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| Ref. | ID | Requirement | ASIL |
| FSR1 | SYSR1 | The brake signal shall be monitored in a cycle lower than 50ms. |  |
| FSR1  FSR4  FSR5 | SYSR2 | The brake signal value shall be compared with the logic unit output in a cycle lower than 50ms. |  |
| FSR3 | SYSR3 | The turn signal value shall be monitored in a cycle lower than 50ms. |  |
| FSR3  FSR5 | SYSR4 | The turn signal value, if non-zero and the brake light controller is configured for unified rear signal and brake lamps, shall be compared in combination with the brake signal against the logic unit output. |  |
| FSR1  FSR3  FSR5 | SYSR5 | If the monitored brake signal value differs from the logic unit calculated value by more than 10%, and the logic output is to enable the brake lamps, the brake lamps shall be illuminated if the system is configured for separate rear signal and brake lamps, or if the system is configured for unified lamps and the turn signal value is zero. |  |
| FSR2 | SYSR6 | The acceleration of the vehicle shall be monitored in a cycle lower than 50ms. |  |
| FSR2  FSR4 | SYSR7 | The vehicle acceleration shall be compared with the output of the logic unit in a cycle lower than 50ms. |  |
| FSR2  FSR3  FSR4 | SYSR8 | If the acceleration of the vehicle is measured to be within the brake lamp activation range, and the driving mode is regenerative braking, and the logic unit does not assert that the brake lights are to be activated, the brake lights shall be activated if the rear signal and brake lights are separate, or if the lamps are unified and the turn signal value is zero and the logic unit shall be rejuvenated. |  |
| FSR4 | SYSR9 | The logic unit shall detect faults within itself, which would result in the unintended application of brake lamps within 50ms. |  |
| FSR3  FSR5 | SYSR10 | The logic unit shall detect faults within itself, which would result in failure to illuminate brake lamps when the brake signal is active in a separate configuration, or the brake signal is active, and the turn signal is inactive in a unified lamp configuration. |  |