

# FORD LDM Localization - 功能 #2980

功能 # 2519 (已关闭): Ford\_SYSR: System Requirement

## Ford\_SYSR : FS\_REQ0018&REQ0020\_V1 High Beam

2024-10-31 16:52 - 玉洁 金

状态:	已关闭	开始日期:	2024-10-31
优先级:	普通	计划完成日期:	2024-11-07
指派给:	玉洁 金	% 完成:	100%
类别:		预期时间:	0.00 小时
目标版本:	H003_SW0007169.A001.8	耗时:	0.00 小时

### 描述

#### REQ0018 High Beam (HB) BCM EEL LIN Activation

High beam (of any type) shall only activate if IGN is in Run or Start.

The high beam function shall be capable of being activated/deactivated in steady state between 0% and 100% using an output PWM at 200 Hz capable of 100 light level steps. The LDM shall activate all channels assigned to HB up to 100% when the ' High\_Beam\_Status ' transitions from ' 0 ' to ' 1 ' within the time provided by ' LDM\_HB\_RampingSpeed ' in both BCM\_E\_FC1 and BCM\_E\_FC2 EEL LIN command frames. This signal will command the LDM to fade at an Immediate (within latency requirement), Fast, Medium, or Slow speed, which are configured by the parameters ' HB\_fade\_fast\_spd\_cfg ', ' HB\_fade\_med\_spd\_cfg ', and ' HB\_fade\_slow\_spd\_cfg ', respectively. In each, the fade is a set length of time set by parameter.

The list of fade times is below:

- 0x00= 100mS fading time
- 0x01= 200mS fading time
- 0x02= 300mS fading time
- 0x03= 400mS fading time
- 0x04= 500mS fading time
- 0x05= 600mS fading time
- 0x06= 800mS fading time
- 0x07= 1000mS fading time
- 0x08= 1250mS fading time
- 0x09= 1500mS fading time
- 0x0A= 1750mS fading time
- 0x0B= 2000mS fading time
- 0x0C= 2500mS fading time
- 0x0D= 3000mS fading time
- 0x0E= 3500mS fading time
- 0x0F= 4000mS fading time

#### REQ0020 High Beam LDM standard ramping

The LDM shall also have the option to select a standard LDM ramping time within parameters. To do this the parameter ' HB\_Ramping\_method\_cfg ' shall be set to ' 1 ' and the parameter setting of

' LDM\_internal\_standard\_ramping\_cfg ', which is configurable to immediate, 100ms, 150ms, and 200ms.

' HB\_Ramping\_method\_cfg ' is used to choose the ramping method of BCM EEL LIN BCM or LDM standard ramping.

0x00: follow BCM LIN activation, refer to REQ0018

0x01: follow LDM standard ramping method

### 子任务:

功能 # 2981: Ford_SWER : FS_REQ0018&REQ0020_0001 High Beam activ...	已关闭
功能 # 2982: Ford_SWER : FS_REQ0018&REQ0020_0002 High Beam rampi...	已关闭
功能 # 2983: Ford_SWER : FS_REQ0018&REQ0020_0003 High Beam contro...	已关闭
功能 # 2984: Ford_SWER : FS_REQ0018&REQ0020_0004 High Beam channel	已关闭
功能 # 2987: Ford_SWER : FS_REQ0018&REQ0020_0005 High Beam BCM EE...	已关闭
功能 # 2989: Ford_SWER : FS_REQ0018&REQ0020_0006 High Beam LDM st...	已关闭
功能 # 2995: Ford_SWER : FS_REQ0018&REQ0020_0005 High Beam BCM EE...	已关闭
功能 # 2996: Ford_SWER : FS_REQ0018&REQ0020_0006 High Beam LDM sta...	已关闭

### 历史记录

#1 - 2024-11-25 08:48 - 斌 徐

- 状态从 新建 变更为 已关闭