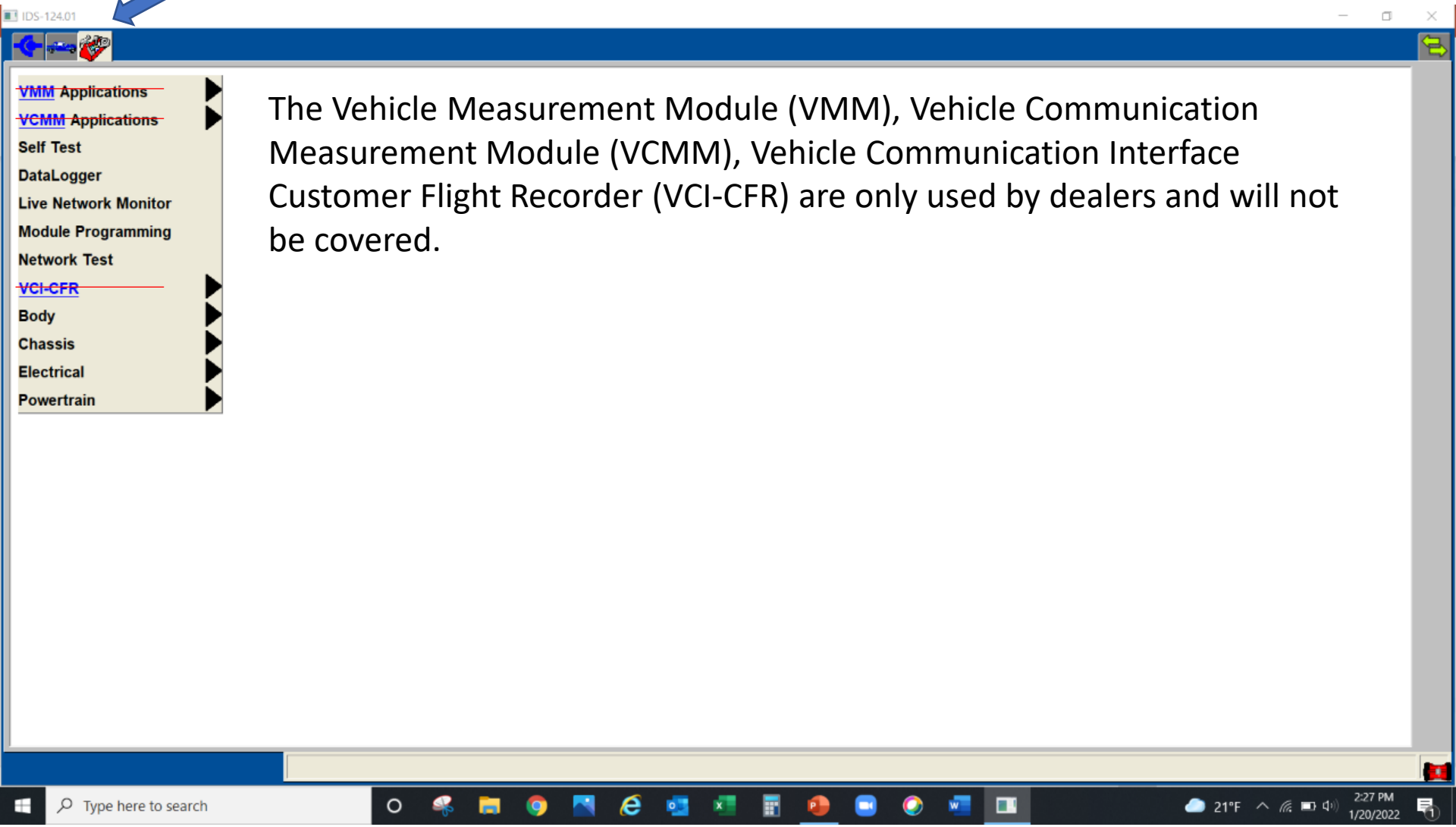
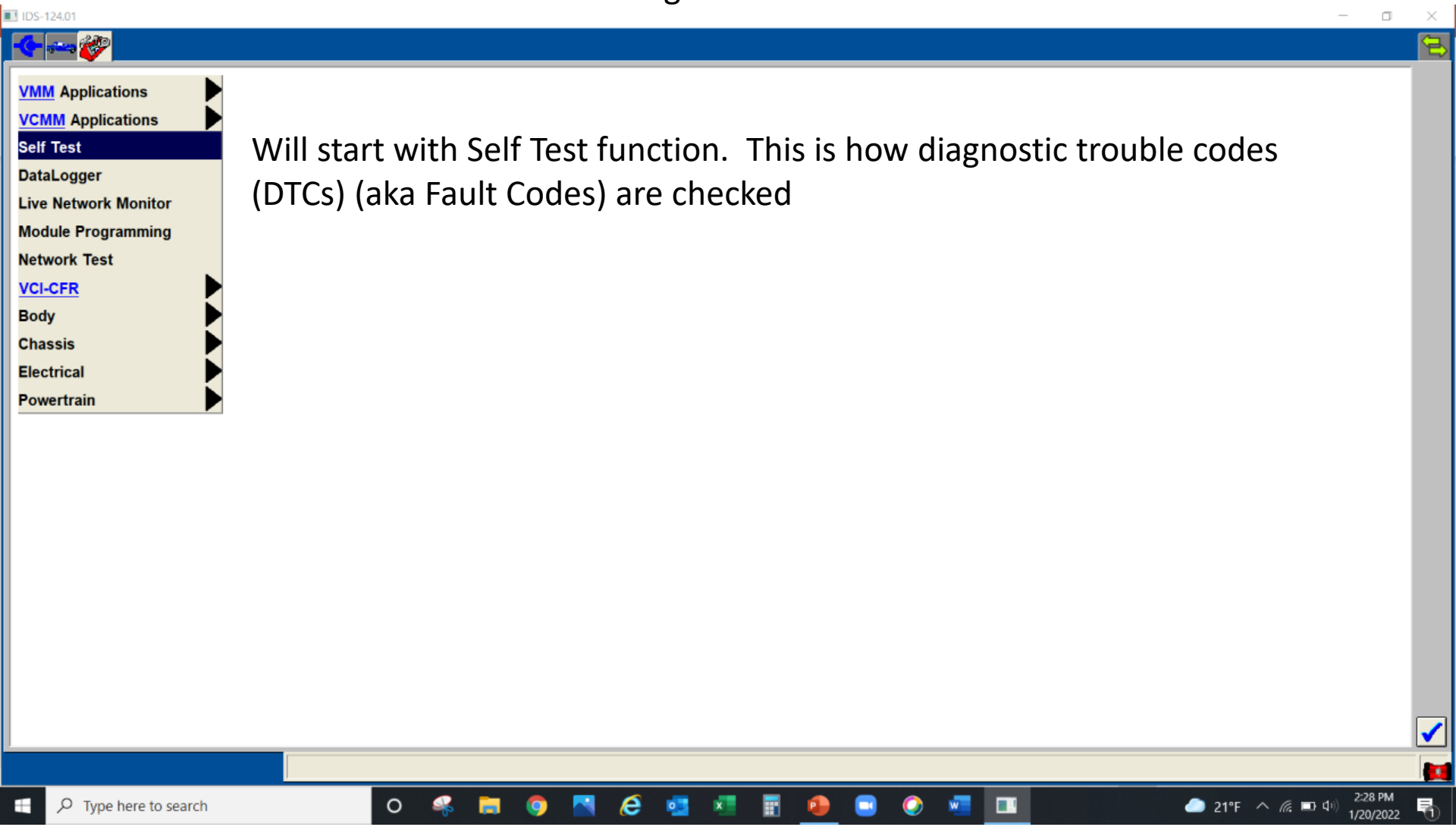
Ford F59 & F650 IDS **Toolbox** Screen Shots for Training

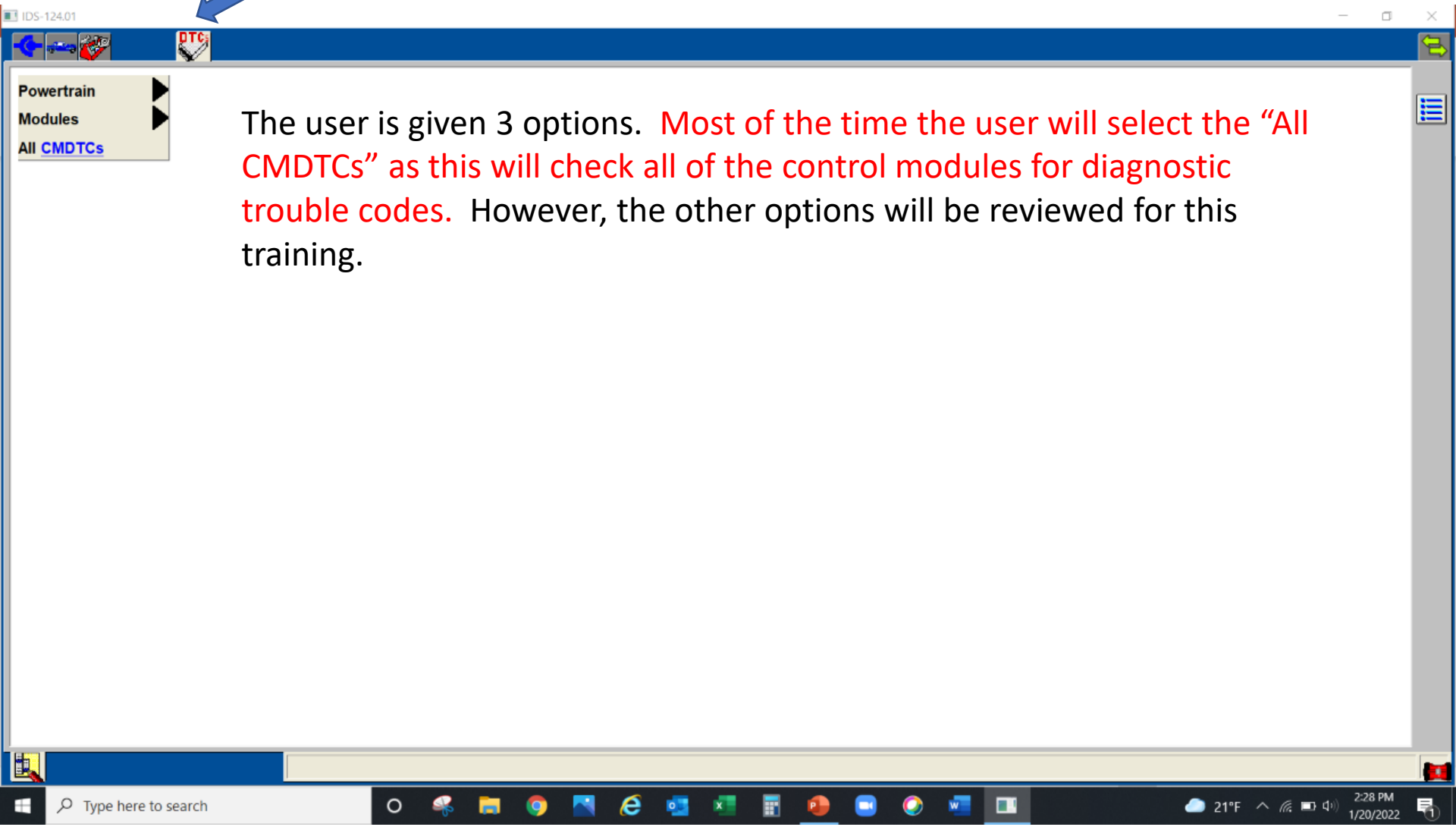
Model Year 2022 F59 & F650 screen shots shown.
Some content not available for earlier model years.


Toolbox tab
IDS-124.01
VMM Applications
VCMM Applications
Self Test
DataLogger
Live Network Monitor
Module Programming
Network Test
VCI-CFR
Body
Chassis
Electrical
Powertrain
The Vehicle Measurement Module (VMM), Vehicle Communication Measurement Module (VCMM), Vehicle Communication Interface Customer Flight Recorder (VCI-CFR) are only used by dealers and will not be covered.
Type here to search
21°F
2:27 PM
1/20/2022

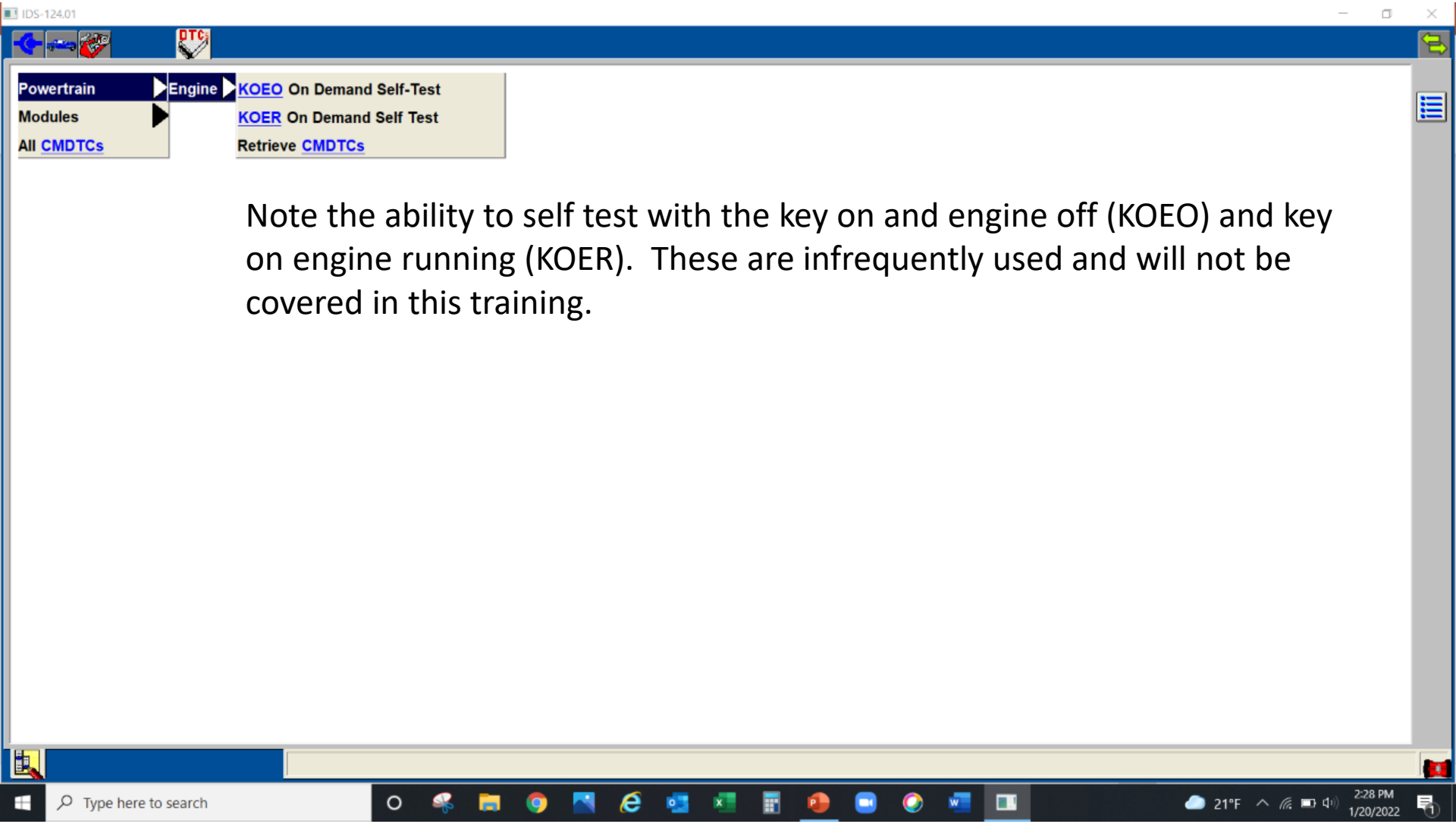
Checking Fault Codes



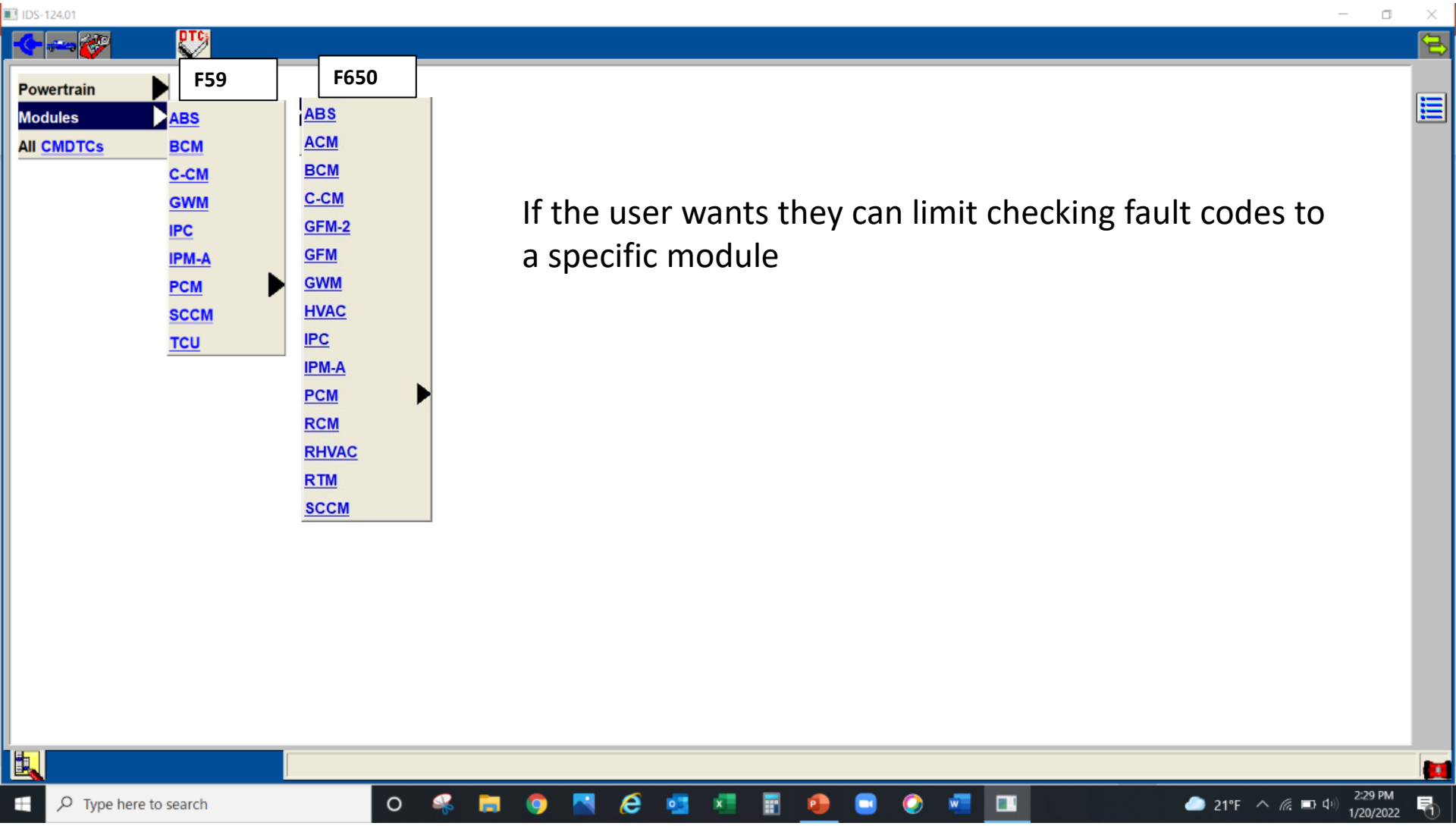
Note “DTC” tab opens



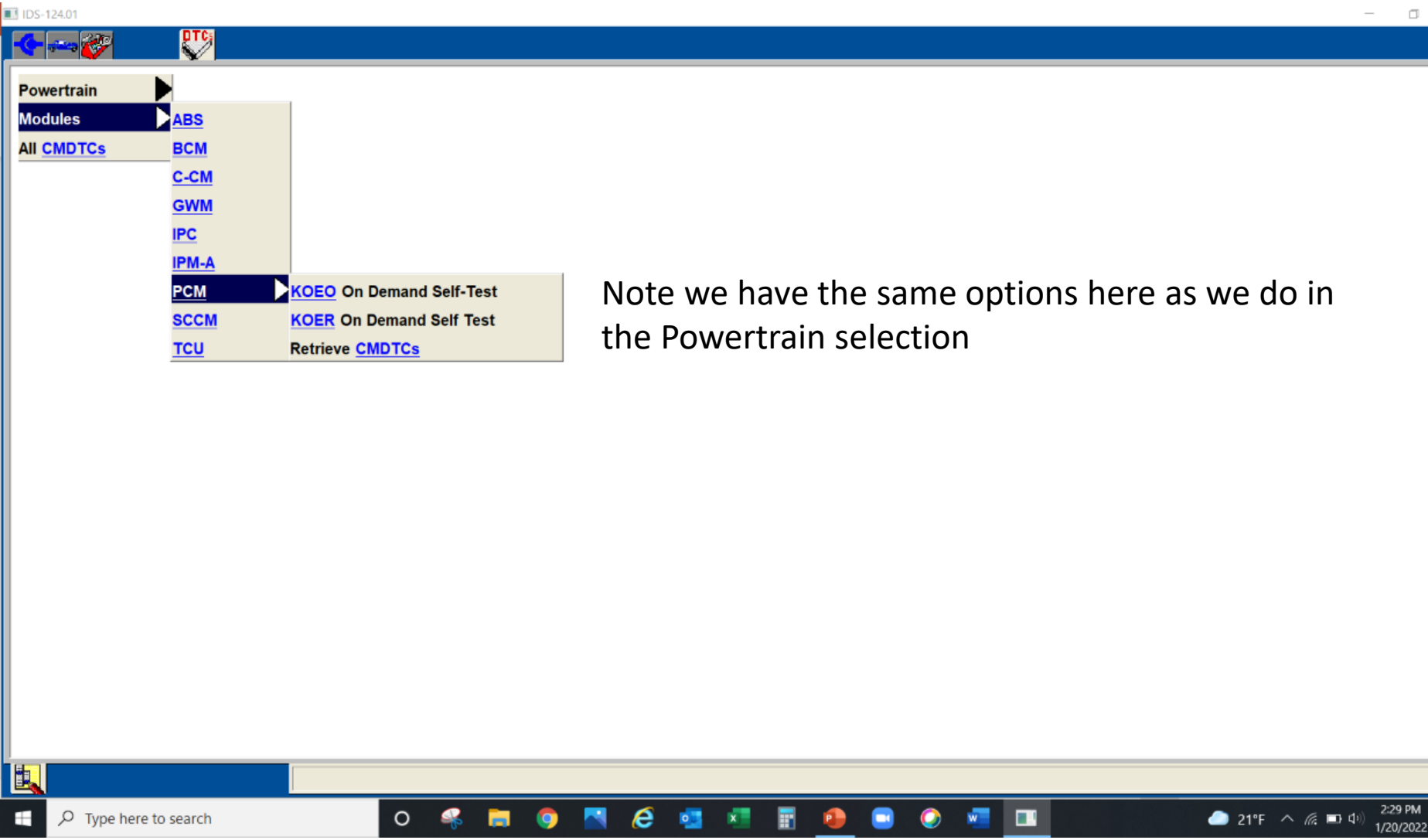
The user is given 3 options. Most of the time the user will select the “All CMDTCs” as this will check all of the control modules for diagnostic trouble codes. However, the other options will be reviewed for this training.



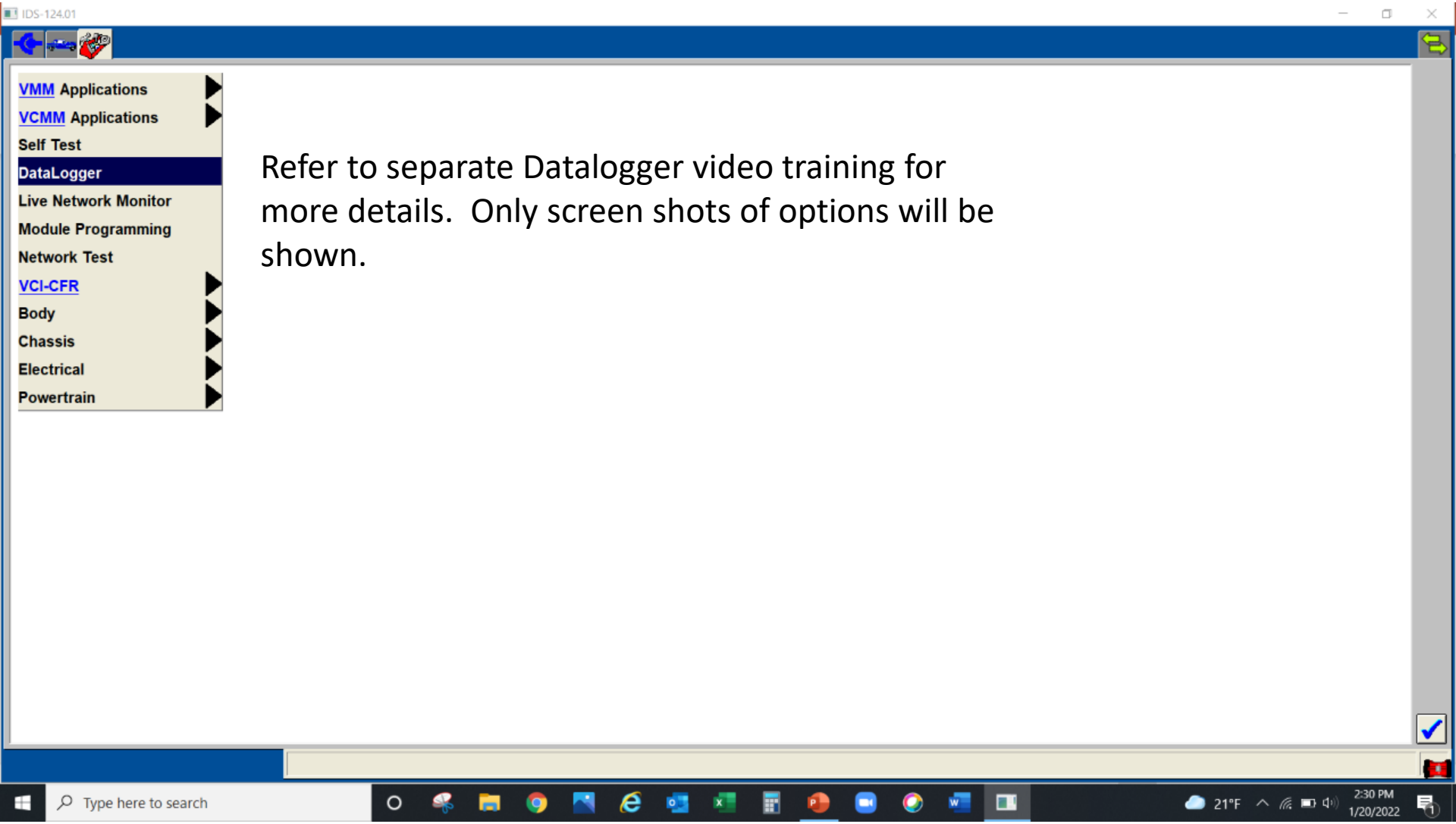
Note the ability to self test with the key on and engine off (KOEO) and key on engine running (KOER). These are infrequently used and will not be covered in this training.

