

# **51 Risk assessment report for the System Architecture Description CCS System - Annex A Traceability Report**



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# Risk assessment report for the System Architecture Description CCS System - Annex A Traceability Report

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Preamble

This Risk Assessment Report is a summary of the most important results of the Risk Analysis performed in Factory Belt Station 7b.

Every logical function is listed with its functional output exchanges to external actors. In the "column "Risk", the identified risks related to the exchange are listed. The work item "Risk" contains one row of the FMEA. The title of the risk is formulated so that the analysed Failure Mode, exchange and external actor is clear.

For each risk, the following information is listed in the following columns:

- Identified hazards: All hazards that were identified during the FMEA are listed. If the FMEA results in the Failure Mode not leading to a hazard, the item "no safety hazard" is shown in the column.
- Constraint: The constraints describe the mitigation measures to mitigate the risk. If the risk does not contain a hazard, then there are no constraints defined.
- Constraint allocation: The allocation of the mitigation measure, i.e. which logical function is constraint by the defined constraint, is contained here.









**Please note:** Some exchanges were not in scope of the analysed capabilities, and they are empty.

Instruction to use the report:






















- One or multiple logical functions can be selected at the top.
- The completeness state of the safety analysis can be verified.
- The coherence of the tracing for the constraints can be verified.

Traceability Report





Function:

System Function (SL 4)	Functional Output Exchange	Risk	Hazard	Constraint	Constraint Allocation
 SPMS-2831 - Merged with traction and braking function Control emergency brake	No output exchanges found				
 SPMS-2833 - Has wheel position and direction in relation to track coordinates	 SPMS-3015 - Actual wheel passing	 SPRM-1135 - Incorrect wheel passing information from Wheel	<ul style="list-style-type: none"><li> SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure</li><li> SPRM-479 - RSSB_2.03.05 - Wrong side signalling failure - Track circuit fails to detect train</li><li> SPRM-1726 - [XYZ] Undue movement of a point</li></ul>	{C} SPRM-1736 - Integrity of received information for determining train motion state	<ul style="list-style-type: none"><li> SPMS-2944 - Aggregate movable objects information</li></ul>






	<ul style="list-style-type: none"><li>⚡ SPRM-299 - Undue movement of a point while train is approaching</li><li>⚡ SPRM-314 - [B.3.0.2] Train detection equipment failure (trackside)</li></ul>	{c} SPRM-1739 - Consistency between information for determining train motion state	<ul style="list-style-type: none"><li>5F SPMS-2944 - Aggregate movable objects information</li></ul>
⚠ SPRM-1438 - Late wheel passing information from Wheel (1)	<ul style="list-style-type: none"><li>⚡ SPRM-314 - [B.3.0.2] Train detection equipment failure (trackside)</li></ul>	No constraint items found	
⚠ SPRM-1982 - Late wheel passing information from Wheel (2)	<ul style="list-style-type: none"><li>⚡ SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure</li><li>⚡ SPRM-479 - RSSB_2.03.05 - Wrong side signalling failure - Track circuit fails to detect train</li><li>⚡ SPRM-1726 - [XYZ] Undue movement of a point</li><li>⚡ SPRM-299 - Undue movement of a point while train is approaching</li><li>⚡ SPRM-314 - [B.3.0.2] Train detection equipment failure (trackside)</li></ul>	<div>{c} SPRM-1736 - Integrity of received information for determining train motion state</div> <div>{c} SPRM-1739 - Consistency between information for determining train motion state</div>	<div><ul style="list-style-type: none"><li>5F SPMS-2944 - Aggregate movable objects information</li></ul></div> <div><ul style="list-style-type: none"><li>5F SPMS-2944 - Aggregate movable objects information</li></ul></div>
⚠ SPRM-1134 - Early wheel passing information from Wheel	<ul style="list-style-type: none"><li>⚡ SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure</li><li>⚡ SPRM-479 - RSSB_2.03.05 - Wrong side signalling failure - Track circuit fails to detect train</li><li>⚡ SPRM-299 - Undue movement of a point while train is approaching</li><li>⚡ SPRM-1726 - [XYZ] Undue movement of a point</li><li>⚡ SPRM-314 - [B.3.0.2] Train detection equipment failure (trackside)</li></ul>	<div>{c} SPRM-1736 - Integrity of received information for determining train motion state</div> <div>{c} SPRM-1739 - Consistency between information for determining train motion state</div>	<div><ul style="list-style-type: none"><li>5F SPMS-2944 - Aggregate movable objects information</li></ul></div> <div><ul style="list-style-type: none"><li>5F SPMS-2944 - Aggregate movable objects information</li></ul></div>
5F SPMS-2834 - Maintain configuration data	No hazard items found	No constraint items found	


 SPMS-2993 - Actual state of configuration data	 SPRM-1630 - Output of TCCS Configuration to Traffic CS System: configuration data sent too early		
	 SPRM-1635 - Output of TCCS Configuration to Traffic CS System: configuration data sent too late	No hazard items found	No constraint items found
	 SPRM-1636 - Output of TCCS Configuration to Traffic CS System: wrong configuration data sent	<ul style="list-style-type: none"><li> SPRM-109 - [B.1.1] Failure to operate the infrastructure</li><li> SPRM-116 - [B.1.2] Failure to operate a train or rail vehicle</li><li> SPRM-130 - [B.1.0] Other un-coded operation failure</li><li> SPRM-274 - [B.2.2] Failure of the braking system</li><li> SPRM-277 - [B.2.0] Other failures of the rolling stock</li><li> SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure</li><li> SPRM-298 - [B.3.1.4] Point and crossing failure</li><li> SPRM-300 - [B.3.1.5] Failure of the level crossing equipment</li><li> SPRM-301 - [B.3.1.0] Other failure of the track</li><li> SPRM-314 - [B.3.0.2] Train detection equipment failure (trackside)</li><li> SPRM-278 - [B.2.0.1] Wrong side signalling (on-board) failure</li></ul>	No constraint items found
 SPMS-6562 - Actual state of configuration data	 SPRM-1631 - Output of TCCS Configuration to Trackside Assets CS System: configuration data sent too early	No hazard items found	No constraint items found
	 SPRM-1637 - Output of TCCS Configuration to Trackside Assets CS System: configuration data sent too late	No hazard items found	No constraint items found
	 SPRM-1638 - Output of TCCS Configuration to Trackside Assets CS System: wrong configuration data sent	<ul style="list-style-type: none"><li> SPRM-109 - [B.1.1] Failure to operate the infrastructure</li><li> SPRM-116 - [B.1.2] Failure to operate a train or rail vehicle</li></ul>	No constraint items found


- ⚡ SPRM-130 - [B.1.0] Other un-coded operation failure
- ⚡ SPRM-274 - [B.2.2] Failure of the braking system
- ⚡ SPRM-277 - [B.2.0] Other failures of the rolling stock
- ⚡ SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure
- ⚡ SPRM-298 - [B.3.1.4] Point and crossing failure
- ⚡ SPRM-300 - [B.3.1.5] Failure of the level crossing equipment
- ⚡ SPRM-301 - [B.3.1.0] Other failure of the track
- ⚡ SPRM-314 - [B.3.0.2] Train detection equipment failure (trackside)
- ⚡ SPRM-278 - [B.2.0.1] Wrong side signalling (on-board) failure

 SPMS-6900 - Actual state of configuration data	 SPRM-1634 - Output of TCCS Configuration to Traffic Management System: configuration data state sent too early	No hazard items found	No constraint items found
	 SPRM-1643 - Output of TCCS Configuration to Traffic Management System: configuration data state sent too late	No hazard items found	No constraint items found
	 SPRM-1646 - Output of TCCS Configuration to Traffic Management System: wrong configuration data state sent	<ul style="list-style-type: none"><li>• ⚡ SPRM-109 - [B.1.1] Failure to operate the infrastructure</li><li>• ⚡ SPRM-116 - [B.1.2] Failure to operate a train or rail vehicle</li><li>• ⚡ SPRM-130 - [B.1.0] Other un-coded operation failure</li><li>• ⚡ SPRM-274 - [B.2.2] Failure of the braking system</li><li>• ⚡ SPRM-277 - [B.2.0] Other failures of the rolling stock</li><li>• ⚡ SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure</li></ul>	No constraint items found




-  [SPRM-298 - \[B.3.1.4\] Point and crossing failure](#)
-  [SPRM-300 - \[B.3.1.5\] Failure of the level crossing equipment](#)
-  [SPRM-301 - \[B.3.1.0\] Other failure of the track](#)
-  [SPRM-314 - \[B.3.0.2\] Train detection equipment failure \(trackside\)](#)
-  [SPRM-278 - \[B.2.0.1\] Wrong side signalling \(on-board\) failure](#)

 [SPMS-6902 - Actual state of configuration data](#)

 [SPRM-1633 - Output of TCCS Configuration to Signaller: configuration data state sent too early](#)


No hazard items found












No constraint items found

 [SPRM-1641 - Output of TCCS Configuration to Signaller: configuration data state sent too late](#)



No hazard items found










No constraint items found
























 [SPRM-1642 - Output of TCCS Configuration to Signaller: wrong configuration data state sent](#)

-  [SPRM-109 - \[B.1.1\] Failure to operate the infrastructure](#)
-  [SPRM-116 - \[B.1.2\] Failure to operate a train or rail vehicle](#)
-  [SPRM-130 - \[B.1.0\] Other uncoded operation failure](#)
-  [SPRM-274 - \[B.2.2\] Failure of the braking system](#)
-  [SPRM-277 - \[B.2.0\] Other failures of the rolling stock](#)
-  [SPRM-297 - \[B.3.1.3\] Wrong side signalling \(infrastructure\) failure](#)
-  [SPRM-298 - \[B.3.1.4\] Point and crossing failure](#)
-  [SPRM-300 - \[B.3.1.5\] Failure of the level crossing equipment](#)
-  [SPRM-301 - \[B.3.1.0\] Other failure of the track](#)
-  [SPRM-314 - \[B.3.0.2\] Train detection equipment failure \(trackside\)](#)
-  [SPRM-278 - \[B.2.0.1\] Wrong side signalling \(on-board\) failure](#)


No constraint items found

 SPMS-6901 - Actual state of configuration data	 SPRM-1632 - Output of TCCS Configuration to Configuration Manager: configuration data state sent too early	No hazard items found	No constraint items found
	 SPRM-1639 - Output of TCCS Configuration to Configuration Manager: configuration data state sent too late	No hazard items found	No constraint items found
	 SPRM-1640 - Output of TCCS Configuration to Configuration Manager: wrong configuration data state sent	<ul style="list-style-type: none"><li> SPRM-109 - [B.1.1] Failure to operate the infrastructure</li><li> SPRM-116 - [B.1.2] Failure to operate a train or rail vehicle</li><li> SPRM-130 - [B.1.0] Other uncoded operation failure</li><li> SPRM-274 - [B.2.2] Failure of the braking system</li><li> SPRM-277 - [B.2.0] Other failures of the rolling stock</li><li> SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure</li><li> SPRM-298 - [B.3.1.4] Point and crossing failure</li><li> SPRM-300 - [B.3.1.5] Failure of the level crossing equipment</li><li> SPRM-301 - [B.3.1.0] Other failure of the track</li><li> SPRM-314 - [B.3.0.2] Train detection equipment failure (trackside)</li><li> SPRM-278 - [B.2.0.1] Wrong side signalling (on-board) failure</li></ul>	No constraint items found
 SPMS-7250 - Configuration data	No risk items found		
 SPMS-2836 - Control relative traction and braking effort manually	 SPMS-6981 - Acknowledged permission	No risk items found	
 SPMS-2837 - Implement specific traction and braking effort	 SPMS-3051 - Applied level of traction and brake effort	 SPRM-1277 - Late applied level of traction and brake effort from Rolling Stock Operation System	<ul style="list-style-type: none"><li> SPRM-516 - No safety hazard</li></ul> No constraint items found
		 SPRM-1278 - Incorrect applied level of traction and brake effort from Rolling Stock Operation System	<ul style="list-style-type: none"><li> SPRM-516 - No safety hazard</li></ul> No constraint items found

