

# Deactivation of the ALKS system: Different cases

Submitted by Germany

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- **Case 0:** Deactivation via „system button“ (single action)
- **Case 1:** Deactivation with/ without previous transition demand

# Deactivation of the ALKS system

- **Case 0:** Deactivation via „system button“ (single action)
- **Case 1:** Deactivation with/without previous transition demand


	pre condition	1 <sup>st</sup> step
Driver action	None	★ 1 <sup>st</sup> input: system button
System action	None	★ React to 1 <sup>st</sup> input
System status	Active	★ Deactive (= no continuous lateral & longitudinal control)

# Deactivation of the ALKS system

- Case 0: Deactivation via „system button“ (single action)
- Case 1: Deactivation with/without previous transition demand

**steering**

	pre condition	1 <sup>st</sup> step	2 <sup>nd</sup> step
Driver action	None	★ 1 <sup>st</sup> input: steering*  *significant steering input (intentional!)	★ 2 <sup>nd</sup> input: braking, accelerating, positive confirmation driver monitoring & hands-on, direction indicator
System action	None/ TD	★ React to 1 <sup>st</sup> input + Transition demand	★ React to 2 <sup>nd</sup> input + End Transition demand
System status	Active	★ Active	★ Deactive (= no continuous lateral & longitudinal control)




# Deactivation of the ALKS system

**braking/  
accelerating**

- Case 0: Deactivation via „system button“ (single action)
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	pre condition	1 <sup>st</sup> step	2 <sup>nd</sup> step
Driver action	None	<p>★ 1<sup>st</sup> input: braking*, accelerating**</p> <p>*only higher values **only within system limits</p>	<p>★ 2<sup>nd</sup> input: steering***, positive confirmation driver monitoring &amp; hands-on, direction indicator</p> <p>***significant steering input (intentional!)</p>
System action	None/ TD	<p>★ React to 1<sup>st</sup> input*/** + Transition demand</p>	<p>★ React to 2<sup>nd</sup> input + End Transition demand</p>
System status	Active	<p>★ Active</p>	<p>★ Deactive (= no continuous lateral &amp; longitudinal control)</p>



# Deactivation of the ALKS system



- Case 0: Deactivation via „system button“ (single action)
- Case 1: Deactivation with/without previous transition demand

	pre condition	1 <sup>st</sup> step	2 <sup>nd</sup> step
Driver action	None	★ 1 <sup>st</sup> input: direction indicator	★ 2 <sup>nd</sup> input: steering*, braking, accelerating, positive confirmation driver monitoring & hands-on  *significant steering input (intentional!)
System action	None/ TD	★ React to 1 <sup>st</sup> input + Transition demand	★ React to 2 <sup>nd</sup> input + End Transition demand
System status	Active	★ Active	★ Deactive (= no continuous lateral & longitudinal control)

— Deactivation phase →  
Deactivation phase can be very short.