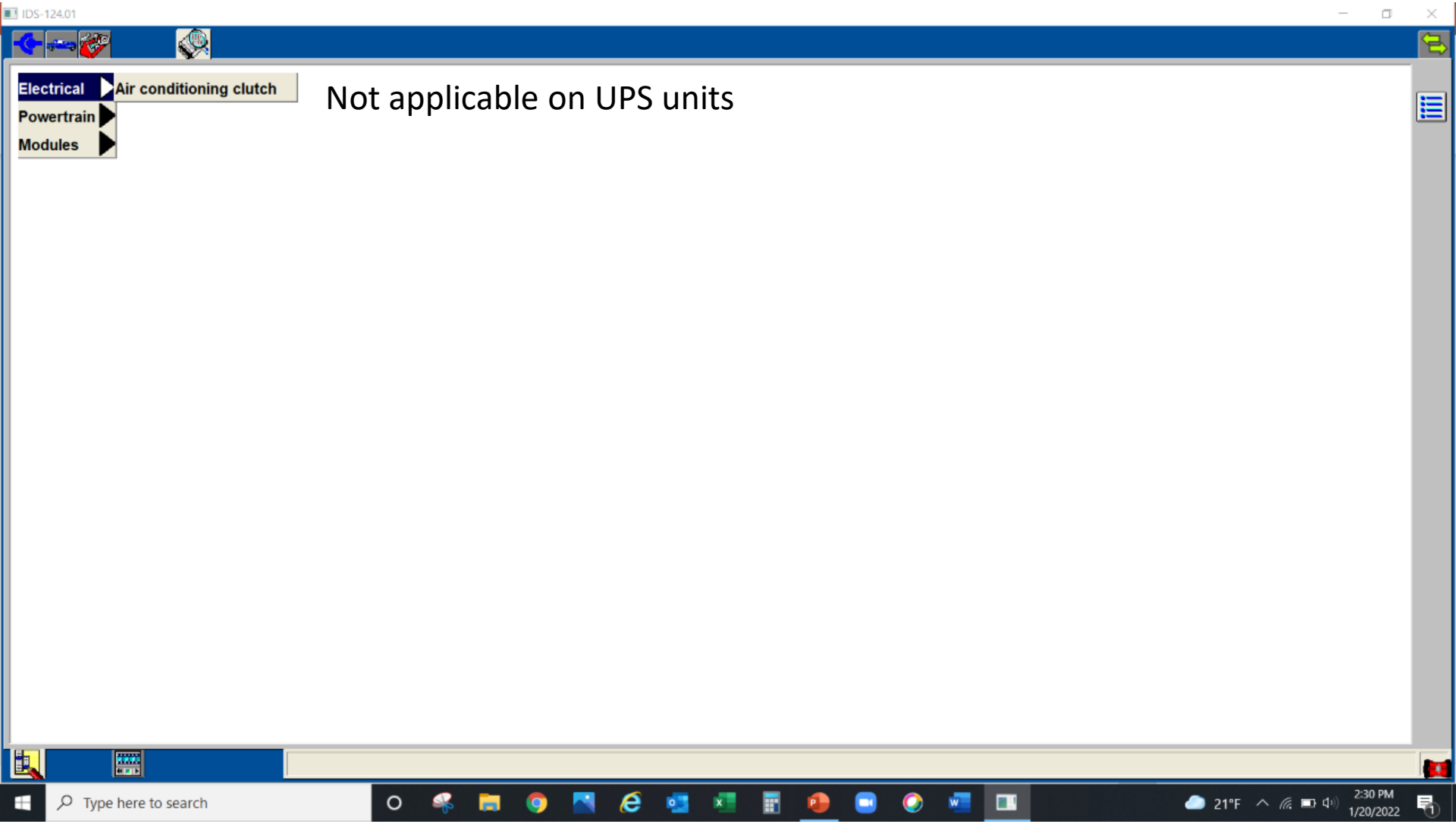


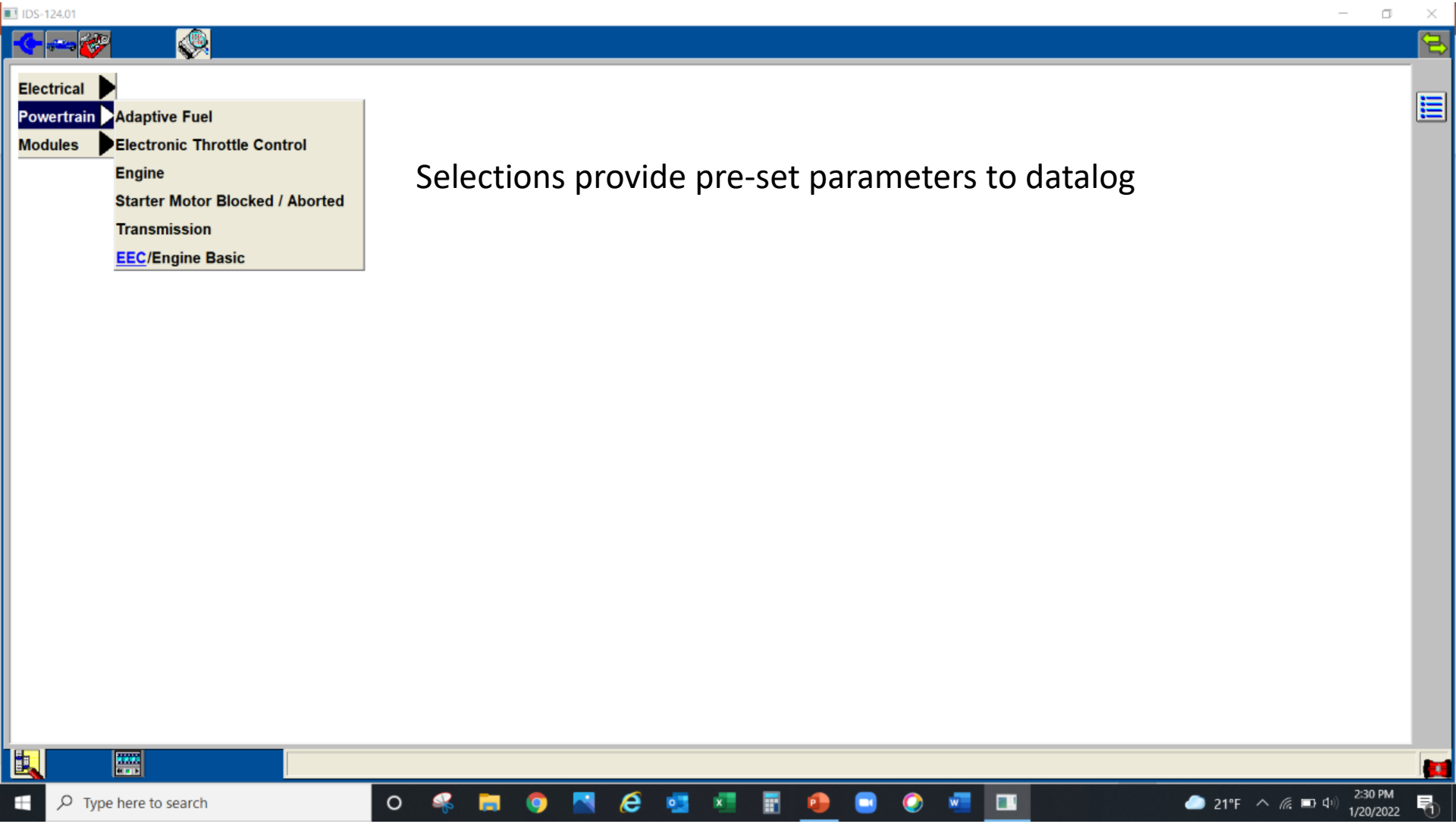
If the user wants they can limit checking fault codes to a specific module



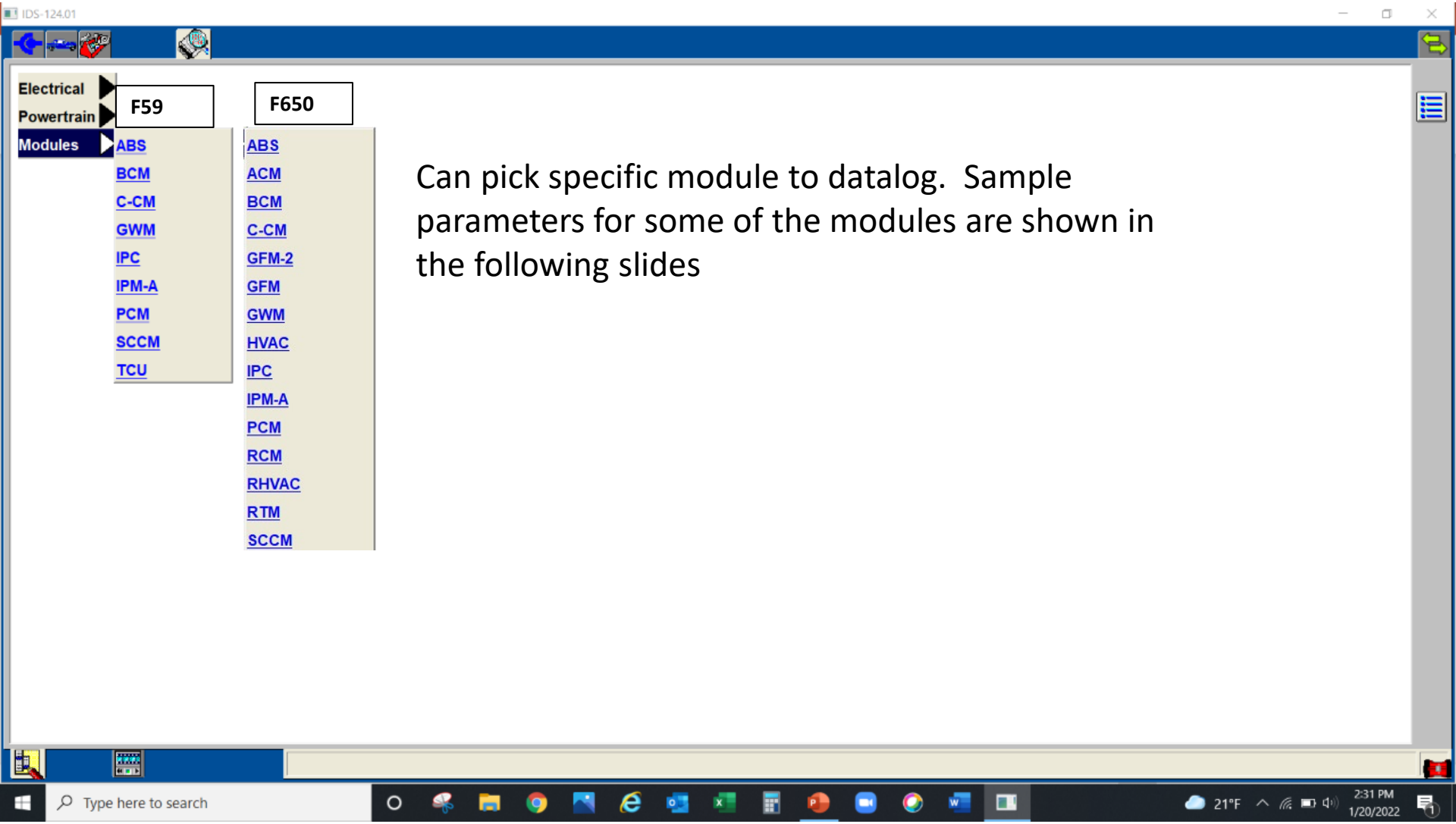
Note we have the same options here as we do in the Powertrain selection


IDS-124.01
VMM Applications
VCMM Applications
Self Test
DataLogger
Live Network Monitor
Module Programming
Network Test
VCI-CFR
Body
Chassis
Electrical
Powertrain
Refer to separate Datalogger video training for more details. Only screen shots of options will be shown.
Type here to search
21°F
2:30 PM
1/20/2022


IDS-124.01
Electrical
Air conditioning clutch
Powertrain
Modules
Not applicable on UPS units
Type here to search
21°F
2:30 PM
1/20/2022

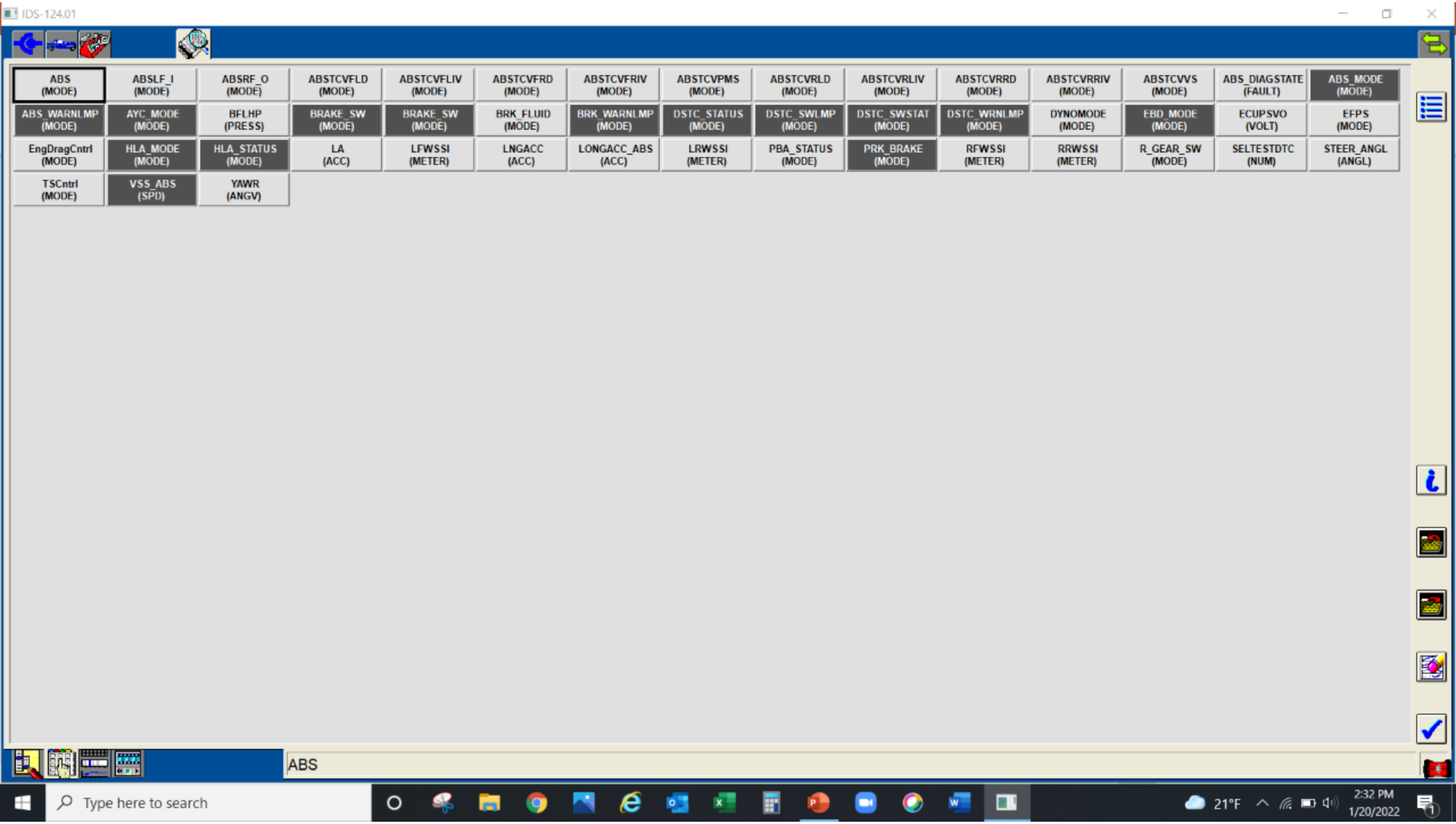


Selections provide pre-set parameters to datalog

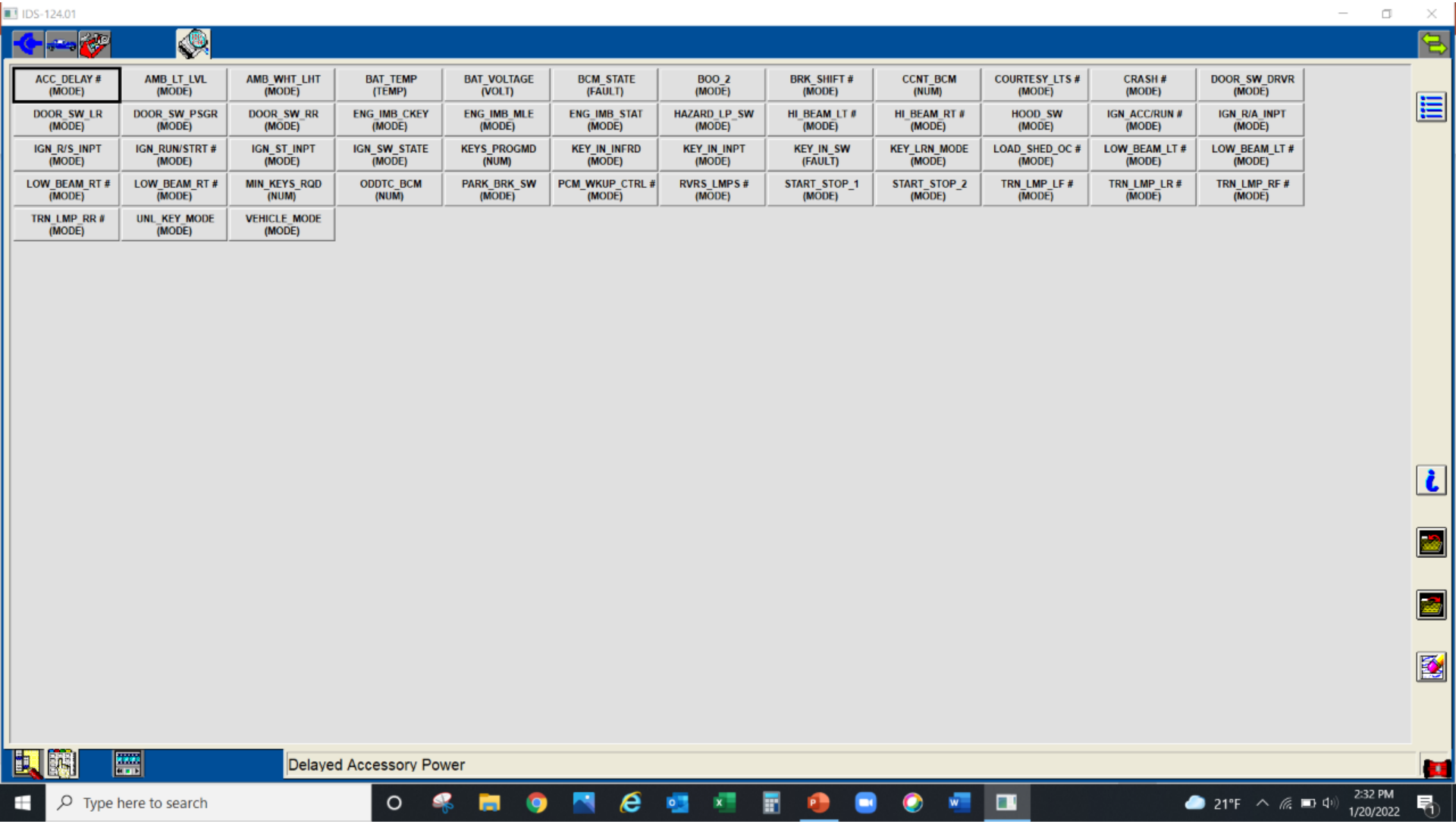


Can pick specific module to datalog. Sample parameters for some of the modules are shown in the following slides