		 <a href="#">SPRM-1276 - Early applied level of traction and brake effort from Rolling Stock Operation System</a>	<ul style="list-style-type: none"><li> <a href="#">SPRM-516 - No safety hazard</a></li></ul>	No constraint items found
 <a href="#">SPMS-2839 - OBSOLET- Control execution of one operational movement</a>	No output exchanges found			
 <a href="#">SPMS-2840 - Maintain Traffic CS System configuration data</a>	 <a href="#">SPMS-3211 - Activated state of configuration data</a>	 <a href="#">SPRM-1649 - Input from Traffic CS System to TCCS Configuration: wrong configuration data state received</a>	<ul style="list-style-type: none"><li> <a href="#">SPRM-109 - [B.1.1] Failure to operate the infrastructure</a></li><li> <a href="#">SPRM-116 - [B.1.2] Failure to operate a train or rail vehicle</a></li><li> <a href="#">SPRM-130 - [B.1.0] Other uncoded operation failure</a></li><li> <a href="#">SPRM-274 - [B.2.2] Failure of the braking system</a></li><li> <a href="#">SPRM-277 - [B.2.0] Other failures of the rolling stock</a></li><li> <a href="#">SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure</a></li><li> <a href="#">SPRM-278 - [B.2.0.1] Wrong side signalling (on-board) failure</a></li><li> <a href="#">SPRM-298 - [B.3.1.4] Point and crossing failure</a></li><li> <a href="#">SPRM-300 - [B.3.1.5] Failure of the level crossing equipment</a></li><li> <a href="#">SPRM-301 - [B.3.1.0] Other failure of the track</a></li><li> <a href="#">SPRM-314 - [B.3.0.2] Train detection equipment failure (trackside)</a></li></ul>	No constraint items found
		 <a href="#">SPRM-1647 - Input from Traffic CS System to TCCS Configuration: configuration data state received too early</a>	No hazard items found	No constraint items found
		 <a href="#">SPRM-1648 - Input from Traffic CS System to TCCS Configuration: configuration data state received too late</a>	No hazard items found	No constraint items found
 <a href="#">SPMS-2842 - Paused Control+Actuate specific level crossing protection facility state</a>	No output exchanges found			
 <a href="#">SPMS-2843 - Calculate operational traffic plan</a>	 <a href="#">SPMS-5333 - Required operational traffic plan</a>	 <a href="#">SPRM-1451 - Late required operational traffic plan from TMS</a>	<ul style="list-style-type: none"><li> <a href="#">SPRM-516 - No safety hazard</a></li></ul>	No constraint items found


 SPMS-3079 - Required operational traffic plan	 SPRM-1448 - Early required operational traffic plan from TMS	<ul style="list-style-type: none"><li> SPRM-516 - No safety hazard</li></ul>	No constraint items found	
	 SPRM-1450 - Incorrect required operational traffic plan from TMS	<ul style="list-style-type: none"><li> SPRM-516 - No safety hazard</li></ul>	No constraint items found	
	 SPRM-1047 - Late required operational traffic plan from TMS (1)	<ul style="list-style-type: none"><li> SPRM-516 - No safety hazard</li></ul>	No constraint items found	
	 SPRM-1392 - Late required operational traffic plan from TMS (2)	<ul style="list-style-type: none"><li> SPRM-110 - [B.1.1.1] Improper routing</li></ul>	{c} SPRM-1442 - Train adheres to infrastructure restrictions	<ul style="list-style-type: none"><li> SPMS-2874 - Control track path allocation for movement permissions</li></ul>
			{c} SPRM-1443 - Requested track path is free of occupancies	<ul style="list-style-type: none"><li> SPMS-2874 - Control track path allocation for movement permissions</li></ul>
			{c} SPRM-1444 - Requested track path is distinct from other authorised track paths	<ul style="list-style-type: none"><li> SPMS-2874 - Control track path allocation for movement permissions</li></ul>
	 SPRM-1043 - Early required operational traffic plan from TMS	<ul style="list-style-type: none"><li> SPRM-516 - No safety hazard</li></ul>	No constraint items found	
	 SPRM-1048 - Incorrect required operational traffic plan from TMS	<ul style="list-style-type: none"><li> SPRM-110 - [B.1.1.1] Improper routing</li></ul>	{c} SPRM-1442 - Train adheres to infrastructure restrictions	<ul style="list-style-type: none"><li> SPMS-2874 - Control track path allocation for movement permissions</li></ul>
			{c} SPRM-1443 - Requested track path is free of occupancies	<ul style="list-style-type: none"><li> SPMS-2874 - Control track path allocation for movement permissions</li></ul>
			{c} SPRM-1444 - Requested track path is distinct from other authorised track paths	<ul style="list-style-type: none"><li> SPMS-2874 - Control track path allocation for movement permissions</li></ul>
			{c} SPRM-1742 - High quality standard for planning of usage restriction deactivation times	<ul style="list-style-type: none"><li> SPMS-2843 - Calculate operational traffic plan</li></ul>
 SPMS-2988 - Required operational traffic plan	 SPRM-1475 - Early required operational traffic plan from TMS	<ul style="list-style-type: none"><li> SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure</li></ul>		


		<ul style="list-style-type: none"><li>⚡ SPRM-519 - [xy] Field Force on track without trackside protection</li></ul>	{c} SPRM-1743 - Deactivation of planned usage restrictions requested	<ul style="list-style-type: none"><li>5F SPMS-2929 - Control usage restrictions</li></ul>
⚠ SPRM-1476 - Incorrect required operational traffic plan from TMS		<ul style="list-style-type: none"><li>⚡ SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure</li></ul>	{c} SPRM-1742 - High quality standard for planning of usage restriction deactivation times	<ul style="list-style-type: none"><li>5F SPMS-2843 - Calculate operational traffic plan</li></ul>
		<ul style="list-style-type: none"><li>⚡ SPRM-519 - [xy] Field Force on track without trackside protection</li></ul>	{c} SPRM-1743 - Deactivation of planned usage restrictions requested	<ul style="list-style-type: none"><li>5F SPMS-2929 - Control usage restrictions</li></ul>
⚠ SPRM-1477 - Late required operational traffic plan from TMS		<ul style="list-style-type: none"><li>⚡ SPRM-516 - No safety hazard</li></ul>	No constraint items found	
⚠ SPRM-913 - Early required operational traffic plan from TMS		<ul style="list-style-type: none"><li>⚡ SPRM-516 - No safety hazard</li></ul>	No constraint items found	
⚠ SPRM-956 - Incorrect required operational traffic plan from TMS		<ul style="list-style-type: none"><li>⚡ SPRM-120 - [B.1.2.4] Over-speeding</li></ul>	{c} SPRM-1747 - Requested usage restriction parameters adheres to infrastructure and train-side restrictions	<ul style="list-style-type: none"><li>5F SPMS-2929 - Control usage restrictions</li></ul>
			{c} SPRM-1746 - Usage restriction confirmation matches operational plan	<ul style="list-style-type: none"><li>5F SPMS-2853 - Supervise state of the railway</li></ul>
⚠ SPRM-957 - Late required operational traffic plan from TMS		<ul style="list-style-type: none"><li>⚡ SPRM-120 - [B.1.2.4] Over-speeding</li></ul>	{c} SPRM-1757 - Usage restriction is planned	<ul style="list-style-type: none"><li>5F SPMS-2853 - Supervise state of the railway</li></ul>
			{c} SPRM-2015 - Usage restriction is active at planned time	<ul style="list-style-type: none"><li>5F SPMS-2843 - Calculate operational traffic plan</li></ul>
🚦 SPMS-4546 - Required operational traffic plan	⚠ SPRM-1305 - Incorrect required operational traffic plan from TMS	<ul style="list-style-type: none"><li>⚡ SPRM-114 - [B.1.1.0] Other failure to operate the infrastructure</li></ul>	{c} SPRM-1700 - Point machine position is equal to requested point machine position.	<ul style="list-style-type: none"><li>5F SPMS-2851 - Determine required position of one point machine</li></ul>
	⚠ SPRM-1306 - Late required operational traffic plan from TMS	<ul style="list-style-type: none"><li>⚡ SPRM-516 - No safety hazard</li></ul>	No constraint items found	
	⚠ SPRM-1304 - Early required operational traffic plan from TMS	<ul style="list-style-type: none"><li>⚡ SPRM-516 - No safety hazard</li></ul>	No constraint items found	


 SPMS-2844 - Provide state and commands to neighbouring Traffic CS



 SPMS-2848 - Observe Signaller commands

No output exchanges found


 SPMS-2851 - Determine required position of one point machine

 SPMS-3008 - Required point machine position



 SPRM-1302 - Incorrect Required point machine movement to Point Machine (1)

-  SPRM-299 - Undue movement of a point while train is approaching
-  SPRM-1726 - [XYZ] Undue movement of a point


{c} SPRM-1699 - Point is free of occupancy


-  SPMS-5265 - Control target state of one point


 SPRM-1303 - Late Required point machine movement to Point Machine (1)

-  SPRM-299 - Undue movement of a point while train is approaching
-  SPRM-1726 - [XYZ] Undue movement of a point


{c} SPRM-1699 - Point is free of occupancy

-  SPMS-5265 - Control target state of one point


 SPRM-1732 - Incorrect Required point machine movement to Point Machine (2)

-  SPRM-312 - [B.3.0] Other failures of the infrastructure


{c} SPRM-1700 - Point machine position is equal to requested point machine position.


-  SPMS-2851 - Determine required position of one point machine



 SPRM-1733 - Late Required point machine movement to Point Machine (2)

-  SPRM-312 - [B.3.0] Other failures of the infrastructure


{c} SPRM-1700 - Point machine position is equal to requested point machine position.

-  SPMS-2851 - Determine required position of one point machine


 SPRM-1301 - Early Required point machine movement to Point Machine

-  SPRM-299 - Undue movement of a point while train is approaching
-  SPRM-1726 - [XYZ] Undue movement of a point


{c} SPRM-1699 - Point is free of occupancy

-  SPMS-5265 - Control target state of one point

 SPMS-2852 - Control start of mission activities


 SPMS-3239 - Provided driver information


No risk items found

 SPMS-7766 - Provided driver information

No risk items found


 SPMS-2853 - Supervise state of the railway


 SPMS-3078 - Provided usage restriction state

 SPRM-958 - Early usage restriction activation confirmation from Signaller


-  SPRM-516 - No safety hazard

No constraint items found

 SPRM-1479 - Incorrect usage restriction deactivation confirmation from Signaller

-  SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure

{c} SPRM-1702 - Usage restriction area is free of field force

-  SPMS-2853 - Supervise state of the railway


























SPMS-3123 - Requested track path		<ul style="list-style-type: none"><li>⚡ SPRM-519 - [xy] Field Force on track without trackside protection</li><li>⚡ SPRM-120 - [B.1.2.4] Over-speeding</li></ul>	{c} SPRM-1740 - Confirmed usage restriction matches requested usage restriction	<ul style="list-style-type: none"><li>🟢 SF SPMS-2929 - Control usage restrictions</li></ul>
	⚠️ SPRM-971 - Incorrect usage restriction activation confirmation from Signaller	<ul style="list-style-type: none"><li>⚡ SPRM-120 - [B.1.2.4] Over-speeding</li></ul>	{c} SPRM-1740 - Confirmed usage restriction matches requested usage restriction	<ul style="list-style-type: none"><li>🟢 SF SPMS-2929 - Control usage restrictions</li></ul>
	⚠️ SPRM-1478 - Early usage restriction deactivation confirmation from Signaller	<ul style="list-style-type: none"><li>⚡ SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure</li><li>⚡ SPRM-519 - [xy] Field Force on track without trackside protection</li><li>⚡ SPRM-120 - [B.1.2.4] Over-speeding</li></ul>	{c} SPRM-1702 - Usage restriction area is free of field force	<ul style="list-style-type: none"><li>🟢 SF SPMS-2853 - Supervise state of the railway</li></ul>
	⚠️ SPRM-972 - Late usage restriction activation confirmation from Signaller	<ul style="list-style-type: none"><li>⚡ SPRM-120 - [B.1.2.4] Over-speeding</li></ul>	{c} SPRM-1757 - Usage restriction is planned	<ul style="list-style-type: none"><li>🟢 SF SPMS-2853 - Supervise state of the railway</li></ul>
	⚠️ SPRM-1480 - Late usage restriction deactivation confirmation from Signaller	<ul style="list-style-type: none"><li>⚡ SPRM-516 - No safety hazard</li></ul>	No constraint items found	
	⚠️ SPRM-1049 - Early requested track path from Signaller	<ul style="list-style-type: none"><li>⚡ SPRM-516 - No safety hazard</li></ul>	No constraint items found	
	⚠️ SPRM-1051 - Late requested track path from Signaller (1)	<ul style="list-style-type: none"><li>⚡ SPRM-516 - No safety hazard</li></ul>	No constraint items found	
	⚠️ SPRM-1391 - Late requested track path from Signaller (2)	<ul style="list-style-type: none"><li>⚡ SPRM-110 - [B.1.1.1] Improper routing</li></ul>	{c} SPRM-1758 - Requested track path adheres to train-side restrictions	<ul style="list-style-type: none"><li>🟢 SF SPMS-2874 - Control track path allocation for movement permissions</li></ul>
			{c} SPRM-1443 - Requested track path is free of occupancies	<ul style="list-style-type: none"><li>🟢 SF SPMS-2874 - Control track path allocation for movement permissions</li></ul>

