

From: [REDACTED]
Sent: Monday, February 26, 2024 8:05 AM
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: [REDACTED] units up for POTA push 441/113

Explanation of the proposed POTA-

push:

POTA-push is to set 441-113 parameter to disable.
Disabling 441-113 allows 441-002 option 2 to work as designed.

Without 441-002 option 2, drivers are allowed to override IPM while ascending a hill in Cruise Control. When IPM lets the CC speed droop while ascending a hill, enhancing fuel economy, the driver can depress the accel pedal and regain full CC max speed using the accel pedal. This action eliminates the split between RSL/CCSL, and negates the FE benefit of IPM.

This results in reduced FE. Allowing the driver to remain on the accel pedal also defeats Adaptive CC, which reduces this safety benefit as well.

Disabling 441-113 allows 441-002 option 2 to work as designed.

441-002 option 2 stops the driver from overriding IPM, resulting in better FE. With 441-002 option 2 working, if the driver depresses the accel pedal while climbing a hill in CC, it resets his CC to RSL limit. He sees no speed benefit from depressing the accel pedal, so he stays in CC, gaining the FE benefit, and the safety benefit of ACC.