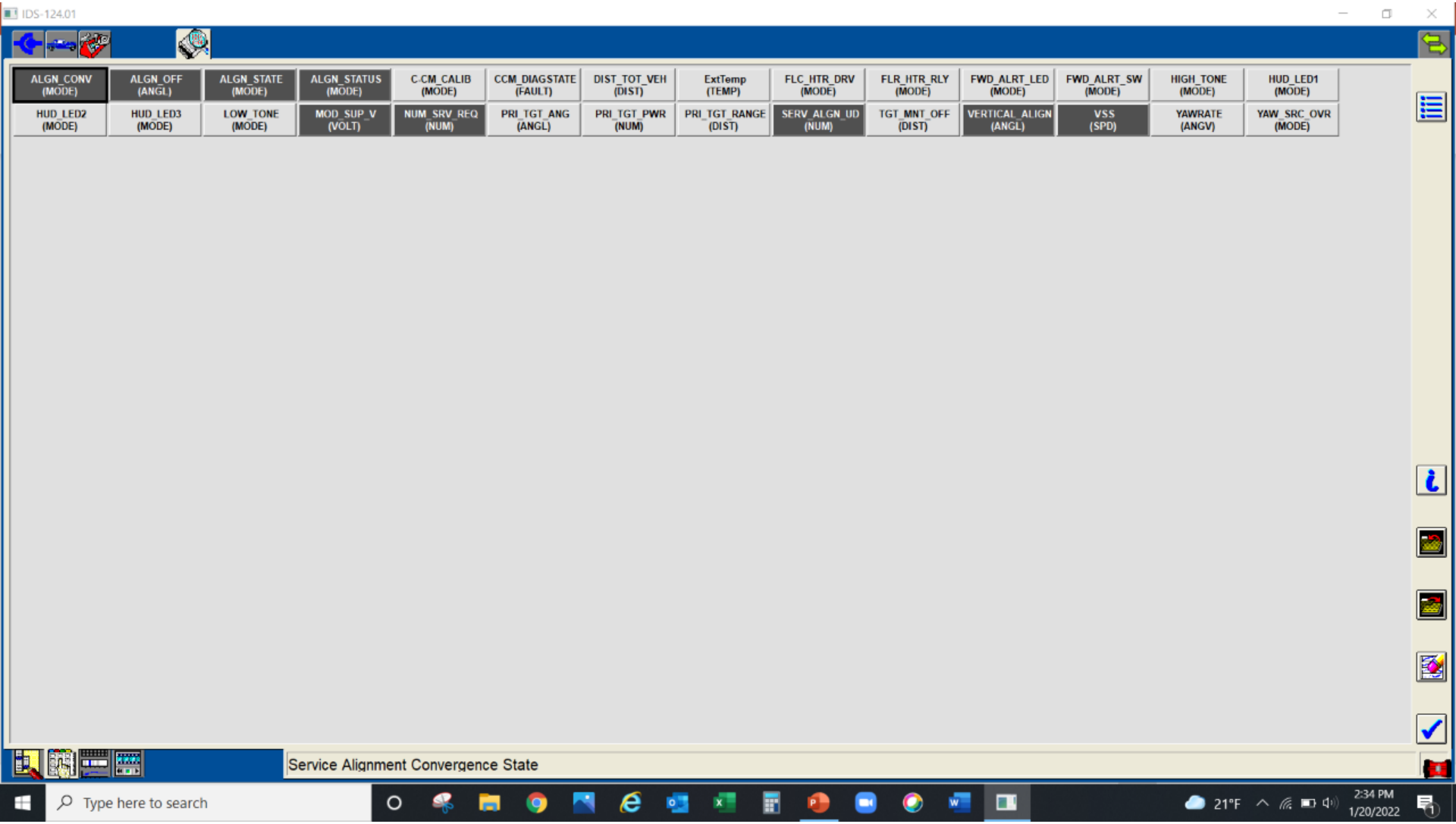
F59 ABS Example



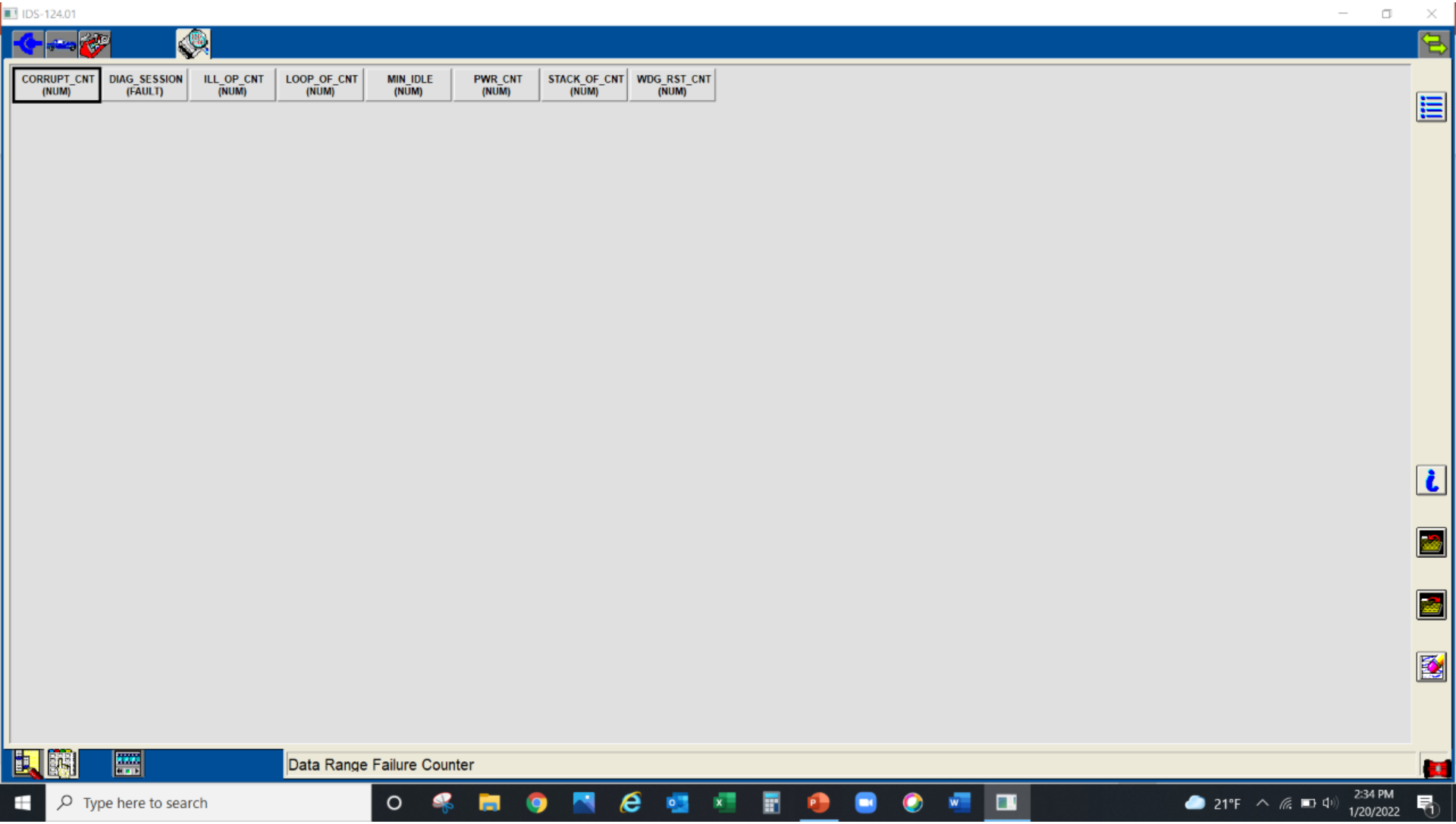
F59 BCM Example



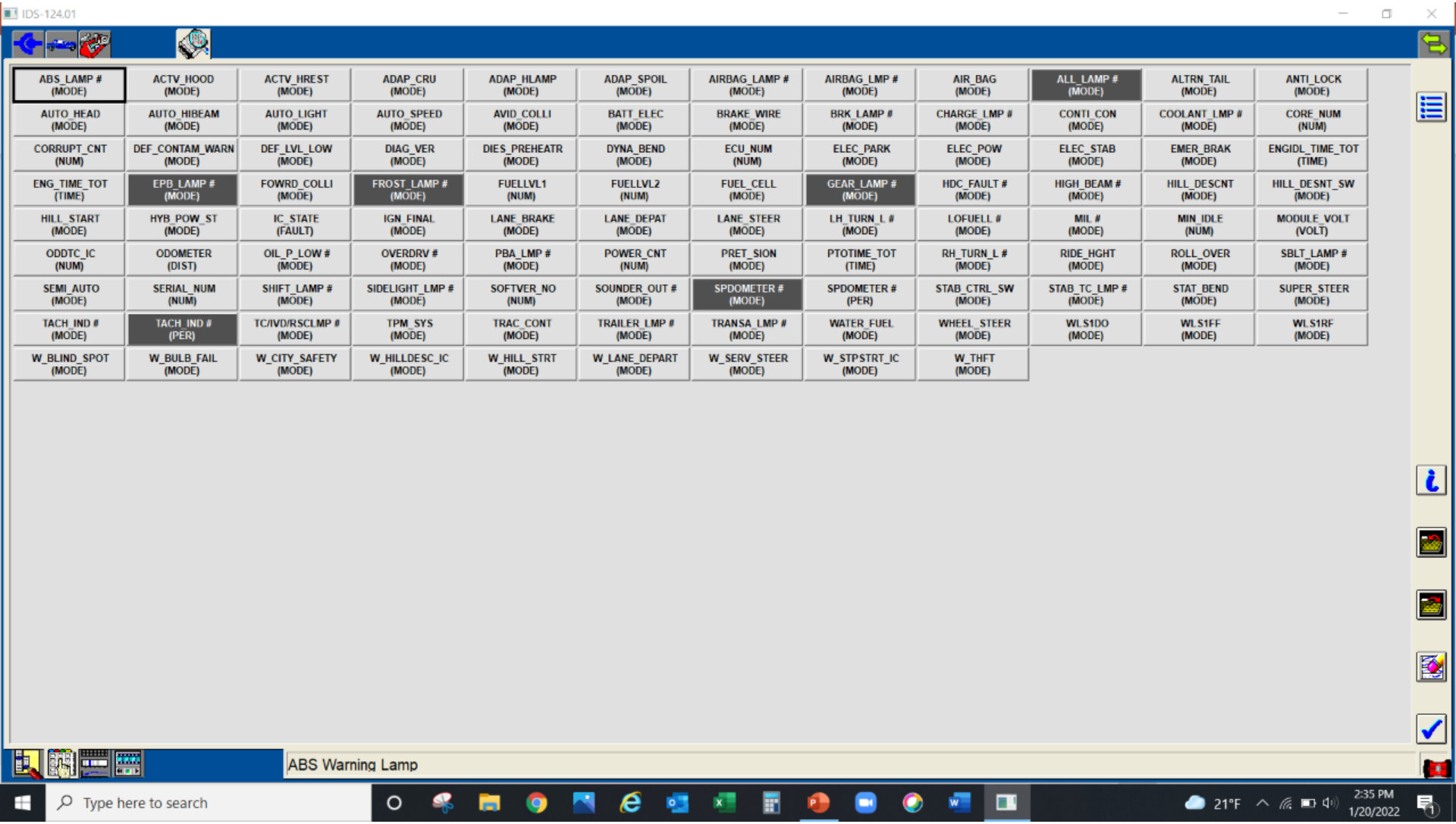
F59 C-CM Example



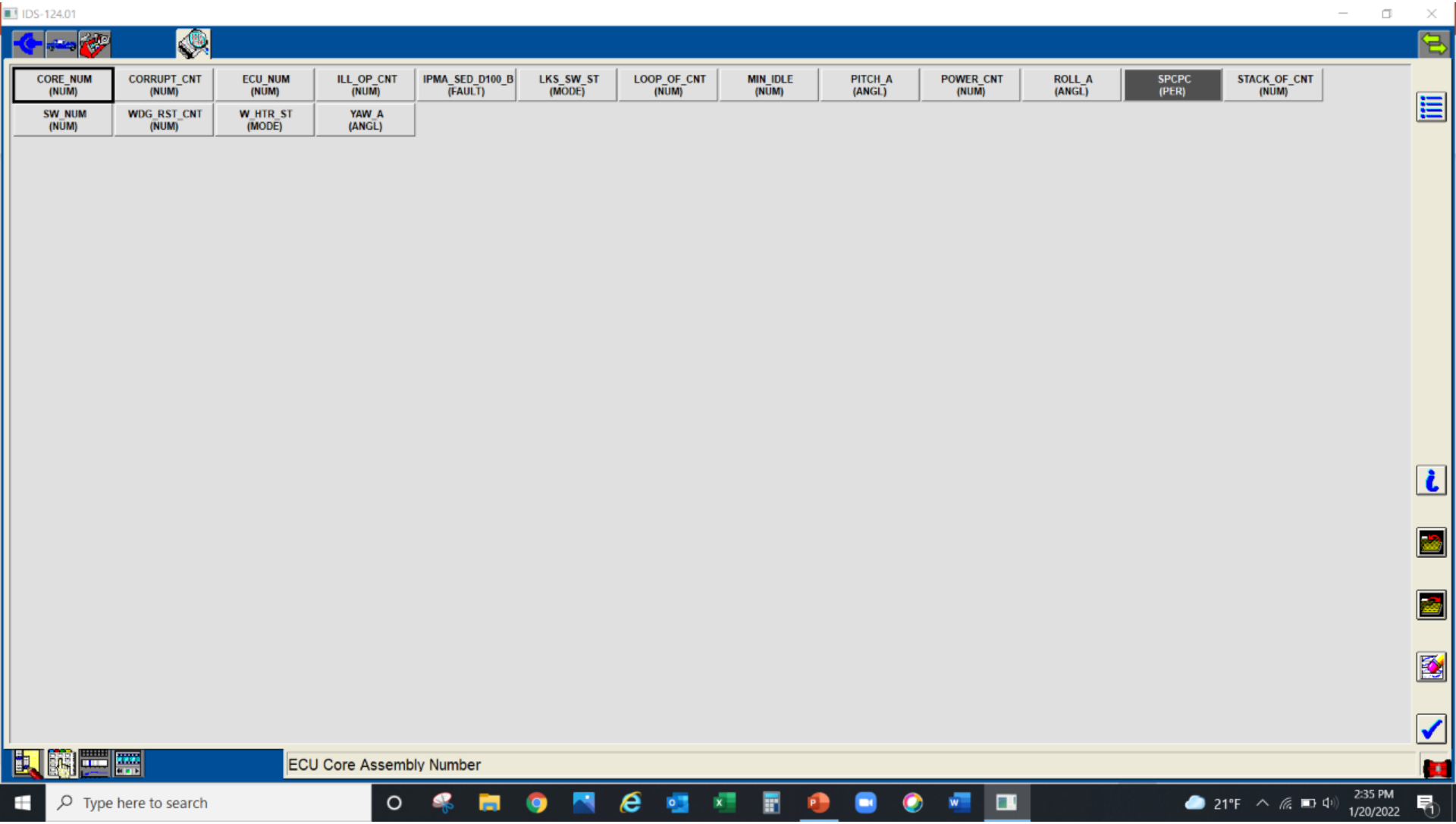
F59 GWM Example



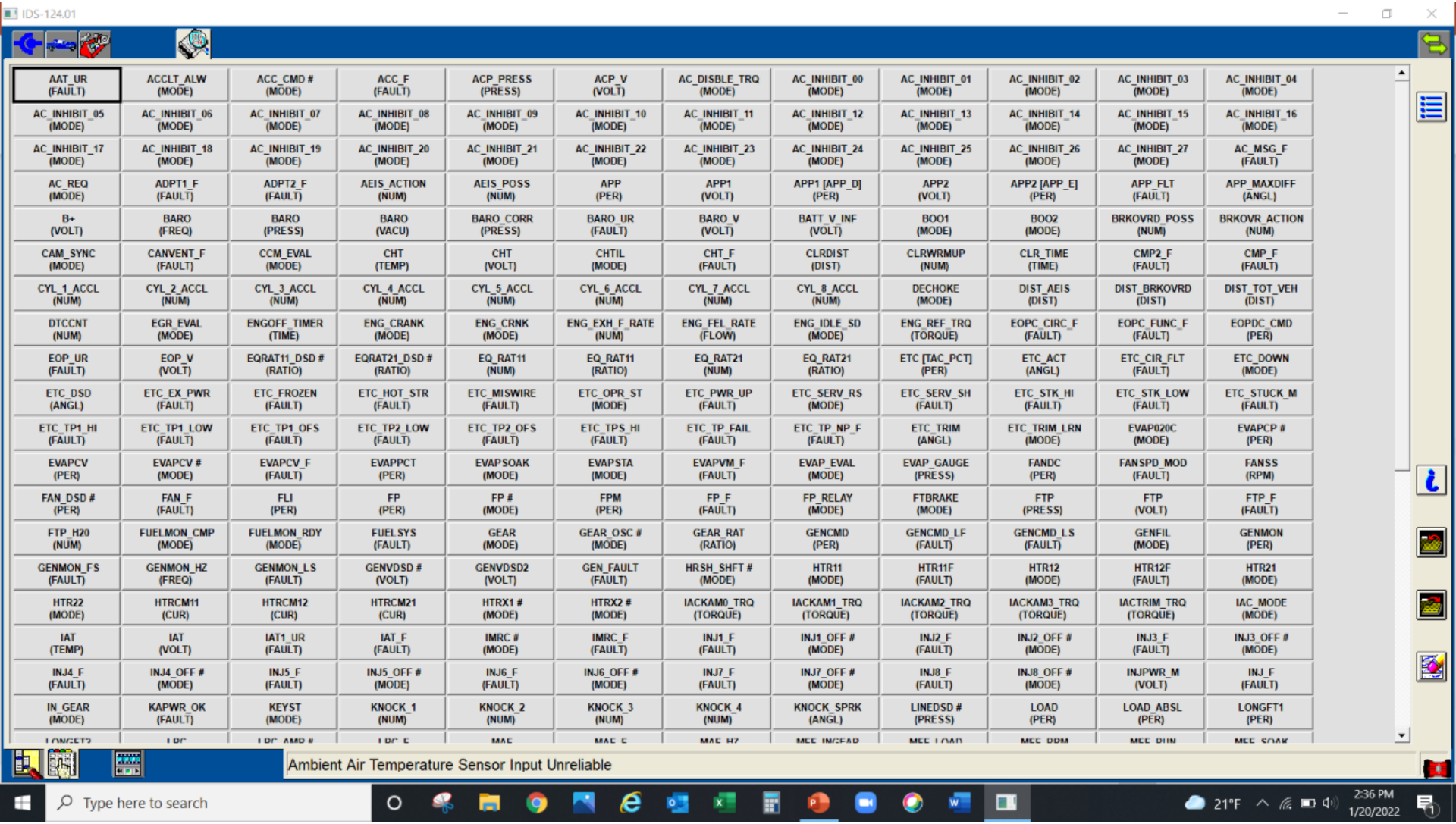
F59 IPC Example



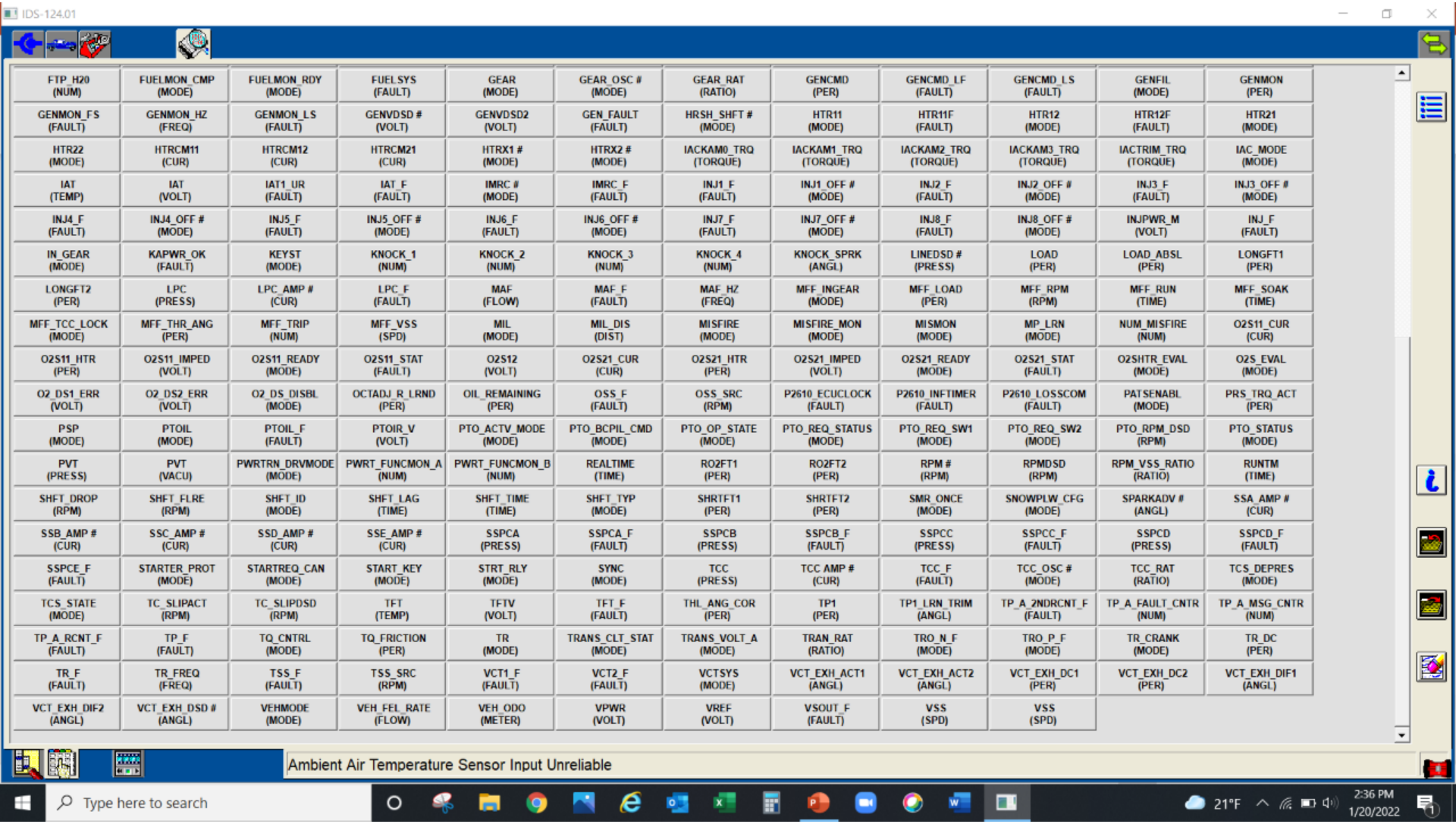
F59 IPM-A Example



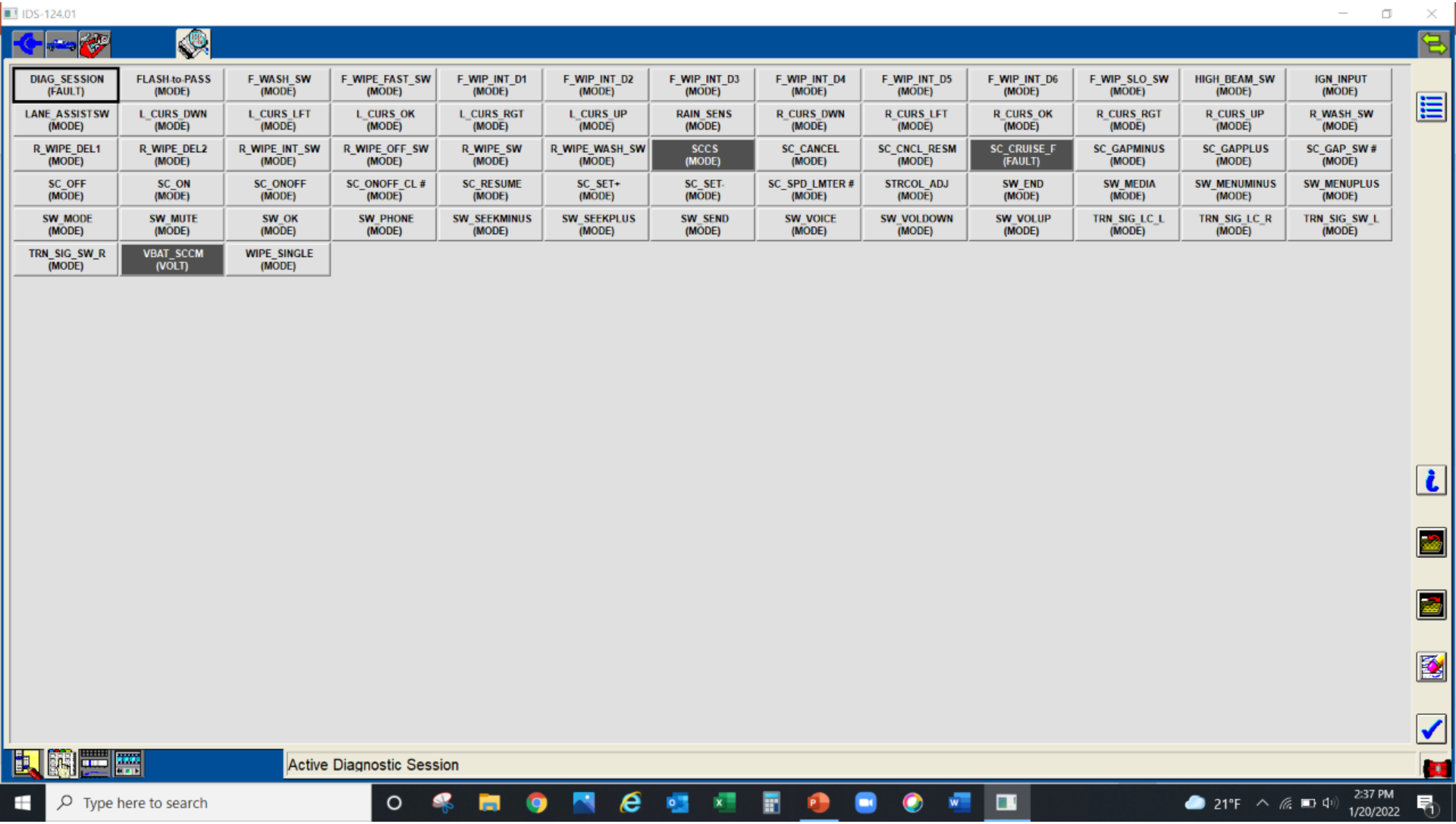
F59 PCM Example (Screen 1 of 2)

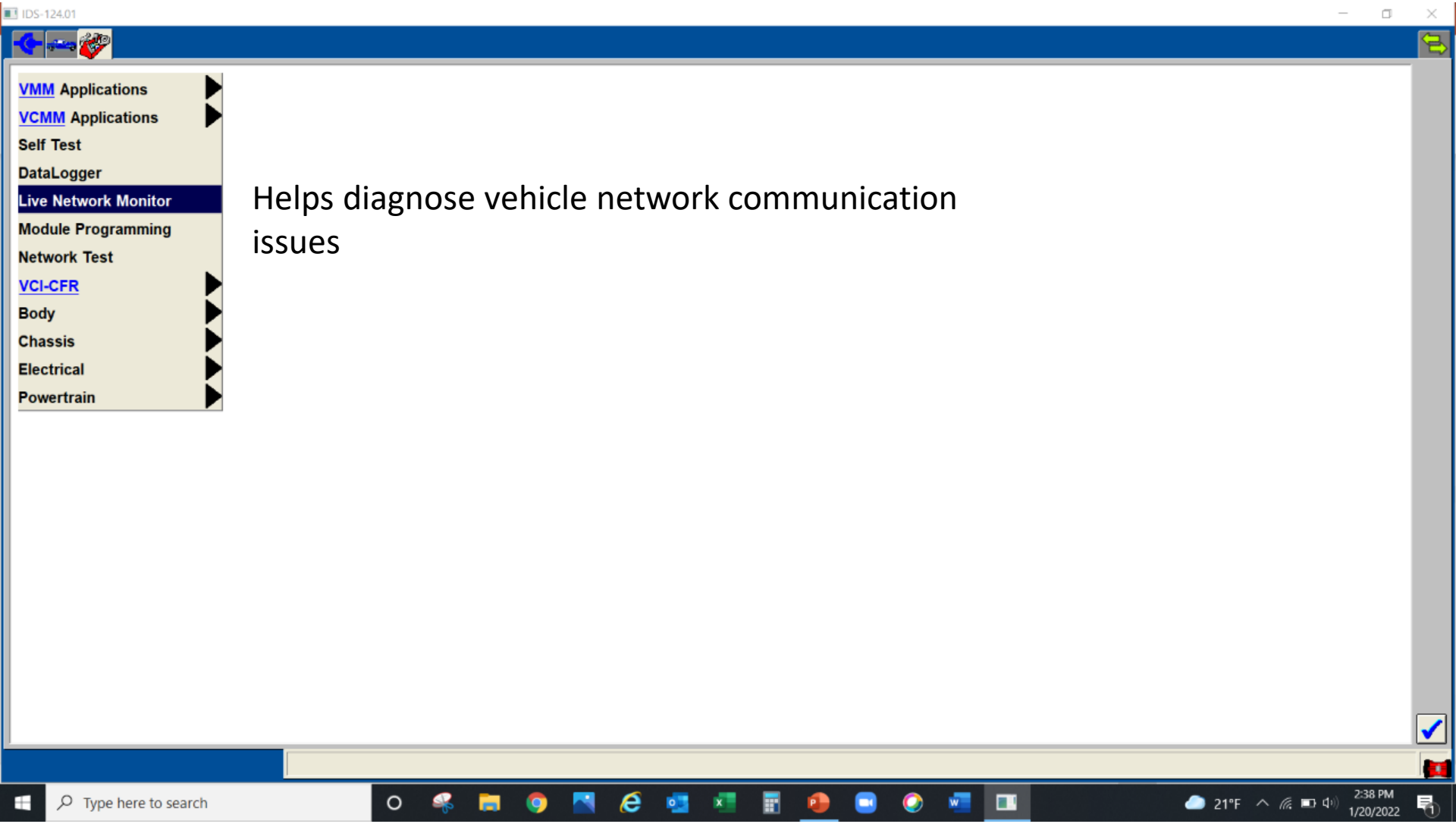


F59 PCM Example (Screen 2 of 2)



F59 SCCM Example




IDS-124.01
VMM Applications
VCMM Applications
Self Test
DataLogger
Live Network Monitor
Module Programming
Network Test
VCI-CFR
Body
Chassis
Electrical
Powertrain
Helps diagnose vehicle network communication issues
Type here to search
21°F
2:38 PM
1/20/2022

IDS-124.01

Live Network Monitor

During this test the tool will continuously send a message to each module on the vehicle network and monitor that a response was received within the specified time period.

A green module box indicates the tool received a positive response from the module.

For any instance where the tool did not receive a message from one or more modules.

- The missed message counter box will turn Red to indicate that message had been missed and will continue to increment for every missed message.
- The module label will turn Red for each missed message ad will turn Green when a message is received.

Optional modules that do not respond during the initial network test are disabled by default and are colored gray.

- Additional modules can be disabled from testing by checking the box in the lower left of the module box. The tool will not ping any modules that are disabled and the missed message counter will not increment.

An entire network can be disabled by checking the “Disable All” box next to that network to help further isolate the concern.

An audible "beep" can also be enabled to provide feedback while wiggling the harness and related connectors when the display in not within view.