			{C} SPRM-1444 - Requested track path is distinct from other authorised track paths	• SF SPMS-2874 - Control track path allocation for movement permissions
	⚠️ SPRM-1050 - Incorrect requested track path from Signaller	• ⚡ SPRM-110 - [B.1.1.1] Improper routing	{C} SPRM-1758 - Requested track path adheres to train-side restrictions	• SF SPMS-2874 - Control track path allocation for movement permissions
			{C} SPRM-1442 - Train adheres to infrastructure restrictions	• SF SPMS-2874 - Control track path allocation for movement permissions
			{C} SPRM-1443 - Requested track path is free of occupancies	• SF SPMS-2874 - Control track path allocation for movement permissions
			{C} SPRM-1444 - Requested track path is distinct from other authorised track paths	• SF SPMS-2874 - Control track path allocation for movement permissions
🚦 SPMS-5275 - Requested point position	⚠️ SPRM-1300 - Incorrect requested point position from Signaller (1)	• ⚡ SPRM-299 - Undue movement of a point while train is approaching • ⚡ SPRM-1726 - [XYZ] Undue movement of a point	{C} SPRM-1699 - Point is free of occupancy	• SF SPMS-5265 - Control target state of one point
	⚠️ SPRM-1750 - Incorrect requested point position from Signaller (2)	• ⚡ SPRM-114 - [B.1.1.0] Other failure to operate the infrastructure	{C} SPRM-1700 - Point machine position is equal to requested point machine position.	• SF SPMS-2851 - Determine required position of one point machine
	⚠️ SPRM-1751 - Late requested point position from Signaller	• ⚡ SPRM-114 - [B.1.1.0] Other failure to operate the infrastructure	{C} SPRM-1700 - Point machine position is equal to requested point machine position.	• SF SPMS-2851 - Determine required position of one point machine
	⚠️ SPRM-1299 - Late requested point position from Signaller	• ⚡ SPRM-299 - Undue movement of a point while train is approaching	{C} SPRM-1699 - Point is free of occupancy	• SF SPMS-5265 - Control target state of one point




























































			<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div></div></div> <div>SPRM-1726 - [XYZ] Undue movement of a point</div>			
		<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div></div></div> <div>SPRM-1298 - Early requested point position from Signaller</div>	<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div></div></div> <div>SPRM-299 - Undue movement of a point while train is approaching</div>	<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div></div></div> <div>{c} SPRM-1699 - Point is free of occupancy</div>	<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div></div></div> <div>SPMS-5265 - Control target state of one point</div>	
	<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div></div></div> <div>SPMS-7719 - Request emergency stop</div>	No risk items found				
<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div></div></div> <div>SPMS-2856 - Paused Determine required protection state of one level crossing protection facility</div>	<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div></div></div> <div>SPMS-3010 - Paused Required protection facility state</div>	No risk items found				
<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div></div></div> <div>SPMS-2857 - tcs_TMS_Observe operating state</div>	No output exchanges found					
<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div></div></div> <div>SPMS-2859 - moved to PA - Determine 1D train front end position in relation to reference location</div>	No output exchanges found					
<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div></div></div> <div>SPMS-2861 - To be removed not part of MVP Observe state and position of field force</div>	No output exchanges found					
<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div></div></div> <div>SPMS-2862 - Calculate information to support driving</div>	<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div></div></div> <div>SPMS-4561 - Indicated supporting information</div>	No risk items found				
	<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div></div></div> <div>SPMS-3186 - Indicated supporting information</div>	No risk items found				
	<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div></div></div> <div>SPMS-3187 - Indicated supporting information</div>	<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div></div></div> <div>SPRM-1452 - Early indication of driving information to Driver</div>	<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div></div></div> <div>SPRM-516 - No safety hazard</div>	No constraint items found		
		<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div></div></div> <div>SPRM-1453 - Incorrect indication of driving information to Driver</div>	<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div></div></div> <div>SPRM-516 - No safety hazard</div>	No constraint items found		
		<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div></div></div> <div>SPRM-1454 - Late indication of driving information to Driver</div>	<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div></div></div> <div>SPRM-516 - No safety hazard</div>	No constraint items found		
<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div></div></div> <div>SPMS-2865 - Observe neighbouring Traffic CS</div>	No output exchanges found					
<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div></div></div> <div>SPMS-2866 - Root Logical Function</div>	No output exchanges found					
<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div></div></div> <div>SPMS-2867 - To be removed not part of MVP Observe state and position of field force</div>	<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div></div></div> <div>SPMS-3204 - Observed state and position of field force</div>	No risk items found				
<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div></div></div> <div>SPMS-2870 - Control automatic driving speed of one train</div>	<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div></div></div> <div>SPMS-3014 - Required relative traction and brake effort</div>	<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div></div></div> <div>SPRM-1242 - Early Required relative traction and brake effort to Rolling Stock Operational System</div>	<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div></div></div> <div>SPRM-278 - [B.2.0.1] Wrong side signalling (on-board) failure</div>	<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div></div></div> <div>{c} SPRM-1749 - Track ahead is free</div>	<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div></div><div></div></div></div></div> <div>SPMS-2933 - Supervise guideway of one train</div>	

		<ul style="list-style-type: none"><li>⚡ SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure</li></ul>	{C} SPRM-1439 - Train located within movement permission	<ul style="list-style-type: none"><li>5F SPMS-2921 - Supervise compliance of speed profiles of one train</li></ul>
			{C} SPRM-1440 - Train speed is equal or less than the authorised target speed	<ul style="list-style-type: none"><li>5F SPMS-2921 - Supervise compliance of speed profiles of one train</li></ul>
⚠ SPRM-1243 - Late Required relative traction and brake effort to Rolling Stock Operational System		<ul style="list-style-type: none"><li>⚡ SPRM-278 - [B.2.0.1] Wrong side signalling (on-board) failure</li><li>⚡ SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure</li></ul>	{C} SPRM-1749 - Track ahead is free	<ul style="list-style-type: none"><li>5F SPMS-2933 - Supervise guideway of one train</li></ul>
			{C} SPRM-1439 - Train located within movement permission	<ul style="list-style-type: none"><li>5F SPMS-2921 - Supervise compliance of speed profiles of one train</li></ul>
			{C} SPRM-1440 - Train speed is equal or less than the authorised target speed	<ul style="list-style-type: none"><li>5F SPMS-2921 - Supervise compliance of speed profiles of one train</li></ul>
⚠ SPRM-1246 - Incorrect Required relative traction and brake effort to Rolling Stock Operational System		<ul style="list-style-type: none"><li>⚡ SPRM-278 - [B.2.0.1] Wrong side signalling (on-board) failure</li><li>⚡ SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure</li></ul>	{C} SPRM-1749 - Track ahead is free	<ul style="list-style-type: none"><li>5F SPMS-2933 - Supervise guideway of one train</li></ul>
			{C} SPRM-1439 - Train located within movement permission	<ul style="list-style-type: none"><li>5F SPMS-2921 - Supervise compliance of speed profiles of one train</li></ul>
			{C} SPRM-1440 - Train speed is equal or less than the authorised target speed	<ul style="list-style-type: none"><li>5F SPMS-2921 - Supervise compliance of speed profiles of one train</li></ul>
🚆 SPMS-3185 - Indicated automatic driving state	⚠ SPRM-1240 - Early indication of automatic departure readiness state to Driver	<ul style="list-style-type: none"><li>⚡ SPRM-516 - No safety hazard</li></ul>	No constraint items found	
	⚠ SPRM-1244 - Late indication of automatic departure readiness state to Driver	<ul style="list-style-type: none"><li>⚡ SPRM-516 - No safety hazard</li></ul>	No constraint items found	

		 SPRM-1245 - Incorrect indication of automatic departure readiness state to Driver	<ul style="list-style-type: none"><li> SPRM-516 - No safety hazard</li></ul>	No constraint items found	
 SPMS-2871 - Determine reaction to failure	No output exchanges found				
 SPMS-2872 - Calculate safe speed profiles of one train	 SPMS-3190 - Calculated supervision limits	 SPRM-1401 - Early indication of Authorised distance and speed restriction to Driver	<ul style="list-style-type: none"><li> SPRM-516 - No safety hazard</li></ul>	No constraint items found	
		 SPRM-1402 - Incorrect indication of Authorised distance and speed restriction to Driver	<ul style="list-style-type: none"><li> SPRM-120 - [B.1.2.4] Over-speeding</li></ul>	{c} SPRM-1439 - Train located within movement permission	<ul style="list-style-type: none"><li> SPMS-2921 - Supervise compliance of speed profiles of one train</li></ul>
				{c} SPRM-1440 - Train speed is equal or less than the authorised target speed	<ul style="list-style-type: none"><li> SPMS-2921 - Supervise compliance of speed profiles of one train</li></ul>
		 SPRM-1403 - Late indication of Authorised distance and speed restriction to Driver	<ul style="list-style-type: none"><li> SPRM-120 - [B.1.2.4] Over-speeding</li></ul>	{c} SPRM-1439 - Train located within movement permission	<ul style="list-style-type: none"><li> SPMS-2921 - Supervise compliance of speed profiles of one train</li></ul>
				{c} SPRM-1440 - Train speed is equal or less than the authorised target speed	<ul style="list-style-type: none"><li> SPMS-2921 - Supervise compliance of speed profiles of one train</li></ul>
	 SPMS-3191 - Calculated supervision limits	 SPRM-1052 - Early indication of Authorised distance and speed restriction to Driver	<ul style="list-style-type: none"><li> SPRM-516 - No safety hazard</li></ul>	No constraint items found	
		 SPRM-1056 - Late indication of Authorised distance and speed restriction to Driver	<ul style="list-style-type: none"><li> SPRM-120 - [B.1.2.4] Over-speeding</li></ul>	{c} SPRM-1439 - Train located within movement permission	<ul style="list-style-type: none"><li> SPMS-2921 - Supervise compliance of speed profiles of one train</li></ul>
				{c} SPRM-1440 - Train speed is equal or less than the authorised target speed	<ul style="list-style-type: none"><li> SPMS-2921 - Supervise compliance of speed profiles of one train</li></ul>
		 SPRM-1057 - Incorrect indication of Authorised distance and speed restriction to Driver	<ul style="list-style-type: none"><li> SPRM-120 - [B.1.2.4] Over-speeding</li></ul>	{c} SPRM-1439 - Train located within movement permission	<ul style="list-style-type: none"><li> SPMS-2921 - Supervise compliance of speed profiles of one train</li></ul>


























				{C} SPRM-1440 - Train speed is equal or less than the authorised target speed	<ul style="list-style-type: none"><li>5F SPMS-2921 - Supervise compliance of speed profiles of one train</li></ul>
🚦 SPMS-5424 - Respond and request for movement authority data	⚠️ SPRM-1076 - Early shorten movement permission response from Train CS	• ⚡ SPRM-516 - No safety hazard	No constraint items found		
	⚠️ SPRM-1077 - Omitted shorten movement permission response from Train CS	• ⚡ SPRM-516 - No safety hazard	No constraint items found		
	⚠️ SPRM-1078 - Incorrect shorten movement permission response from Train CS	• ⚡ SPRM-120 - [B.1.2.4] Over-speeding • ⚡ SPRM-110 - [B.1.1.1] Improper routing	No constraint items found		
	⚠️ SPRM-1427 - Incorrect shorten movement permission response from Train CS	• ⚡ SPRM-516 - No safety hazard	No constraint items found		
🚦 SPMS-3188 - Indicated start of mission data	No risk items found				
🚦 SPMS-6992 - Calculated supervision limits	No risk items found				
🚦 SPMS-7120 - Validated train data	No risk items found				
5F SPMS-2873 - Manage radio communication session for one train [placeholder]	No output exchanges found				
5F SPMS-2874 - Control track path allocation for movement permissions	🚦 SPMS-3044 - Allocated track path	⚠️ SPRM-1053 - Early indication of Authorised distance and speed restriction to Signaller	• ⚡ SPRM-516 - No safety hazard	No constraint items found	
		⚠️ SPRM-1054 - Late indication of Authorised distance and speed restriction to Signaller	• ⚡ SPRM-516 - No safety hazard	No constraint items found	
		⚠️ SPRM-1055 - Incorrect indication of Authorised distance and speed restriction to Signaller	• ⚡ SPRM-516 - No safety hazard	No constraint items found	
	🚦 SPMS-3052 - Allocated track path	⚠️ SPRM-1058 - Early indication of Authorised distance and speed restriction to TMS	• ⚡ SPRM-516 - No safety hazard	No constraint items found	
				No constraint items found	

