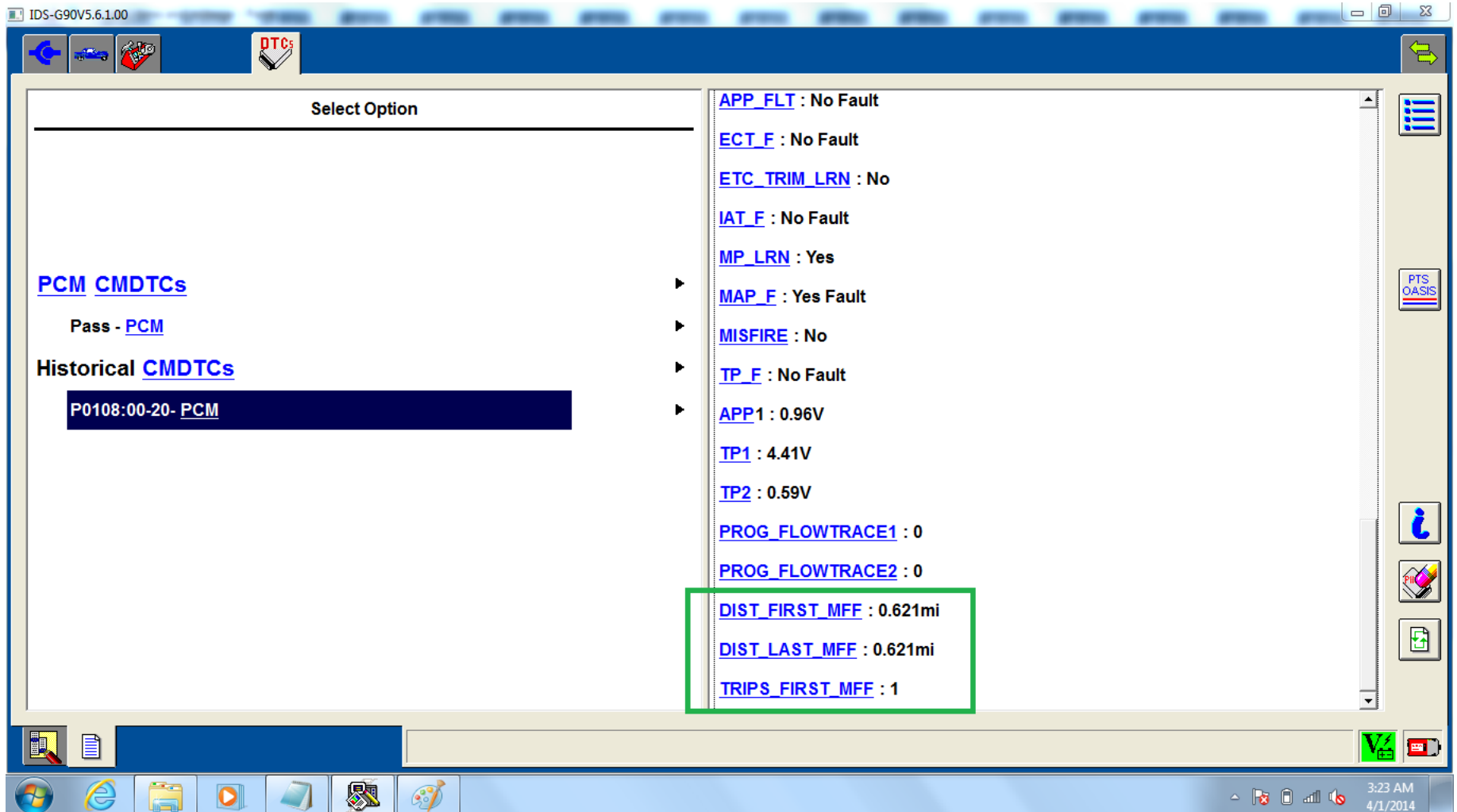
The screenshot displays the IDS-G90V5.6.1.00 software interface. The left pane, titled 'Select Option', shows a tree view with 'PCM CMDTCs' expanded, 'Pass - PCM' selected, and 'Historical CMDTCs' expanded. A specific DTC, 'P0108:00-20- PCM', is highlighted. The right pane, titled 'Powertrain Control Module', displays details for DTC P0108:

- Description - P0108**
  - [MAP/BARO](#) Sensor High Input
- Failure Type - 00**
  - No Additional Failure Type Information for this [DTC](#)
- Status - 20 (Not Current [DTC](#))**
  - Fault previously detected, not currently present.
- SnapshotData**
- Trigger Event :**
  - The last time that a system malfunction was detected.
- REALTIME CURRENT :** 7890:35:40
- REALTIME :** 7890:28:20
- DIST\_TOT\_VEH :** 1114.743mi
- FUELSYS :** Closed Loop
- LOAD :** 42.35%

The 'REALTIME CURRENT', 'REALTIME', and 'DIST\_TOT\_VEH' values are highlighted with a green box. The Windows taskbar at the bottom shows the time as 3:22 AM on 4/1/2014.

# Historical Powertrain DTCs

## Distance since \_\_\_\_\_ PIDS



# Historical Powertrain DTCs

Vehicles which  
Report Historical  
DTCs

Vehicle	Engine	Model Year			
		2013	2014	2015	2016
Fiesta	all	N	Y	Y	Y
C-Max	all	Y	Y	Y	Y
Focus	all except BEV	Y	Y	Y	Y
MKC	all			Y	Y
Escape	1.6L	Y	Y	Y	Y
Escape	2.0L	Y	Y	Y	Y
Escape	2.5L	N	N	N	N
Fusion/MKZ	all	Y	Y	Y	Y
Taurus/MKS	all	Y	Y	Y	Y
Flex/MKT	all	Y	Y	Y	Y
Econoline	6.8L only	Y	Y	Y	Y
F150	all	N	N	Y	Y
F250-550	6.2L	N	N	N	N
F250-550	6.7L	N	N	N	N
F250-550	6.8L	Y	Y	Y	Y
F53	6.8L	Y	Y	Y	Y
F650-750	6.8L only	Y	Y	Y	Y
Expedition/Navigator	all	N	N	Y	Y
Edge	all	N	N	Y	Y
MKX	all	N	N	N	Y
Explorer	2.0L	N	N	N	N
Explorer	2.3L				Y
Explorer	3.5L PFI	Y	Y	Y	Y
Explorer	3.5L GTDI	Y	Y	Y	Y
Explorer	3.7L	Y	Y	Y	Y
Transit Connect	all	N	Y	Y	Y
Transit	3.5L GTDI			Y	Y
Transit	3.7L			Y	Y
Transit	3.2L			N	N
Mustang	all	N	N	Y	Y