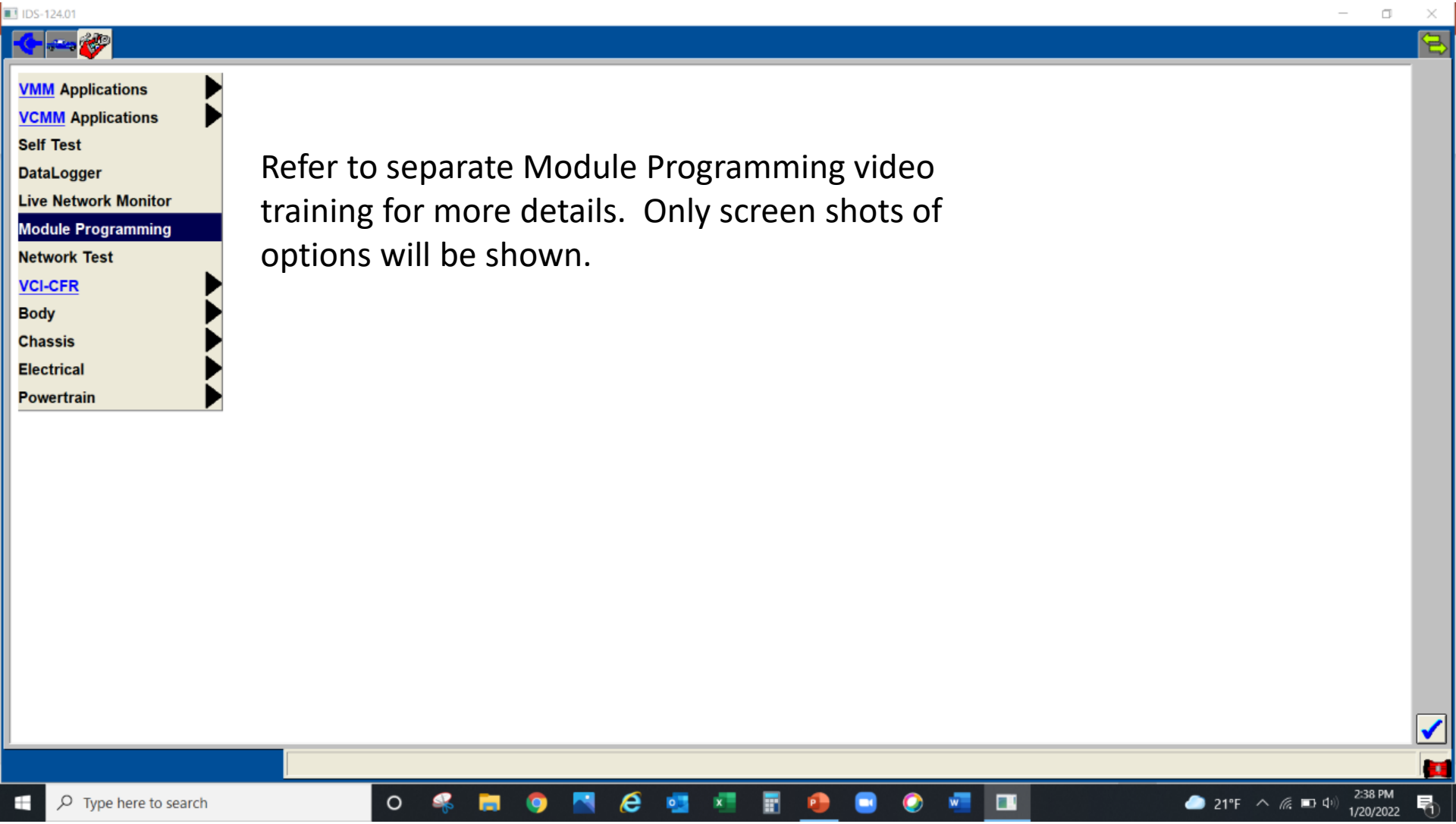
NOTE:

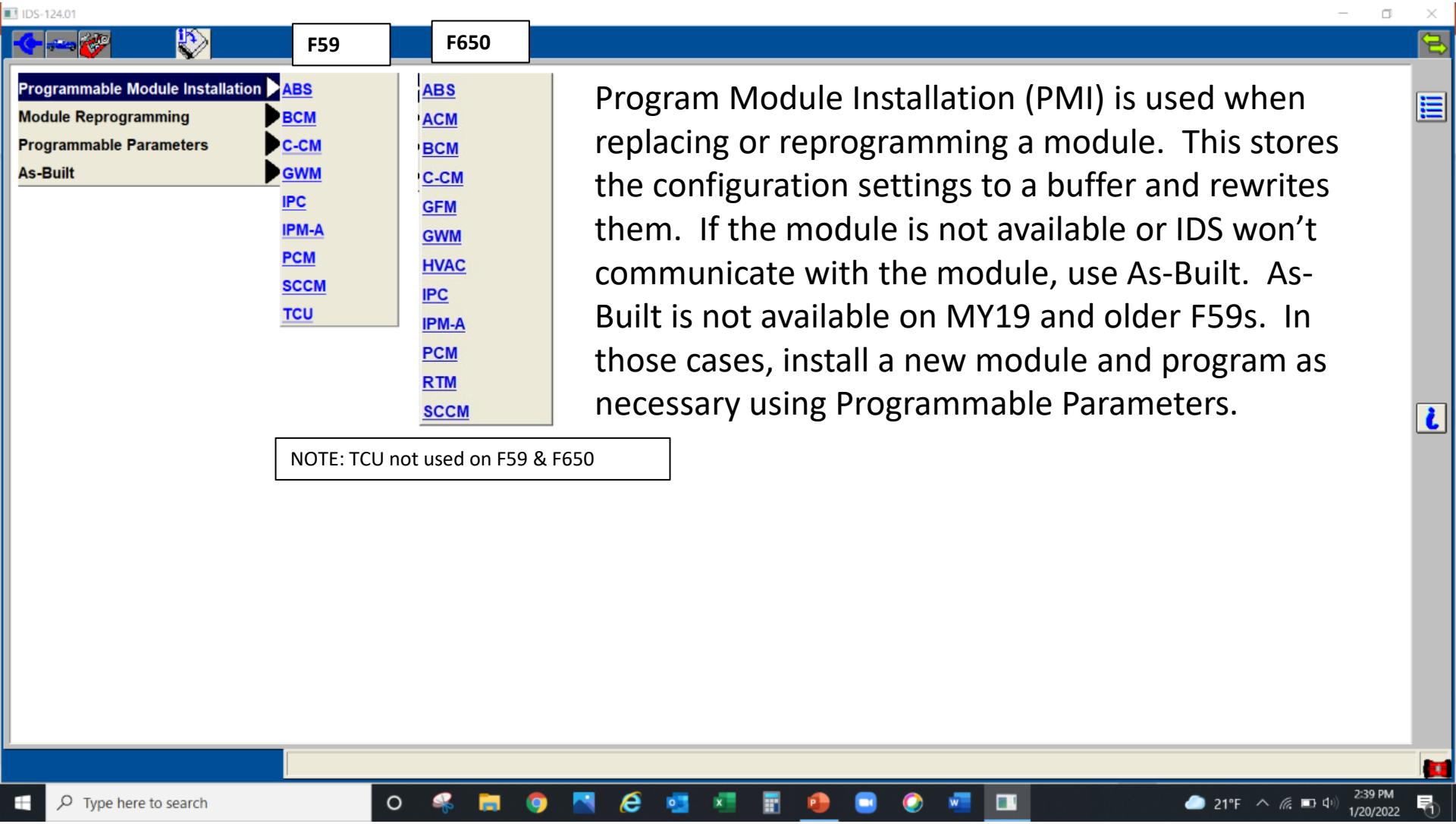
- While this test can be helpful in diagnosing vehicle network communication issues, it is not intending to replace technical training, Workshop Manual (WSM) or Wiring Diagram information or procedures and should not be used to fault a module.
- If a module is suspected to be the cause of the concern, follow the appropriate pinpoint or diagnostic procedure to determine if module replacement is necessary.

Click the information button on the right of the next screen for further instructions and tips for using the Live Network Monitor tool.

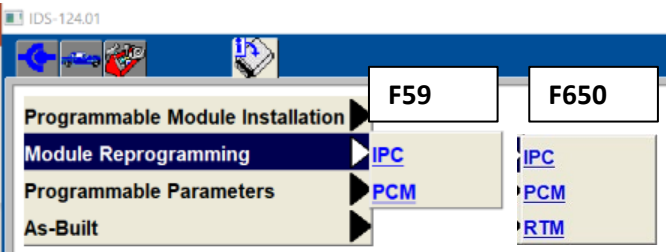
Select the Tick to continue.

Type here to search
21°F
2:38 PM
1/20/2022


IDS-124.01
VMM Applications
VCMM Applications
Self Test
DataLogger
Live Network Monitor
Module Programming
Network Test
VCI-CFR
Body
Chassis
Electrical
Powertrain
Refer to separate Module Programming video training for more details. Only screen shots of options will be shown.
Type here to search
21°F
2:38 PM
1/20/2022

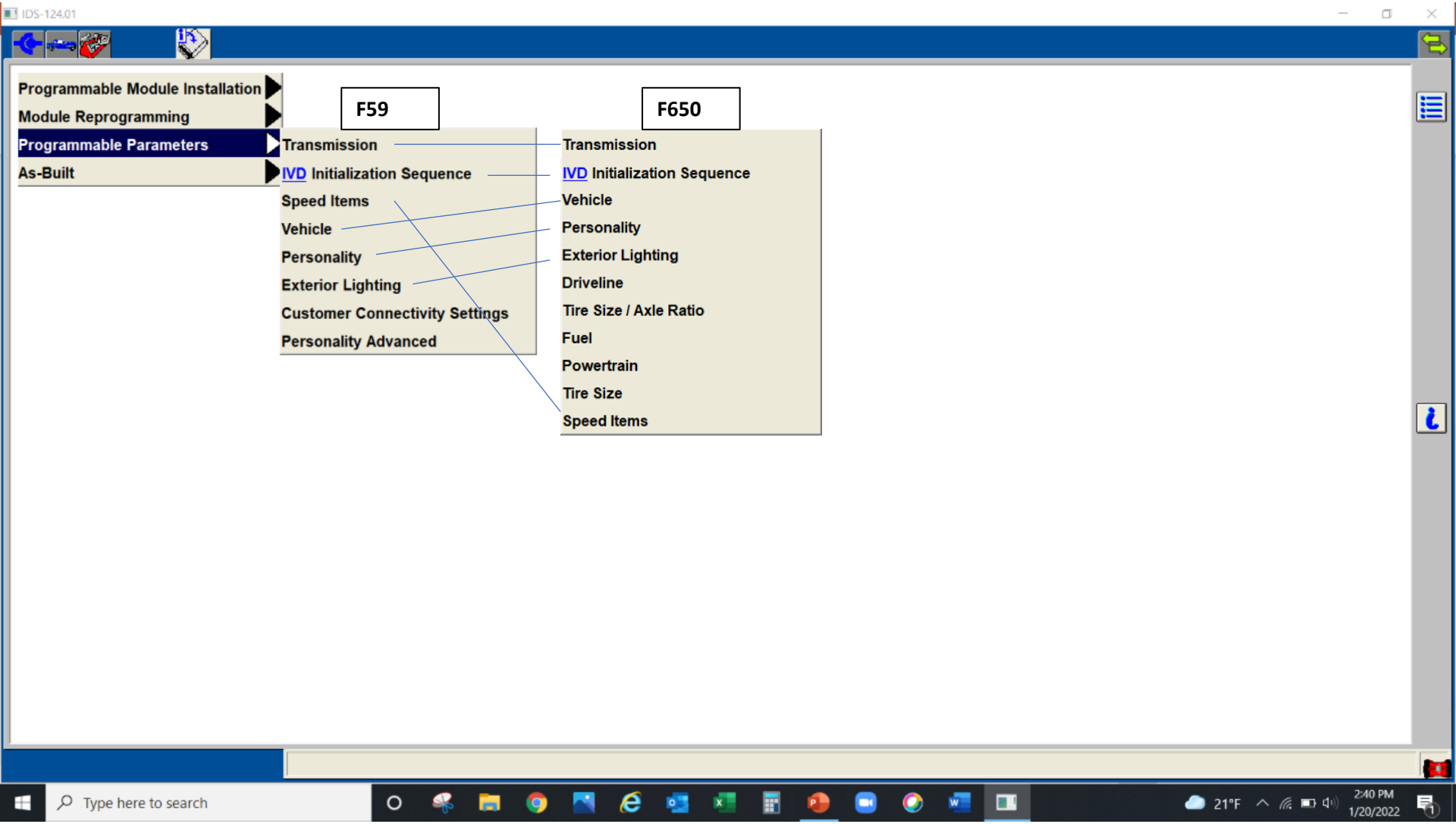


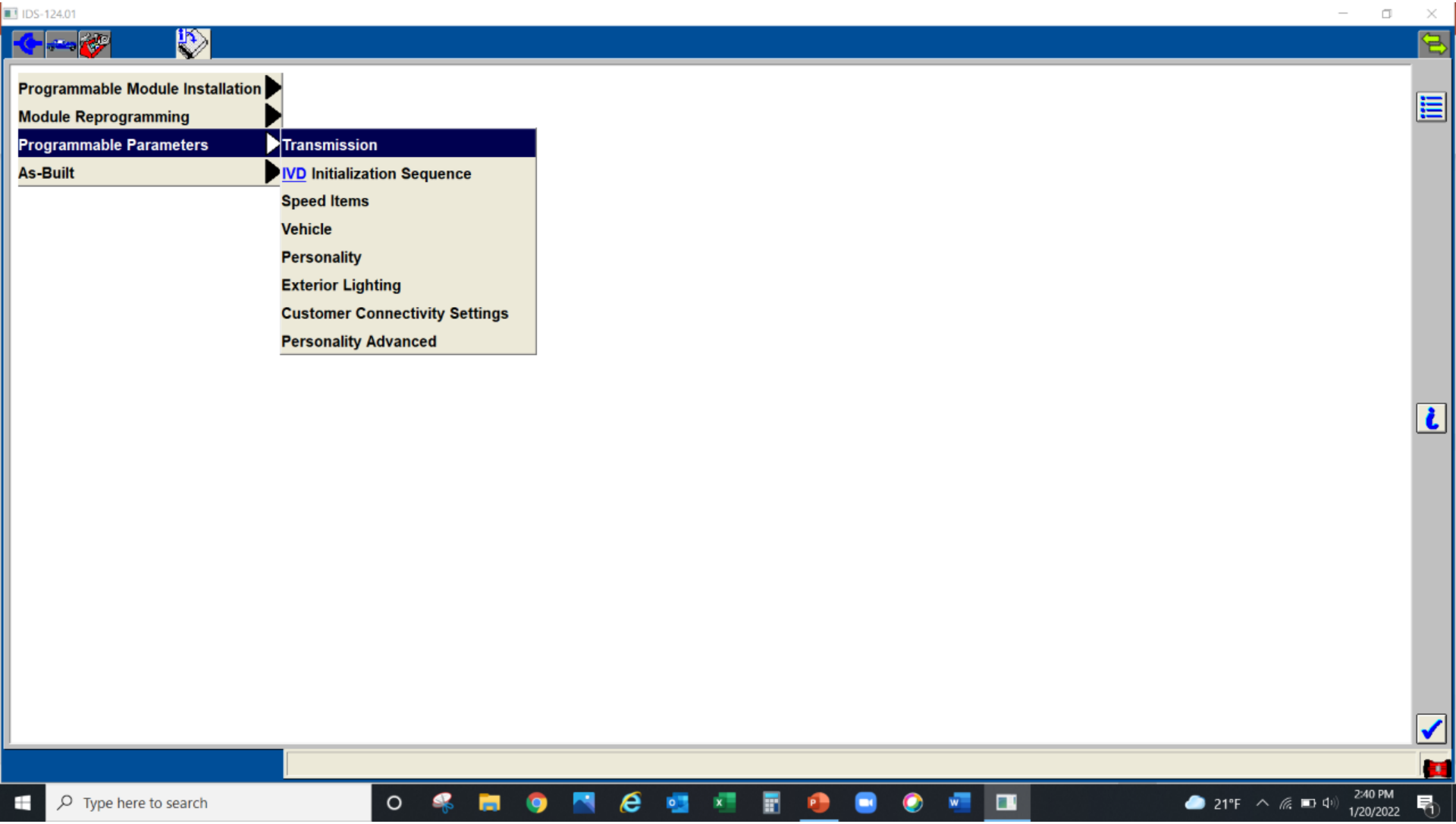
Program Module Installation (PMI) is used when replacing or reprogramming a module. This stores the configuration settings to a buffer and rewrites them. If the module is not available or IDS won't communicate with the module, use As-Built. As-Built is not available on MY19 and older F59s. In those cases, install a new module and program as necessary using Programmable Parameters.



Module reprogramming (also referred to as "flashing") is a scan tool process which updates the strategy/calibration in a module. Reprogramming a module with the same level of software will not improve module operation or repair a hardware failure.

Module reprogramming is automatically carried out during PMI when a later strategy/calibration is available


IDS-124.01
Programmable Module Installation
Module Reprogramming
Programmable Parameters
As-Built
F59
Transmission
IVD Initialization Sequence
Speed Items
Vehicle
Personality
Exterior Lighting
Customer Connectivity Settings
Personality Advanced
F650
Transmission
IVD Initialization Sequence
Vehicle
Personality
Exterior Lighting
Driveline
Tire Size / Axle Ratio
Fuel
Powertrain
Tire Size
Speed Items
Type here to search
21°F
2:40 PM
1/20/2022


IDS-124.01
Programmable Module Installation
Module Reprogramming
Programmable Parameters
As-Built
Transmission
IVD Initialization Sequence
Speed Items
Vehicle
Personality
Exterior Lighting
Customer Connectivity Settings
Personality Advanced
Type here to search
21°F
2:40 PM
1/20/2022

Main Menu

This procedure will read the transmission strategy and IDN from the module, provide solenoid data, and provide functionality to replace the transmission strategy.

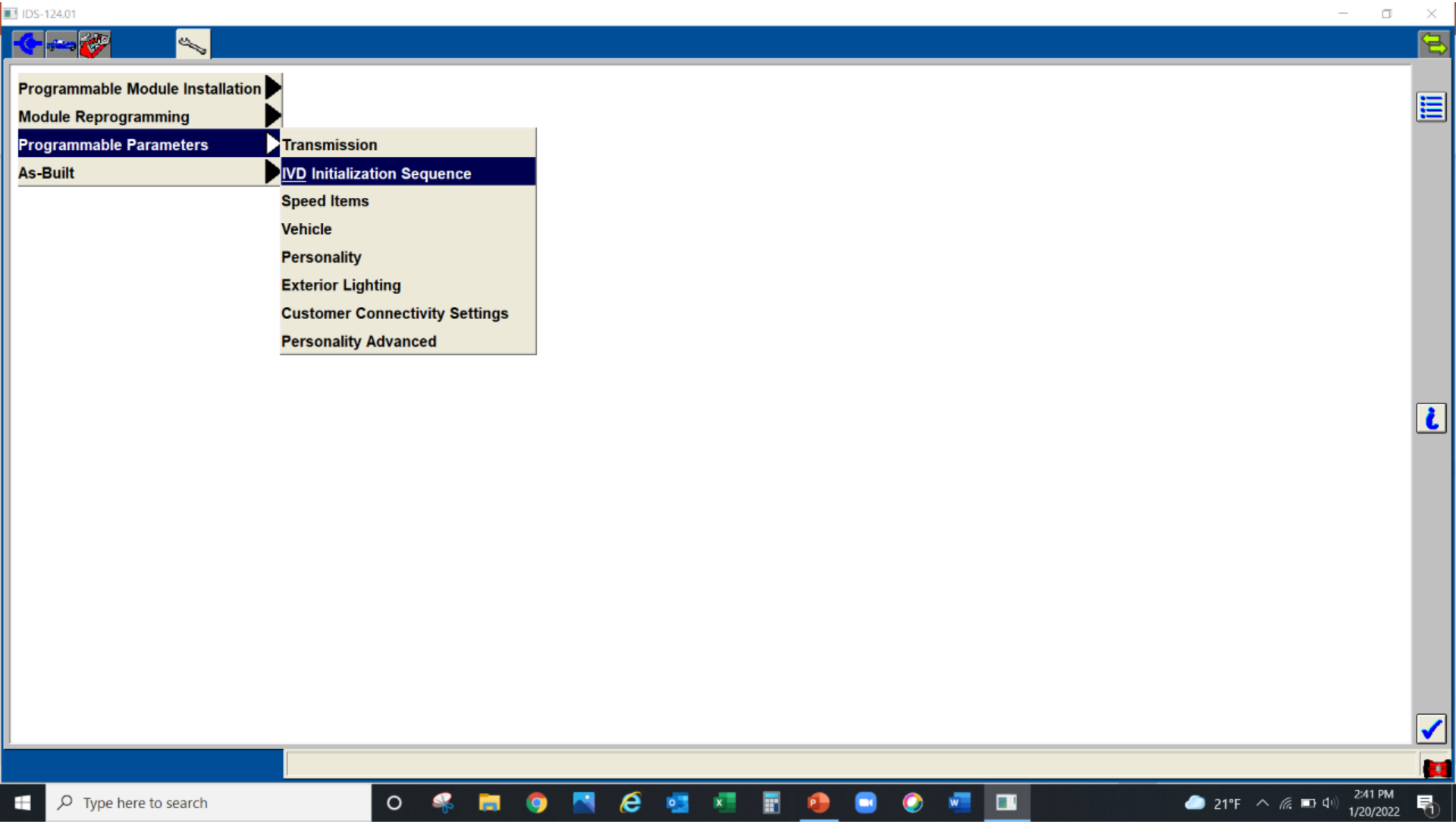
This function is used on HEV applications to update the ISC motor and generator offsets.

This function should be performed as recommended in the service manual procedures.

Do you wish to continue?

NO

YES


IDS-124.01
Programmable Module Installation
Module Reprogramming
Programmable Parameters
As-Built
Transmission
IVD Initialization Sequence
Speed Items
Vehicle
Personality
Exterior Lighting
Customer Connectivity Settings
Personality Advanced
Type here to search
21°F
2:41 PM
1/20/2022

IVD Initialization Sequence

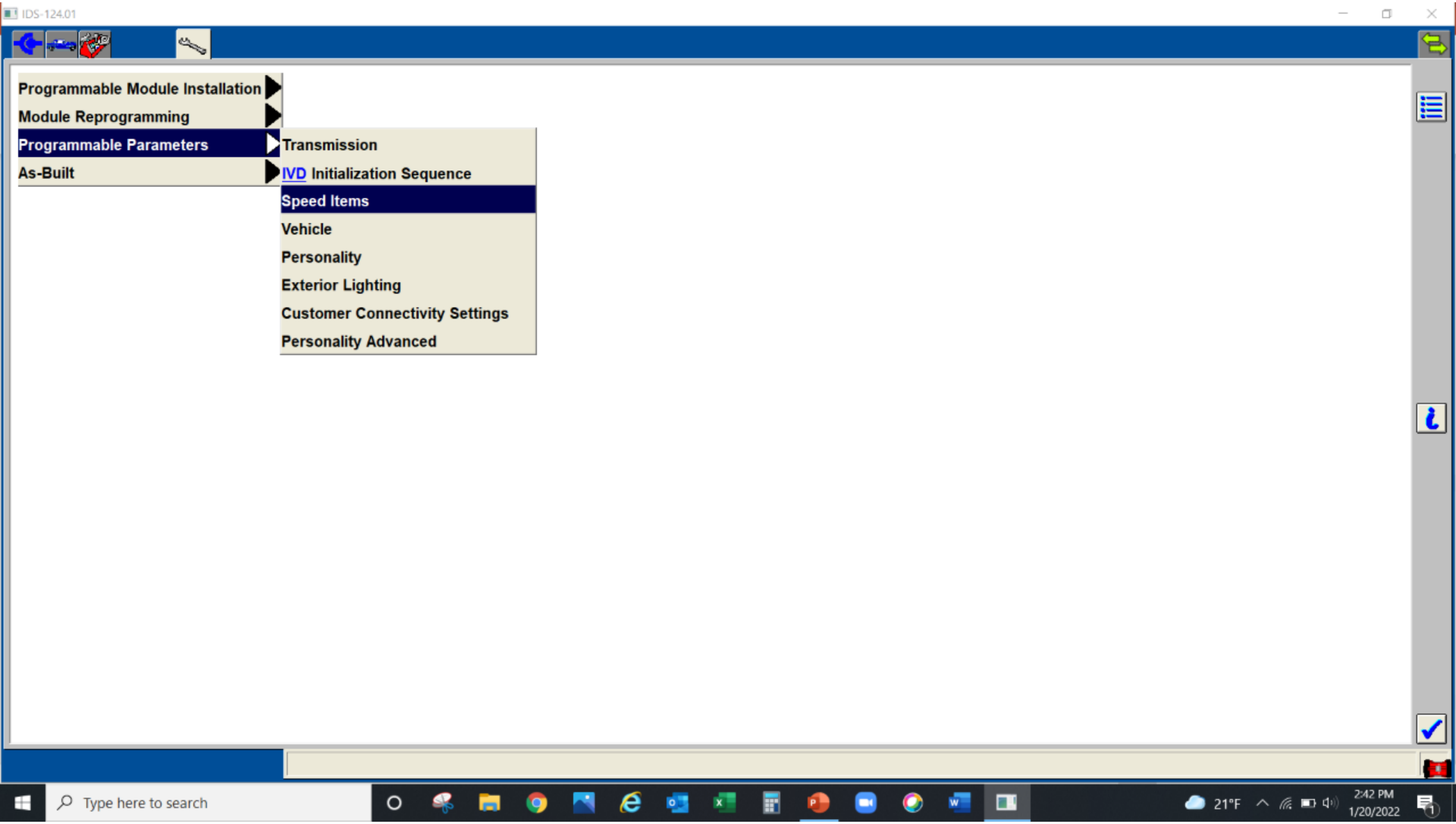
Note:

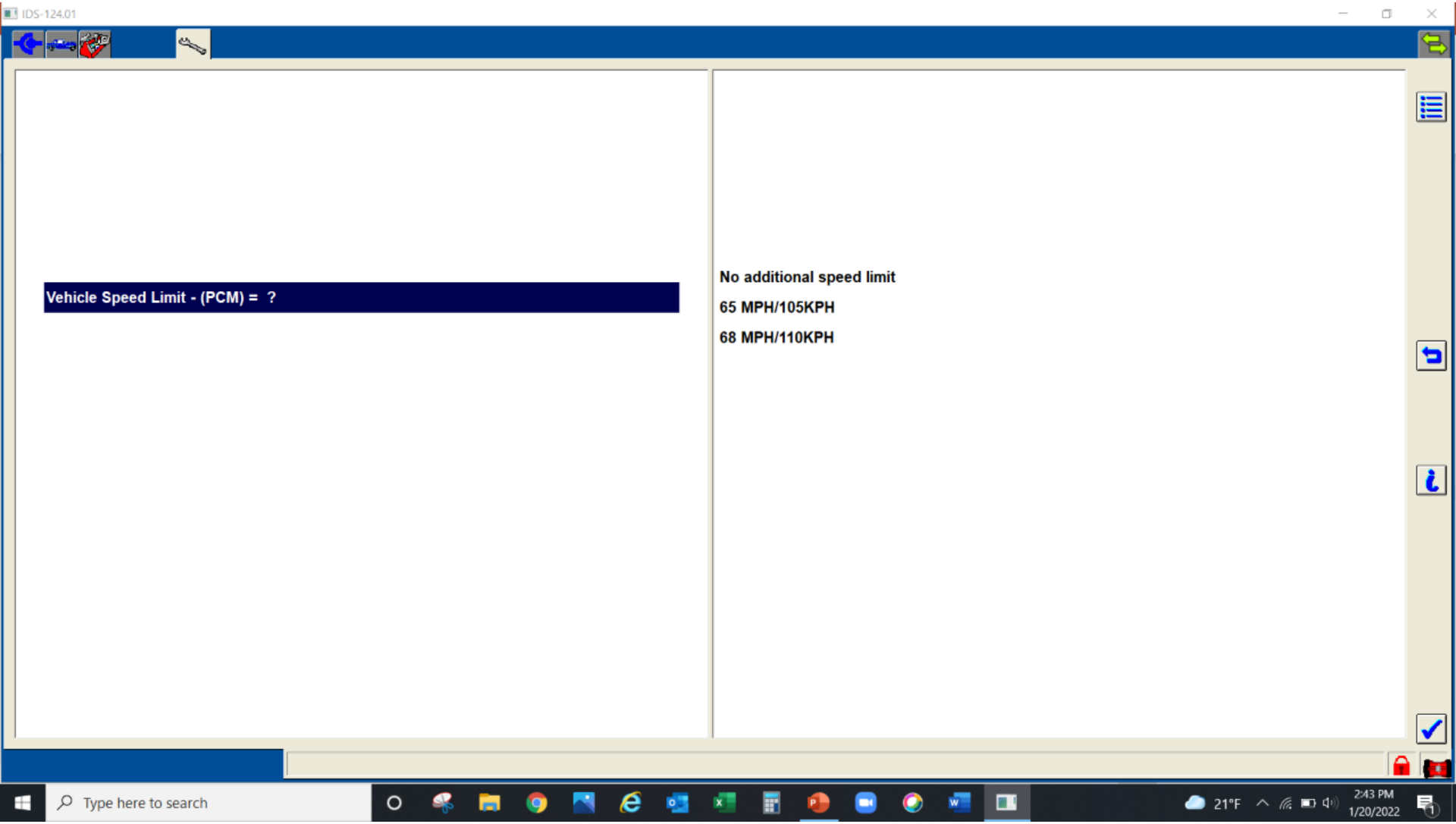
- **Before performing this procedure, please make sure the following operations are completed.**
- **Don't shake or bounce the vehicle**
- **Ensure that you are not pressing the brake pedal.**
- **Park the vehicle on level ground.**
- **Do not depress the accelerator pedal during this test.**
- **Bring the steering wheel to the straight ahead position.**
- **Do not move Steering Wheel during the routine**