	 SPRM-1059 - Late indication of Authorised distance and speed restriction to TMS	<ul style="list-style-type: none"><li> SPRM-516 - No safety hazard</li></ul>	
	 SPRM-1060 - Incorrect indication of Authorised distance and speed restriction to TMS	<ul style="list-style-type: none"><li> SPRM-516 - No safety hazard</li></ul>	No constraint items found
 SPMS-2991 - Allocated track path	No risk items found		
 SPMS-3232 - Allocated track path	No risk items found		
 SPMS-3065 - Allocated track path	 SPRM-1073 - Early shorten movement permission request to Train CS	<ul style="list-style-type: none"><li> SPRM-516 - No safety hazard</li></ul>	No constraint items found
	 SPRM-1075 - Incorrect shorten movement permission request to Train CS	<ul style="list-style-type: none"><li> SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure</li></ul>	<div> SPRM-1563 - Authorised speed is less or equal to the maximum allowed track speed</div> <div> SPMS-2874 - Control track path allocation for movement permissions</div>
			<div> SPRM-1512 - Train moves within Movement Authority</div> <div> SPMS-2921 - Supervise compliance of speed profiles of one train</div>
	 SPRM-1074 - Late shorten movement permission request to Train CS	<ul style="list-style-type: none"><li> SPRM-516 - No safety hazard</li></ul>	No constraint items found
	 SPRM-1370 - Incorrect movement authority to Train CS	<ul style="list-style-type: none"><li> SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure</li></ul>	<div> SPRM-1563 - Authorised speed is less or equal to the maximum allowed track speed</div> <div> SPMS-2874 - Control track path allocation for movement permissions</div>
	 SPRM-1374 - Incorrect movement authority to Train CS	<ul style="list-style-type: none"><li> SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure</li></ul>	<div> SPRM-1776 - Maximum authorised distance is within Movement Permission</div> <div> SPMS-2874 - Control track path allocation for movement permissions</div>
			<div> SPRM-1447 - Maximum authorised distance ends ahead of occupied track</div> <div> SPMS-2874 - Control track path allocation for movement permissions</div>
	 SPRM-1428 - Incorrect shorten movement permission request to Train CS	<ul style="list-style-type: none"><li> SPRM-516 - No safety hazard</li></ul>	No constraint items found
			No constraint items found
























		 <a href="#">SPRM-1369 - Early movement authority to Train CS</a>	<ul style="list-style-type: none"><li> <a href="#">SPRM-516 - No safety hazard</a></li></ul>	
		 <a href="#">SPRM-2311 - Incorrect point position in movement permission</a>	<ul style="list-style-type: none"><li> <a href="#">SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure</a></li></ul>	<a href="#">{c}</a> <a href="#">SPRM-2312 - All STAs in the required path are in the required position</a> <ul style="list-style-type: none"><li> <a href="#">SPMS-2874 - Control track path allocation for movement permissions</a></li></ul>
		 <a href="#">SPRM-1371 - Late movement authority to Train CS</a>	<ul style="list-style-type: none"><li> <a href="#">SPRM-516 - No safety hazard</a></li></ul>	No constraint items found
	 <a href="#">SPMS-6982 - Allocated track path</a>	No risk items found		
	 <a href="#">SPMS-7661 - Allocated track path</a>	No risk items found		
 <a href="#">SPMS-2875 - Duplicate instance of function control track path allocation</a>	No output exchanges found			
 <a href="#">SPMS-2878 - Determine position and state of one train</a>	 <a href="#">SPMS-3212 - Determined train position and state</a>	No risk items found		
	 <a href="#">SPMS-5515 - Determined train position and state</a>	No risk items found		
 <a href="#">SPMS-2879 - Duplicate to be removed Maintain on-board train data [placeholder]</a>	No output exchanges found			
 <a href="#">SPMS-2880 - Measure+Estimate 1D acceleration of one train</a>	No output exchanges found			
 <a href="#">SPMS-2884 - moved to PA - Measure+Estimate 1D distance since last reset of odometry</a>	No output exchanges found			
 <a href="#">SPMS-2885 - tcs_TRANSVERSAL_Provide trackside attributes</a>	No output exchanges found			
 <a href="#">SPMS-2886 - Observe point status</a>	 <a href="#">SPMS-5339 - Observed point status</a>	 <a href="#">SPRM-1289 - Early indication of Observed point status to TMS</a>	<ul style="list-style-type: none"><li> <a href="#">SPRM-516 - No safety hazard</a></li></ul>	No constraint items found
		 <a href="#">SPRM-1290 - Incorrect indication of Observed point status to TMS</a>	<ul style="list-style-type: none"><li> <a href="#">SPRM-516 - No safety hazard</a></li></ul>	No constraint items found
		 <a href="#">SPRM-1292 - Late indication of Observed point status to TMS</a>	<ul style="list-style-type: none"><li> <a href="#">SPRM-516 - No safety hazard</a></li></ul>	No constraint items found
		 <a href="#">SPMS-3189 - Observed point status</a>	 <a href="#">SPRM-1287 - Early indication of Observed point status to Signaller</a>	<ul style="list-style-type: none"><li> <a href="#">SPRM-516 - No safety hazard</a></li></ul>
				No constraint items found























		<div><div><div><div><div><div></div><div>SPRM-1288 - Incorrect indication of Observed point status to Signaller</div></div></div><div><div></div><div></div></div></div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> <div><div></div><div></div></div> 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		 SPRM-1644 - <a href="#">Input from Traffic CS System to TCCS Diagnostics: monitoring and diagnostic data received too late</a>	No hazard items found	No constraint items found
		 SPRM-1645 - <a href="#">Input from Traffic CS System to TCCS Diagnostics: wrong monitoring and diagnostic data received</a>	No hazard items found	No constraint items found
 SPMS-2896 - <a href="#">Merged with control start of mission activities Acknowledge general train data+Request permission</a>	No output exchanges found			
 SPMS-2897 - <a href="#">Supervise standstill of one train</a>	 SPMS-3022 - <a href="#">Required state of parking brake or emergency brake</a>	 SPRM-2287 - <a href="#">EB or SB command is not sent when required by Rolling Stock Operation System</a>	•  SPRM-516 - <a href="#">No safety hazard</a>	No constraint items found
		 SPRM-2286 - <a href="#">EB or SB command is not sent from CCS to Rolling Stock</a>	•  SPRM-117 - <a href="#">[B.1.2.1] Signal passed at danger with passing of a danger point</a>	{c} SPRM-1439 - <a href="#">Train located within movement permission</a> •  SPMS-2921 - <a href="#">Supervise compliance of speed profiles of one train</a>
		 SPRM-2285 - <a href="#">EB or SB command is sent later than expected from CCS to Rolling Stock Operation System</a>	•  SPRM-117 - <a href="#">[B.1.2.1] Signal passed at danger with passing of a danger point</a>	{c} SPRM-1439 - <a href="#">Train located within movement permission</a> •  SPMS-2921 - <a href="#">Supervise compliance of speed profiles of one train</a>
 SPMS-2898 - <a href="#">tcs_TRANSVERSAL_Maintain diagnostic data</a>	No output exchanges found			
 SPMS-2902 - <a href="#">To be removed not part of MVP Actuate emergency reaction</a>	No output exchanges found			
 SPMS-2903 - <a href="#">moved to PA - Measure+Estimate 3D kinematic information of one train</a>	No output exchanges found			
 SPMS-2905 - <a href="#">Manage radio communication session with one train</a>	No output exchanges found			
 SPMS-2907 - <a href="#">Authorise automatic driving state</a>	 SPMS-3055 - <a href="#">Authorised automatic driving state</a>	 SPRM-1266 - <a href="#">Late authorised automatic driving state from Driver</a>	•  SPRM-516 - <a href="#">No safety hazard</a>	No constraint items found
		 SPRM-1265 - <a href="#">Early authorised automatic driving state from Driver</a>	•  SPRM-116 - <a href="#">[B.1.2] Failure to operate a train or rail vehicle</a>	{c} SPRM-1735 - <a href="#">Train is at standstill</a> •  SPMS-2933 - <a href="#">Supervise guideway of one train</a>
				{c} SPRM-1749 - <a href="#">Track ahead is free</a> •  SPMS-2933 - <a href="#">Supervise guideway of one train</a>


























































		 <a href="#">SPRM-1267 - Incorrect authorised automatic driving state from Driver</a>	<ul style="list-style-type: none"><li> <a href="#">SPRM-116 - [B.1.2] Failure to operate a train or rail vehicle</a></li></ul>	<div><div> <a href="#">SPRM-1735 - Train is at standstill</a></div><div> <a href="#">SPRM-1749 - Track ahead is free</a></div></div>	<ul style="list-style-type: none"><li> <a href="#">SPMS-2933 - Supervise guideway of one train</a></li><li> <a href="#">SPMS-2933 - Supervise guideway of one train</a></li></ul>
 <a href="#">SPMS-2909 - Paused Observe level crossing protection status</a>	No output exchanges found				
 <a href="#">SPMS-2912 - placeholder Maintain static trackside attributes [Placeholder]</a>	No output exchanges found				
 <a href="#">SPMS-2914 - Sense+Observe position of one point</a>	 <a href="#">SPMS-3209 - Observed point position</a>	 <a href="#">SPRM-1083 - Estimated point position to Trackside Assets CS</a>	<ul style="list-style-type: none"><li> <a href="#">SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure</a></li><li> <a href="#">SPRM-299 - Undue movement of a point while train is approaching</a></li><li> <a href="#">SPRM-312 - [B.3.0] Other failures of the infrastructure</a></li></ul>	No constraint items found	
		 <a href="#">SPRM-1089 - Estimated point position to Trackside Assets CS</a>	<ul style="list-style-type: none"><li> <a href="#">SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure</a></li><li> <a href="#">SPRM-299 - Undue movement of a point while train is approaching</a></li><li> <a href="#">SPRM-312 - [B.3.0] Other failures of the infrastructure</a></li></ul>	No constraint items found	
		 <a href="#">SPRM-1090 - Estimated point position to Trackside Assets CS</a>	<ul style="list-style-type: none"><li> <a href="#">SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure</a></li><li> <a href="#">SPRM-299 - Undue movement of a point while train is approaching</a></li><li> <a href="#">SPRM-312 - [B.3.0] Other failures of the infrastructure</a></li></ul>	No constraint items found	
	 <a href="#">SPMS-3220 - Observed point position</a>	No risk items found			





















	 SPMS-3228 - <a href="#">Observed point position</a>	No risk items found		
	 SPMS-5268 - <a href="#">Observed point position</a>	No risk items found		
 SPMS-2917 - <a href="#">Paused Sense+Observe specific level crossing protection facility state</a>	 SPMS-3159 - <a href="#">Paused Observed level crossing protection facility state</a>	No risk items found		
	 SPMS-6590 - <a href="#">Paused Observed level crossing protection facility state</a>	No risk items found		
 SPMS-2919 - <a href="#">Sense+Observe track vacancy proving section state</a>	 SPMS-4648 - <a href="#">Observed track vacancy proving section state</a>	No risk items found		
 SPMS-2921 - <a href="#">Supervise compliance of speed profiles of one train</a>	 SPMS-3020 - <a href="#">Required state of full service brake or traction cut off or emergency brake</a>	No risk items found		
 SPMS-2922 - <a href="#">Synchronise current time</a>	 SPMS-5334 - <a href="#">Provided current time</a>	No risk items found		
	 SPMS-5276 - <a href="#">Provided current time</a>	No risk items found		
	 SPMS-3042 - <a href="#">Provided current time</a>	No risk items found		
	 SPMS-3045 - <a href="#">Provided current time</a>	 SPRM-546 - <a href="#">Synchronised current time to Transversal CCS</a>	<ul style="list-style-type: none"><li> SPRM-297 - <a href="#">[B.3.1.3] Wrong side signalling (infrastructure) failure</a></li><li> SPRM-519 - <a href="#">[xy] Field Force on track without trackside protection</a></li></ul>	No constraint items found
		 SPRM-547 - <a href="#">Synchronised current time to Transversal CCS</a>	<ul style="list-style-type: none"><li> SPRM-297 - <a href="#">[B.3.1.3] Wrong side signalling (infrastructure) failure</a></li><li> SPRM-519 - <a href="#">[xy] Field Force on track without trackside protection</a></li></ul>	No constraint items found
		 SPRM-548 - <a href="#">Synchronised current time to Transversal CCS</a>	<ul style="list-style-type: none"><li> SPRM-297 - <a href="#">[B.3.1.3] Wrong side signalling (infrastructure) failure</a></li></ul>	No constraint items found

