I-25012

**OC Subsection:** [[F-3694]](#3694) New OC Subsection: 06 Driving / Regenerative Braking

**Description:**

Maturity B  
Goal: To provide users with a preferred level of regenerative braking  
Scope: SWP as input, VCU & BMS and other EV parts  
Context: When the driver is not in one pedal mode, he has the ability to choose level of deceleration during the coasting of the EV (when the acceleration pedal is released) that increases the range of EV, but a high level of deceleration may not be good enough in bad road conditions when the car could slip on snow, ice, or a wet road. That is why we give users a set of options: low, normal, or high. Another part we provide for "legacy" drivers is the ability to switch regenerative braking fully off - like in classic gasoline cars

Actors: Driver

Preconditions:

* One pedal mode is disabled

Trigger:

Driver use SWP in\_2 to configure regenerative breaking:

Requerments:

* System provide to set one of pre-colibrated settings for regenerative breaking: Low/Normal/High
* User can switches off regenerative braking
* Current level of recuperation is displayed on SWP out\_5

**Priority:** Normal

**Type**: Use Case CF