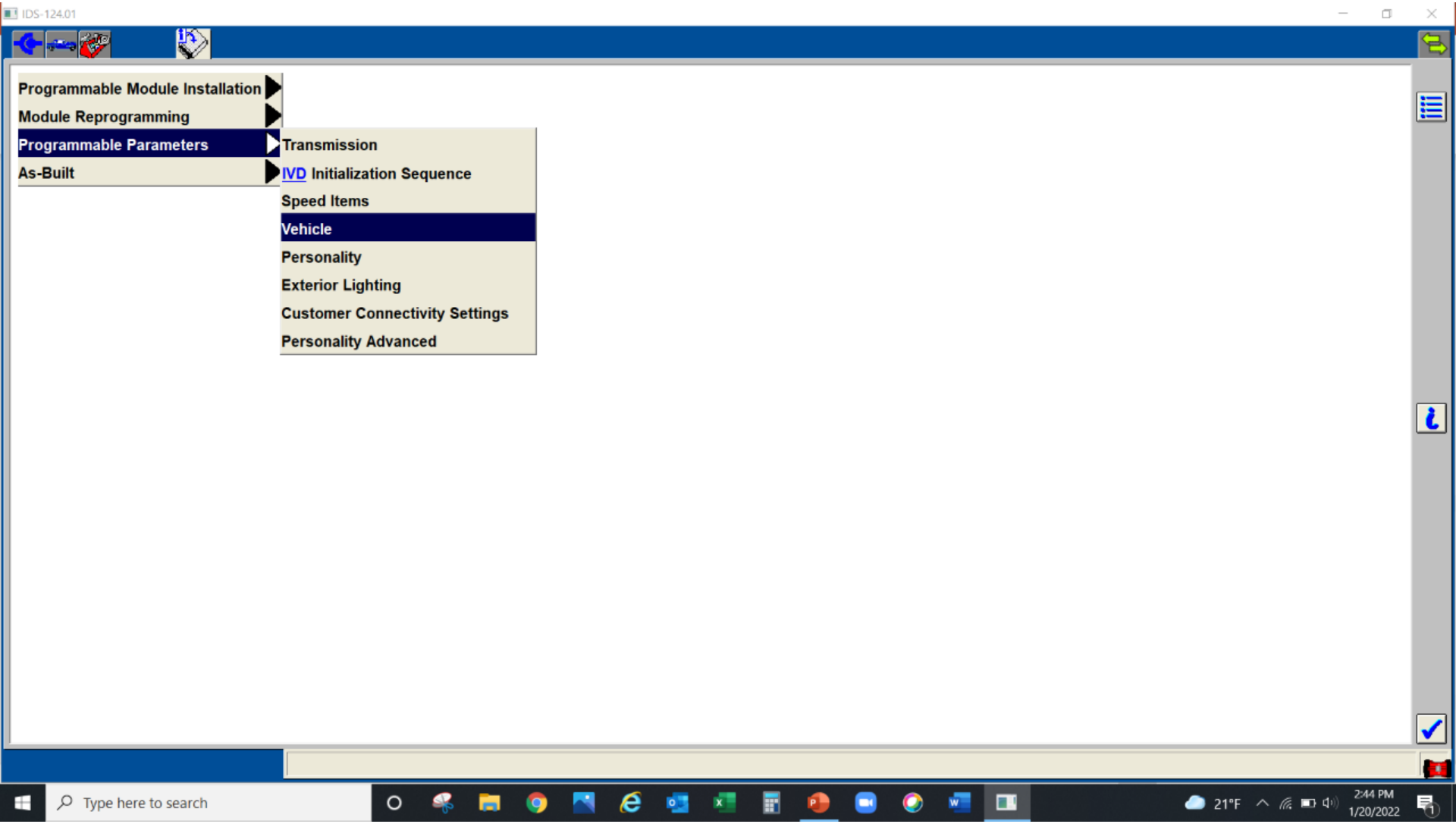
Do you wish to continue?

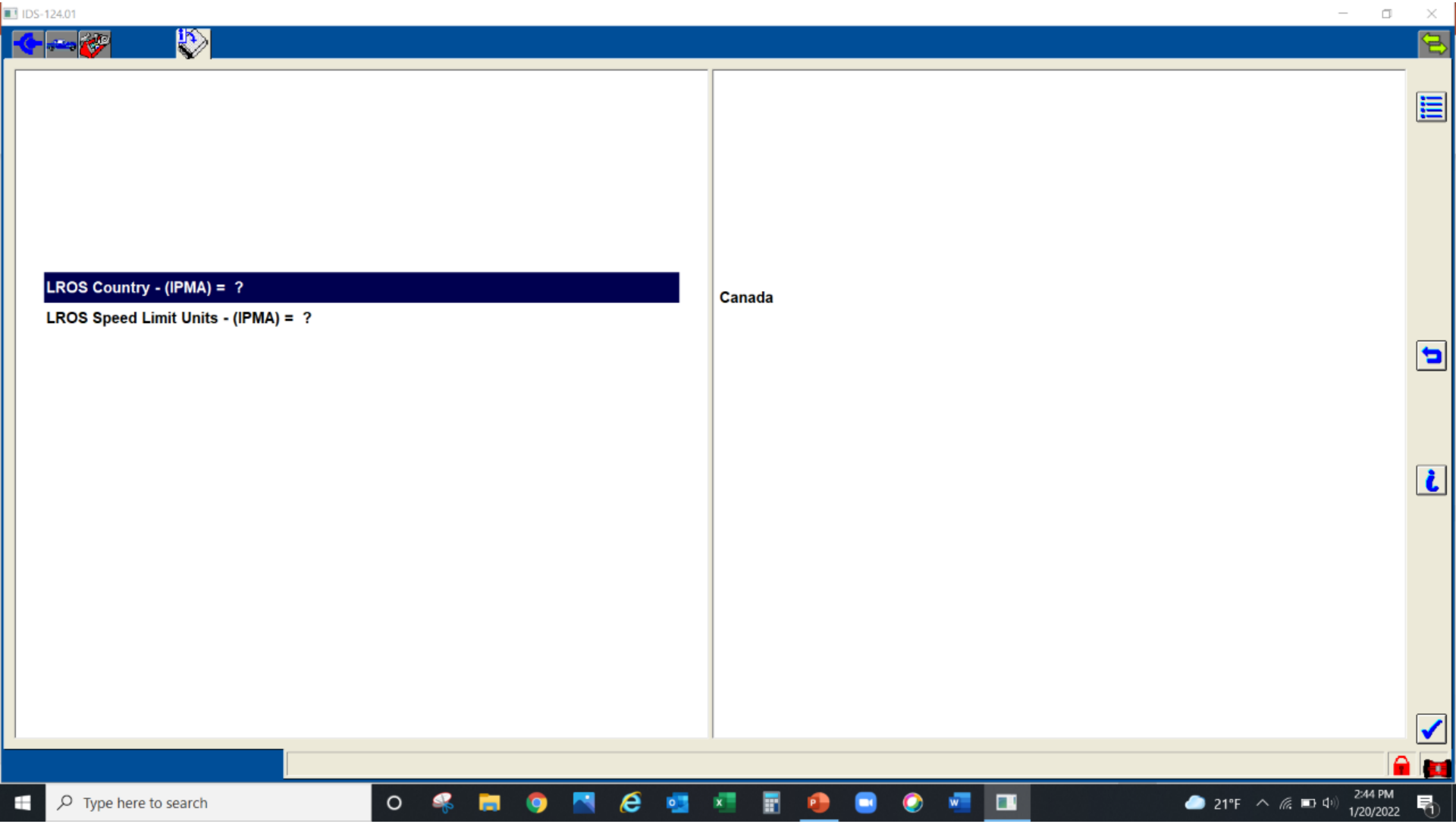
NO YES

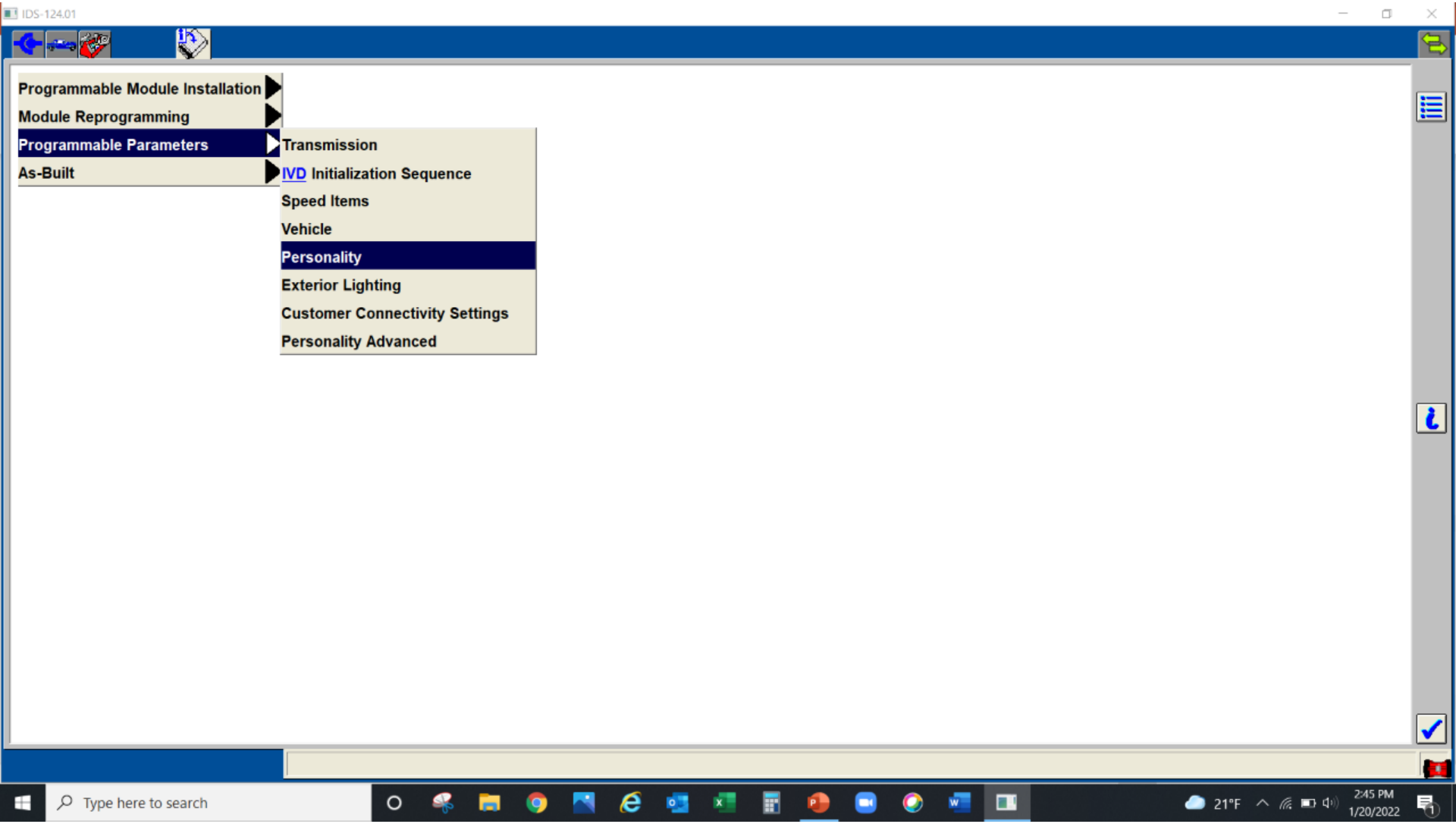
Type here to search
21°F
2:41 PM
1/20/2022

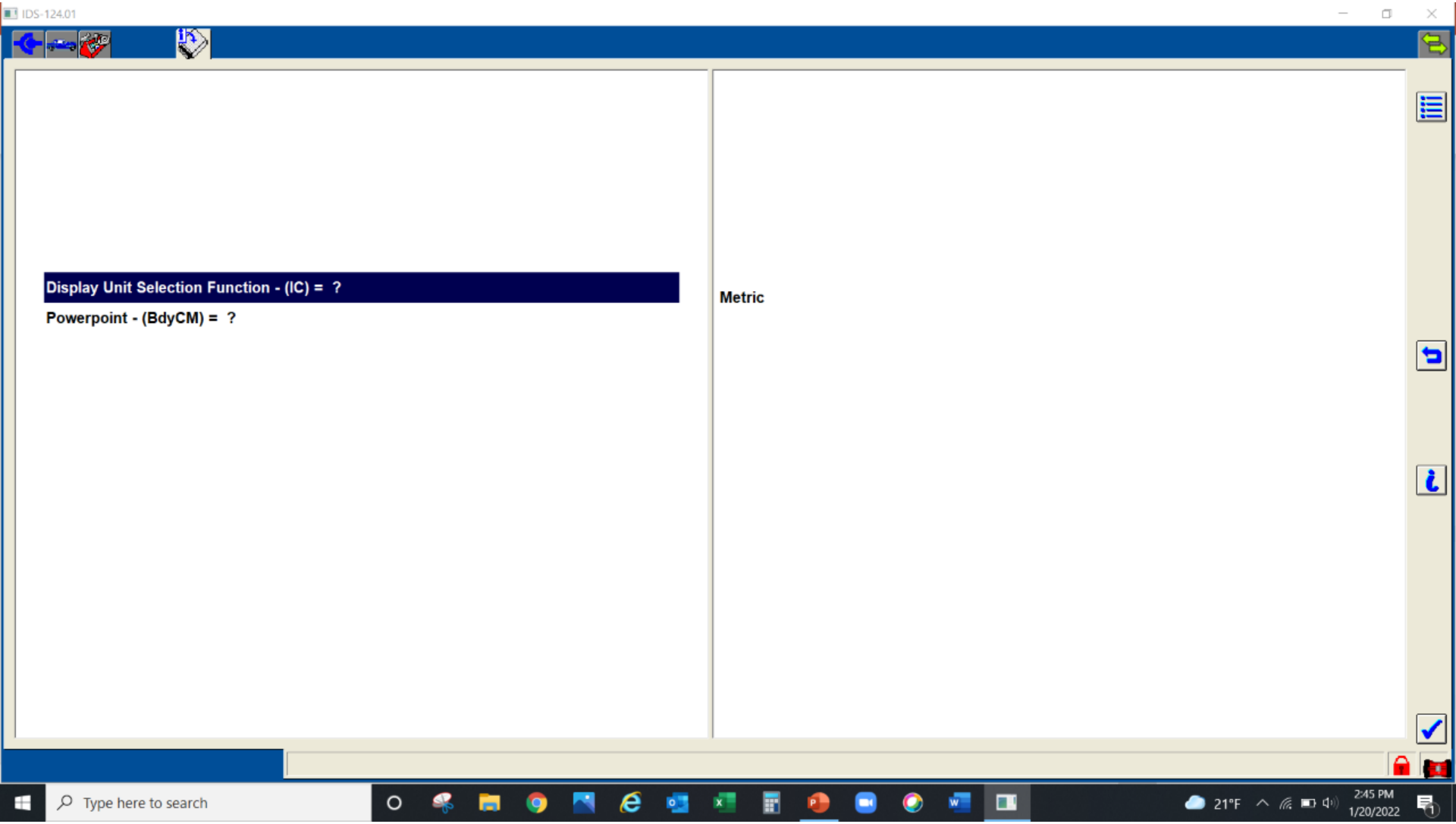

IDS-124.01
Programmable Module Installation
Module Reprogramming
Programmable Parameters
As-Built
Transmission
IVD Initialization Sequence
Speed Items
Vehicle
Personality
Exterior Lighting
Customer Connectivity Settings
Personality Advanced
Type here to search
21°F
2:42 PM
1/20/2022

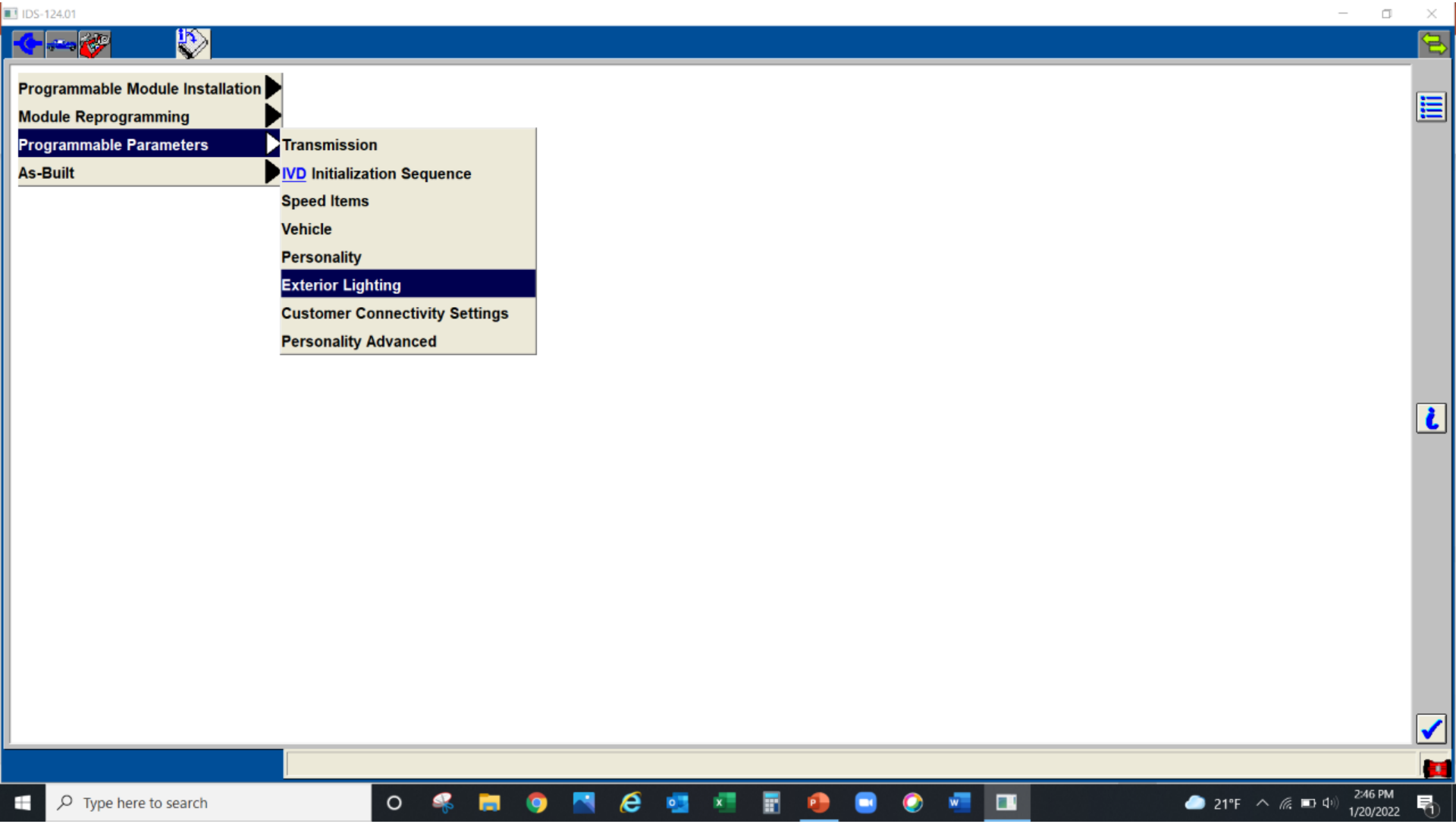

IDS-124.01
Vehicle Speed Limit - (PCM) = ?
No additional speed limit
65 MPH/105KPH
68 MPH/110KPH
Type here to search
21°F
2:43 PM
1/20/2022

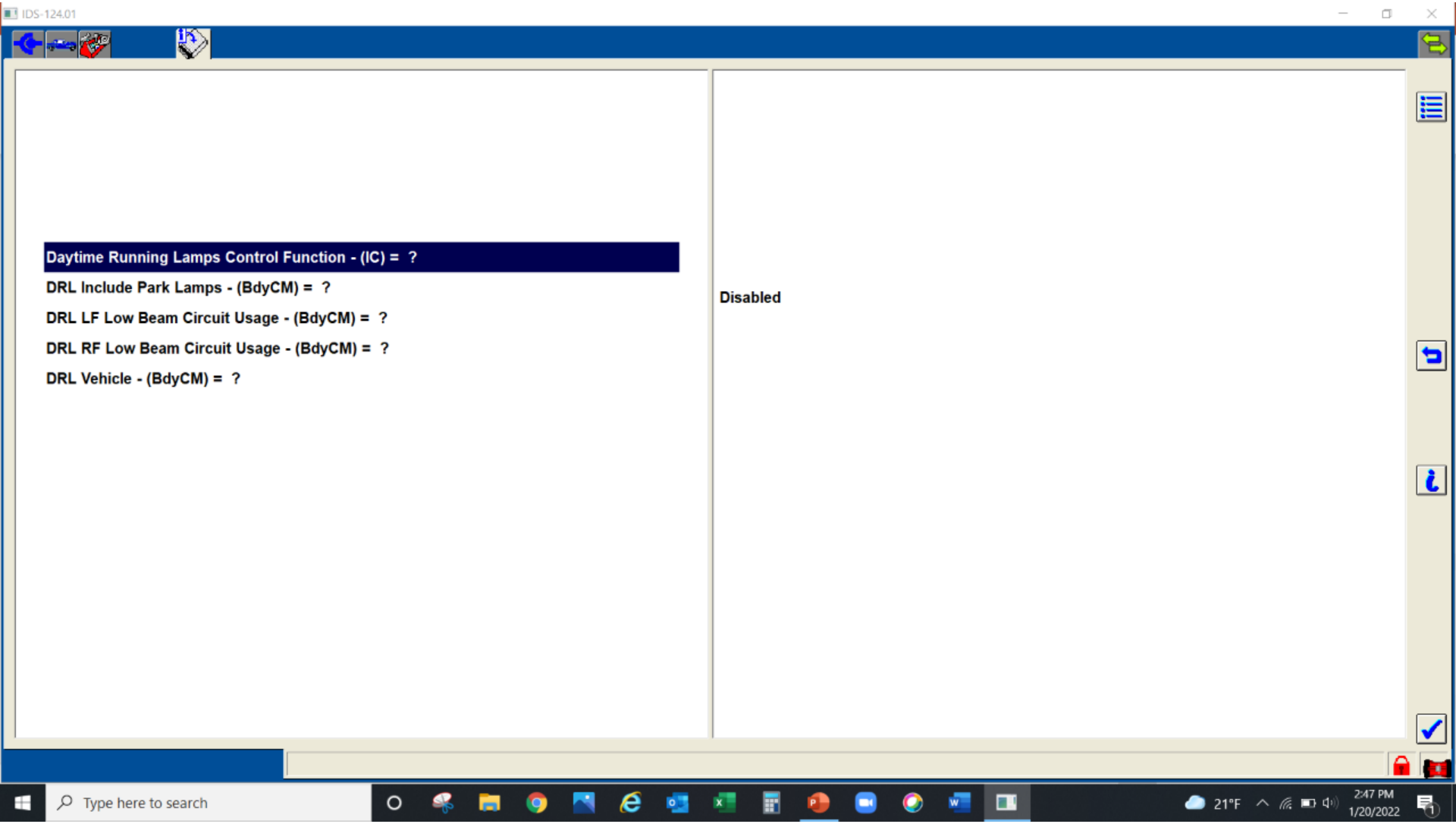

IDS-124.01
Programmable Module Installation
Module Reprogramming
Programmable Parameters
As-Built
Transmission
IVD Initialization Sequence
Speed Items
Vehicle
Personality
Exterior Lighting
Customer Connectivity Settings
Personality Advanced
Type here to search
21°F
2:44 PM
1/20/2022

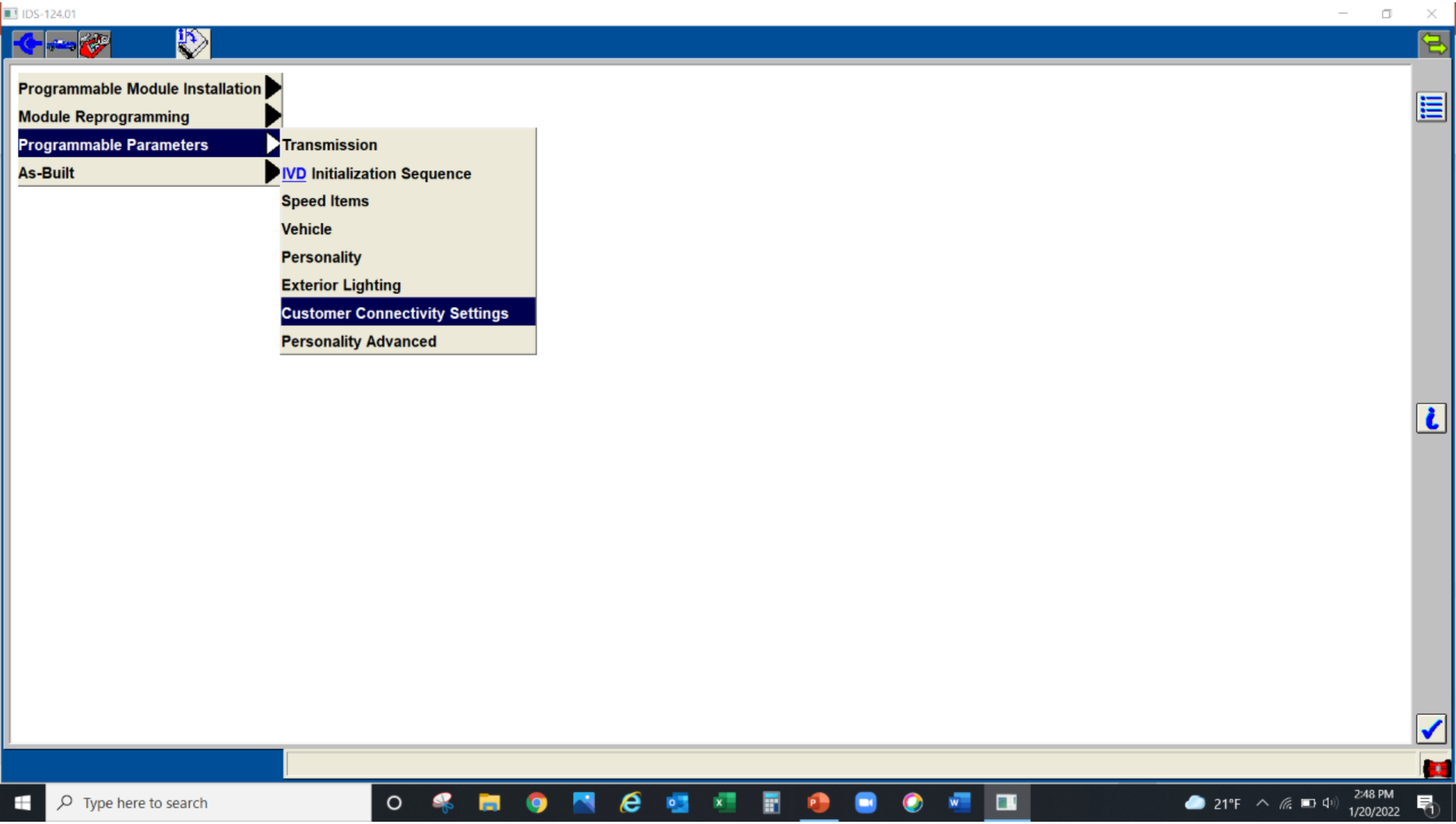

IDS-124.01
LROS Country - (IPMA) = ?
LROS Speed Limit Units - (IPMA) = ?
Canada
Type here to search
21°F
2:44 PM
1/20/2022