-  SPRM-519 - [xy] Field Force on track without trackside protection

 SPMS-2925 - Duplicate with configuration function Maintain train attributes [placeholder]	No output exchanges found			
 SPMS-2926 - Observe progress of train specific timetable	No output exchanges found			
 SPMS-2928 - Control state of train doors	 SPMS-4564 - Requested state of doors	No risk items found		
 SPMS-2929 - Control usage restrictions	 SPMS-3173 - Usage restriction state	 SPRM-1485 - Early indication of Usage restriction deactivation state to TMS	•  SPRM-516 - No safety hazard	No constraint items found
		 SPRM-969 - Incorrect indication of Usage restriction activation state to TMS	•  SPRM-516 - No safety hazard	No constraint items found
		 SPRM-970 - Late indication of Usage restriction activation state to TMS	•  SPRM-516 - No safety hazard	No constraint items found
		 SPRM-1486 - Late indication of Usage restriction deactivation state to TMS	•  SPRM-516 - No safety hazard	No constraint items found
		 SPRM-927 - Early indication of Usage restriction activation state to TMS	•  SPRM-516 - No safety hazard	No constraint items found
		 SPRM-1487 - Incorrect indication of Usage restriction deactivation state to TMS	•  SPRM-516 - No safety hazard	No constraint items found
	 SPMS-3174 - Usage restriction state	 SPRM-1482 - Incorrect indication of usage restriction deactivation state to Signaller	•  SPRM-516 - No safety hazard	No constraint items found
		 SPRM-1484 - Late indication of Usage restriction deactivation state to Signaller	•  SPRM-516 - No safety hazard	No constraint items found
		 SPRM-1778 - Incorrect confirmation request of usage restriction deactivation to Signaller	•  SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure •  SPRM-519 - [xy] Field Force on track without trackside protection	{c} SPRM-1702 - Usage restriction area is free of field force •  SPMS-2853 - Supervise state of the railway
		 SPRM-1483 - Late confirmation request of usage restriction deactivation to Signaller	•  SPRM-516 - No safety hazard	No constraint items found

 SPRM-1481 - Early indication of usage restriction deactivation state to Signaller	<ul style="list-style-type: none"><li> SPRM-516 - No safety hazard</li></ul>	No constraint items found	
 SPRM-968 - Late indication of Usage restriction activation state to Signaller	<ul style="list-style-type: none"><li> SPRM-516 - No safety hazard</li></ul>	No constraint items found	
 SPRM-964 - Late confirmation request of usage restriction activation to Signaller	<ul style="list-style-type: none"><li> SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure</li><li> SPRM-120 - [B.1.2.4] Over-speeding</li><li> SPRM-519 - [xy] Field Force on track without trackside protection</li></ul>	{c} SPRM-2109 - Usage restriction activation is planned	<ul style="list-style-type: none"><li> SPMS-2929 - Control usage restrictions</li></ul>
		{c} SPRM-1702 - Usage restriction area is free of field force	<ul style="list-style-type: none"><li> SPMS-2853 - Supervise state of the railway</li></ul>
 SPRM-967 - Incorrect indication of Usage restriction activation state to Signaller	<ul style="list-style-type: none"><li> SPRM-519 - [xy] Field Force on track without trackside protection</li></ul>	{c} SPRM-1702 - Usage restriction area is free of field force	<ul style="list-style-type: none"><li> SPMS-2853 - Supervise state of the railway</li></ul>
 SPRM-966 - Early indication of Usage restriction activation state to Signaller	<ul style="list-style-type: none"><li> SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure</li><li> SPRM-120 - [B.1.2.4] Over-speeding</li><li> SPRM-519 - [xy] Field Force on track without trackside protection</li></ul>	{c} SPRM-1701 - Activation process of usage restriction is completed	<ul style="list-style-type: none"><li> SPMS-2929 - Control usage restrictions</li></ul>
 SPRM-1780 - Early confirmation request of usage restriction deactivation to Signaller	<ul style="list-style-type: none"><li> SPRM-120 - [B.1.2.4] Over-speeding</li><li> SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure</li><li> SPRM-519 - [xy] Field Force on track without trackside protection</li></ul>	{c} SPRM-1702 - Usage restriction area is free of field force	<ul style="list-style-type: none"><li> SPMS-2853 - Supervise state of the railway</li></ul>
		{c} SPRM-1740 - Confirmed usage restriction matches requested usage restriction	<ul style="list-style-type: none"><li> SPMS-2929 - Control usage restrictions</li></ul>
		{c} SPRM-2240 - Track condition allows regular operation	<ul style="list-style-type: none"><li> SPMS-2853 - Supervise state of the railway</li></ul>
 SPRM-914 - Early confirmation request of usage restriction activation to Signaller	<ul style="list-style-type: none"><li> SPRM-516 - No safety hazard</li></ul>	No constraint items found	
		No constraint items found	

		 SPRM-963 - Incorrect confirmation request of usage restriction activation to Signaller	•  SPRM-516 - No safety hazard		
 SPMS-2932 - Exert force on point rails	No output exchanges found				
 SPMS-2933 - Supervise guideway of one train	No output exchanges found				
 SPMS-2935 - Paused Accept train from neighbouring Traffic CS	No output exchanges found				
 SPMS-2936 - Control cab mode of one train	 SPMS-2995 - Reported cab status	No risk items found			
	 SPMS-6236 - Activated cab status	No risk items found			
	 SPMS-6959 - Reported cab status	No risk items found			
	 SPMS-6983 - Reported cab status	No risk items found			
 SPMS-2937 - Has acceleration vector in relation to rolling stock coordinates	 SPMS-2989 - Actual acceleration	 SPRM-1173 - (N/A) Early acceleration information from Rolling Stock Reference Point	No hazard items found	No constraint items found	
		 SPRM-1174 - Incorrect acceleration information from Rolling Stock Reference Point	<ul style="list-style-type: none"><li> SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure</li><li> SPRM-278 - [B.2.0.1] Wrong side signalling (on-board) failure</li></ul>	{c} SPRM-1738 - Integrity of provided information for determining train motion state	•  SPMS-2937 - Has acceleration vector in relation to rolling stock coordinates
				{c} SPRM-1736 - Integrity of received information for determining train motion state	•  SPMS-2944 - Aggregate movable objects information
		 SPRM-1175 - Late acceleration information from Rolling Stock Reference Point	<ul style="list-style-type: none"><li> SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure</li><li> SPRM-278 - [B.2.0.1] Wrong side signalling (on-board) failure</li></ul>	{c} SPRM-1738 - Integrity of provided information for determining train motion state	•  SPMS-2937 - Has acceleration vector in relation to rolling stock coordinates
				{c} SPRM-1736 - Integrity of received information for determining train motion state	•  SPMS-2944 - Aggregate movable objects information
 SPMS-2942 - Has physical behaviour moves+lies+is locked	 SPMS-5815 - Actual physical point machine position	 SPRM-1293 - Early actual physical point machine position from Point Machine	<ul style="list-style-type: none"><li> SPRM-299 - Undue movement of a point while train is approaching</li></ul>	{c} SPRM-1699 - Point is free of occupancy	•  SPMS-5265 - Control target state of one point

		 SPRM-1294 - Incorrect actual physical point machine position from Point Machine	<ul style="list-style-type: none"><li> SPRM-299 - Undue movement of a point while train is approaching</li></ul>	<div><div>{c} SPRM-1700 - Point machine position is equal to requested point machine position.</div></div>	<ul style="list-style-type: none"><li> SPMS-2851 - Determine required position of one point machine</li></ul>
				<div><div>{c} SPRM-1699 - Point is free of occupancy</div></div>	<ul style="list-style-type: none"><li> SPMS-5265 - Control target state of one point</li></ul>
		 SPRM-1295 - Late actual physical point machine position from Point Machine	<ul style="list-style-type: none"><li> SPRM-299 - Undue movement of a point while train is approaching</li></ul>	<div><div>{c} SPRM-1700 - Point machine position is equal to requested point machine position.</div></div>	<ul style="list-style-type: none"><li> SPMS-2851 - Determine required position of one point machine</li></ul>
				<div><div>{c} SPRM-1699 - Point is free of occupancy</div></div>	<ul style="list-style-type: none"><li> SPMS-5265 - Control target state of one point</li></ul>
		 SPRM-1943 - Early actual physical point machine position from Point Machine	<ul style="list-style-type: none"><li> SPRM-301 - [B.3.1.0] Other failure of the track</li></ul>	<div><div>{c} SPRM-1700 - Point machine position is equal to requested point machine position.</div></div>	<ul style="list-style-type: none"><li> SPMS-2851 - Determine required position of one point machine</li></ul>
		 SPRM-1944 - Late actual physical point machine position from Point Machine	<ul style="list-style-type: none"><li> SPRM-301 - [B.3.1.0] Other failure of the track</li></ul>	<div><div>{c} SPRM-1700 - Point machine position is equal to requested point machine position.</div></div>	<ul style="list-style-type: none"><li> SPMS-2851 - Determine required position of one point machine</li></ul>
 SPMS-2944 - Aggregate movable objects information	 SPMS-3050 - Aggregated track occupancy and train status information	 SPRM-1185 - Early indication of estimated train motion state information to TMS	<ul style="list-style-type: none"><li> SPRM-516 - No safety hazard</li></ul>	No constraint items found	
		 SPRM-1186 - Incorrect indication of estimated train motion state information to TMS	<ul style="list-style-type: none"><li> SPRM-516 - No safety hazard</li></ul>	No constraint items found	
		 SPRM-1187 - Late indication of estimated train motion state information to TMS	<ul style="list-style-type: none"><li> SPRM-516 - No safety hazard</li></ul>	No constraint items found	
	 SPMS-4666 - Aggregated track occupancy and train status information	 SPRM-1188 - Early indication of estimated train area occupation information to Signaller	<ul style="list-style-type: none"><li> SPRM-516 - No safety hazard</li></ul>	No constraint items found	
























		<div><div><div><div><div><div></div><div>SPRM-1189 - Incorrect indication of estimated train area occupation information to Signaller</div></div></div><div><div></div><div></div></div></div></div></div> <div><div><div></div><div>SPRM-516 - No safety hazard</div></div></div>	No constraint items found			
		<div><div><div><div><div><div></div><div>SPRM-1190 - Late indication of estimated train area occupation information to Signaller</div></div></div><div><div></div><div></div></div></div></div></div> <div><div><div></div><div>SPRM-516 - No safety hazard</div></div></div>	No constraint items found			
	<div><div><div><div><div></div><div>SPMS-7765 - Acknowledged position</div></div></div></div></div>	No risk items found				
<div><div><div><div></div><div>SPMS-2945 - Has position in relation to geographical coordinates</div></div></div></div>	<div><div><div><div><div></div><div>SPMS-3004 - Actual present geographical coordinate</div></div></div></div></div>	<div><div><div><div><div><div></div><div>SPRM-1436 - Late geographical coordinates from Rolling Stock Reference Point</div></div></div><div><div></div><div></div></div></div></div></div> <div><div><div></div><div>SPRM-516 - No safety hazard</div></div></div>	No constraint items found			
		<div><div><div><div><div><div></div><div>SPRM-1176 - (N/A) Early geographical coordinates from Rolling Stock Reference Point</div></div></div><div><div></div><div></div></div></div></div></div>	No hazard items found	No constraint items found		
		<div><div><div><div><div><div></div><div>SPRM-1177 - Incorrect geographical coordinates from Rolling Stock Reference Point</div></div></div><div><div></div><div></div></div></div></div></div> <div><div><div><div><div><div></div><div>SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure</div></div></div><div><div></div><div></div></div></div><div><div><div><div><div><div></div><div>SPRM-278 - [B.2.0.1] Wrong side signalling (on-board) failure</div></div></div><div><div></div><div></div></div></div></div></div></div></div>	<div><div><div><div><div><div></div><div>SPRM-1738 - Integrity of provided information for determining train motion state</div></div></div><div><div></div><div></div></div></div></div></div> <div><div><div><div><div><div></div><div>SPMS-2937 - Has acceleration vector in relation to rolling stock coordinates</div></div></div><div><div></div><div></div></div></div></div></div>			
		<div><div><div><div><div><div></div><div>SPRM-1736 - Integrity of received information for determining train motion state</div></div></div><div><div></div><div></div></div></div></div></div>	<div><div><div><div><div><div></div><div>SPMS-2944 - Aggregate movable objects information</div></div></div><div><div></div><div></div></div></div></div></div>			
		<div><div><div><div><div><div></div><div>SPRM-1739 - Consistency between information for determining train motion state</div></div></div><div><div></div><div></div></div></div></div></div>	<div><div><div><div><div><div></div><div>SPMS-2944 - Aggregate movable objects information</div></div></div><div><div></div><div></div></div></div></div></div>			
		<div><div><div><div><div><div></div><div>SPRM-1178 - Late geographical coordinates from Rolling Stock Reference Point</div></div></div><div><div></div><div></div></div></div></div></div> <div><div><div><div><div><div></div><div>SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure</div></div></div><div><div></div><div></div></div></div><div><div><div><div><div><div></div><div>SPRM-278 - [B.2.0.1] Wrong side signalling (on-board) failure</div></div></div><div><div></div><div></div></div></div></div></div></div></div>	<div><div><div><div><div><div></div><div>SPRM-1738 - Integrity of provided information for determining train motion state</div></div></div><div><div></div><div></div></div></div></div></div> <div><div><div><div><div><div></div><div>SPRM-1736 - Integrity of received information for determining train motion state</div></div></div><div><div></div><div></div></div></div></div></div> <div><div><div><div><div><div></div><div>SPRM-1739 - Consistency between information for determining train motion state</div></div></div><div><div></div><div></div></div></div></div></div>	<div><div><div><div><div><div></div><div>SPMS-2937 - Has acceleration vector in relation to rolling stock coordinates</div></div></div><div><div></div><div></div></div></div></div></div> <div><div><div><div><div><div></div><div>SPMS-2944 - Aggregate movable objects information</div></div></div><div><div></div><div></div></div></div></div></div> <div><div><div><div><div><div></div><div>SPMS-2944 - Aggregate movable objects information</div></div></div><div><div></div><div></div></div></div></div></div>		
		<div><div><div><div><div></div><div>SPMS-2946 - Paused Handover train to neighbouring Traffic CS</div></div></div></div></div>	No output exchanges found			
		<div><div><div><div><div></div><div>SPMS-2947 - Toggle train cab</div></div></div></div></div>	No output exchanges found			