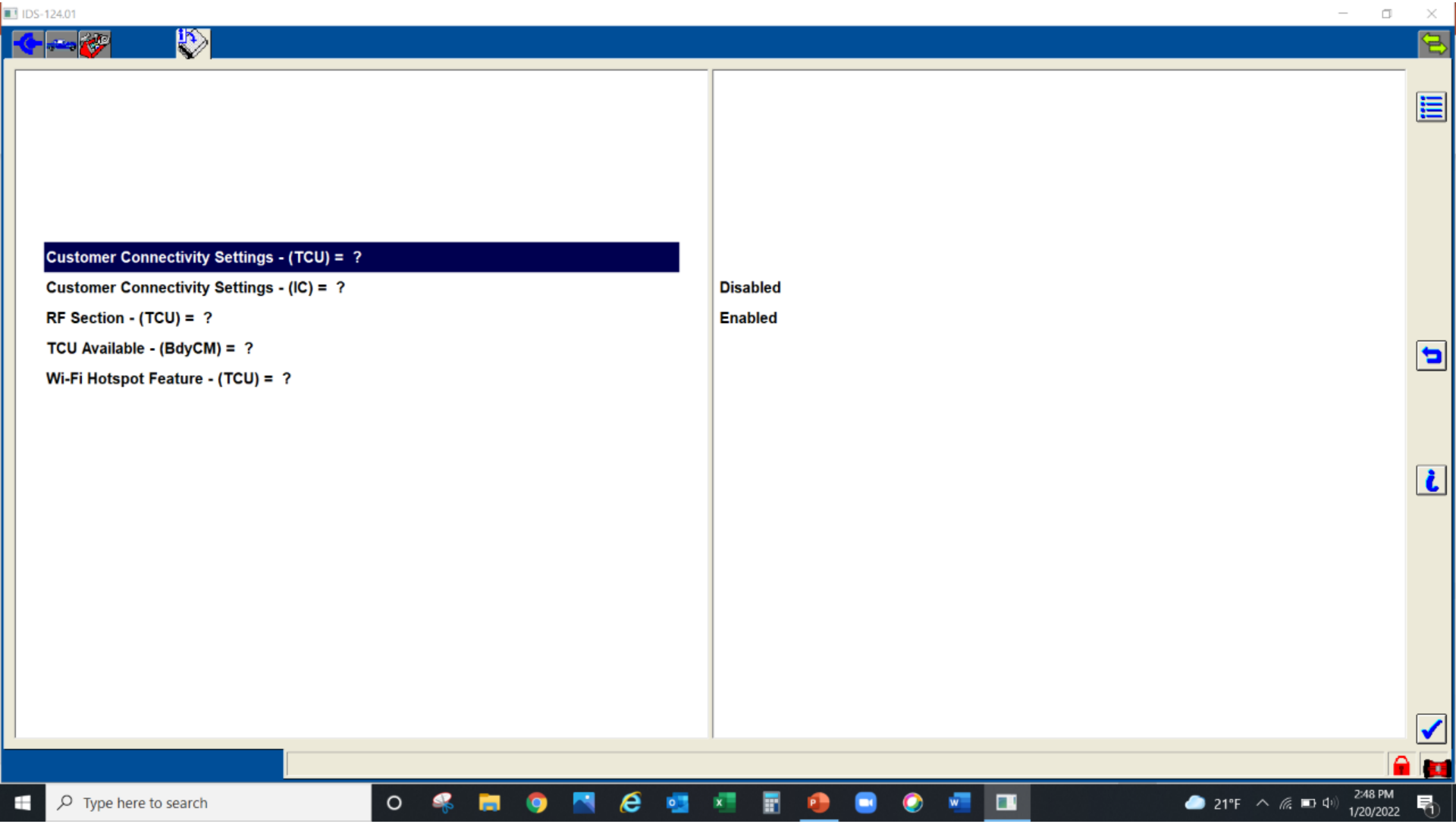

IDS-124.01
Programmable Module Installation
Module Reprogramming
Programmable Parameters
As-Built
Transmission
IVD Initialization Sequence
Speed Items
Vehicle
Personality
Exterior Lighting
Customer Connectivity Settings
Personality Advanced
Type here to search
21°F
2:45 PM
1/20/2022

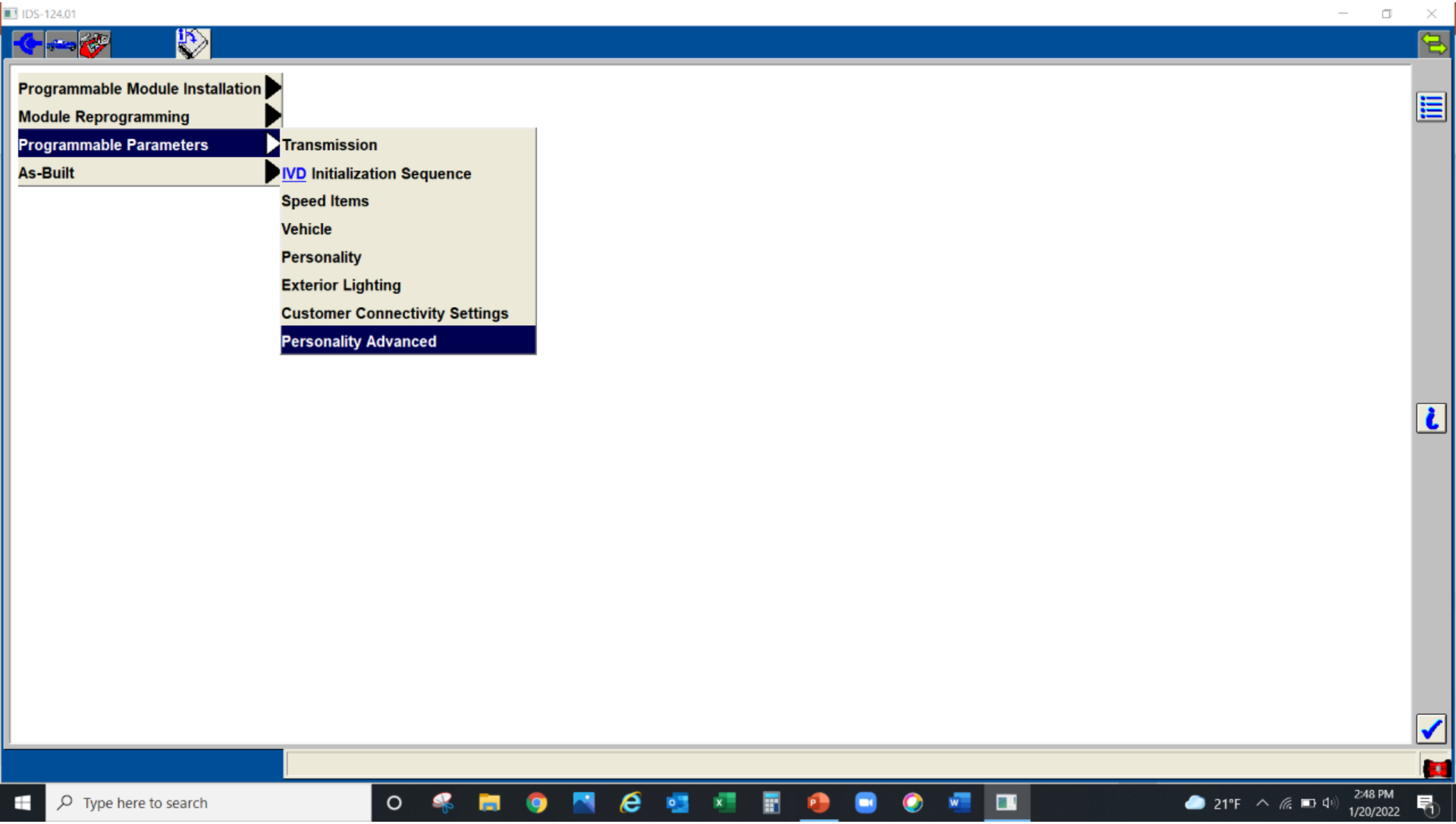

IDS-124.01
Display Unit Selection Function - (IC) = ?
Powerpoint - (BdyCM) = ?
Metric
Type here to search
21°F
2:45 PM
1/20/2022

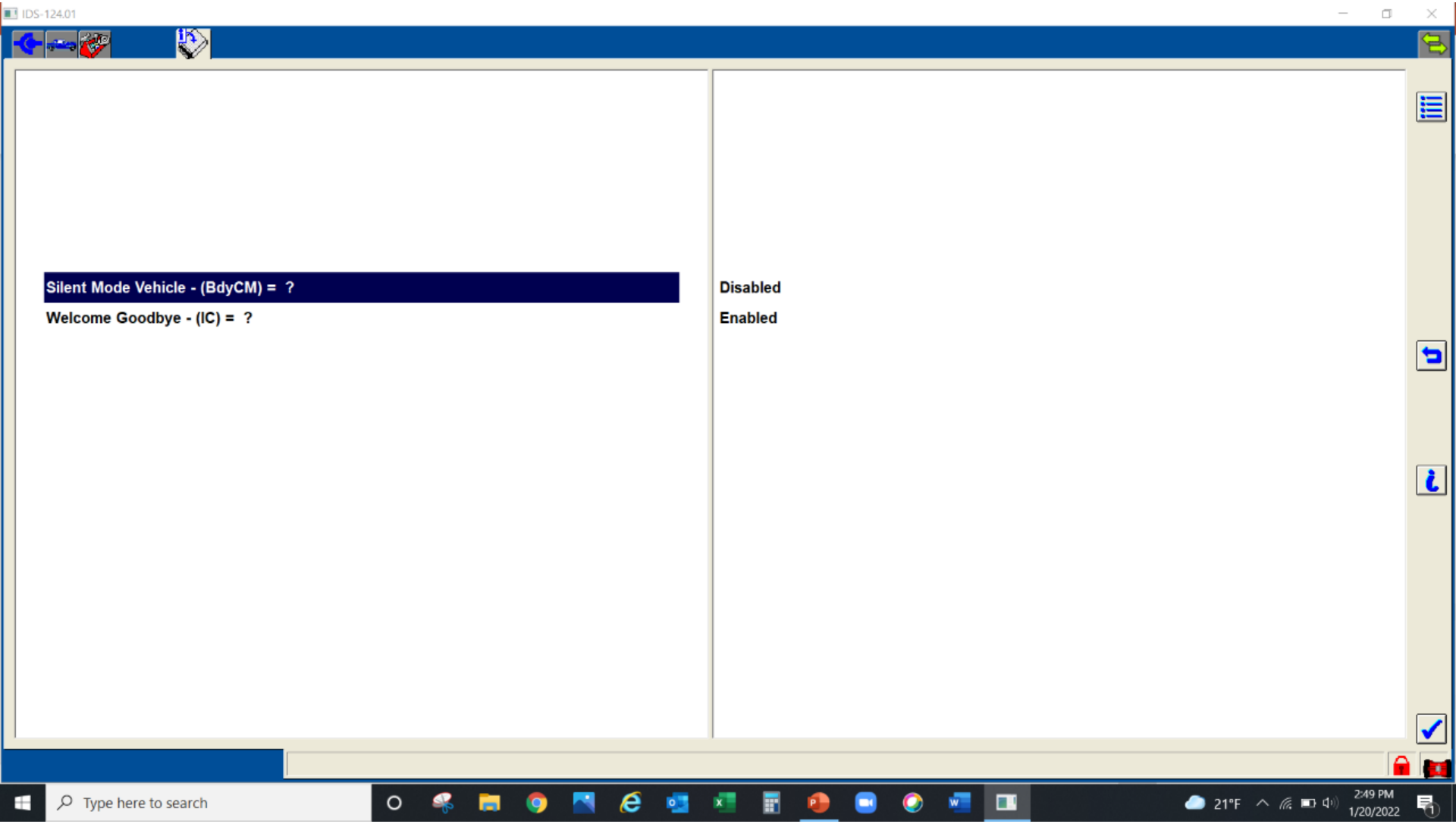

IDS-124.01
Programmable Module Installation
Module Reprogramming
Programmable Parameters
As-Built
Transmission
IVD Initialization Sequence
Speed Items
Vehicle
Personality
Exterior Lighting
Customer Connectivity Settings
Personality Advanced
Type here to search
21°F
2:46 PM
1/20/2022

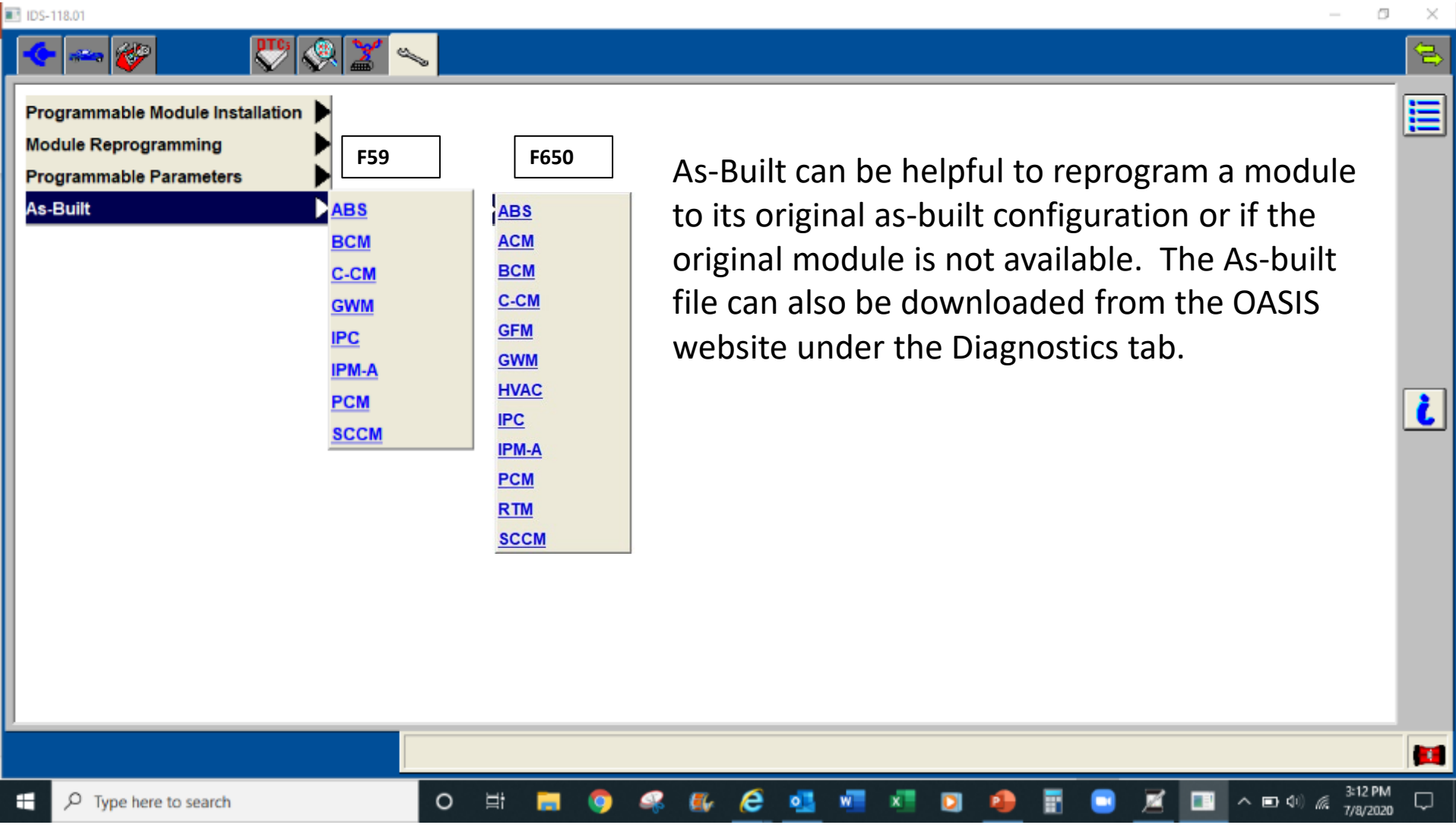

IDS-124.01
Daytime Running Lamps Control Function - (IC) = ?
DRL Include Park Lamps - (BdyCM) = ?
DRL LF Low Beam Circuit Usage - (BdyCM) = ?
DRL RF Low Beam Circuit Usage - (BdyCM) = ?
DRL Vehicle - (BdyCM) = ?
Disabled
Type here to search
21°F
2:47 PM
1/20/2022


IDS-124.01
Programmable Module Installation
Module Reprogramming
Programmable Parameters
As-Built
Transmission
IVD Initialization Sequence
Speed Items
Vehicle
Personality
Exterior Lighting
Customer Connectivity Settings
Personality Advanced
Type here to search
21°F
2:48 PM
1/20/2022

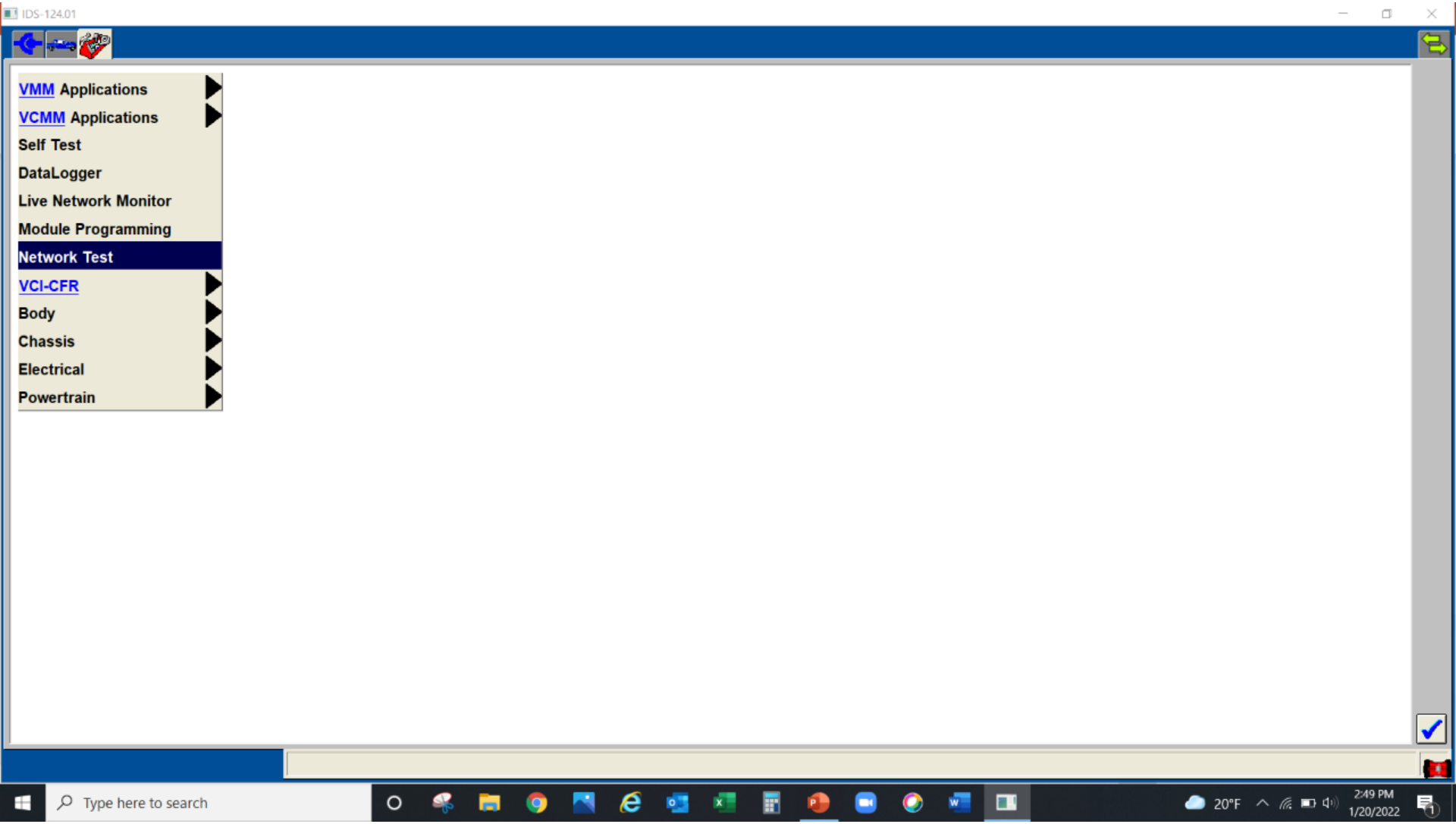

IDS-124.01
Customer Connectivity Settings - (TCU) = ?
Customer Connectivity Settings - (IC) = ?
RF Section - (TCU) = ?
TCU Available - (BdyCM) = ?
Wi-Fi Hotspot Feature - (TCU) = ?
Disabled
Enabled
Type here to search
21°F
2:48 PM
1/20/2022

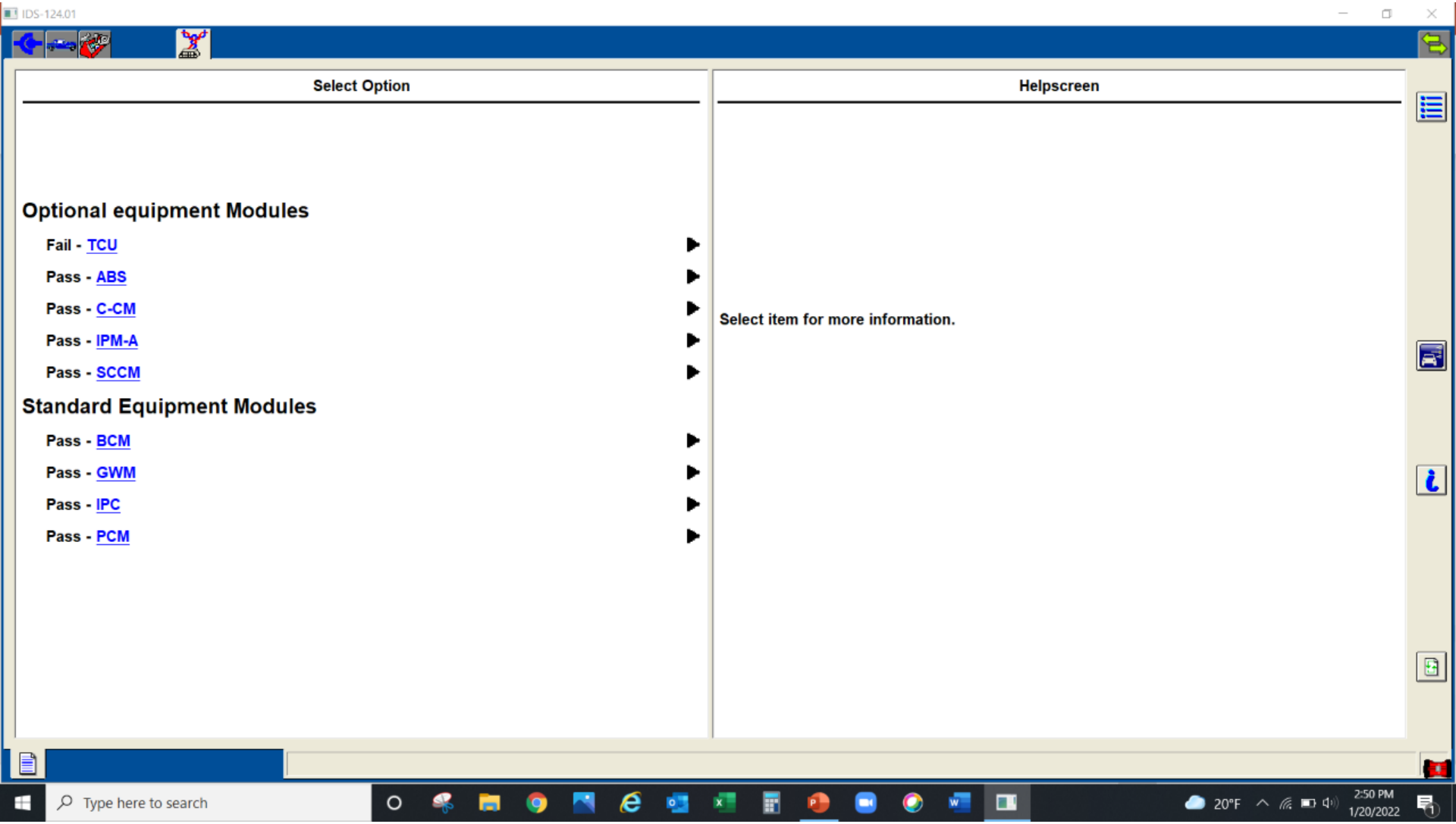

IDS-124.01
Programmable Module Installation
Module Reprogramming
Programmable Parameters
As-Built
Transmission
IVD Initialization Sequence
Speed Items
Vehicle
Personality
Exterior Lighting
Customer Connectivity Settings
Personality Advanced
Type here to search
21°F
2:48 PM
1/20/2022