<div><div><div>SF</div></div>SPMS-2949 - Has position and direction in relation to track coordinates</div>	<div><div><div>📍</div></div>SPMS-3007 - Actual present position and direction in track coordinates</div>	<div><div><div>⚠️</div></div>SPRM-1179 - (N/A) Early position and direction from Rolling Stock Reference Point</div>	No hazard items found	No constraint items found	
		<div><div><div>⚠️</div></div>SPRM-1180 - Incorrect position and direction from Rolling Stock Reference Point</div>	<div><div><div>⚡</div></div>SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure</div> <div><div><div>⚡</div></div>SPRM-278 - [B.2.0.1] Wrong side signalling (on-board) failure</div>	<div><div>{C}</div>SPRM-1738 - Integrity of provided information for determining train motion state</div>	<div><div><div>SF</div></div>SPMS-2937 - Has acceleration vector in relation to rolling stock coordinates</div>
				<div><div>{C}</div>SPRM-1736 - Integrity of received information for determining train motion state</div>	<div><div><div>SF</div></div>SPMS-2944 - Aggregate movable objects information</div>
		<div><div><div>⚠️</div></div>SPRM-1181 - Late position and direction from Rolling Stock Reference Point</div>	<div><div><div>⚡</div></div>SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure</div>	<div><div>{C}</div>SPRM-1738 - Integrity of provided information for determining train motion state</div>	<div><div><div>SF</div></div>SPMS-2937 - Has acceleration vector in relation to rolling stock coordinates</div>
				<div><div>{C}</div>SPRM-1736 - Integrity of received information for determining train motion state</div>	<div><div><div>SF</div></div>SPMS-2944 - Aggregate movable objects information</div>
		<div><div><div>⚠️</div></div>SPRM-1437 - Late position and direction from Rolling Stock Reference Point</div>	<div><div><div>⚡</div></div>SPRM-516 - No safety hazard</div>	No constraint items found	
<div><div><div>SF</div></div>SPMS-2950 - To be removed part of clean up Observe execution state of one operational plan movement</div>	No output exchanges found				
<div><div><div>SF</div></div>SPMS-2951 - Has velocity in relation to track coordinates</div>	<div><div><div>📍</div></div>SPMS-3013 - Actual velocity</div>	<div><div><div>⚠️</div></div>SPRM-1182 - (N/A) Early train speed from Rolling Stock Reference Point</div>	No hazard items found	No constraint items found	
		<div><div><div>⚠️</div></div>SPRM-1183 - Incorrect train speed from Rolling Stock Reference Point</div>	<div><div><div>⚡</div></div>SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure</div> <div><div><div>⚡</div></div>SPRM-389 - KERNEL-9</div> <div><div><div>⚡</div></div>SPRM-278 - [B.2.0.1] Wrong side signalling (on-board) failure</div>	<div><div>{C}</div>SPRM-1738 - Integrity of provided information for determining train motion state</div>	<div><div><div>SF</div></div>SPMS-2937 - Has acceleration vector in relation to rolling stock coordinates</div>
				<div><div>{C}</div>SPRM-1736 - Integrity of received information for determining train motion state</div>	<div><div><div>SF</div></div>SPMS-2944 - Aggregate movable objects information</div>
		<div><div><div>⚠️</div></div>SPRM-1184 - Late train speed from Rolling Stock Reference Point</div>	<div><div><div>⚡</div></div>SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure</div> <div><div><div>⚡</div></div>SPRM-389 - KERNEL-9</div> <div><div><div>⚡</div></div>SPRM-278 - [B.2.0.1] Wrong side signalling (on-board) failure</div>	<div><div>{C}</div>SPRM-1738 - Integrity of provided information for determining train motion state</div>	<div><div><div>SF</div></div>SPMS-2937 - Has acceleration vector in relation to rolling stock coordinates</div>
				<div><div>{C}</div>SPRM-1736 - Integrity of received information for determining train motion state</div>	<div><div><div>SF</div></div>SPMS-2944 - Aggregate movable objects information</div>



<div><div>SF</div><div>SPMS-3873 - To be removed not part of MVP</div><div>Confirm track path</div></div>	No output exchanges found			
<div><div>SF</div><div>SPMS-4400 - To be removed not part of MVP</div><div>Activate+Deactivate warning area</div></div>	No output exchanges found			
<div><div>SF</div><div>SPMS-4401 - To be delted not part of MVP?Actuate field force warning</div></div>	No output exchanges found			
<div><div>SF</div><div>SPMS-4502 - Monitor+Evaluate system asset state</div></div>	<div><div>EV</div><div>SPMS-4507 - Evaluated system asset state</div></div>	<div><div>Warning</div><div>SPRM-1596 - Output of TCCS</div><div>Diagnostics to Asset Management System: system asset state evaluation sent too early</div></div>	No hazard items found	No constraint items found
		<div><div>Warning</div><div>SPRM-1597 - Output of TCCS</div><div>Diagnostics to Asset Management System: system asset state evaluation sent too late</div></div>	No hazard items found	No constraint items found
		<div><div>Warning</div><div>SPRM-1598 - Output of TCCS</div><div>Diagnostics to Asset Management System: wrong system asset state evaluation sent</div></div>	No hazard items found	No constraint items found
		<div><div>Warning</div><div>SPRM-1594 -</div></div>	No hazard items found	No constraint items found
<div><div>EV</div><div>SPMS-6556 - Evaluated system asset state</div></div>		<div><div>Warning</div><div>SPRM-1602 - Output of TCCS</div><div>Diagnostics to Signaller: system asset state evaluation sent too early</div></div>	No hazard items found	No constraint items found
		<div><div>Warning</div><div>SPRM-1603 - Output of TCCS</div><div>Diagnostics to Signaller: system asset state evaluation sent too late</div></div>	No hazard items found	No constraint items found
		<div><div>Warning</div><div>SPRM-1604 - Output of TCCS</div><div>Diagnostics to Signaller: wrong system asset state evaluation sent</div></div>	No hazard items found	No constraint items found
<div><div>EV</div><div>SPMS-6558 - Evaluated system asset state</div></div>		<div><div>Warning</div><div>SPRM-1608 - Output of TCCS</div><div>Diagnostics to Infrastructure Manager: system asset state evaluation sent too early</div></div>	No hazard items found	No constraint items found
		<div><div>Warning</div><div>SPRM-1609 - Output of TCCS</div><div>Diagnostics to Infrastructure Manager: system asset state evaluation sent too late</div></div>	No hazard items found	No constraint items found
		<div><div>Warning</div><div>SPRM-1610 - Output of TCCS</div><div>Diagnostics to Infrastructure Manager: wrong system asset state evaluation sent</div></div>	No hazard items found	No constraint items found
<div><div>EV</div><div>SPMS-6559 - Evaluated system asset state</div></div>		<div><div>Warning</div><div>SPRM-1611 - Output of TCCS</div><div>Diagnostics to Railway Undertaking: system asset state evaluation sent too early</div></div>	No hazard items found	No constraint items found

		 <a href="#">SPRM-1612 - Output of TCCS Diagnostics to Railway Undertaking: system asset state evaluation sent too late</a>	No hazard items found	No constraint items found		
		 <a href="#">SPRM-1613 - Output of TCCS Diagnostics to Railway Undertaking: wrong system asset state evaluation sent</a>	No hazard items found	No constraint items found		
	 <a href="#">SPMS-6560 - Evaluated system asset state</a>	 <a href="#">SPRM-1614 - Output of TCCS Diagnostics to Field Force (maintainer): system asset state evaluation sent too early</a>	No hazard items found	No constraint items found		
		 <a href="#">SPRM-1615 - Output of TCCS Diagnostics to Field Force (maintainer): system asset state evaluation sent too late</a>	No hazard items found	No constraint items found		
		 <a href="#">SPRM-1616 - Output of TCCS Diagnostics to Field Force (maintainer): wrong system asset state evaluation sent</a>	No hazard items found	No constraint items found		
	 <a href="#">SPMS-4503 - Plan maintenance tasks+Manage asset</a>	 <a href="#">SPMS-6555 - Logistic data</a>	 <a href="#">SPRM-1619 - Input from Asset Management System to TCCS Diagnostics: logistic data received too early</a>	No hazard items found	No constraint items found	
 <a href="#">SPRM-1657 - Input from Asset Management System to TCCS Diagnostics: logistic data received too late</a>			No hazard items found	No constraint items found		
 <a href="#">SPRM-1658 - Input from Asset Management System to TCCS Diagnostics: wrong logistic data received</a>			No hazard items found	No constraint items found		
 <a href="#">SPMS-4504 - Carry out maintenance tasks</a>	No output exchanges found					
 <a href="#">SPMS-4505 - To be removed not part of MVP Control execution of field force warnings</a>	No output exchanges found					
 <a href="#">SPMS-4559 - Implement specific doors state</a>	 <a href="#">SPMS-4562 - Observed state of doors</a>	No risk items found				
	 <a href="#">SPMS-6525 - Observed state of doors</a>	No risk items found				
 <a href="#">SPMS-4560 - Supervise passenger exchange</a>	No output exchanges found					
 <a href="#">SPMS-5265 - Control target state of one point</a>	 <a href="#">SPMS-3227 - Required point position</a>	 <a href="#">SPRM-1069 - Early required point position to Trackside Assets CS</a>	•  <a href="#">SPRM-299 - Undue movement of a point while train is approaching</a>		{c} <a href="#">SPRM-1775 - Point is reserved for one movement permission</a>	•  <a href="#">SPMS-5265 - Control target state of one point</a>
			•  <a href="#">SPRM-1726 - [XYZ] Undue movement of a point</a>			





