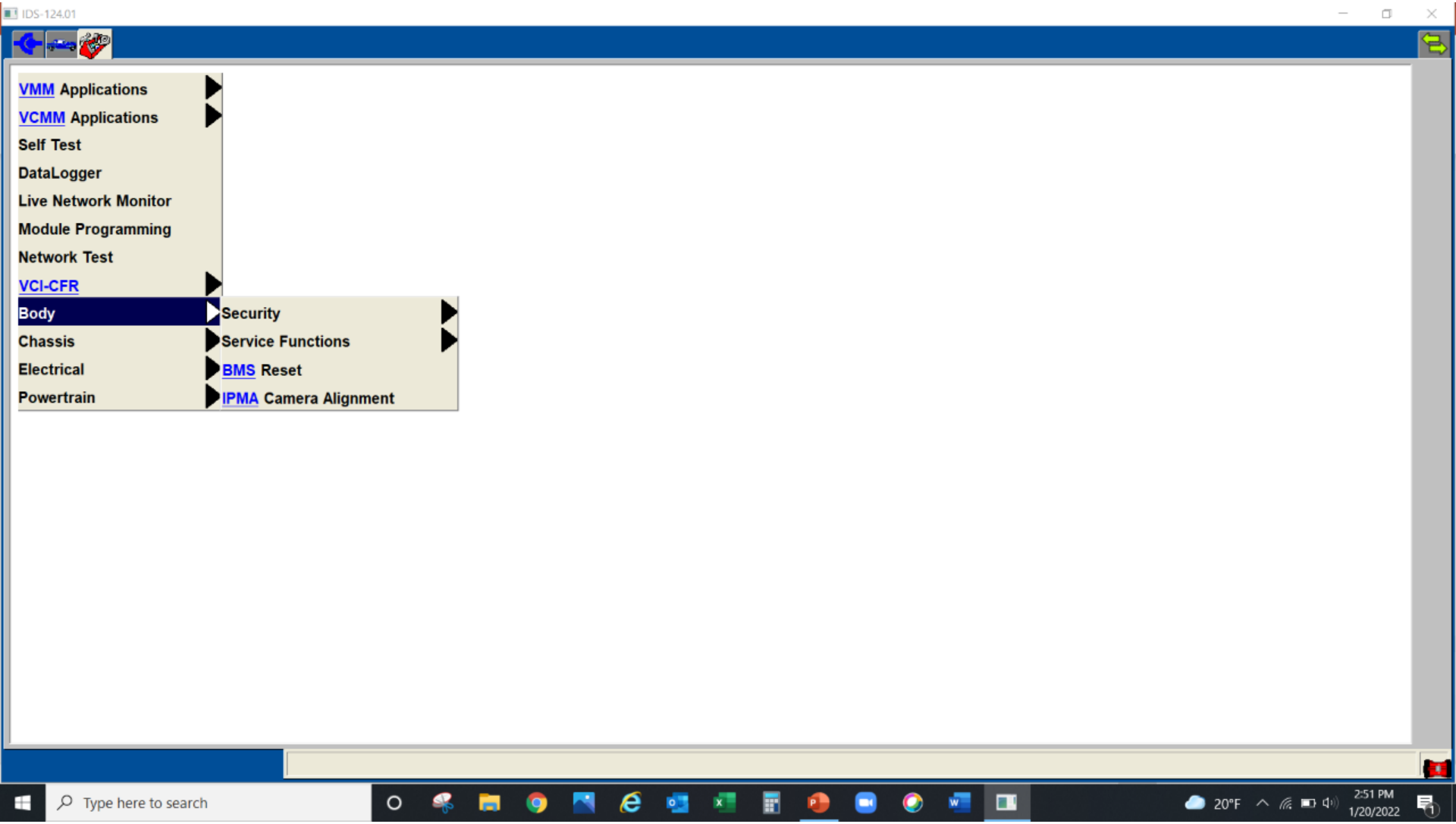

IDS-124.01
Silent Mode Vehicle - (BdyCM) = ?
Welcome Goodbye - (IC) = ?
Disabled
Enabled
Type here to search
21°F
2:49 PM
1/20/2022

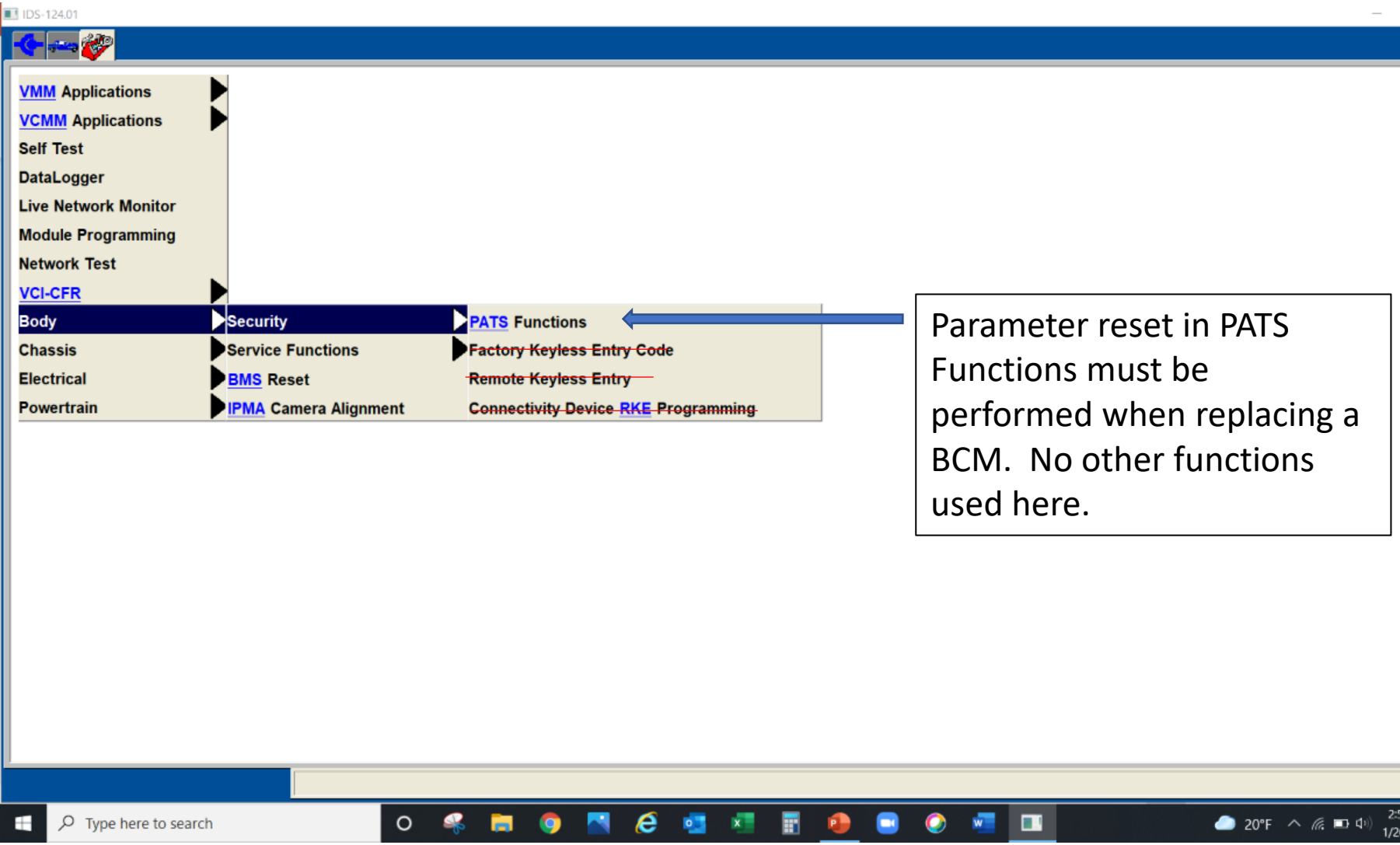


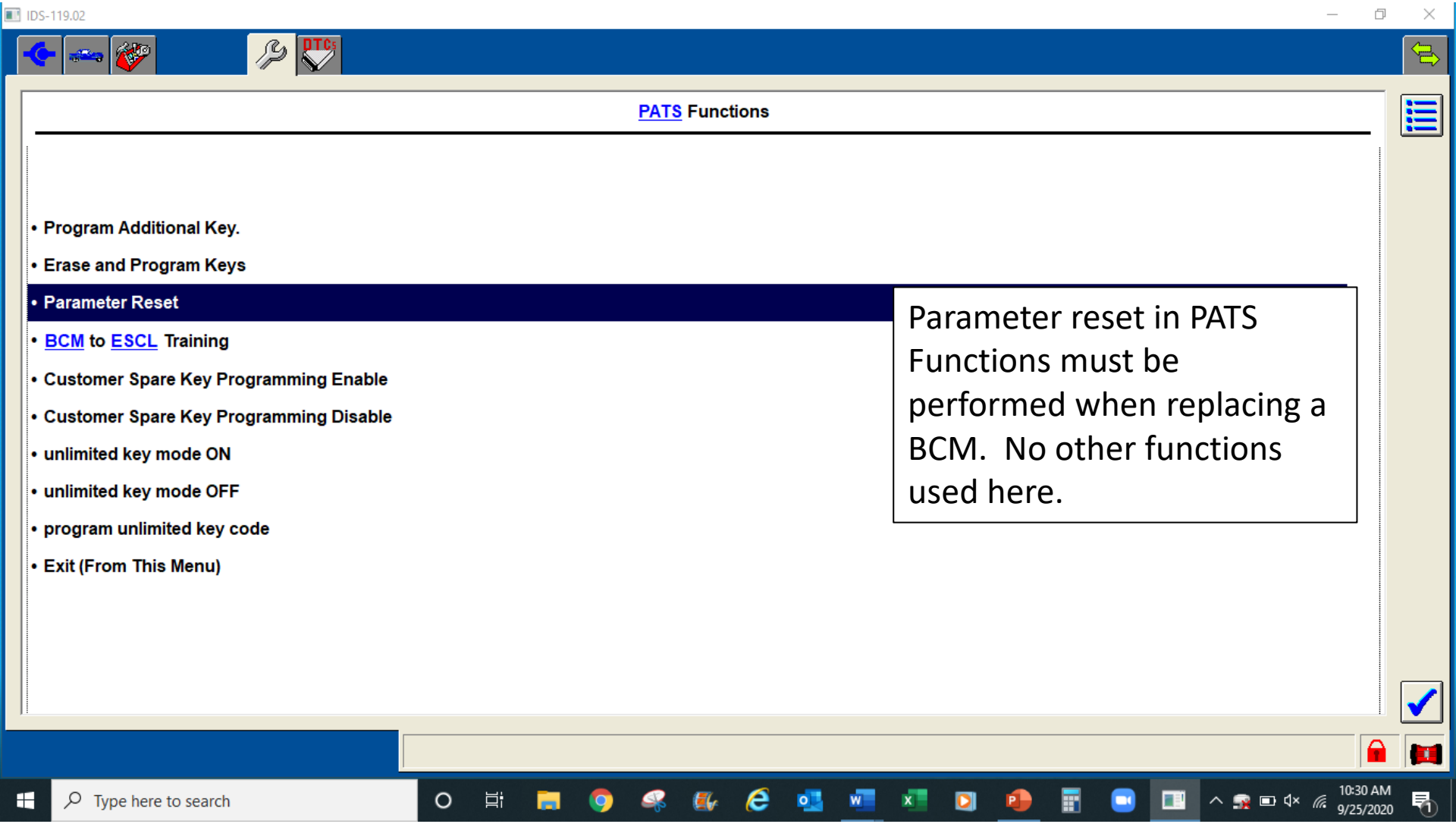
As-Built can be helpful to reprogram a module to its original as-built configuration or if the original module is not available. The As-built file can also be downloaded from the OASIS website under the Diagnostics tab.

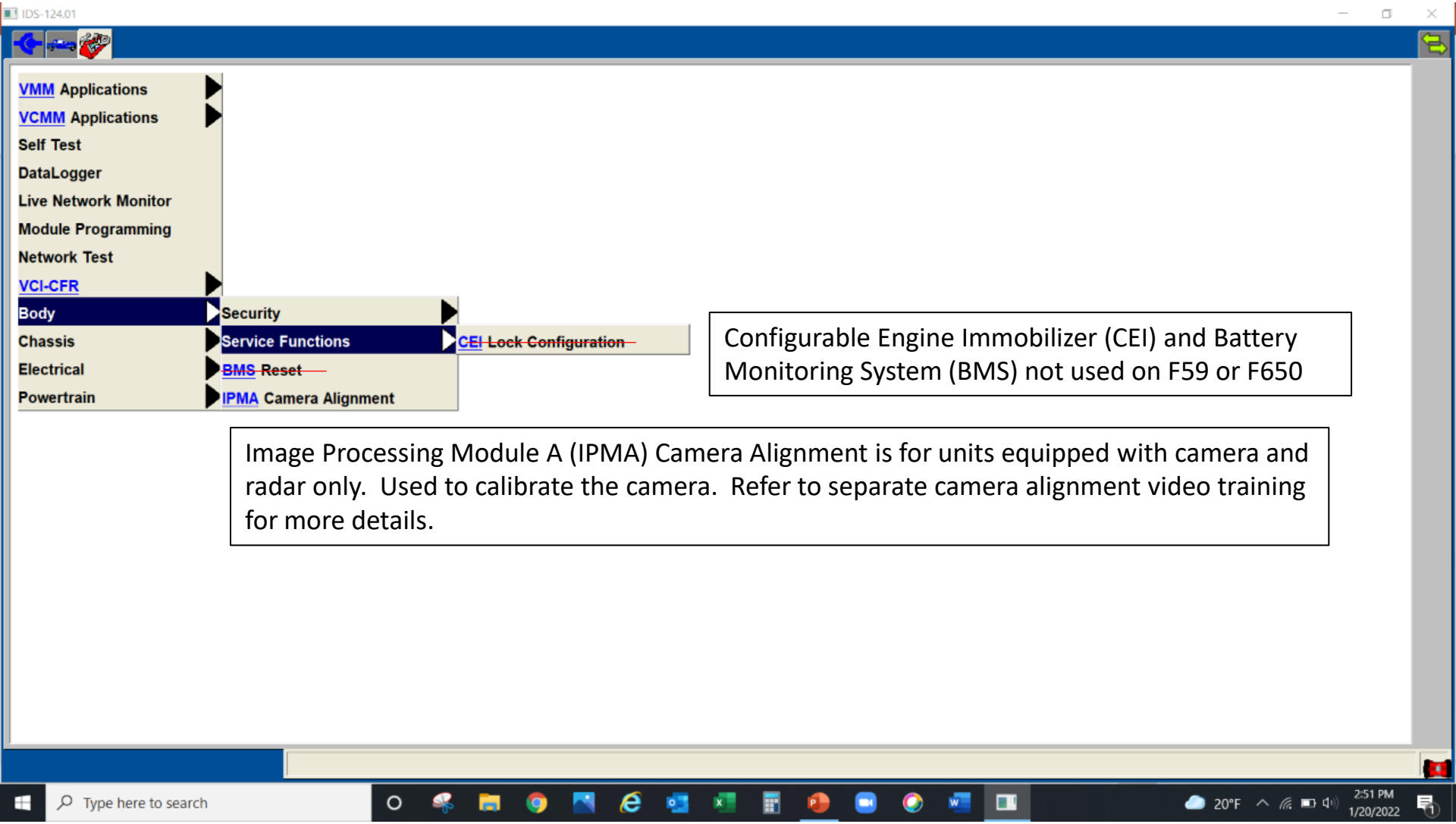

IDS-124.01
VMM Applications
VCMM Applications
Self Test
DataLogger
Live Network Monitor
Module Programming
Network Test
VCI-CFR
Body
Chassis
Electrical
Powertrain
Type here to search
20°F
2:49 PM
1/20/2022

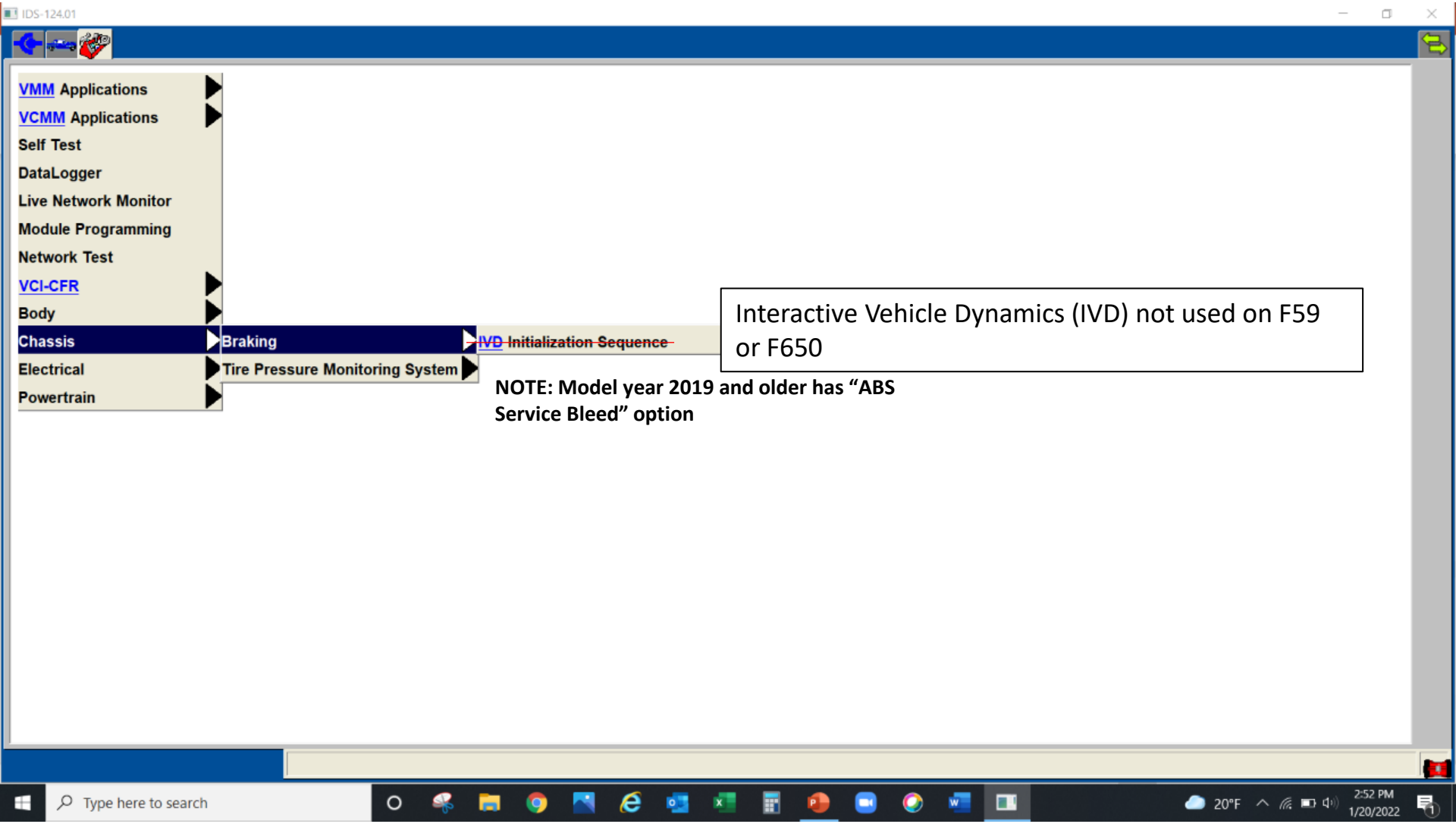

IDS-124.01
Select Option
Helpscreen
Optional equipment Modules
Fail - TCU
Pass - ABS
Pass - C-CM
Pass - IPM-A
Pass - SCCM
Standard Equipment Modules
Pass - BCM
Pass - GWM
Pass - IPC
Pass - PCM
Select item for more information.
Type here to search
20°F
2:50 PM
1/20/2022

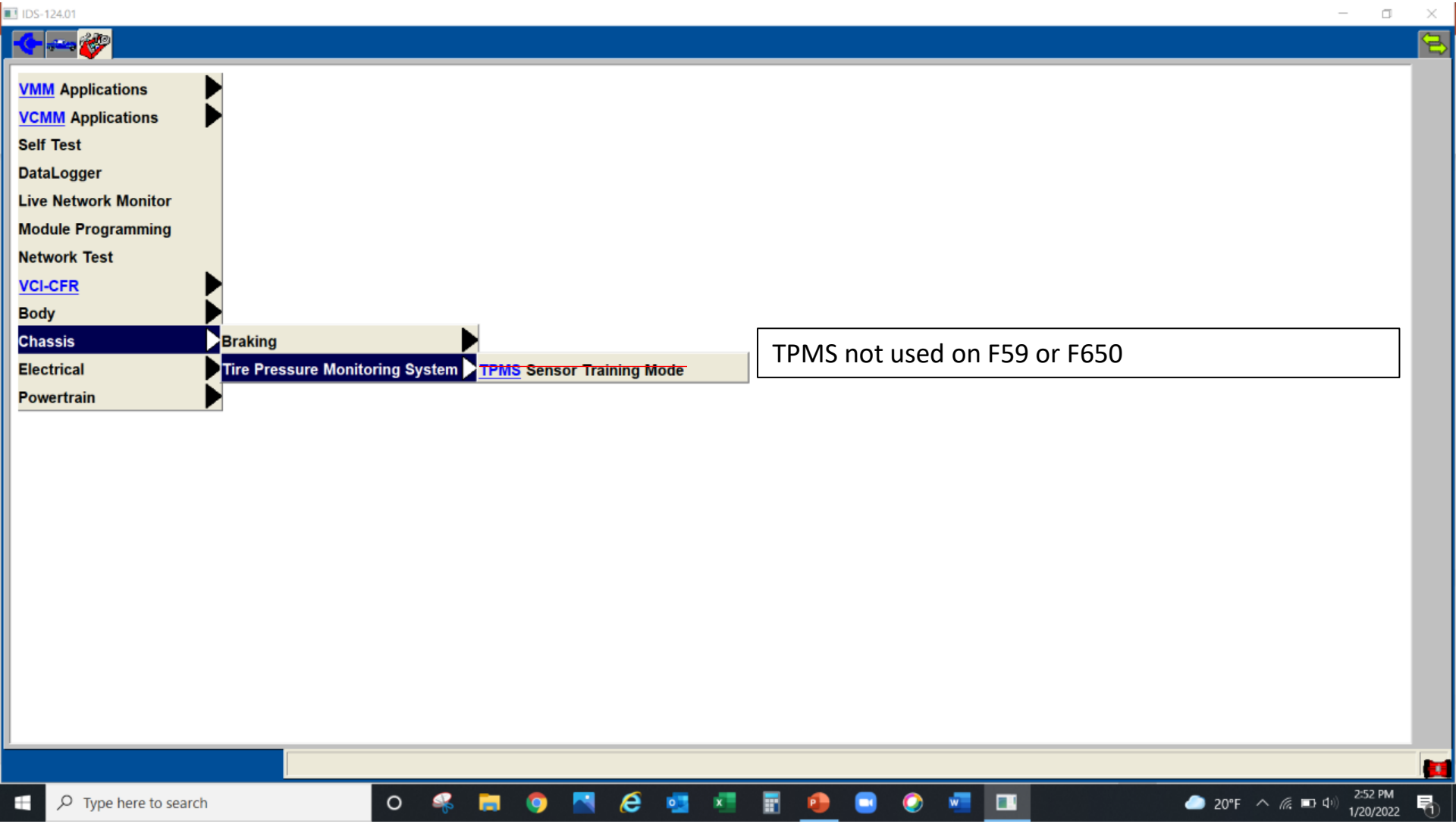

IDS-124.01
VMM Applications
VCMM Applications
Self Test
DataLogger
Live Network Monitor
Module Programming
Network Test
VCI-CFR
Body
Chassis
Electrical
Powertrain
Security
Service Functions
BMS Reset
IPMA Camera Alignment
Type here to search
20°F
2:51 PM
1/20/2022

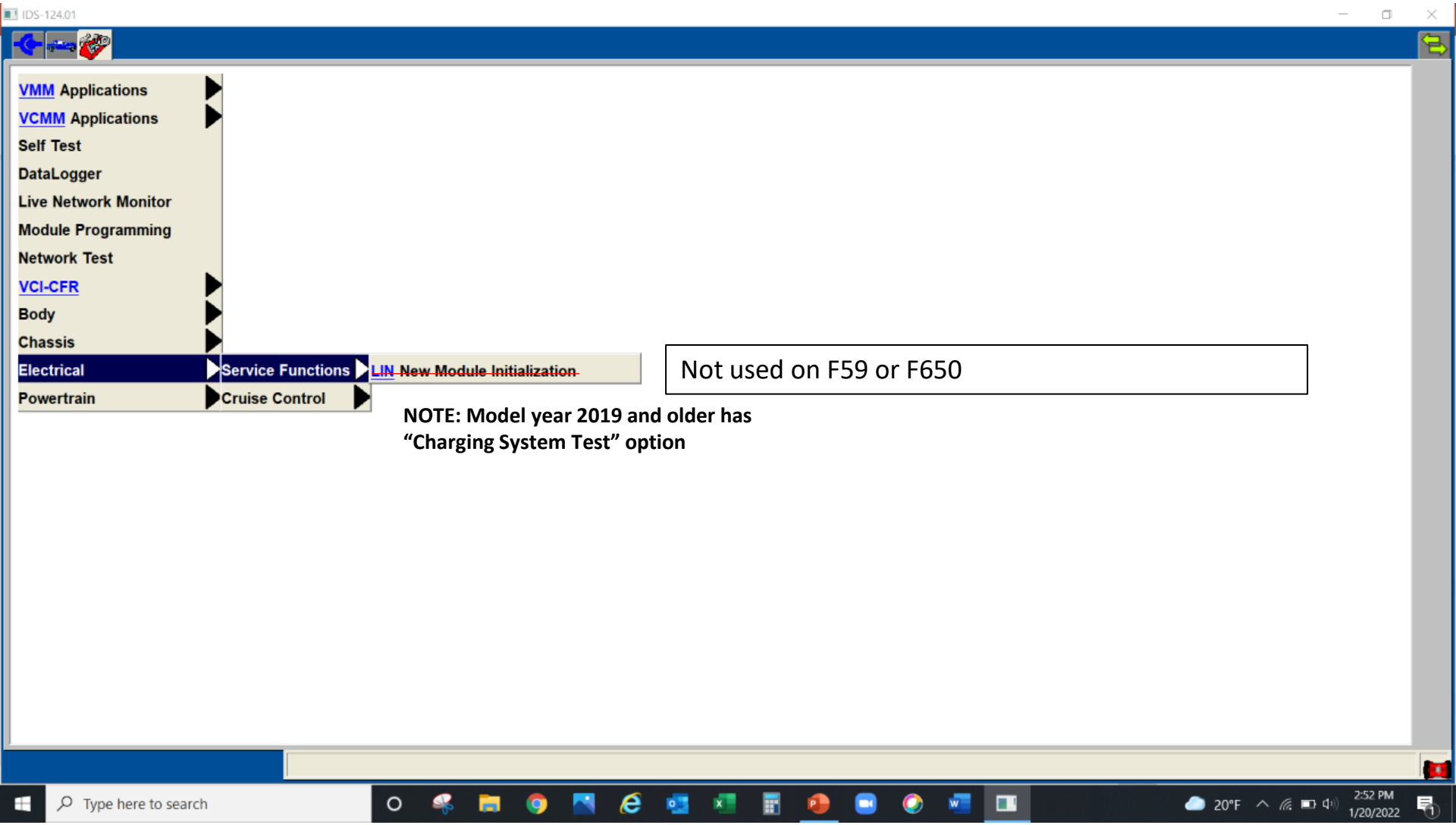

IDS-124.01
VMM Applications
VCMM Applications
Self Test
DataLogger
Live Network Monitor
Module Programming
Network Test
VCI-CFR
Body
Chassis
Electrical
Powertrain
Security
Service Functions
BMS Reset
IPMA Camera Alignment
PATS Functions
Factory Keyless Entry Code
Remote Keyless Entry
Connectivity Device RKE Programming
Parameter reset in PATS Functions must be performed when replacing a BCM. No other functions used here.
Type here to search
20°F
2:51 PM
1/20/2022