				{c} SPRM-1699 - Point is free of occupancy	<ul style="list-style-type: none"><li>5F SPMS-5265 - Control target state of one point</li></ul>
	⚠️ SPRM-1071 - Incorrect required point position to Trackside Assets CS	<ul style="list-style-type: none"><li>⚡ SPRM-312 - [B.3.0] Other failures of the infrastructure</li></ul>		{c} SPRM-1729 - Point position is equal to required point position	<ul style="list-style-type: none"><li>5F SPMS-2851 - Determine required position of one point machine</li></ul>
	⚠️ SPRM-1734 - Late required point position to Trackside Assets CS (2/2)	<ul style="list-style-type: none"><li>⚡ SPRM-312 - [B.3.0] Other failures of the infrastructure</li></ul>		{c} SPRM-1729 - Point position is equal to required point position	<ul style="list-style-type: none"><li>5F SPMS-2851 - Determine required position of one point machine</li></ul>
	⚠️ SPRM-1070 - Late required point position to Trackside Assets CS (1/2)	<ul style="list-style-type: none"><li>⚡ SPRM-299 - Undue movement of a point while train is approaching</li><li>⚡ SPRM-1726 - [XYZ] Undue movement of a point</li></ul>		{c} SPRM-1775 - Point is reserved for one movement permission	<ul style="list-style-type: none"><li>5F SPMS-5265 - Control target state of one point</li></ul>
				{c} SPRM-1730 - Point position command is sent after performing the safety checks	<ul style="list-style-type: none"><li>5F SPMS-5265 - Control target state of one point</li></ul>
				{c} SPRM-1699 - Point is free of occupancy	<ul style="list-style-type: none"><li>5F SPMS-5265 - Control target state of one point</li></ul>
				{c} SPRM-2281 - Point position command is executed within a defined time	<ul style="list-style-type: none"><li>5F SPMS-2851 - Determine required position of one point machine</li></ul>
5F SPMS-5266 - Paused Observe level crossing status	No output exchanges found				
5F SPMS-5267 - Paused Control target state level crossing protection	No output exchanges found				
5F SPMS-5332 - Generate train-specific timetable information	🔄 SPMS-3182 - Generated train-specific timetable and infrastructure information	No risk items found			
	🔄 SPMS-3067 - Generated train-specific timetable information	⚠️ SPRM-1382 - Early specific timetable information to Train CS	<ul style="list-style-type: none"><li>⚡ SPRM-516 - No safety hazard</li></ul>	No constraint items found	
		⚠️ SPRM-1383 - Late specific timetable information to Train CS	<ul style="list-style-type: none"><li>⚡ SPRM-516 - No safety hazard</li></ul>	No constraint items found	
		⚠️ SPRM-1384 - Incorrect specific timetable information to Train CS	<ul style="list-style-type: none"><li>⚡ SPRM-516 - No safety hazard</li></ul>	No constraint items found	

5F SPMS-5395 - Provide+sign configuration data	 SPMS-4549 - Generated train-specific timetable information	No risk items found		
	 SPMS-6907 - Configuration data	 SPRM-1670 - Input from Data Preparation to TCCS Configuration: signed configuration data received too early	No hazard items found	No constraint items found
		 SPRM-1671 - Input from Data Preparation to TCCS Configuration: signed configuration data received too late	No hazard items found	No constraint items found
		 SPRM-1672 - Input from Data Preparation to TCCS Configuration: wrong signed configuration data received	<ul style="list-style-type: none"><li> SPRM-109 - [B.1.1] Failure to operate the infrastructure</li><li> SPRM-116 - [B.1.2] Failure to operate a train or rail vehicle</li><li> SPRM-130 - [B.1.0] Other un-coded operation failure</li><li> SPRM-274 - [B.2.2] Failure of the braking system</li><li> SPRM-277 - [B.2.0] Other failures of the rolling stock</li><li> SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure</li><li> SPRM-298 - [B.3.1.4] Point and crossing failure</li><li> SPRM-300 - [B.3.1.5] Failure of the level crossing equipment</li><li> SPRM-301 - [B.3.1.0] Other failure of the track</li><li> SPRM-314 - [B.3.0.2] Train detection equipment failure (trackside)</li><li> SPRM-278 - [B.2.0.1] Wrong side signalling (on-board) failure</li></ul>	No constraint items found
5F SPMS-5396 - Prepare vehicle data	No output exchanges found			
5F SPMS-5399 - Provide planned activation time	 SPMS-5411 - Planned activation time	 SPRM-1661 - Input from Traffic Management System to TCCS Configuration: configuration data activation plan received too early	No hazard items found	No constraint items found
		 SPRM-1662 - Input from Traffic Management System to TCCS	No hazard items found	No constraint items found






		Configuration: configuration data activation plan received too late		
		 SPRM-1663 - Input from Traffic Management System to TCCS Configuration: wrong configuration data activation plan received	No hazard items found	No constraint items found
 SPMS-5400 - Prepare+Supervise distribution of the configuration data	 SPMS-5413 - Required state of configuration data	 SPRM-1656 - Input from Configuration Manager to TCCS Configuration: configuration data state received too early	No hazard items found	No constraint items found
		 SPRM-1659 - Input from Configuration Manager to TCCS Configuration: configuration data state received too late	No hazard items found	No constraint items found
		 SPRM-1660 - Input from Configuration Manager to TCCS Configuration: wrong configuration data state received	<ul style="list-style-type: none"><li> SPRM-109 - [B.1.1] Failure to operate the infrastructure</li><li> SPRM-116 - [B.1.2] Failure to operate a train or rail vehicle</li><li> SPRM-130 - [B.1.0] Other un-coded operation failure</li><li> SPRM-274 - [B.2.2] Failure of the braking system</li><li> SPRM-277 - [B.2.0] Other failures of the rolling stock</li><li> SPRM-278 - [B.2.0.1] Wrong side signalling (on-board) failure</li><li> SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure</li><li> SPRM-298 - [B.3.1.4] Point and crossing failure</li><li> SPRM-300 - [B.3.1.5] Failure of the level crossing equipment</li><li> SPRM-301 - [B.3.1.0] Other failure of the track</li><li> SPRM-314 - [B.3.0.2] Train detection equipment failure (trackside)</li></ul>	No constraint items found
 SPMS-6269 - Provide current time	 SPMS-4506 - Provided current time	 SPRM-1617 - Input to TCCS Diagnostics: Time reference received too early	No hazard items found	No constraint items found
		 SPRM-1624 - Input to TCCS Diagnostics: Time reference received too late	No hazard items found	No constraint items found



















		⚠️ <a href="#">SPRM-1625 - Input to TCCS Diagnostics: wrong Time reference received</a>	No hazard items found	No constraint items found
🔧 <a href="#">SPMS-5412 - Provided current time</a>		⚠️ <a href="#">SPRM-1653 - Input to TCCS Configuration: Time Reference sent too early</a>	No hazard items found	No constraint items found
		⚠️ <a href="#">SPRM-1654 - Input to TCCS Configuration: Time Reference sent too late</a>	No hazard items found	No constraint items found
		⚠️ <a href="#">SPRM-1655 - Input to TCCS Configuration: wrong Time Reference received</a>	No hazard items found	No constraint items found
		⚠️ <a href="#">SPRM-1573 -</a>	No hazard items found	No constraint items found
		⚠️ <a href="#">SPRM-1577 -</a>	No hazard items found	No constraint items found
		⚠️ <a href="#">SPRM-1578 -</a>	No hazard items found	No constraint items found
🔧 <a href="#">SPMS-6271 - Provide current time</a>		⚠️ <a href="#">SPRM-1650 - Input to TCCS time synchronisation: Time Reference sent too early</a>	No hazard items found	No constraint items found
		⚠️ <a href="#">SPRM-1651 - Input to TCCS time synchronisation: Time Reference sent too late</a>	No hazard items found	No constraint items found
		⚠️ <a href="#">SPRM-1652 - Input to TCCS time synchronisation: wrong Time Reference received</a>	No hazard items found	No constraint items found
🔍 <a href="#">SPMS-6529 - Analyse Infrastructure Manager system asset state</a>	No output exchanges found			
🔍 <a href="#">SPMS-6530 - Analyse Railway Undertaking system asset state</a>	No output exchanges found			
🔍 <a href="#">SPMS-6531 - Assess system asset state impact</a>	No output exchanges found			
🔍 <a href="#">SPMS-6532 - Monitor system asset state information</a>	No output exchanges found			
🔍 <a href="#">SPMS-6533 - Monitor+Store Trackside Assets CS System asset state</a>	🔧 <a href="#">SPMS-6561 - Monitoring and diagnostic data</a>	⚠️ <a href="#">SPRM-1620 - Input from Trackside Assets CS System to TCCS Diagnostics: monitoring and diagnostic data received too early</a>	No hazard items found	No constraint items found
		⚠️ <a href="#">SPRM-1626 - Input from Trackside Assets CS System to TCCS Diagnostics: monitoring and diagnostic data received too late</a>	No hazard items found	No constraint items found

		 <a href="#">SPRM-1627 - Input from Trackside Assets CS System to TCCS Diagnostics: wrong monitoring and diagnostic data received</a>	No hazard items found	No constraint items found
 <a href="#">SPMS-6534 - Maintain Trackside Assets CS System configuration data</a>	 <a href="#">SPMS-6609 - Activated state of configuration data</a>	 <a href="#">SPRM-1979 - Input from Trackside Assets CS System to TCCS Configuration: system state observation received too early</a>	No hazard items found	No constraint items found
		 <a href="#">SPRM-2009 - Input from Trackside Assets CS System to TCCS Configuration: system state observation received too late</a>	No hazard items found	No constraint items found
		 <a href="#">SPRM-2010 - Input from Trackside Assets CS System to TCCS Configuration: wrong system state observation received</a>	<ul style="list-style-type: none"><li> <a href="#">SPRM-109 - [B.1.1] Failure to operate the infrastructure</a></li><li> <a href="#">SPRM-116 - [B.1.2] Failure to operate a train or rail vehicle</a></li><li> <a href="#">SPRM-130 - [B.1.0] Other uncoded operation failure</a></li><li> <a href="#">SPRM-274 - [B.2.2] Failure of the braking system</a></li><li> <a href="#">SPRM-277 - [B.2.0] Other failures of the rolling stock</a></li><li> <a href="#">SPRM-278 - [B.2.0.1] Wrong side signalling (on-board) failure</a></li><li> <a href="#">SPRM-297 - [B.3.1.3] Wrong side signalling (infrastructure) failure</a></li><li> <a href="#">SPRM-298 - [B.3.1.4] Point and crossing failure</a></li><li> <a href="#">SPRM-300 - [B.3.1.5] Failure of the level crossing equipment</a></li><li> <a href="#">SPRM-301 - [B.3.1.0] Other failure of the track</a></li><li> <a href="#">SPRM-314 - [B.3.0.2] Train detection equipment failure (trackside)</a></li></ul>	No constraint items found
 <a href="#">SPMS-6883 - Check+Sign configuration data</a>	 <a href="#">SPMS-6906 - Configuration data</a>	 <a href="#">SPRM-1664 - Input from Integrator to TCCS Configuration: checked and signed configuration data received too early</a>	No hazard items found	No constraint items found
		 <a href="#">SPRM-1665 - Input from Integrator to TCCS Configuration: checked and signed configuration data received too late</a>	No hazard items found	No constraint items found








<div> <b>SPRM-1666</b> - <a href="#">Input from Integrator to TCCS Configuration: wrong checked and signed configuration data received</a></div>	<div><ul style="list-style-type: none"><li> <b>SPRM-109</b> - <a href="#">[B.1.1] Failure to operate the infrastructure</a></li><li> <b>SPRM-116</b> - <a href="#">[B.1.2] Failure to operate a train or rail vehicle</a></li><li> <b>SPRM-130</b> - <a href="#">[B.1.0] Other uncoded operation failure</a></li><li> <b>SPRM-274</b> - <a href="#">[B.2.2] Failure of the braking system</a></li><li> <b>SPRM-277</b> - <a href="#">[B.2.0] Other failures of the rolling stock</a></li><li> <b>SPRM-297</b> - <a href="#">[B.3.1.3] Wrong side signalling (infrastructure) failure</a></li><li> <b>SPRM-300</b> - <a href="#">[B.3.1.5] Failure of the level crossing equipment</a></li><li> <b>SPRM-301</b> - <a href="#">[B.3.1.0] Other failure of the track</a></li><li> <b>SPRM-314</b> - <a href="#">[B.3.0.2] Train detection equipment failure (trackside)</a></li><li> <b>SPRM-278</b> - <a href="#">[B.2.0.1] Wrong side signalling (on-board) failure</a></li></ul></div>	No constraint items found
<div> <b>SPRM-1676</b> - <a href="#">Input from Integrator to TCCS Configuration: configuration data received too early</a></div>	No hazard items found	No constraint items found
<div> <b>SPRM-1677</b> - <a href="#">Input from Integrator to TCCS Configuration: configuration data received too late</a></div>	No hazard items found	No constraint items found
<div> <b>SPRM-1678</b> - <a href="#">Input from Integrator to TCCS Configuration: wrong configuration data received</a></div>	<div><ul style="list-style-type: none"><li> <b>SPRM-109</b> - <a href="#">[B.1.1] Failure to operate the infrastructure</a></li><li> <b>SPRM-116</b> - <a href="#">[B.1.2] Failure to operate a train or rail vehicle</a></li><li> <b>SPRM-130</b> - <a href="#">[B.1.0] Other uncoded operation failure</a></li><li> <b>SPRM-274</b> - <a href="#">[B.2.2] Failure of the braking system</a></li><li> <b>SPRM-277</b> - <a href="#">[B.2.0] Other failures of the rolling stock</a></li><li> <b>SPRM-297</b> - <a href="#">[B.3.1.3] Wrong side signalling (infrastructure) failure</a></li></ul></div>	No constraint items found
















-  [SPRM-298 - \[B.3.1.4\] Point and crossing failure](#)
-  [SPRM-300 - \[B.3.1.5\] Failure of the level crossing equipment](#)
-  [SPRM-301 - \[B.3.1.0\] Other failure of the track](#)
-  [SPRM-314 - \[B.3.0.2\] Train detection equipment failure \(trackside\)](#)
-  [SPRM-278 - \[B.2.0.1\] Wrong side signalling \(on-board\) failure](#)

		 <a href="#">SPRM-1567 -</a>	No hazard items found	No constraint items found
		 <a href="#">SPRM-1572 -</a>	No hazard items found	No constraint items found
		 <a href="#">SPRM-1571 -</a>	No hazard items found	No constraint items found
 <a href="#">SPMS-6884 - Monitor+Store Train CS System asset state</a>	 <a href="#">SPMS-6909 - Monitoring and diagnostic data</a>	 <a href="#">SPRM-1621 - Input from Train CS System to TCCS Diagnostics: monitoring and diagnostic data received too early</a>	No hazard items found	No constraint items found
		 <a href="#">SPRM-1628 - Input from Train CS System to TCCS Diagnostics: monitoring and diagnostic data received too late</a>	No hazard items found	No constraint items found
		 <a href="#">SPRM-1629 - Input from Train CS System to TCCS Diagnostics: wrong monitoring and diagnostic data received</a>	No hazard items found	No constraint items found
 <a href="#">SPMS-6885 - Provide configuration data</a>	 <a href="#">SPMS-6905 - Configuration data</a>	 <a href="#">SPRM-1568 -</a>	No hazard items found	No constraint items found
		 <a href="#">SPRM-1569 -</a>	No hazard items found	No constraint items found
		 <a href="#">SPRM-1570 -</a>	No hazard items found	No constraint items found
 <a href="#">SPMS-6886 - Provide planned activation time for vehicle</a>	 <a href="#">SPMS-6910 - Planned activation time</a>	 <a href="#">SPRM-1679 - Input from Railway Undertaking IT System to TCCS Configuration: configuration data activation plan received too early</a>	No hazard items found	No constraint items found
		 <a href="#">SPRM-1680 - Input from Railway Undertaking IT System to TCCS Configuration: configuration data activation plan received too late</a>	No hazard items found	No constraint items found
		 <a href="#">SPRM-1681 - Input from Railway Undertaking IT System to TCCS Configuration: wrong configuration data activation plan received</a>	No hazard items found	No constraint items found

 SPMS-6887 - <a href="#">Provide+Sign configuration data</a>	 SPMS-6904 - <a href="#">Configuration data</a>	 SPRM-600 -	No hazard items found	No constraint items found
		 SPRM-601 -	No hazard items found	No constraint items found
		 SPRM-602 -	No hazard items found	No constraint items found
 SPMS-6931 - <a href="#">Switch train power</a>	No output exchanges found			
 SPMS-6932 - <a href="#">Control power of one train</a>	 SPMS-6974 - <a href="#">Main power status</a>	No risk items found		
 SPMS-6933 - <a href="#">Control voice communication for one train</a>	 SPMS-6957 - <a href="#">Exchanged information</a>	No risk items found		
	 SPMS-6975 - <a href="#">Indicated functional number</a>	No risk items found		
 SPMS-6934 - <a href="#">Control radio system of one train</a>	No output exchanges found			
 SPMS-6935 - <a href="#">Control registration of functional number</a>	 SPMS-6942 - <a href="#">Provided functional number</a>	No risk items found		
 SPMS-6952 - <a href="#">Use system voice communication</a>	 SPMS-6958 - <a href="#">Exchanged information</a>	No risk items found		
 SPMS-6953 - <a href="#">Use system voice communication</a>	No output exchanges found			
 SPMS-6971 - <a href="#">Determine proximity of station platform</a>	 SPMS-6973 - <a href="#">Determined distance to the next station platform and properties</a>	No risk items found		
 SPMS-7115 - <a href="#">Acknowledge train data</a>	 SPMS-7121 - <a href="#">Acknowledged train data</a>	No risk items found		
 SPMS-7248 - <a href="#">Maintain Train CS System configuration data</a>	 SPMS-7251 - <a href="#">Activated state of configuration data</a>	 SPRM-2011 - <a href="#">Input from TrainCS System to TCCS Configuration: system state observation received too early</a>	No hazard items found	No constraint items found
		 SPRM-2012 - <a href="#">Input from TrainCS System to TCCS Configuration: system state observation received too late</a>	No hazard items found	No constraint items found
		 SPRM-2013 - <a href="#">Input from TrainCS System to TCCS Configuration: wrong system state observation received</a>	<ul style="list-style-type: none"><li> SPRM-109 - <a href="#">[B.1.1] Failure to operate the infrastructure</a></li><li> SPRM-116 - <a href="#">[B.1.2] Failure to operate a train or rail vehicle</a></li><li> SPRM-130 - <a href="#">[B.1.0] Other uncoded operation failure</a></li><li> SPRM-274 - <a href="#">[B.2.2] Failure of the braking system</a></li></ul>	No constraint items found

-  [SPRM-277 - \[B.2.0\] Other failures of the rolling stock](#)
-  [SPRM-278 - \[B.2.0.1\] Wrong side signalling \(on-board\) failure](#)
-  [SPRM-297 - \[B.3.1.3\] Wrong side signalling \(infrastructure\) failure](#)
-  [SPRM-298 - \[B.3.1.4\] Point and crossing failure](#)
-  [SPRM-300 - \[B.3.1.5\] Failure of the level crossing equipment](#)
-  [SPRM-301 - \[B.3.1.0\] Other failure of the track](#)
-  [SPRM-314 - \[B.3.0.2\] Train detection equipment failure \(trackside\)](#)

 <a href="#">SPMS-7319 - Carry out maintenance tasks</a>	No output exchanges found
 <a href="#">SPT2TRAIN-5597 - Provide Automatic Train Protection and cab signalling</a>	No output exchanges found
 <a href="#">SPT2TRAIN-5598 - Provide Automatic Driving up to GoA2 over ETCS</a>	No output exchanges found
 <a href="#">SPT2TRAIN-5599 - Communicate with the CCS Trackside Subsystem</a>	No output exchanges found
 <a href="#">SPT2TRAIN-5600 - Communicate with the driver</a>	No output exchanges found
 <a href="#">SPT2TRAIN-5601 - Communicate with the STM</a>	No output exchanges found
 <a href="#">SPT2TRAIN-6106 - Monitor health equipment and provide degraded mode support</a>	No output exchanges found
 <a href="#">SPT2TRAIN-6107 - Support data recording for regulatory purposes</a>	No output exchanges found
 <a href="#">SPT2TRAIN-6108 - Forward information/orders and receiving state information from rolling stock</a>	No output exchanges found
 <a href="#">SPT2TRAIN-6109 - Support Shared-services</a>	No output exchanges found
 <a href="#">SPT2TRAIN-6110 - Locate the train in a 3D coordinate system</a>	No output exchanges found
 <a href="#">SPT2TRAIN-6371 - Set the train characteristics (e.g. maximum train speed, braking performance)</a>	No output exchanges found
	No output exchanges found


 SPT2TRAIN-6372 - Select the supervision mode on the basis of information from trackside


 SPT2TRAIN-6373 - Perform odometry functions No output exchanges found


 SPT2TRAIN-6374 - Provide safe train speed No output exchanges found


 SPT2TRAIN-6375 - Provide safe train acceleration No output exchanges found


 SPT2TRAIN-6376 - Provide odometry information No output exchanges found

 SPT2TRAIN-6377 - Locate the train in a coordinate system based on Eurobalise locations No output exchanges found


 SPT2TRAIN-6378 - Calculate the dynamic speed profile for its mission on the basis of train characteristics and of info from trackside No output exchanges found

 SPT2TRAIN-6379 - Supervise the dynamic speed during the mission No output exchanges found

 SPT2TRAIN-6380 - Provide the intervention function No output exchanges found

 SPT2TRAIN-6381 - Manage information of completeness of the train (Train integrity and safe consist length information) No output exchanges found

 SPT2TRAIN-6382 - Manage information about Cold movement detection No output exchanges found

 SPT2TRAIN-6383 - Provide the driving function No output exchanges found

 SPT2TRAIN-6384 - Manage Timing Points No output exchanges found

 SPT2TRAIN-6385 - Add/skip stopping point No output exchanges found

 SPT2TRAIN-6386 - Hold train at a stopping point No output exchanges found


 SPT2TRAIN-6387 - Manage low adhesion No output exchanges found


 SPT2TRAIN-6388 - Manage time No output exchanges found






















 SPT2TRAIN-6389 - Manage reporting No output exchanges found

 SPT2TRAIN-6390 - Manage data consistency No output exchanges found

 SPT2TRAIN-6391 - Manage ATO system version No output exchanges found

 SPT2TRAIN-6392 - Determine ATO-OB train position No output exchanges found

 SPT2TRAIN-6393 - Perform Driving Advisory System functions No output exchanges found

 SPT2TRAIN-6394 - <a href="#">Perform ATO-OB self-test</a>	No output exchanges found
 SPT2TRAIN-6395 - <a href="#">ATO-OB Data acquisition</a>	No output exchanges found
 SPT2TRAIN-6396 - <a href="#">Eurobalise data transmission</a>	No output exchanges found
 SPT2TRAIN-6397 - <a href="#">Euroloop data transmission</a>	No output exchanges found
 SPT2TRAIN-6398 - <a href="#">Radio data transmission for radio infill</a>	No output exchanges found
 SPT2TRAIN-6399 - <a href="#">Radio data transmission</a>	No output exchanges found
 SPT2TRAIN-6400 - <a href="#">KER balise data transmission</a>	No output exchanges found
 SPT2TRAIN-6401 - <a href="#">Key Management</a>	No output exchanges found
 SPT2TRAIN-6402 - <a href="#">Enter ETCS and ATO information into the on-board by the driver</a>	No output exchanges found
 SPT2TRAIN-6403 - <a href="#">Enter Railway Mobile Radio (RMR) information into the on-board by the driver</a>	No output exchanges found
 SPT2TRAIN-6404 - <a href="#">Provide ETCS information to the driver</a>	No output exchanges found
 SPT2TRAIN-6405 - <a href="#">Provide ATO information to the driver</a>	No output exchanges found
 SPT2TRAIN-6406 - <a href="#">Provide NTC information to the driver</a>	No output exchanges found
 SPT2TRAIN-6407 - <a href="#">Provide Railway Mobile Radio (RMR) information to the driver</a>	No output exchanges found
 SPT2TRAIN-6408 - <a href="#">Manage the STM output</a>	No output exchanges found
 SPT2TRAIN-6409 - <a href="#">Providing data to be used by the STM</a>	No output exchanges found
 SPT2TRAIN-6410 - <a href="#">Managing STM transitions</a>	No output exchanges found
 SPT2TRAIN-6411 - <a href="#">Initialise the on-board ETCS functionality</a>	No output exchanges found
 SPT2TRAIN-6412 - <a href="#">Provide degraded mode support</a>	No output exchanges found
 SPT2TRAIN-6413 - <a href="#">Isolate the on-board ETCS functionality</a>	No output exchanges found
 SPT2TRAIN-6414 - <a href="#">Record juridical data to the on-board recording device</a>	No output exchanges found

 SPT2TRAIN-6415 - <a href="#">Communication between ETCS and rolling stock</a>	No output exchanges found
 SPT2TRAIN-6416 - <a href="#">Communication between ATO and rolling stock</a>	No output exchanges found
 SPT2TRAIN-6417 - <a href="#">Online Monitoring Functions</a>	No output exchanges found
 SPT2TRAIN-6418 - <a href="#">Monitoring for ETCS</a>	No output exchanges found
 SPT2TRAIN-6419 - <a href="#">Monitoring for ATO</a>	No output exchanges found
 SPT2TRAIN-6420 - <a href="#">Security Services</a>	No output exchanges found
 SPT2TRAIN-6421 - <a href="#">Train Time and Location Service (TTLS)</a>	No output exchanges found
 SPT2TRAIN-6422 - <a href="#">Provide 3D position and uncertainty</a>	No output exchanges found
 SPT2TRAIN-6423 - <a href="#">Provide 3D velocity and uncertainty</a>	No output exchanges found
 SPT2TRAIN-6424 - <a href="#">Provide 3D acceleration and uncertainty</a>	No output exchanges found
 SPT2TRAIN-6425 - <a href="#">Provide 3D attitude and uncertainty</a>	No output exchanges found
 SPT2TRAIN-6426 - <a href="#">Provide virtual reference location information</a>	No output exchanges found

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