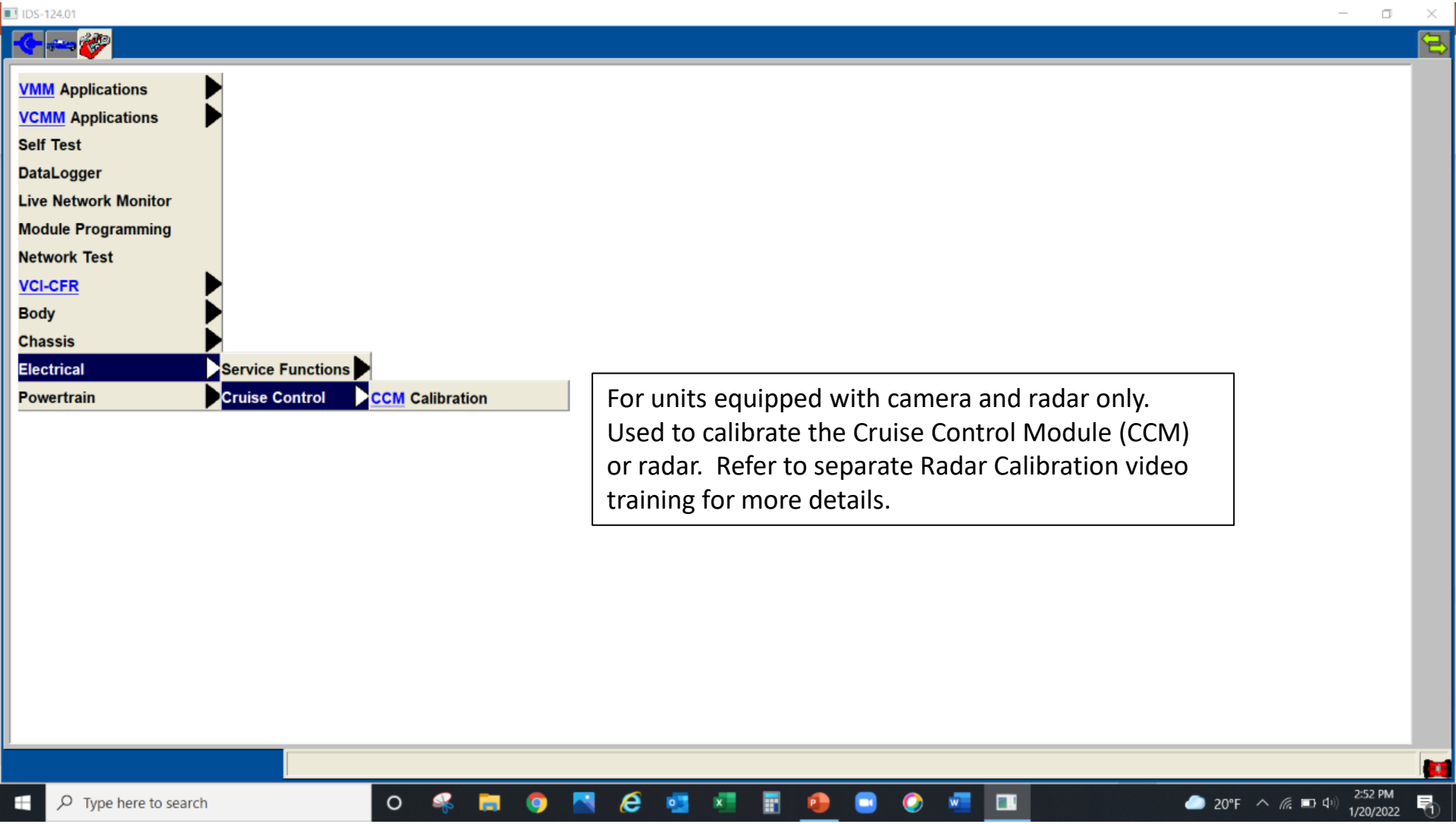

IDS-119.02
DTCs
PATS Functions
• Program Additional Key.
• Erase and Program Keys
• Parameter Reset
• BCM to ESCL Training
• Customer Spare Key Programming Enable
• Customer Spare Key Programming Disable
• unlimited key mode ON
• unlimited key mode OFF
• program unlimited key code
• Exit (From This Menu)
Parameter reset in PATS Functions must be performed when replacing a BCM. No other functions used here.
Type here to search
10:30 AM
9/25/2020


IDS-124.01
VMM Applications
VCMM Applications
Self Test
DataLogger
Live Network Monitor
Module Programming
Network Test
VCI-CFR
Body
Chassis
Electrical
Powertrain
Security
Service Functions
CEI Lock Configuration
BMS Reset
IPMA Camera Alignment
Configurable Engine Immobilizer (CEI) and Battery Monitoring System (BMS) not used on F59 or F650
Image Processing Module A (IPMA) Camera Alignment is for units equipped with camera and radar only. Used to calibrate the camera. Refer to separate camera alignment video training for more details.
Type here to search
20°F
2:51 PM
1/20/2022

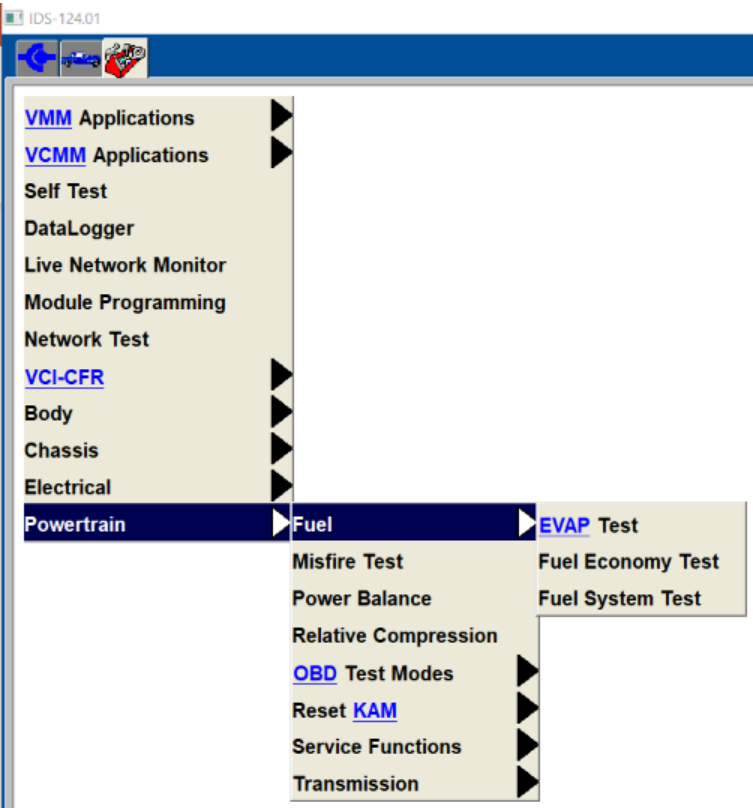

IDS-124.01
VMM Applications
VCMM Applications
Self Test
DataLogger
Live Network Monitor
Module Programming
Network Test
VCI-CFR
Body
Chassis
Electrical
Powertrain
Braking
Tire Pressure Monitoring System
IVD Initialization Sequence
Interactive Vehicle Dynamics (IVD) not used on F59 or F650
NOTE: Model year 2019 and older has “ABS Service Bleed” option
Type here to search
20°F
2:52 PM
1/20/2022


IDS-124.01
VMM Applications
VCMM Applications
Self Test
DataLogger
Live Network Monitor
Module Programming
Network Test
VCI-CFR
Body
Chassis
Electrical
Powertrain
Braking
Tire Pressure Monitoring System
TPMS Sensor Training Mode
TPMS not used on F59 or F650
Type here to search
20°F
2:52 PM
1/20/2022

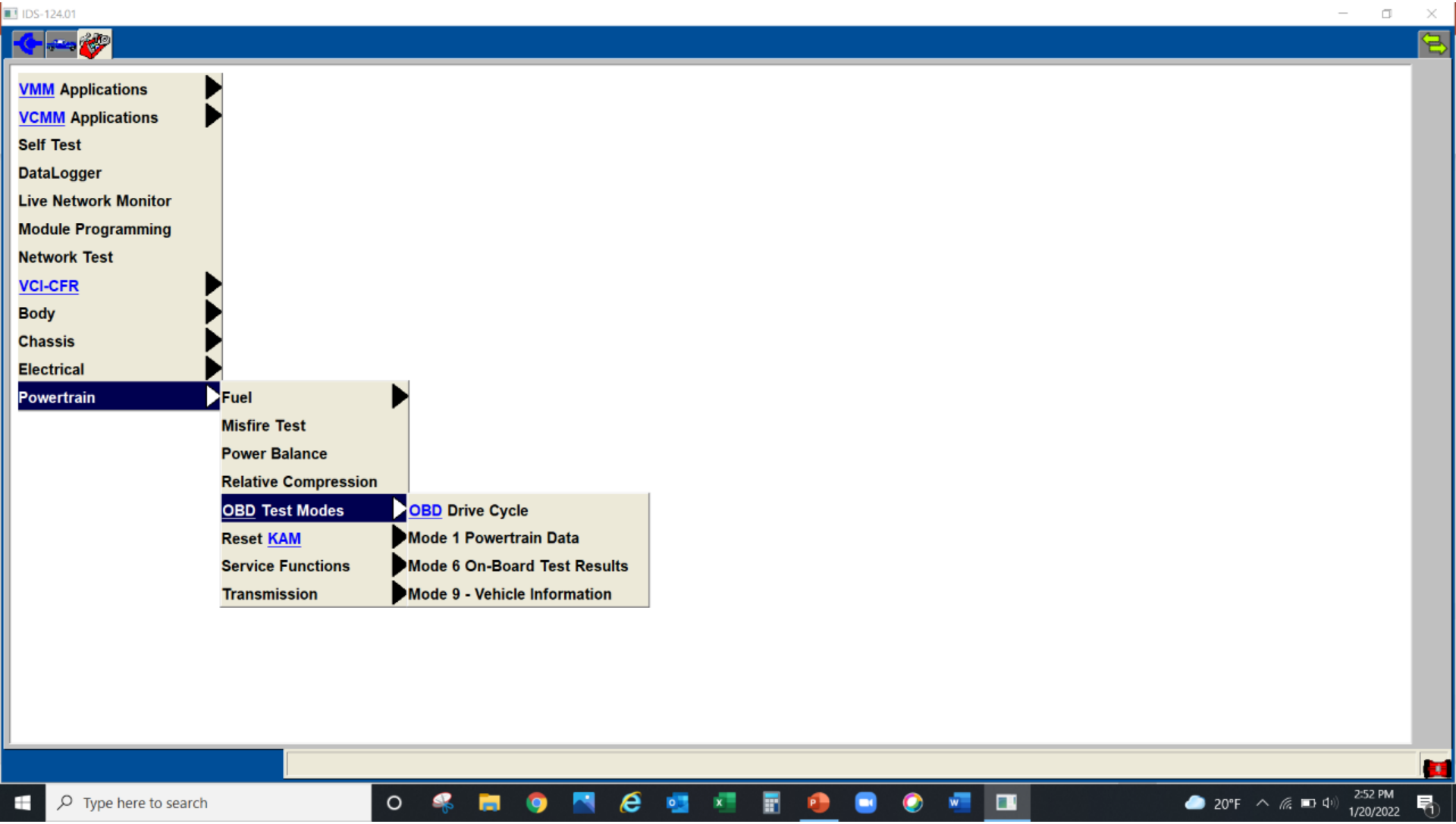

IDS-124.01
VMM Applications
VCMM Applications
Self Test
DataLogger
Live Network Monitor
Module Programming
Network Test
VCI-CFR
Body
Chassis
Electrical
Powertrain
Service Functions
Cruise Control
LIN New Module Initialization
Not used on F59 or F650
NOTE: Model year 2019 and older has
“Charging System Test” option
Type here to search
20°F
2:52 PM
1/20/2022

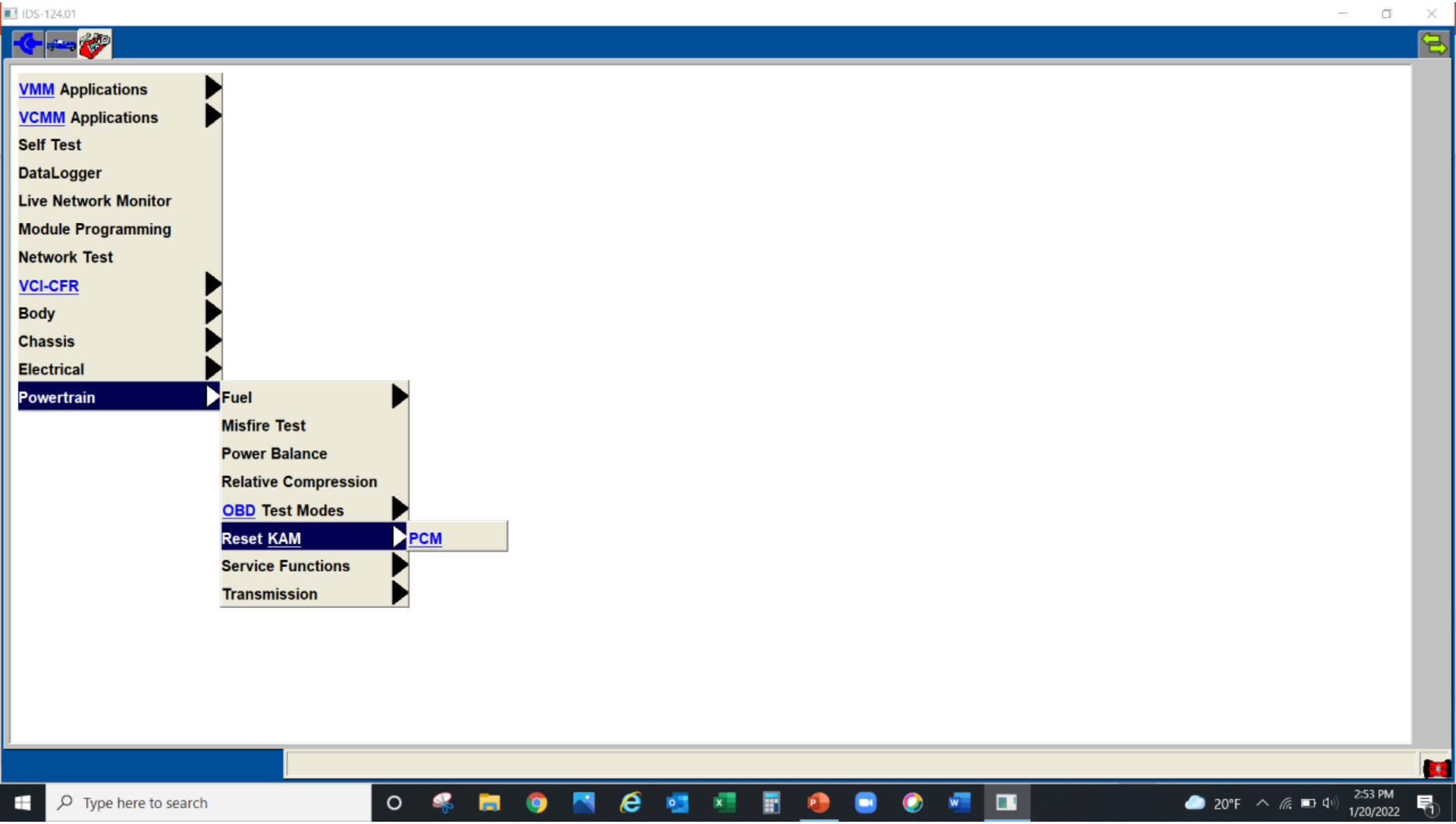


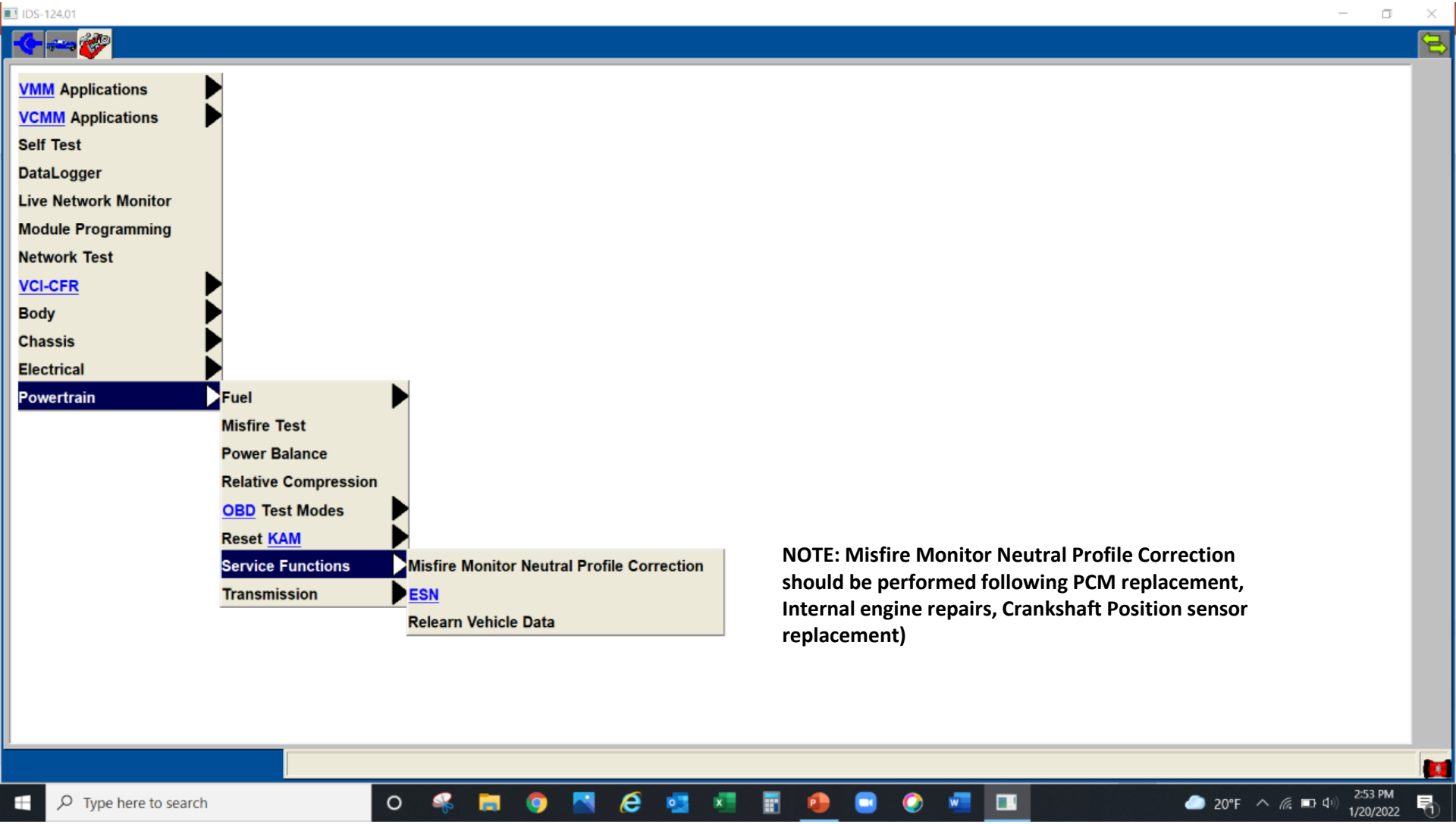
For units equipped with camera and radar only. Used to calibrate the Cruise Control Module (CCM) or radar. Refer to separate Radar Calibration video training for more details.

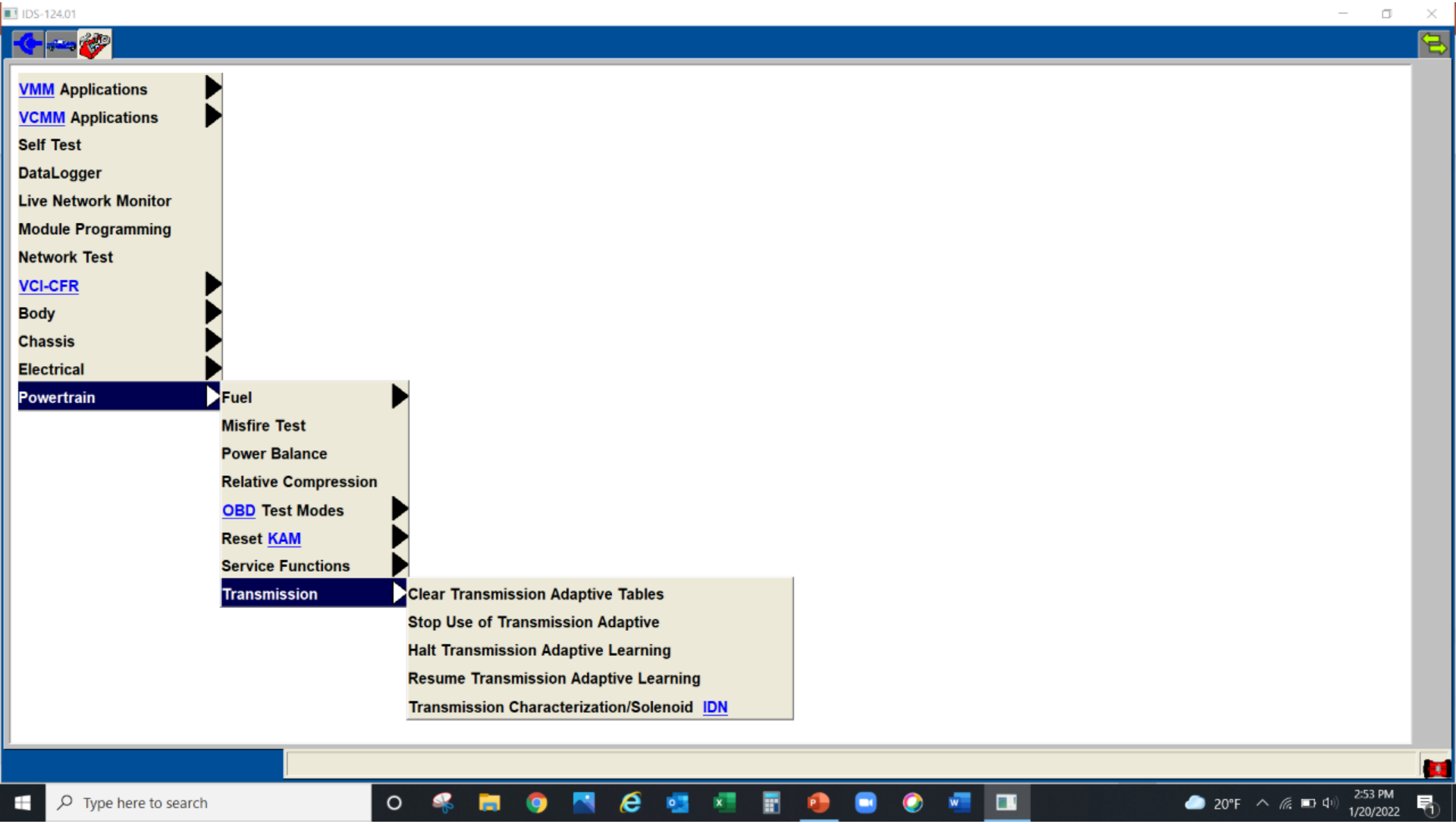


NOTES: Misfire test not available on F650. Model year 2019 and older has "Ignition Tools " option with "Ignition Test" that Analyzes the condition of the secondary ignition system by monitoring spark activity using capacitive pickups.


IDS-124.01
VMM Applications
VCMM Applications
Self Test
DataLogger
Live Network Monitor
Module Programming
Network Test
VCI-CFR
Body
Chassis
Electrical
Powertrain
Fuel
Misfire Test
Power Balance
Relative Compression
OBD Test Modes
Reset KAM
Service Functions
Transmission
OBD Drive Cycle
Mode 1 Powertrain Data
Mode 6 On-Board Test Results
Mode 9 - Vehicle Information
Type here to search
20°F
2:52 PM
1/20/2022


IDS-124.01
VMM Applications
VCMM Applications
Self Test
DataLogger
Live Network Monitor
Module Programming
Network Test
VCI-CFR
Body
Chassis
Electrical
Powertrain
Fuel
Misfire Test
Power Balance
Relative Compression
OBD Test Modes
Reset KAM
PCM
Service Functions
Transmission
Type here to search
20°F
2:53 PM
1/20/2022


IDS-124.01
VMM Applications
VCMM Applications
Self Test
DataLogger
Live Network Monitor
Module Programming
Network Test
VCI-CFR
Body
Chassis
Electrical
Powertrain
Fuel
Misfire Test
Power Balance
Relative Compression
OBD Test Modes
Reset KAM
Service Functions
Transmission
Misfire Monitor Neutral Profile Correction
ESN
Relearn Vehicle Data
NOTE: Misfire Monitor Neutral Profile Correction should be performed following PCM replacement, Internal engine repairs, Crankshaft Position sensor replacement)
Type here to search
20°F
2:53 PM
1/20/2022


IDS-124.01
VMM Applications
VCMM Applications
Self Test
DataLogger
Live Network Monitor
Module Programming
Network Test
VCI-CFR
Body
Chassis
Electrical
Powertrain
Fuel
Misfire Test
Power Balance
Relative Compression
OBD Test Modes
Reset KAM
Service Functions
Transmission
Clear Transmission Adaptive Tables
Stop Use of Transmission Adaptive
Halt Transmission Adaptive Learning
Resume Transmission Adaptive Learning
Transmission Characterization/Solenoid IDN
Type here to search
20°F
2:53 PM
1/20/2022